Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/8/2

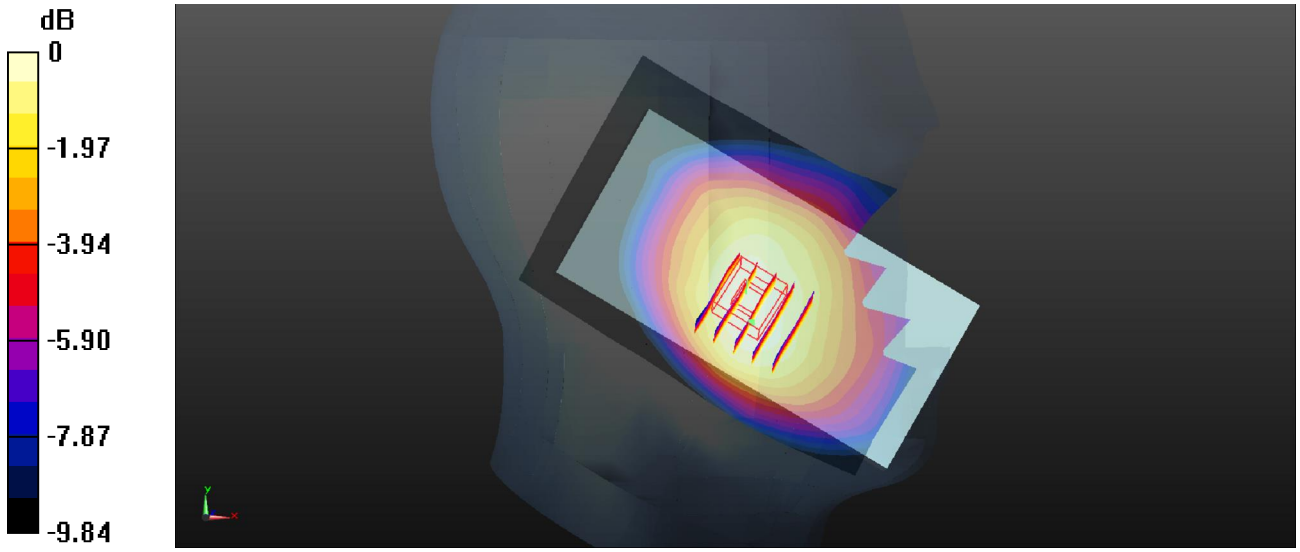
10_LTE Band 13_10M_QPSK_1RB_25offset_Left Cheek_0mm_Ch23230

Communication System: UID 0, FDD-LTE (0); Frequency: 782 MHz;Duty Cycle: 1:1
Medium: HSL_750_2017/08/02 Medium parameters used: f = 782 MHz; σ = 0.922 S/m; ε_r = 41.566; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature ：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.92, 10.92, 10.92); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.251 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.968 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.264 W/kg
SAR(1 g) = 0.215 W/kg; SAR(10 g) = 0.166 W/kg
Maximum value of SAR (measured) = 0.247 W/kg



0 dB = 0.247 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/8/1

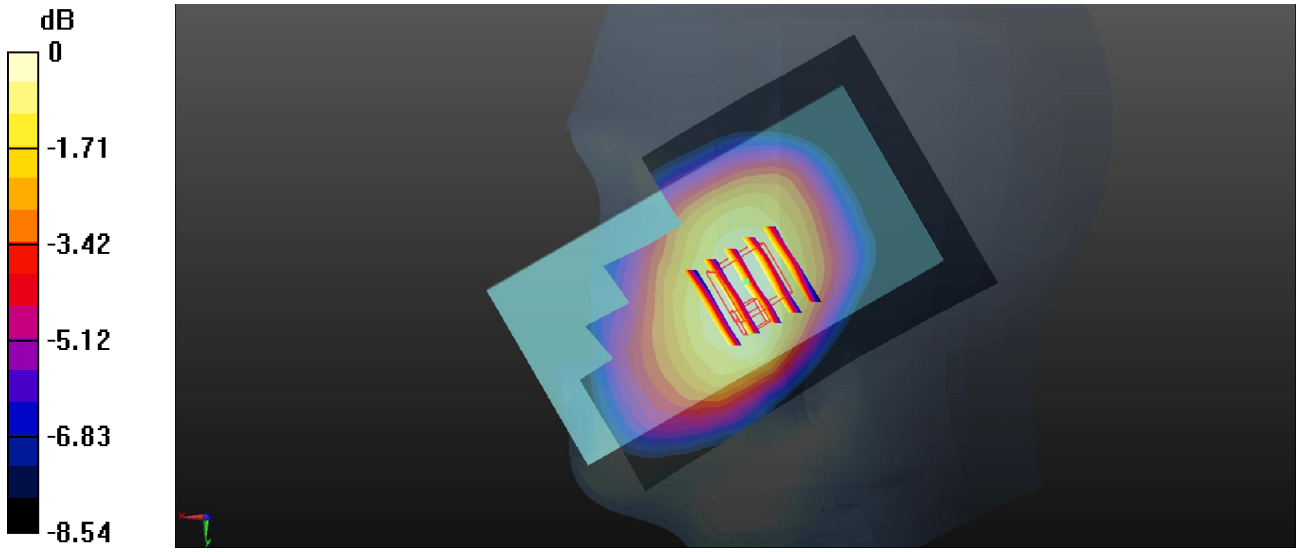
11_LTE Band 26_15M_QPSK_1RB_37offset_Right Cheek_0mm_Ch26865

Communication System: UID 0, FDD-LTE (0); Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium: HSL_835_2017/08/01 Medium parameters used: f = 831.5 MHz; σ = 0.934 S/m; ε_r = 42.986; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature ：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.61, 10.61, 10.61); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26865/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.378 W/kg

Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.561 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.425 W/kg
SAR(1 g) = 0.319 W/kg; SAR(10 g) = 0.251 W/kg
Maximum value of SAR (measured) = 0.388 W/kg



0 dB = 0.388 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/8/2

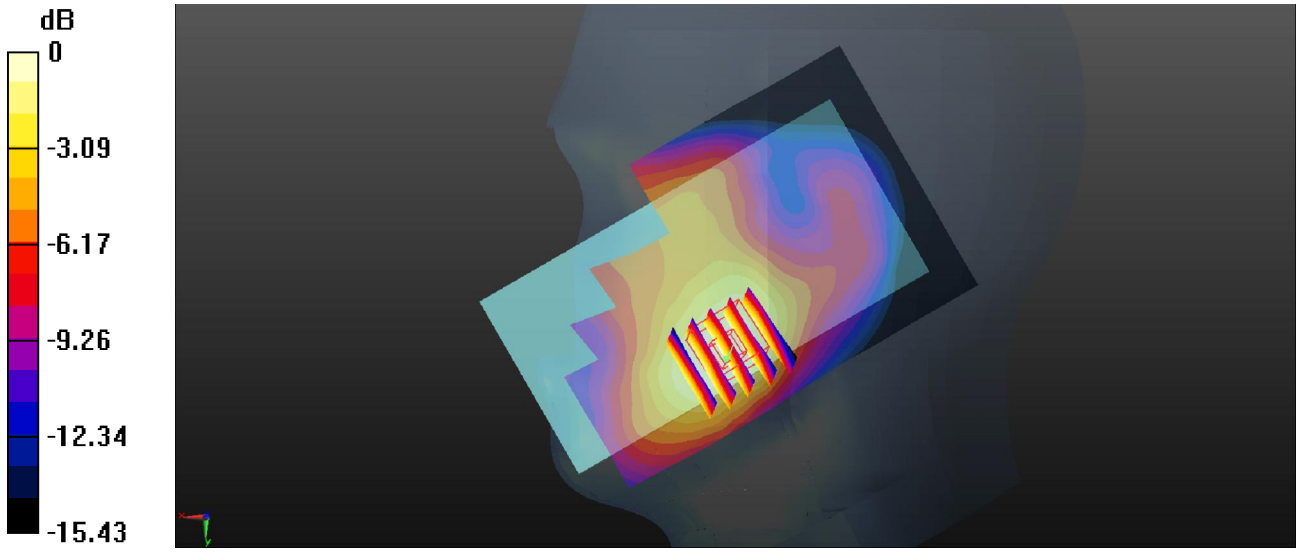
12_LTE Band 4_20M_QPSK_1RB_49offset_Right Cheek_0mm_Ch20175

Communication System: UID 0, FDD-LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: HSL_1750_2017/08/02 Medium parameters used: f = 1732.5 MHz; σ = 1.364 S/m; ε_r =38.946; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature ：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(9.03, 9.03, 9.03); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.374 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.469 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.417 W/kg
SAR(1 g) = 0.280 W/kg; SAR(10 g) = 0.183 W/kg
Maximum value of SAR (measured) = 0.366 W/kg



