Appendix B. Plots of High SAR Measurement

The plots are shown as follows.

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2014/6/1

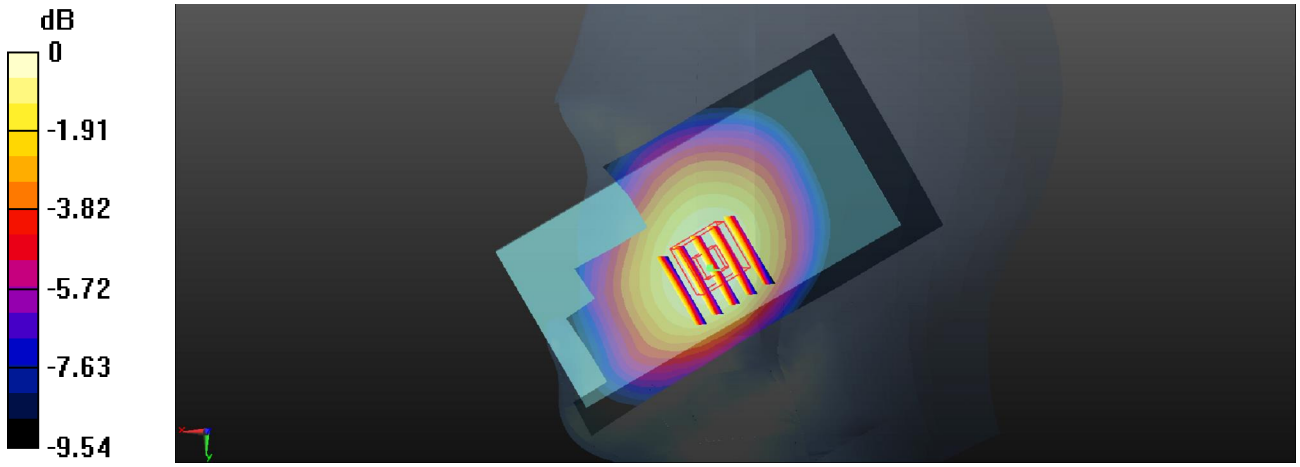
01 GSM850_GPRS(GMSK 2 Tx slots)_Right Cheek_Ch251

Communication System: GPRS (GMSK 2 Tx slot); Frequency: 848.8 MHz;Duty Cycle: 1:4.15
Medium: HSL_835_140601 Medium parameters used: f = 848.8 MHz; σ = 0.925 S/m; ε_r = 40.705; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(9.85, 9.85, 9.85); Calibrated: 2014/3/10;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1353; Calibrated: 2014/1/30
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch251/Area Scan (61x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.778 W/kg

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.145 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.839 W/kg
SAR(1 g) = 0.663 W/kg; SAR(10 g) = 0.504 W/kg
Maximum value of SAR (measured) = 0.760 W/kg



0 dB = 0.760 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2014/6/2

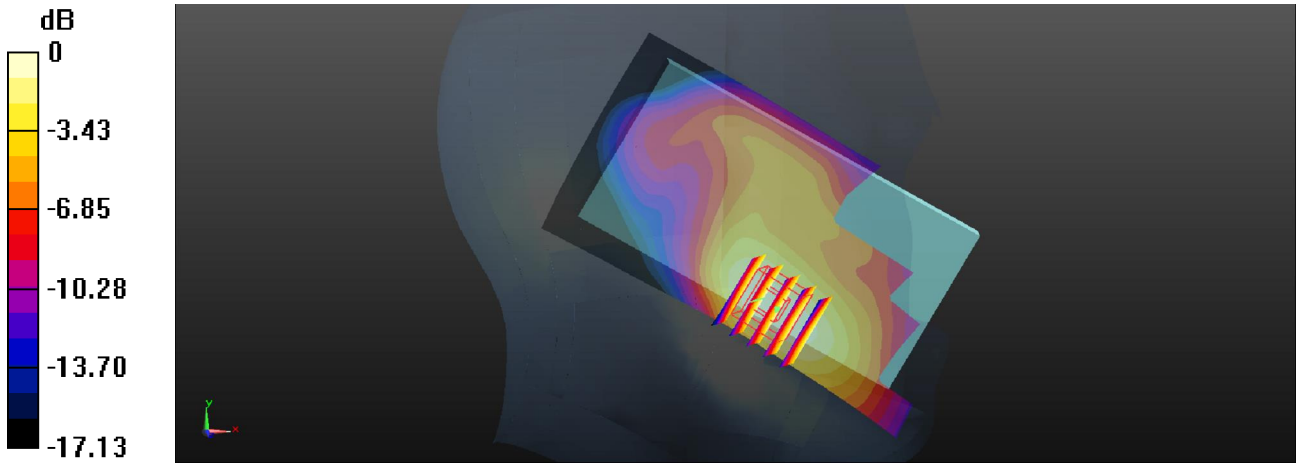
02 GSM1900_GPRS(GMSK 2 Tx slots)_Left Cheek_Ch512