0 dB = 0.366 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/30

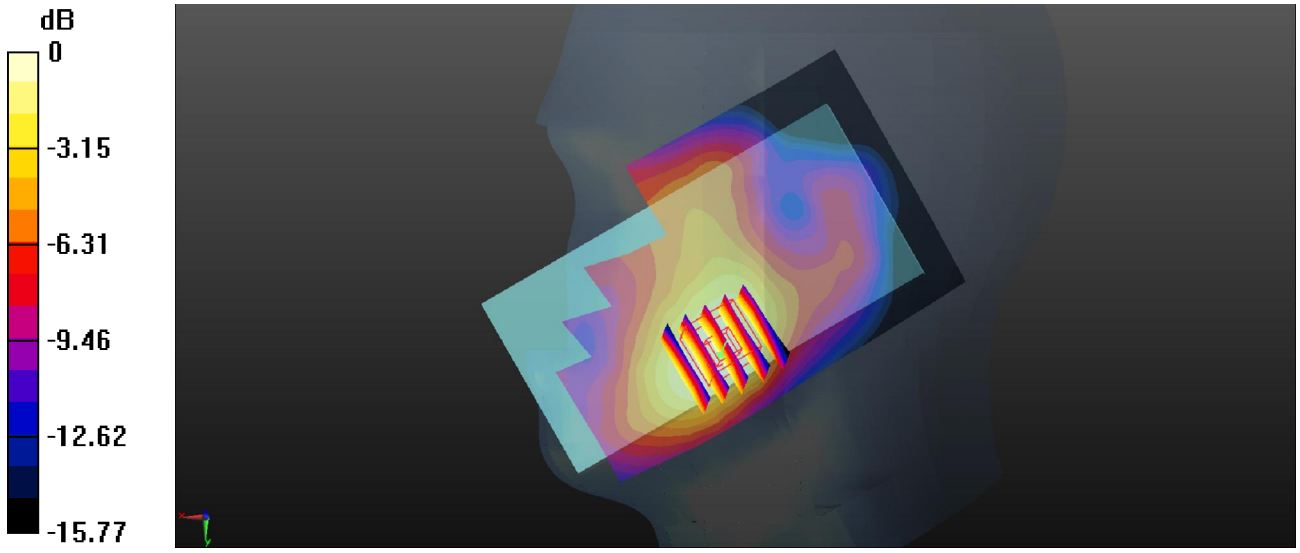
13_LTE Band 25_20M_QPSK_1RB_49offset_Right Cheek_0mm_Ch26590

Communication System: UID 0, FDD-LTE (0); Frequency: 1905 MHz;Duty Cycle: 1:1
Medium: HSL_1900_2017/07/30 Medium parameters used: f = 1905 MHz; σ = 1.43 S/m;
ε_r = 39.979;ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.64, 8.64, 8.64); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26590/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.230 W/kg

Ch26590/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.355 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.252 W/kg
SAR(1 g) = 0.166 W/kg; SAR(10 g) = 0.106 W/kg
Maximum value of SAR (measured) = 0.222 W/kg



0 dB = 0.222 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/8/2

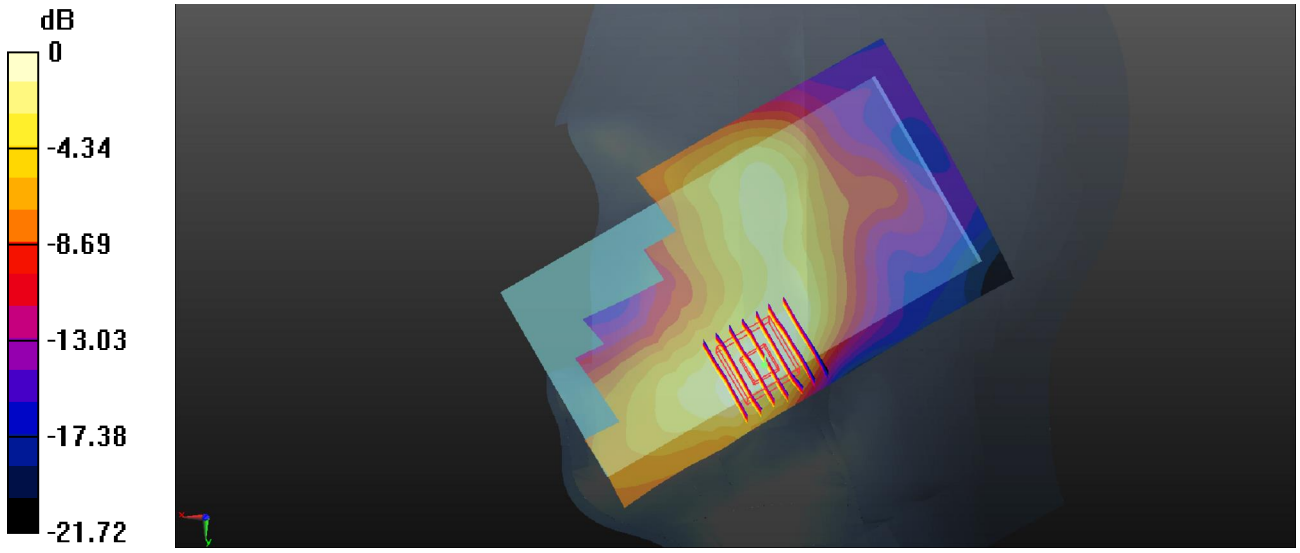
14_LTE Band 7_20M_QPSK_1RB_49offset_Right Cheek_0mm_Ch21350

Communication System: UID 0, FDD-LTE (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium: HSL_2600_2017/08/02 Medium parameters used: f = 2560 MHz; σ = 2.005 S/m;
ε_r =37.636; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(7.6, 7.6, 7.6); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21350/Area Scan (81x151x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.500 W/kg

Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.513 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.586 W/kg
SAR(1 g) = 0.309 W/kg; SAR(10 g) = 0.164 W/kg
Maximum value of SAR (measured) = 0.478 W/kg



0 dB = 0.478 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/8/2

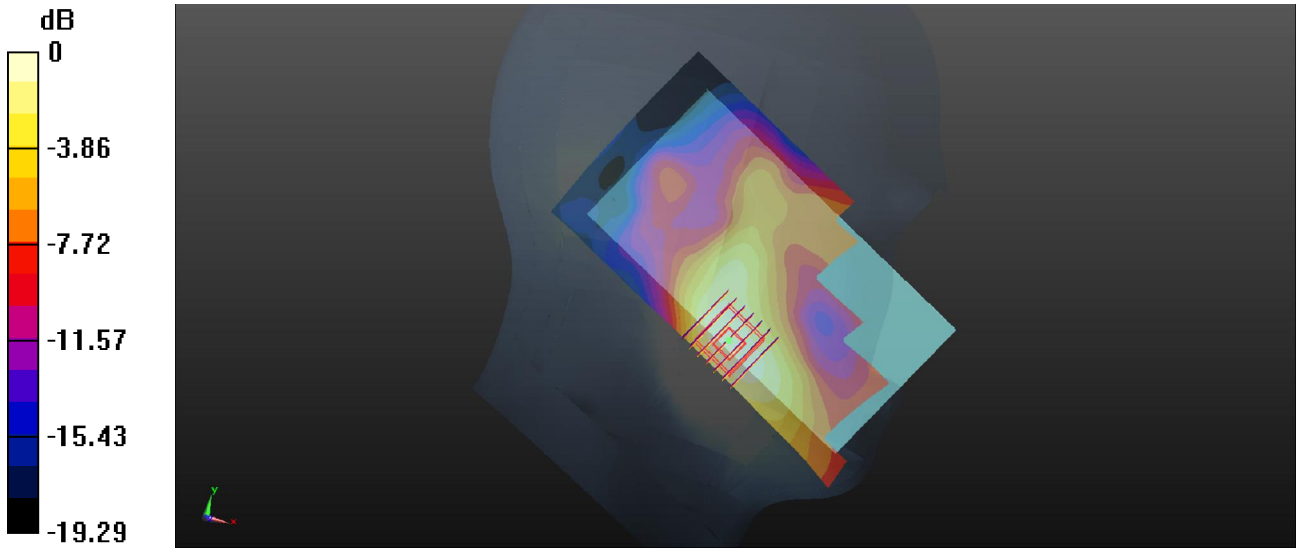
15_LTE Band 41_20M_QPSK_1RB_0offset_Left Cheek_0mm_Ch41490_Power Class 2

Communication System: UID 0, TDD-LTE (0); Frequency: 2680 MHz;Duty Cycle: 1:2.33
Medium: HSL_2600_2017/08/02 Medium parameters used: f = 2680 MHz; σ = 2.145 S/m;
ε_r =37.154; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(7.6, 7.6, 7.6); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41490/Area Scan (81x151x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.274 W/kg

Ch41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.347 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.344 W/kg
SAR(1 g) = 0.170 W/kg; SAR(10 g) = 0.092 W/kg
Maximum value of SAR (measured) = 0.271 W/kg