Communication System: GPRS (GMSK 2 Tx slot); Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium: HSL_1900_140602 Medium parameters used: f = 1850.2 MHz; σ = 1.362 S/m; ε_r = 40.819; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(8.2, 8.2, 8.2); Calibrated: 2014/3/10;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1353; Calibrated: 2014/1/30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch512/Area Scan (61x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.401 W/kg

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.001 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.473 W/kg
SAR(1 g) = 0.310 W/kg; SAR(10 g) = 0.194 W/kg
Maximum value of SAR (measured) = 0.395 W/kg



0 dB = 0.395 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2014/6/1

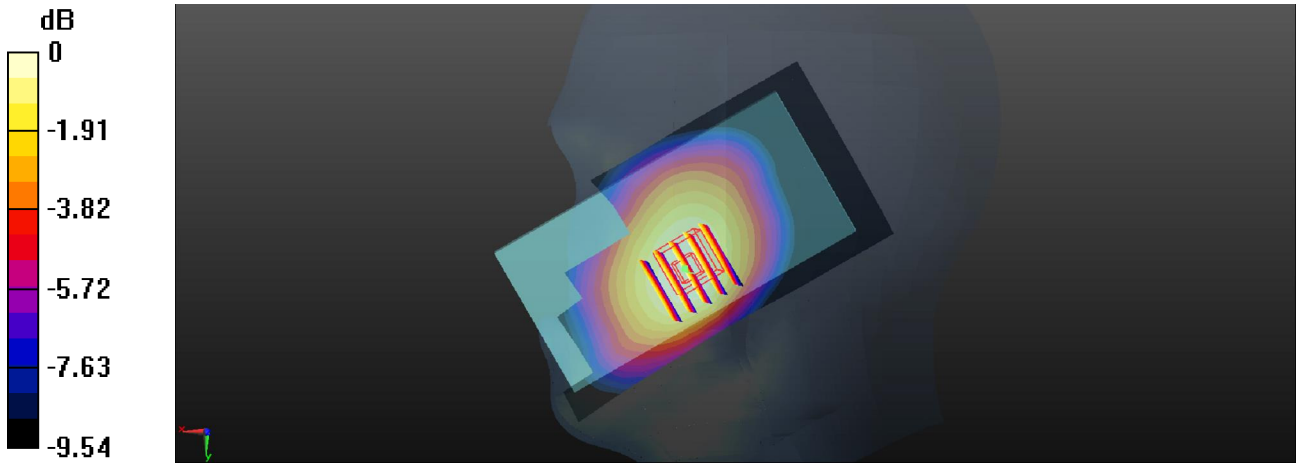
03 WCDMA Band V_RMC 12.2K_Right Cheek_Ch4182

Communication System: WCDMA ; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: HSL_835_140601 Medium parameters used: f = 836.4 MHz; σ = 0.914 S/m; ε_r = 40.842; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(9.85, 9.85, 9.85); Calibrated: 2014/3/10;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1353; Calibrated: 2014/1/30
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch4182/Area Scan (61x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.519 W/kg

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.484 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.566 W/kg
SAR(1 g) = 0.442 W/kg; SAR(10 g) = 0.336 W/kg
Maximum value of SAR (measured) = 0.510 W/kg



0 dB = 0.510 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2014/6/2

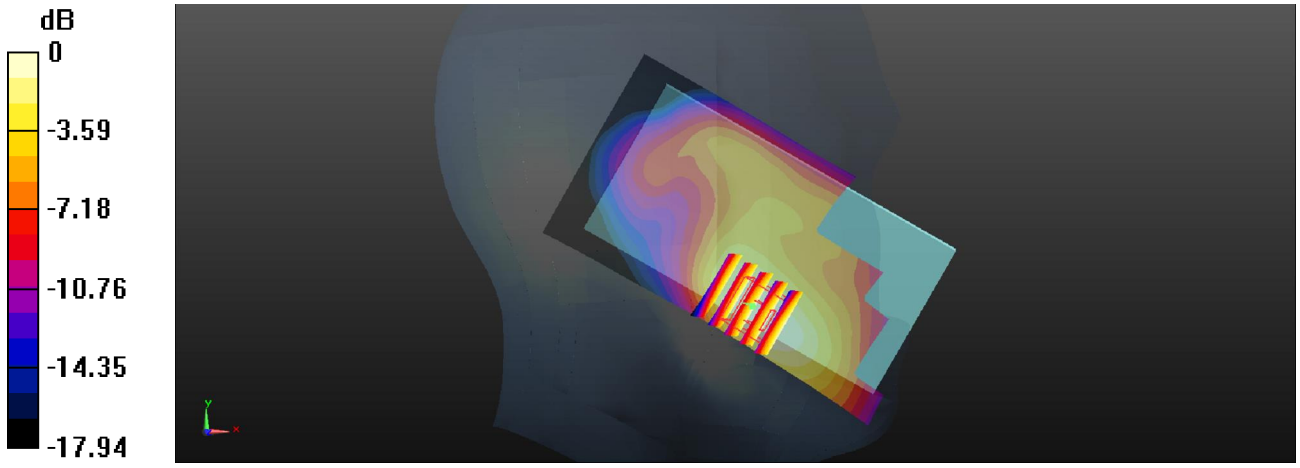
04 WCDMA Band II_RMC 12.2K_Left Cheek_Ch9262

Communication System: WCDMA ; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: HSL_1900_140602 Medium parameters used: f = 1852.4 MHz; σ = 1.364 S/m; ε_r = 40.803; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(8.2, 8.2, 8.2); Calibrated: 2014/3/10;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1353; Calibrated: 2014/1/30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch9262/Area Scan (61x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.449 W/kg

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.881 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.536 W/kg
SAR(1 g) = 0.351 W/kg; SAR(10 g) = 0.221 W/kg
Maximum value of SAR (measured) = 0.435 W/kg



0 dB = 0.435 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2014/6/3

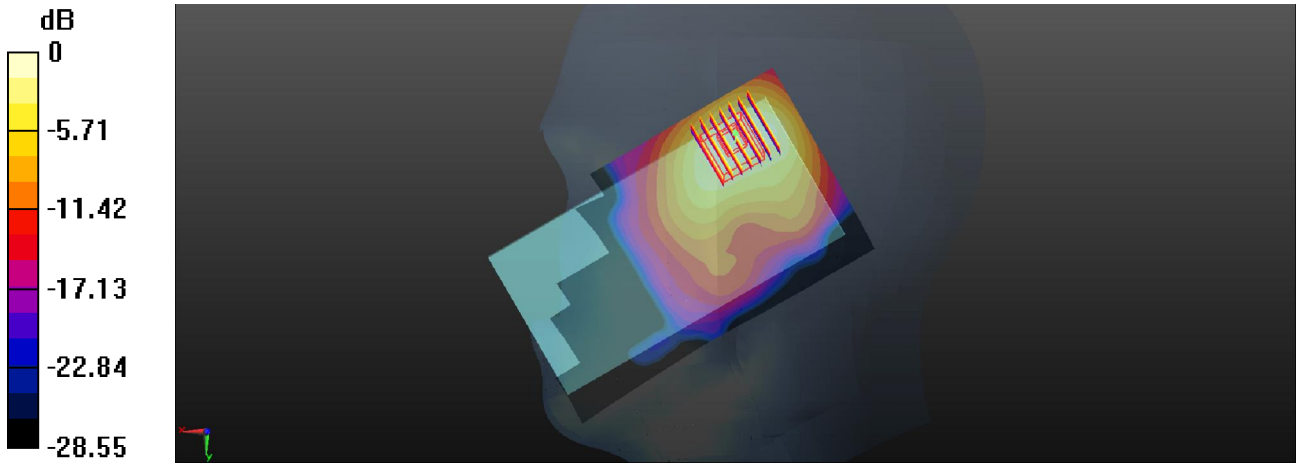
05 WLAN2.4GHz_802.11b_Right Cheek_Ch11

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1.021
Medium: HSL_2450_140603 Medium parameters used: f = 2462 MHz; σ = 1.824 S/m; ε_r = 37.585; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(7.55, 7.55, 7.55); Calibrated: 2014/3/10;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1353; Calibrated: 2014/1/30
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch11/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.360 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.935 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.535 W/kg
SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.132 W/kg
Maximum value of SAR (measured) = 0.399 W/kg