0 dB = 0.271 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/8/14

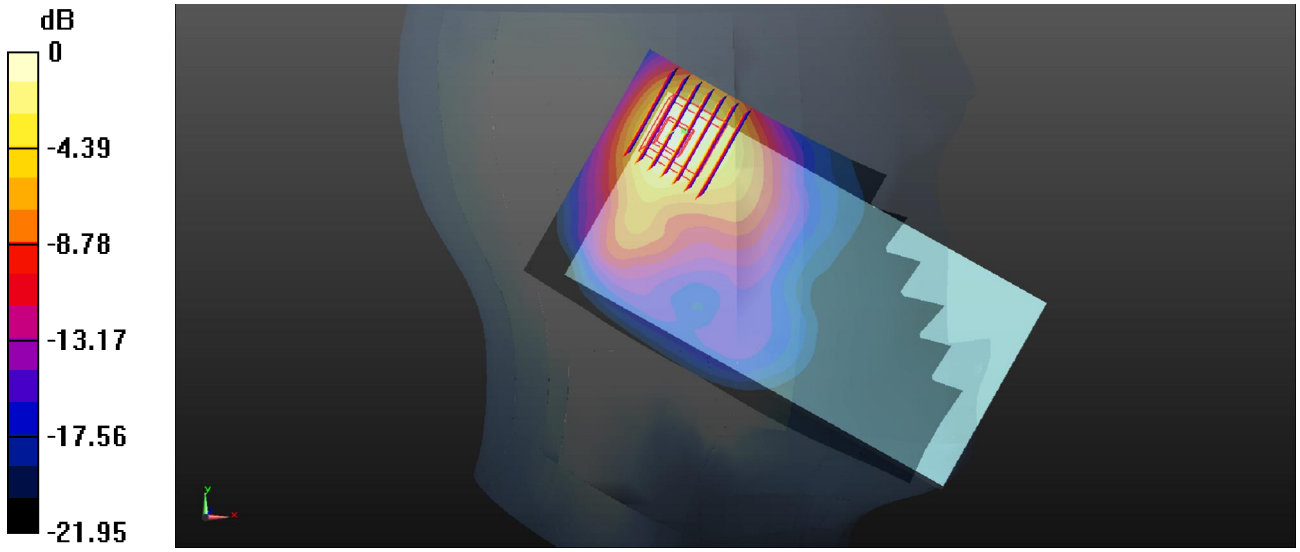
16_WLAN2.4GHz_802.11b 1Mbps_Left Cheek_0mm_Ch6

Communication System: UID 0, 802.11b (0); Frequency: 2437 MHz;Duty Cycle: 1:1.021
Medium: HSL_2450_2017/08/14 Medium parameters used: f = 2437 MHz; σ = 1.865 S/m;
ε_r =38.141; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature ：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(7.81, 7.81, 7.81); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (81x151x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.25 W/kg

Ch6/Zoom Scan (8x7x5)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.10 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.59 W/kg
SAR(1 g) = 0.734 W/kg; SAR(10 g) = 0.343 W/kg
Maximum value of SAR (measured) = 1.24 W/kg



0 dB = 1.24 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/23

17_GSM850_GPRS(2 Tx slots)_Back_10mm_Ch251

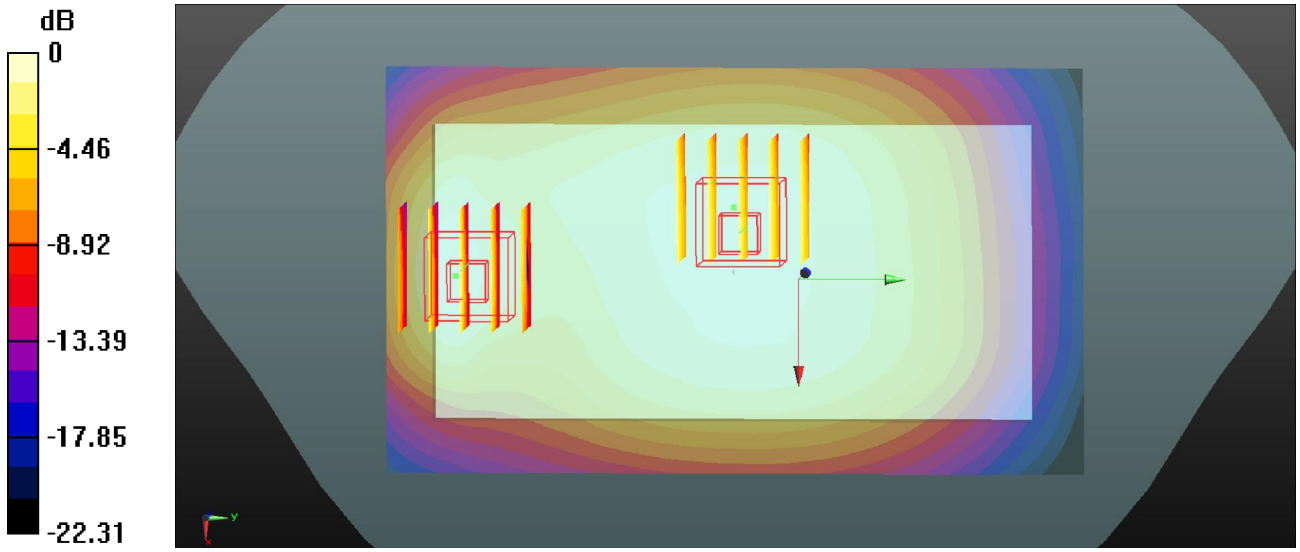
Communication System: UID 0, GPRS (GMSK 2 Tx slot) (0); Frequency: 848.8 MHz;Duty Cycle:1:4.15
Medium: MSL_835_2017/07/23 Medium parameters used: f = 848.8 MHz; σ = 1.027 S/m;
ε_r = 55.812;ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.48, 10.48, 10.48); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch251/Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.18 W/kg

Ch251/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.27 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.877 W/kg; SAR(10 g) = 0.670 W/kg
Maximum value of SAR (measured) = 1.06 W/kg

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 29.27 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.57 W/kg
SAR(1 g) = 0.851 W/kg; SAR(10 g) = 0.483 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: 2017/7/25

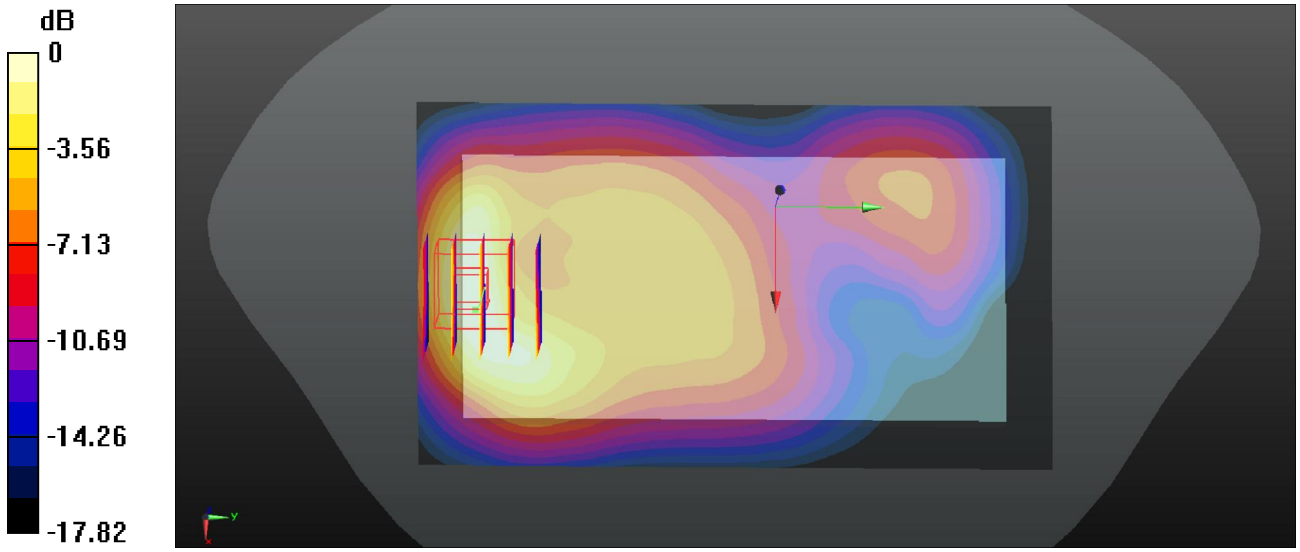
18_GSM1900_GPRS(3 Tx slots)_Back_10mm_Ch810

Communication System: UID 0, GPRS (GMSK 3 Tx slot) (0); Frequency: 1909.8 MHz;Duty Cycle:1:2.77
Medium: MSL_1900_2017/07/25 Medium parameters used: f = 1909.8 MHz; σ = 1.546 S/m;
ε_r = 52.396; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature ：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.18, 8.18, 8.18); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.09 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.28 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.22 W/kg
SAR(1 g) = 0.694 W/kg; SAR(10 g) = 0.364 W/kg
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: 2017/7/23

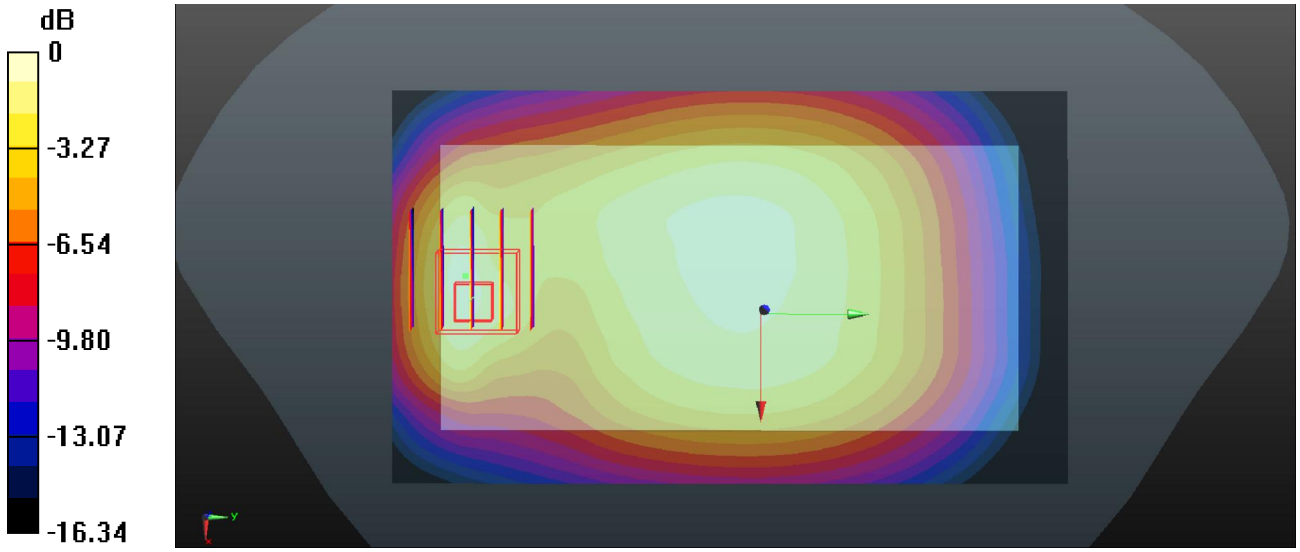
19_WCDMA Band V_RMC 12.2Kbps_Back_10mm_Ch4233

Communication System: UID 0, WCDMA (0); Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_2017/07/23 Medium parameters used: f = 846.6 MHz; σ = 1.025 S/m;
ε_r = 55.829;ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.48, 10.48, 10.48); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.677 W/kg

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.96 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.936 W/kg
SAR(1 g) = 0.504 W/kg; SAR(10 g) = 0.285 W/kg
Maximum value of SAR (measured) = 0.776 W/kg



0 dB = 0.776 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/22

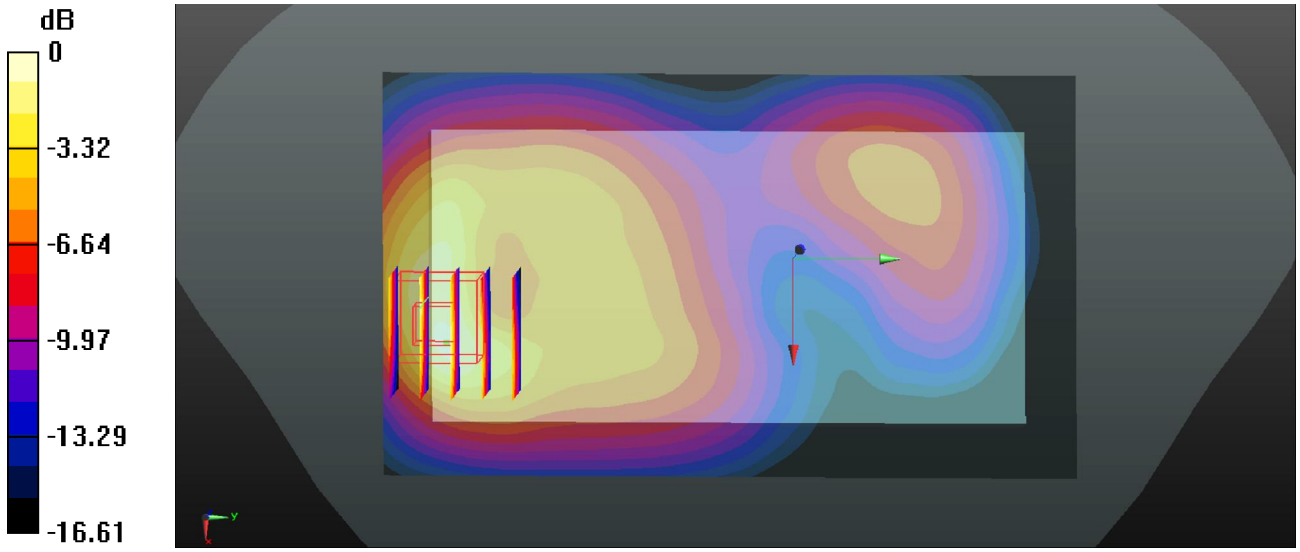
20_WCDMA Band IV_RMC 12.2Kbps_Back_10mm_Ch1413

Communication System: UID 0, WCDMA (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium: MSL_1750_2017/07/22 Medium parameters used: f = 1732.6 MHz; σ = 1.496 S/m; ε_r =53.75; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature ：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.46, 8.46, 8.46); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1413/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.06 W/kg

Ch1413/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.16 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.55 W/kg
SAR(1 g) = 0.866 W/kg; SAR(10 g) = 0.467 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: 2017/7/25

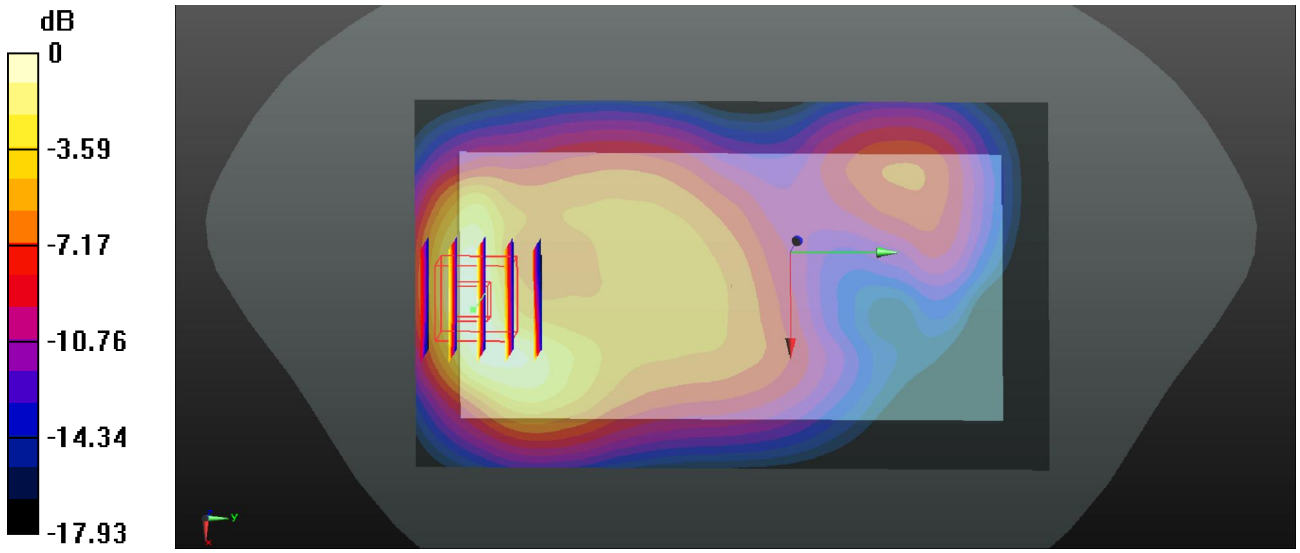
21_WCDMA Band II_RMC 12.2Kbps_Back_10mm_Ch9538

Communication System: UID 0, WCDMA (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_2017/07/25 Medium parameters used: f = 1907.6 MHz; σ = 1.544 S/m; ε_r =52.419; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature ：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.18, 8.18, 8.18); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9538/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.46 W/kg

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.24 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.67 W/kg
SAR(1 g) = 0.930 W/kg; SAR(10 g) = 0.485 W/kg
Maximum value of SAR (measured) = 1.42 W/kg



0 dB = 1.42 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/23

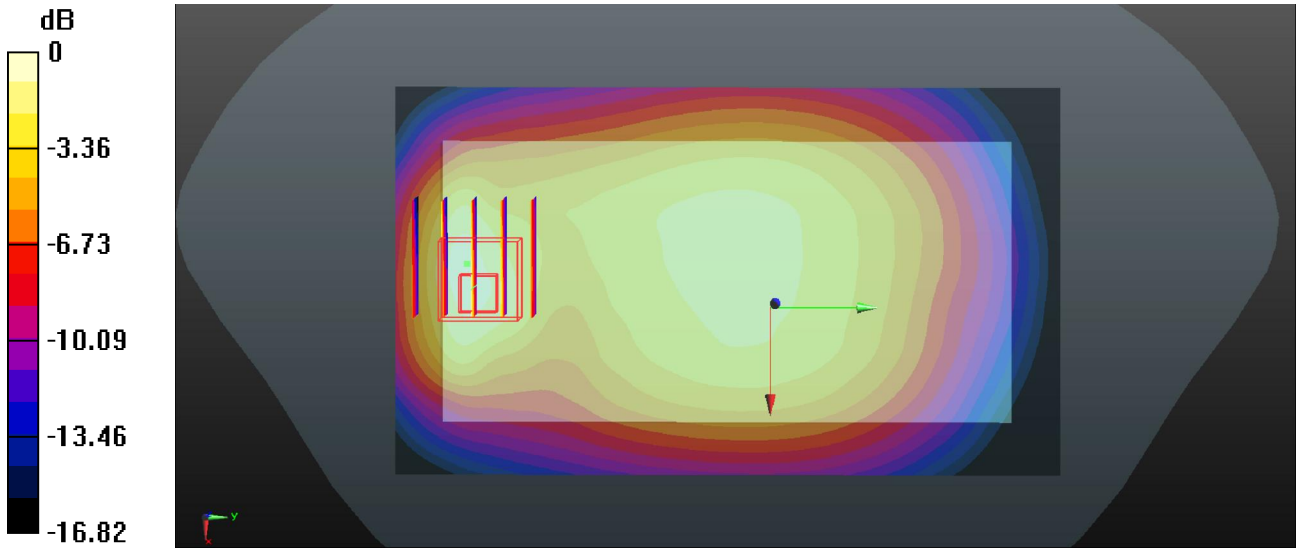
22_CDMA2000 BC0_RTAP 153.6Kbps_Back_10mm_Ch777