0 dB = 0.399 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2014/6/1

06 GSM850_GPRS(GMSK 2 Tx slots)_Back_1.0cm_Ch251

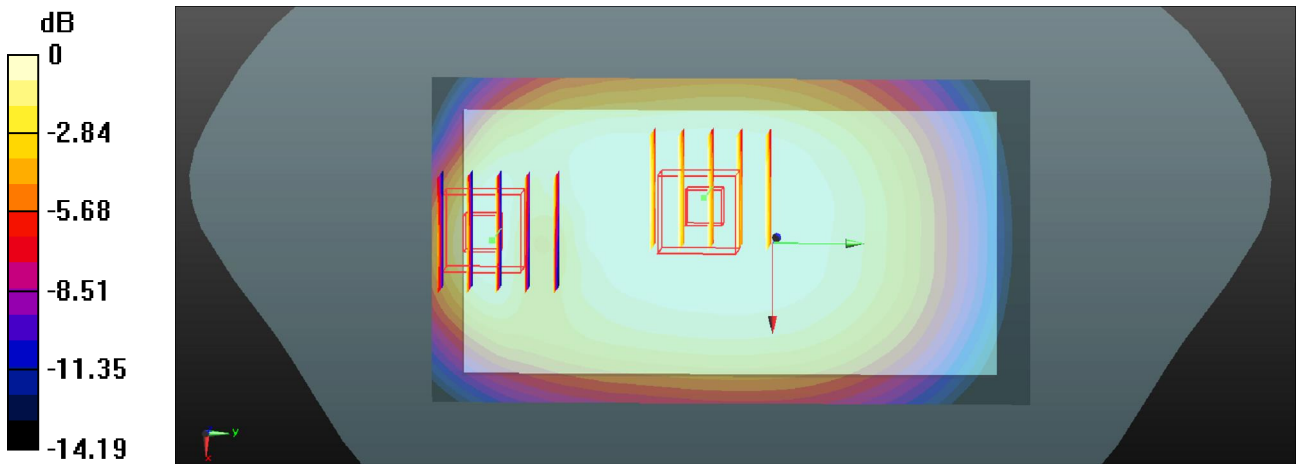
Communication System: GPRS (GMSK 2 Tx slot); Frequency: 848.8 MHz;Duty Cycle: 1:4.15
Medium: MSL_835_140601 Medium parameters used: f = 848.8 MHz; σ = 0.987 S/m; ε_r = 53.983; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(9.63, 9.63, 9.63); Calibrated: 2014/3/10;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1353; Calibrated: 2014/1/30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch251/Area Scan (61x111x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.16 W/kg

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.013 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.26 W/kg
SAR(1 g) = 1.010 W/kg; SAR(10 g) = 0.789 W/kg
Maximum value of SAR (measured) = 1.15 W/kg

Ch251/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 32.013 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.39 W/kg
SAR(1 g) = 0.811 W/kg; SAR(10 g) = 0.449 W/kg
Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2014/5/31

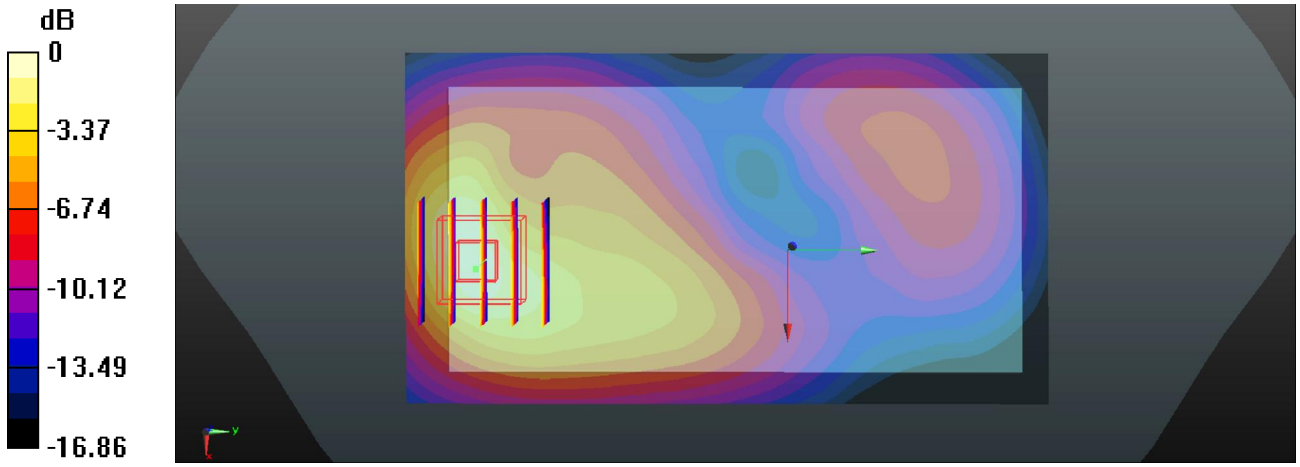
07 GSM1900_GPRS(GMSK 2 Tx slots)_Back_1.0cm_Ch512

Communication System: GPRS (GMSK 2 Tx slot); Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium: MSL_1900_140531 Medium parameters used: f = 1850.2 MHz; σ = 1.44 S/m; ε_r = 53.854; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(7.83, 7.83, 7.83); Calibrated: 2014/3/10;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1353; Calibrated: 2014/1/30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch512/Area Scan (61x111x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.20 W/kg

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.892 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.50 W/kg
SAR(1 g) = 0.930 W/kg; SAR(10 g) = 0.519 W/kg
Maximum value of SAR (measured) = 1.26 W/kg



0 dB = 1.26 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2014/6/1

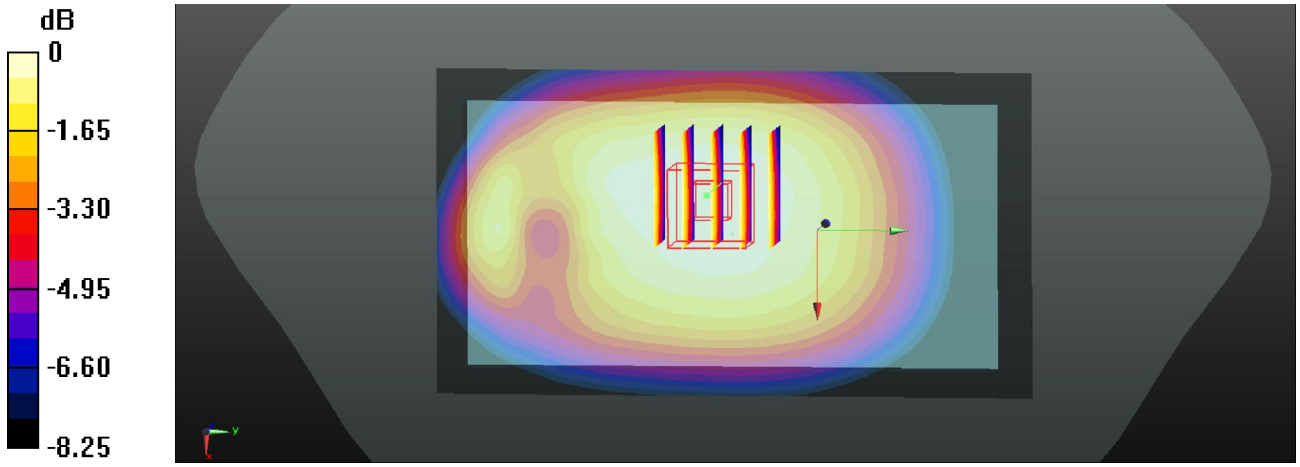
08 WCDMA Band V_RMC 12.2K_Back_1.0cm_Ch4182

Communication System: WCDMA ; Frequency: 836.4 MHz;Duty Cycle: 1:1
Medium: MSL_835_140601 Medium parameters used: f = 836.4 MHz; σ = 0.975 S/m; ε_r = 54.1; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(9.63, 9.63, 9.63); Calibrated: 2014/3/10;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1353; Calibrated: 2014/1/30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch4182/Area Scan (61x111x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.806 W/kg

Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.938 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.874 W/kg
SAR(1 g) = 0.700 W/kg; SAR(10 g) = 0.546 W/kg
Maximum value of SAR (measured) = 0.798 W/kg