Communication System: UID 0, CDMA2000 (0); Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium: MSL_835_2017/07/23 Medium parameters used: f = 848.31 MHz; σ = 1.026 S/m; ε_r =55.816; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.48, 10.48, 10.48); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch777/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.861 W/kg

Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.24 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.15 W/kg
SAR(1 g) = 0.616 W/kg; SAR(10 g) = 0.343 W/kg
Maximum value of SAR (measured) = 0.934 W/kg



0 dB = 0.934 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/23

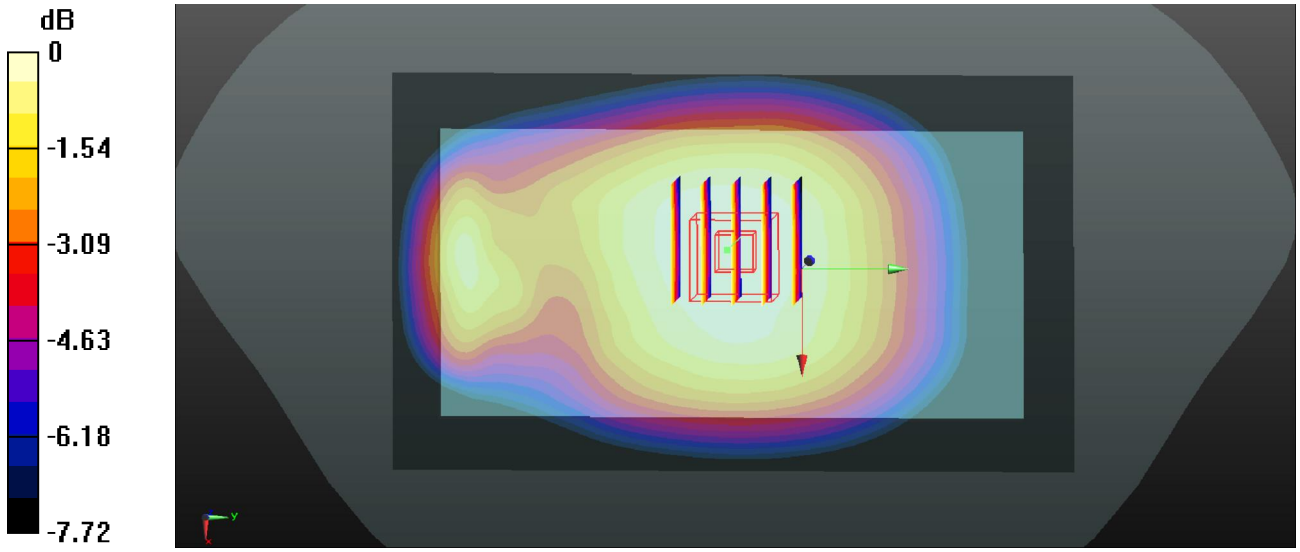
23_CDMA2000 BC10_RTAP 153.6Kbps_Back_10mm_Ch684

Communication System: UID 0, CDMA2000 (0); Frequency: 823.1 MHz;Duty Cycle: 1:1
Medium: MSL_835_2017/07/23 Medium parameters used: f = 823.1 MHz; σ = 1.001 S/m; ε_r =56.062; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.48, 10.48, 10.48); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch684/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.844 W/kg

Ch684/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.49 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.940 W/kg
SAR(1 g) = 0.706 W/kg; SAR(10 g) = 0.550 W/kg
Maximum value of SAR (measured) = 0.855 W/kg



0 dB = 0.855 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/25

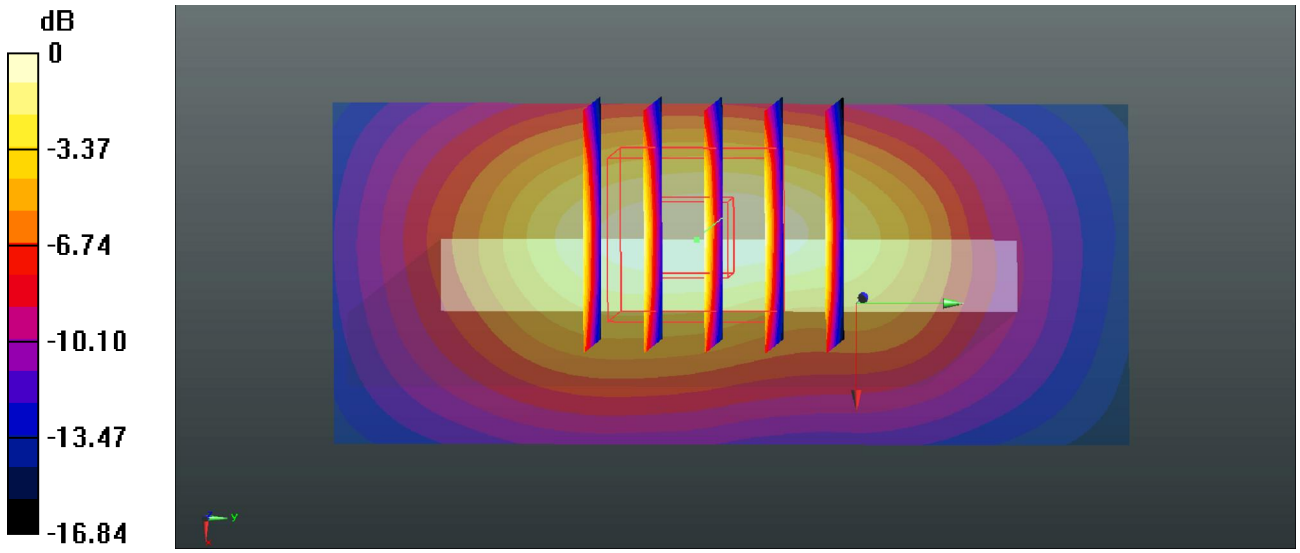
24_CDMA2000 BC1_RTAP 153.6Kbps_Bottom side_10mm_Ch1175

Communication System: UID 0, CDMA2000 (0); Frequency: 1908.75 MHz;Duty Cycle: 1:1
Medium: MSL_1900_2017/07/25 Medium parameters used: f = 1908.75 MHz; σ = 1.545 S/m; ε_r =52.407; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature ：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.18, 8.18, 8.18); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1175/Area Scan (31x71x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.29 W/kg

Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.30 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.54 W/kg
SAR(1 g) = 0.880 W/kg; SAR(10 g) = 0.494 W/kg
Maximum value of SAR (measured) = 1.32 W/kg



0 dB = 1.32 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/27

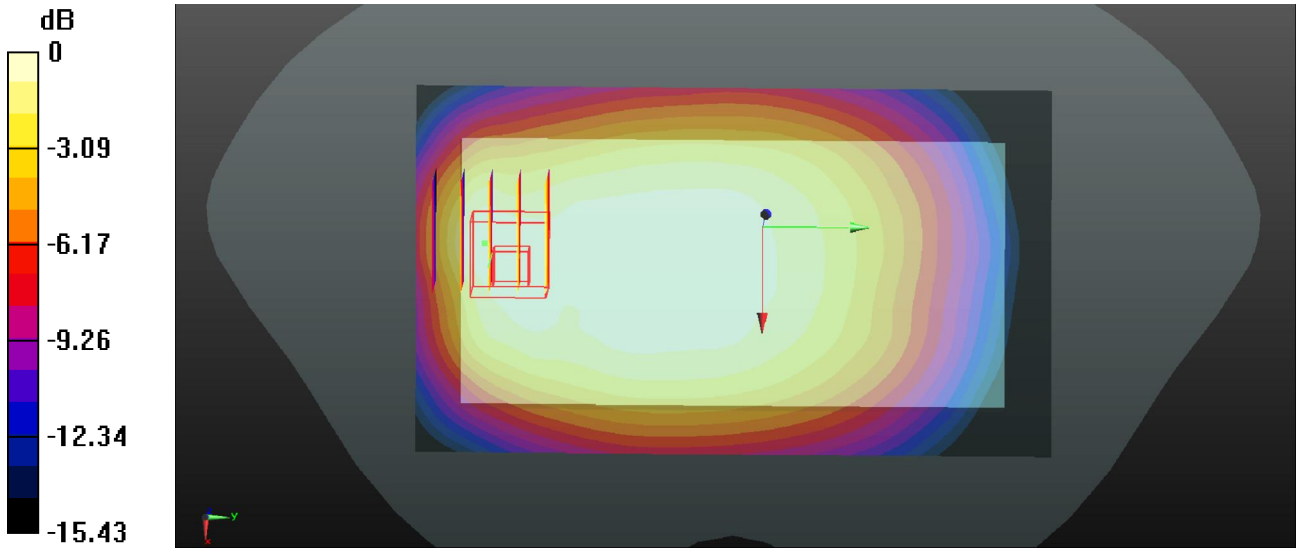
25_LTE Band 12_10M_QPSK_1RB_25offset_Back_10mm_Ch23095