0 dB = 0.798 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2014/5/31

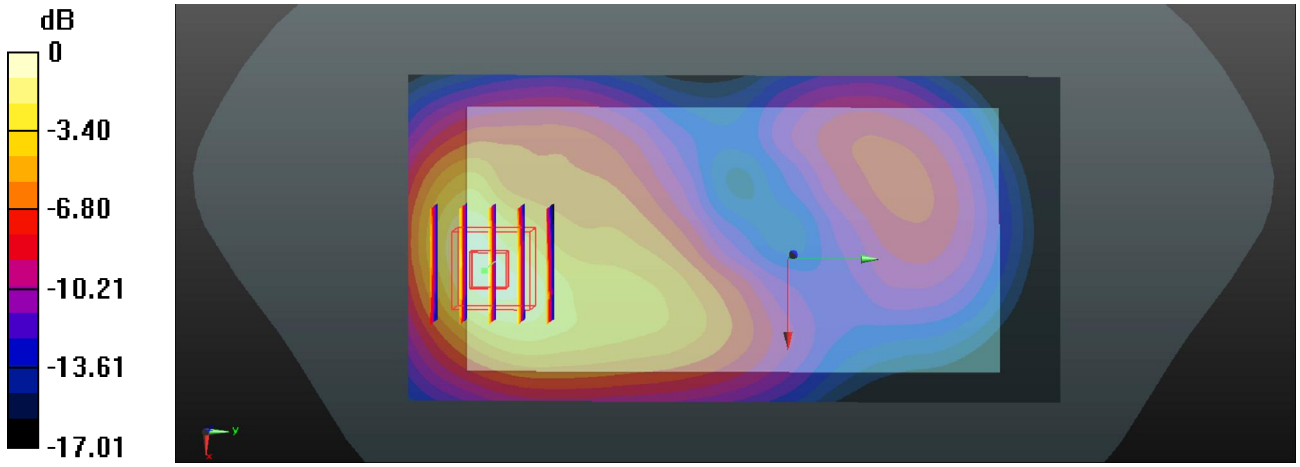
09 WCDMA Band II_RMC 12.2K_Back_1.0cm_Ch9262

Communication System: WCDMA ; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: MSL_1900_140531 Medium parameters used: f = 1852.4 MHz; σ = 1.444 S/m; ε_r = 53.844; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(7.83, 7.83, 7.83); Calibrated: 2014/3/10;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1353; Calibrated: 2014/1/30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch9262/Area Scan (61x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.22 W/kg

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.569 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.62 W/kg
SAR(1 g) = 0.997 W/kg; SAR(10 g) = 0.559 W/kg
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: 2014/6/3

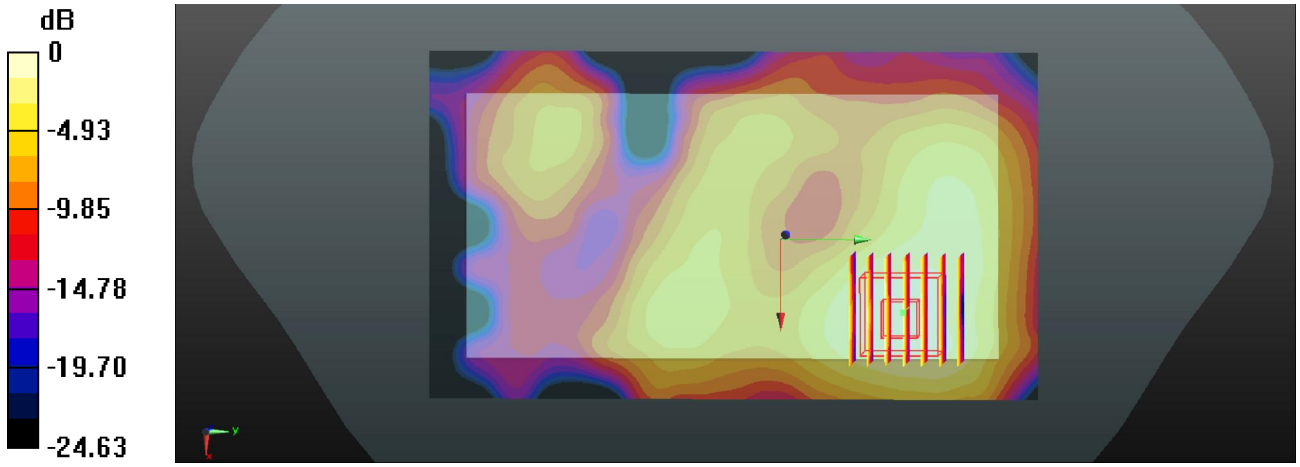
10 WLAN2.4G_802.11n-40M_Back_1.0cm_Ch6

Communication System: 802.11n; Frequency: 2437 MHz;Duty Cycle: 1:1.259
Medium: MSL_2450_140603 Medium parameters used: f = 2437 MHz; σ = 1.922 S/m; ε_r = 53.921; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(7.49, 7.49, 7.49); Calibrated: 2014/3/10;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1353; Calibrated: 2014/1/30
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch6/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0825 W/kg

Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.097 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.113 W/kg
SAR(1 g) = 0.060 W/kg; SAR(10 g) = 0.032 W/kg
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: 2014/5/31

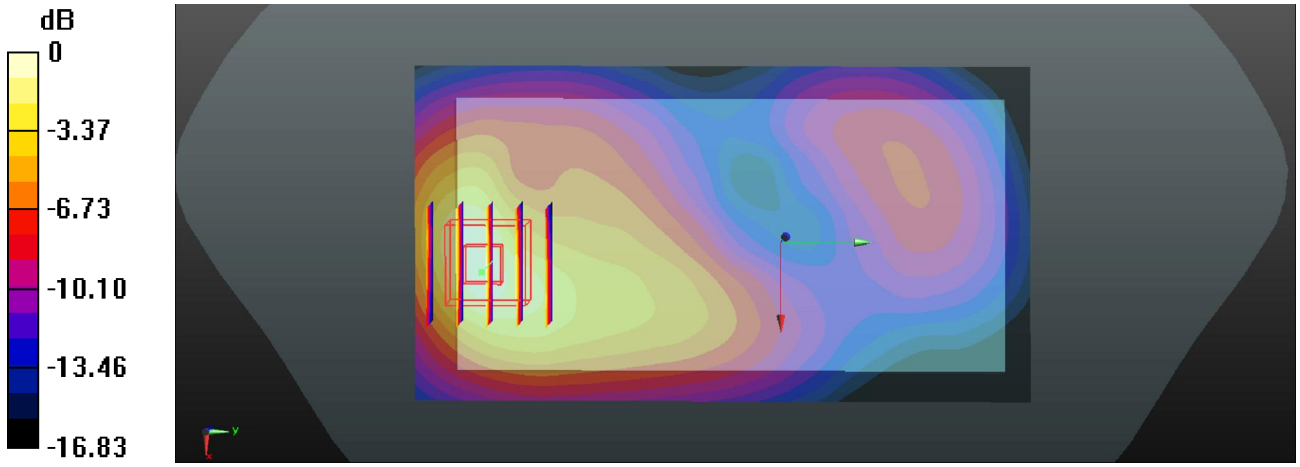
11 GSM1900_GPRS(GMSK 2 Tx slots)_Back_1.0cm_Ch512_Headset

Communication System: GPRS (GMSK 2 Tx slot); Frequency: 1850.2 MHz;Duty Cycle: 1:4.15
Medium: MSL_1900_140531 Medium parameters used: f = 1850.2 MHz; σ = 1.44 S/m; ε_r = 53.854; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(7.83, 7.83, 7.83); Calibrated: 2014/3/10;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1353; Calibrated: 2014/1/30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch512/Area Scan (61x111x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.21 W/kg

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.034 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 0.934 W/kg; SAR(10 g) = 0.521 W/kg
Maximum value of SAR (measured) = 1.28 W/kg