Communication System: UID 0, FDD-LTE (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_2017/07/27 Medium parameters used: f = 707.5 MHz; σ = 0.925 S/m;
ε_r =55.487; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.68, 10.68, 10.68); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.476 W/kg

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 19.75 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.560 W/kg
SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.220 W/kg
Maximum value of SAR (measured) = 0.456 W/kg



0 dB = 0.456 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/27

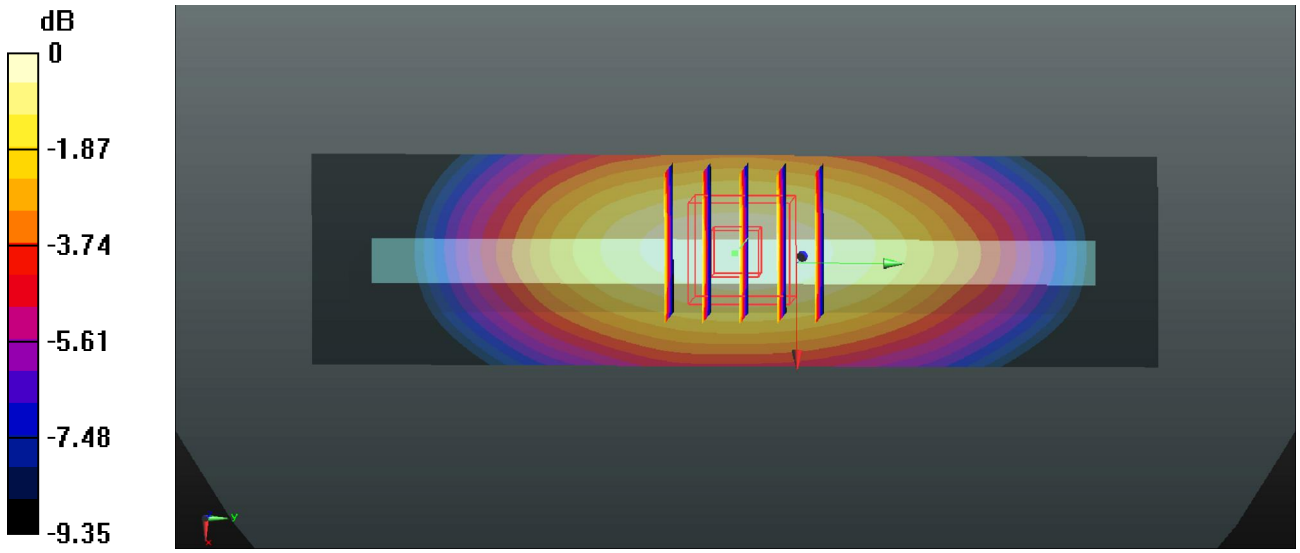
26_LTE Band 13_10M_QPSK_1RB_25offset_Right side_10mm_Ch23230

Communication System: UID 0, FDD-LTE (0); Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_2017/07/27 Medium parameters used: f = 782 MHz; σ = 0.995 S/m;
ε_r = 54.695;ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.68, 10.68, 10.68); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (31x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.624 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.74 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.705 W/kg
SAR(1 g) = 0.486 W/kg; SAR(10 g) = 0.337 W/kg
Maximum value of SAR (measured) = 0.629 W/kg



0 dB = 0.629 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/23

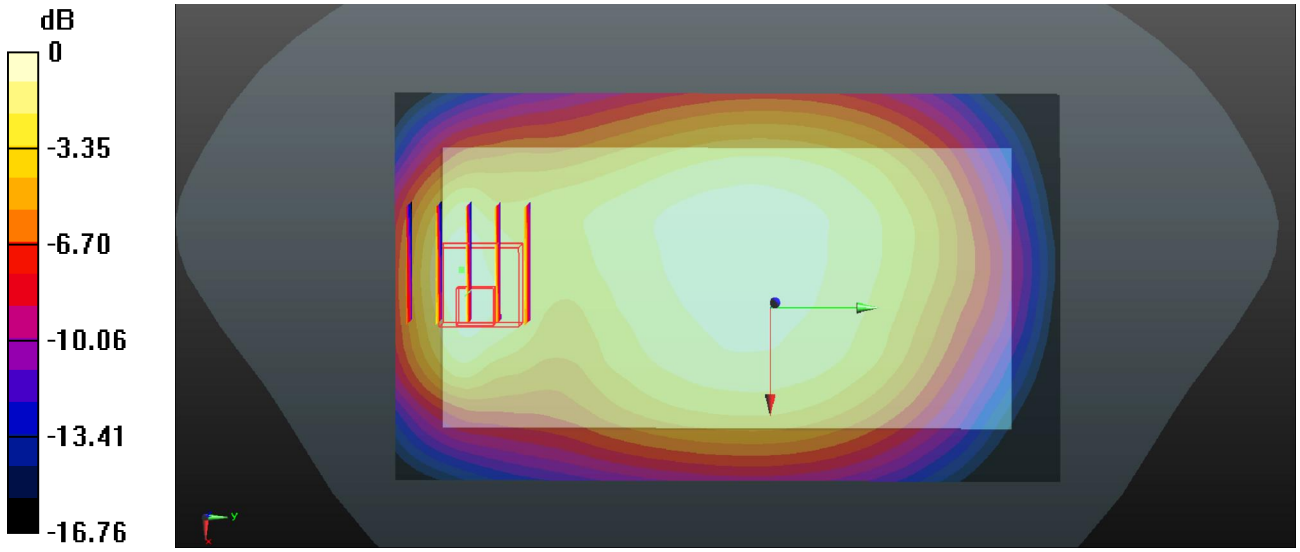
27_LTE Band 26_15M_QPSK_1RB_37offset_Back_10mm_Ch26865

Communication System: UID 0, FDD-LTE (0); Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium: MSL_835_2017/07/23 Medium parameters used: f = 831.5 MHz; σ = 1.01 S/m;
ε_r = 55.976;ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.48, 10.48, 10.48); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26865/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.713 W/kg

Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 22.66 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.887 W/kg
SAR(1 g) = 0.496 W/kg; SAR(10 g) = 0.280 W/kg
Maximum value of SAR (measured) = 0.704 W/kg



0 dB = 0.704 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/22

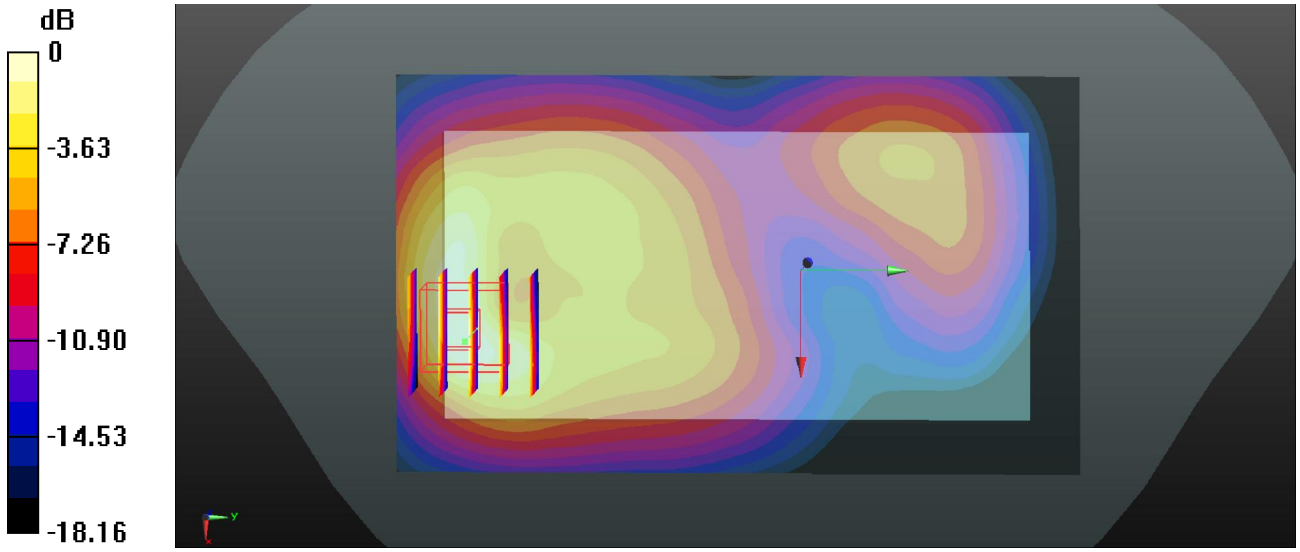
28_LTE Band 4_20M_QPSK_1RB_49offset_Back_10mm_Ch20175