0 dB = 1.28 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2014/5/31

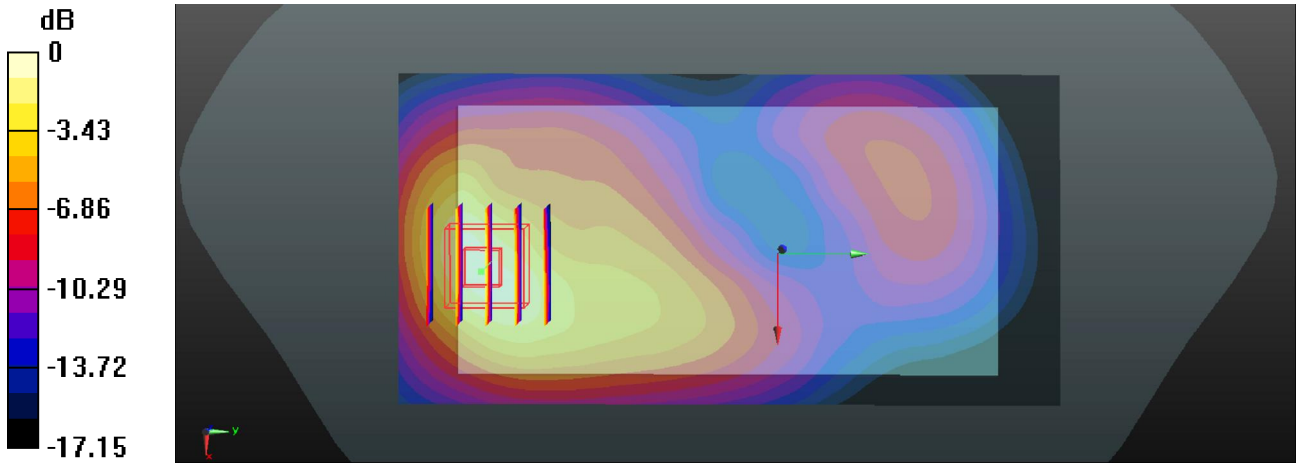
12 WCDMA Band II_RMC 12.2K_Back_1.0cm_Ch9262_Headset

Communication System: WCDMA ; Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium: MSL_1900_140531 Medium parameters used: f = 1852.4 MHz; σ = 1.444 S/m; ε_r = 53.844; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(7.83, 7.83, 7.83); Calibrated: 2014/3/10;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1353; Calibrated: 2014/1/30
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch9262/Area Scan (61x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.26 W/kg

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.412 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 1.71 W/kg
SAR(1 g) = 1.040 W/kg; SAR(10 g) = 0.579 W/kg
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: 2014/6/3

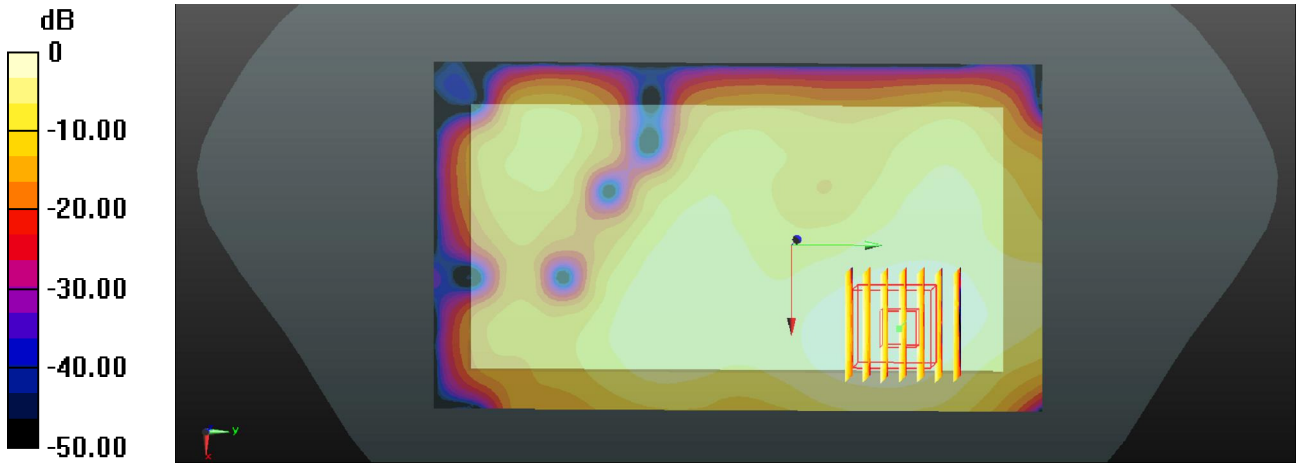
13 WLAN2.4GHz_802.11b_Back_1.0cm_Ch11_Headset

Communication System: 802.11b; Frequency: 2462 MHz;Duty Cycle: 1:1.021
Medium: MSL_2450_140603 Medium parameters used: f = 2462 MHz; σ = 1.974 S/m; ε_r = 53.843; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3898; ConvF(7.49, 7.49, 7.49); Calibrated: 2014/3/10;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1353; Calibrated: 2014/1/30
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (5); SEMCAD X Version 14.6.8 (7028)

Ch11/Area Scan (81x141x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.112 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.213 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.147 W/kg
SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.043 W/kg
Maximum value of SAR (measured) = 0.113 W/kg



0 dB = 0.113 W/kg