Communication System: UID 0, FDD-LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1750_2017/07/22 Medium parameters used: f = 1732.5 MHz; σ = 1.496 S/m; ε_r =53.752; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature ：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.46, 8.46, 8.46); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.19 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.383 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.794 W/kg; SAR(10 g) = 0.415 W/kg
Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.21 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/25

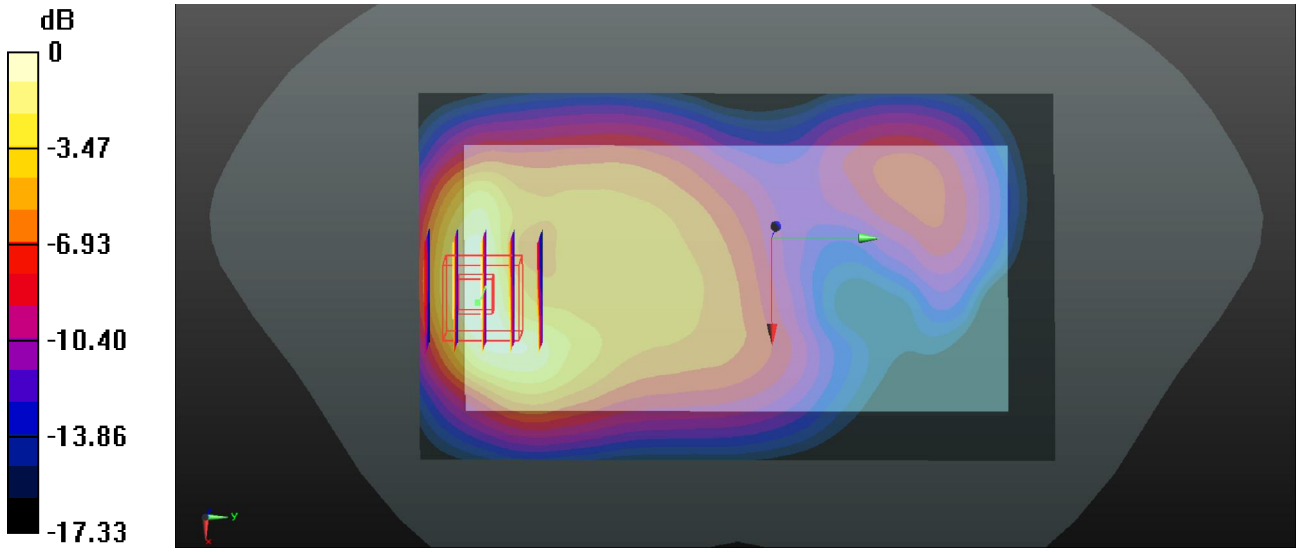
29_LTE Band 25_20M_QPSK_1RB_49offset_Back_10mm_Ch26140

Communication System: UID 0, FDD-LTE (0); Frequency: 1860 MHz;Duty Cycle: 1:1
Medium: MSL_1900_2017/07/25 Medium parameters used: f = 1860 MHz; σ = 1.512 S/m;
ε_r =52.633; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature ：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.18, 8.18, 8.18); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26140/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.45 W/kg

Ch26140/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.93 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.59 W/kg
SAR(1 g) = 0.891 W/kg; SAR(10 g) = 0.474 W/kg
Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/28

30_LTE Band 7_20M_QPSK_1RB_49offset_Back_10mm_Ch20850

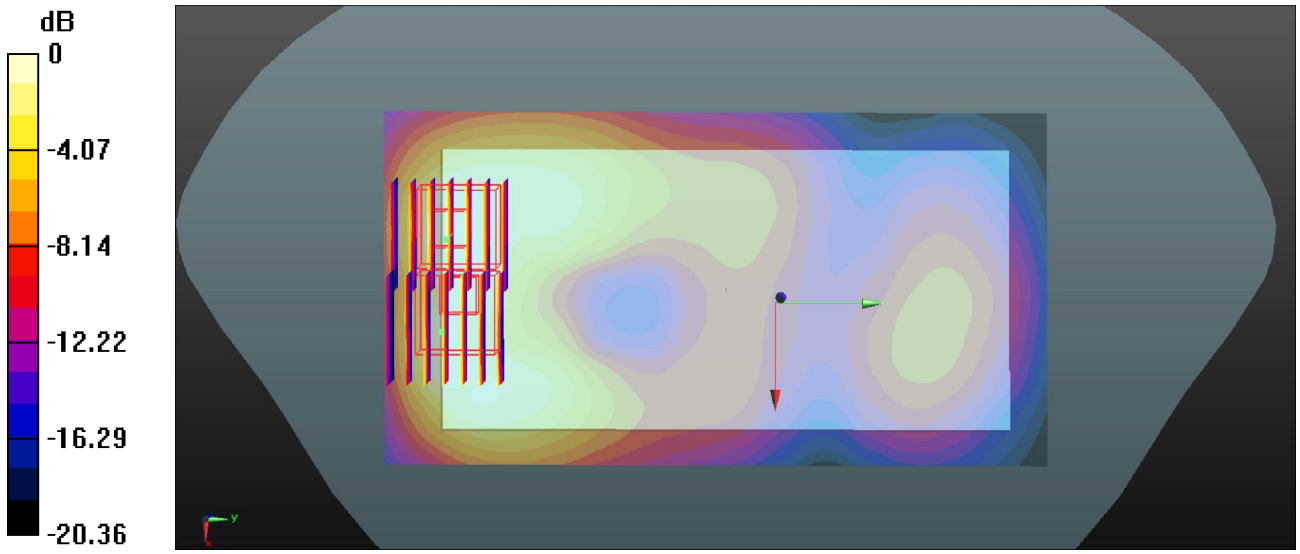
Communication System: UID 0, FDD-LTE (0); Frequency: 2510 MHz;Duty Cycle: 1:1
Medium: MSL_2600_2017/07/28 Medium parameters used: f = 2510 MHz; σ = 2.026 S/m;
ε_r =51.279; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃; Liquid Temperature ：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(7.67, 7.67, 7.67); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20850/Area Scan (81x151x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.24 W/kg

Ch20850/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.531 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.86 W/kg
SAR(1 g) = 0.935 W/kg; SAR(10 g) = 0.449 W/kg
Maximum value of SAR (measured) = 1.48 W/kg

Ch20850/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.531 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 1.52 W/kg
SAR(1 g) = 0.714 W/kg; SAR(10 g) = 0.350 W/kg
Maximum value of SAR (measured) = 1.17 W/kg



0 dB = 1.17 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/28

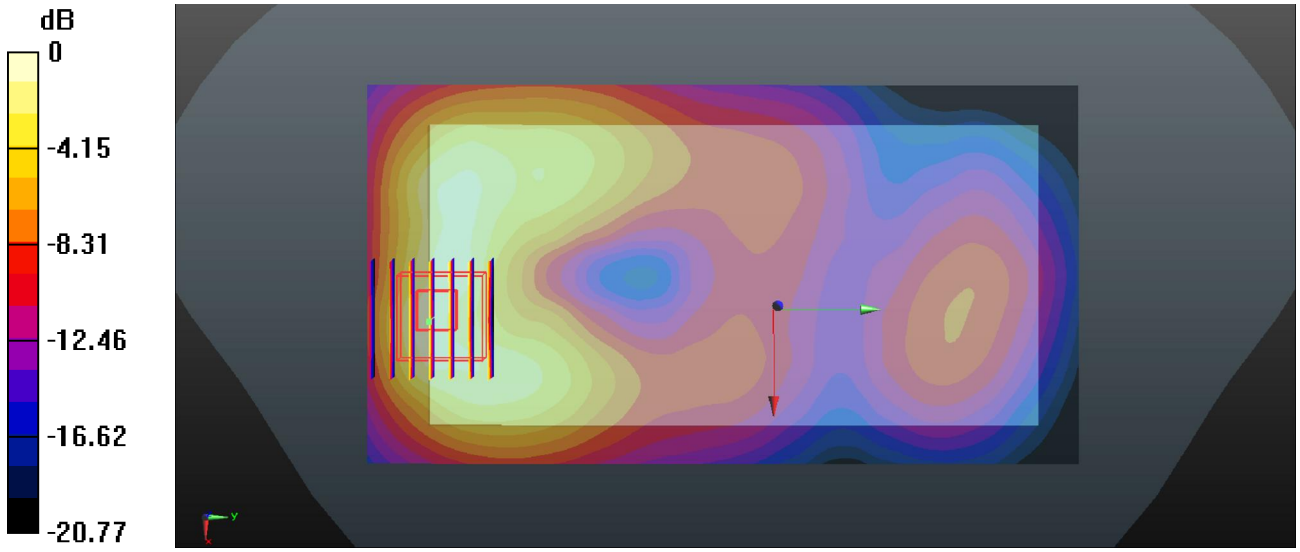
31_LTE Band 41_20M_QPSK_1RB_0offset_Back_10mm_Ch40620_Power Class 2

Communication System: UID 0, TDD-LTE (0); Frequency: 2593 MHz;Duty Cycle: 1:2.33
Medium: MSL_2600_2017/07/28 Medium parameters used: f = 2593 MHz; σ = 2.139 S/m;
ε_r =51.006; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃; Liquid Temperature ：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(7.67, 7.67, 7.67); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch40620/Area Scan (81x151x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.984 W/kg

Ch40620/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.837 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.39 W/kg
SAR(1 g) = 0.647 W/kg; SAR(10 g) = 0.304 W/kg
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: 2017/8/14

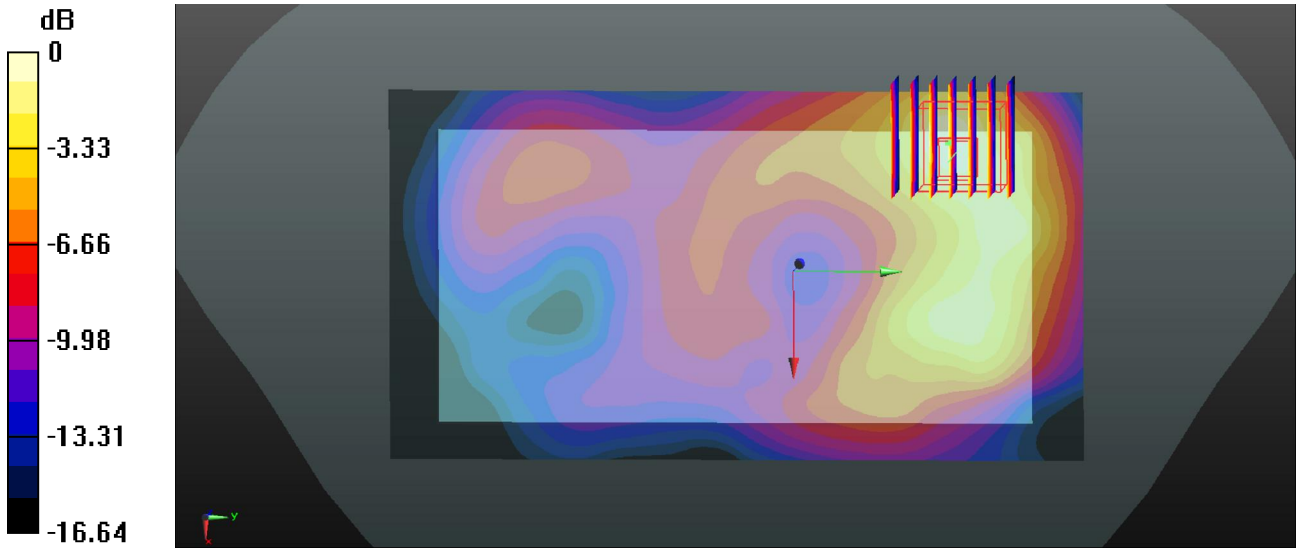
32_WLAN2.4GHz_802.11b 1Mbps_Back_10mm_Ch6

Communication System: UID 0, 802.11b (0); Frequency: 2437 MHz;Duty Cycle: 1:1.021
Medium: MSL_2450_2017/08/14 Medium parameters used: f = 2437 MHz; σ = 1.967 S/m; ε_r =51.218; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(7.89, 7.89, 7.89); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (81x151x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.211 W/kg

Ch6/Zoom Scan (7x7x5)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.442 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.243 W/kg
SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.064 W/kg
Maximum value of SAR (measured) = 0.198 W/kg



0 dB = 0.198 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/23

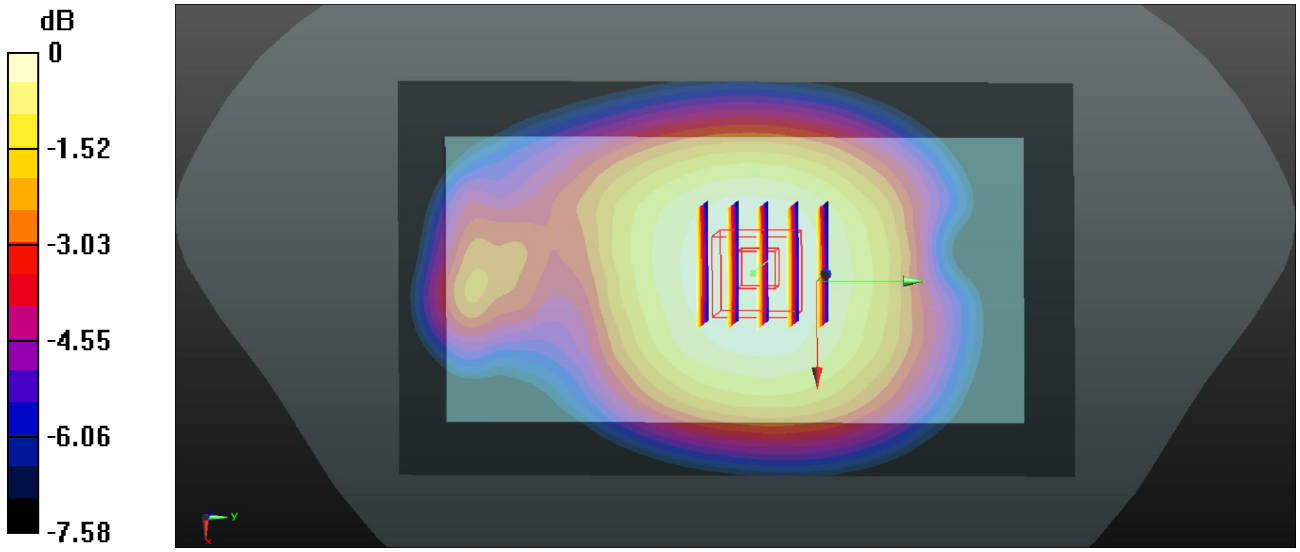
33_GSM850_GPRS(2 Tx slots)_Back_15mm_Ch251

Communication System: UID 0, GPRS (GMSK 2 Tx slot) (0); Frequency: 848.8 MHz;Duty Cycle:1:4.15
Medium: MSL_835_2017/07/23 Medium parameters used: f = 848.8 MHz; σ = 1.027 S/m; ε_r = 55.812; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.48, 10.48, 10.48); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch251/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.895 W/kg

Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.90 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.980 W/kg
SAR(1 g) = 0.739 W/kg; SAR(10 g) = 0.571 W/kg
Maximum value of SAR (measured) = 0.887 W/kg



0 dB = 0.887 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/25

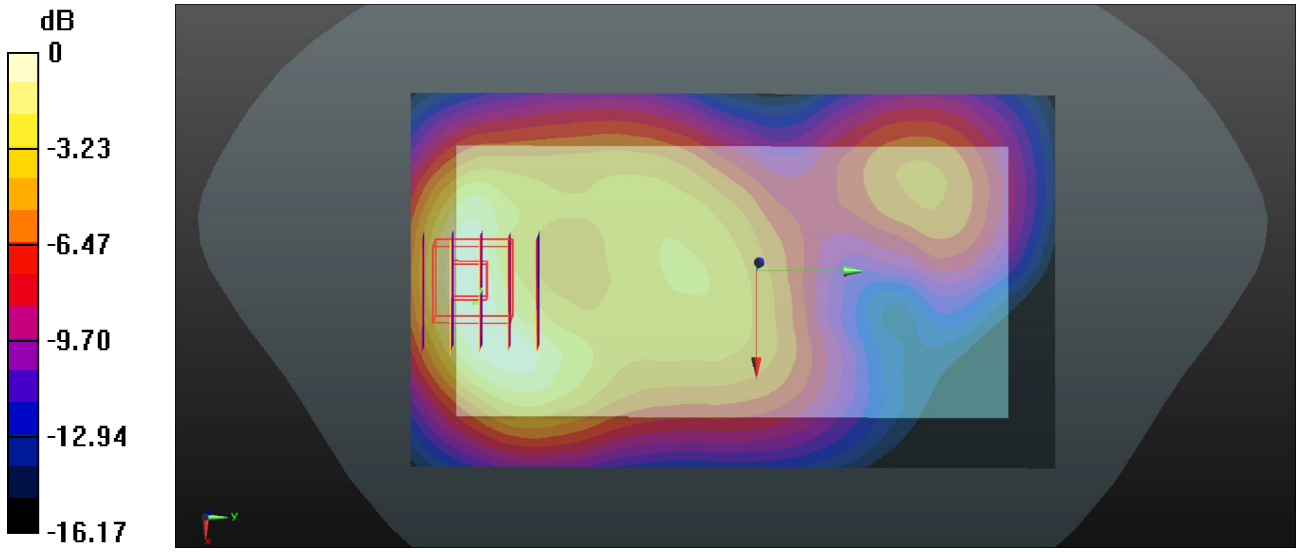
34_GSM1900_GPRS(3 Tx slots)_Back_15mm_Ch810

Communication System: UID 0, GPRS (GMSK 3 Tx slot) (0); Frequency: 1909.8 MHz;Duty Cycle1:2.77
Medium: MSL_1900_2017/07/25 Medium parameters used: f = 1909.8 MHz; σ = 1.546 S/m;
ε_r = 52.396; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature ：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.18, 8.18, 8.18); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch810/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.451 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.590 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.510 W/kg
SAR(1 g) = 0.311 W/kg; SAR(10 g) = 0.177 W/kg
Maximum value of SAR (measured) = 0.434 W/kg



0 dB = 0.434 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/23

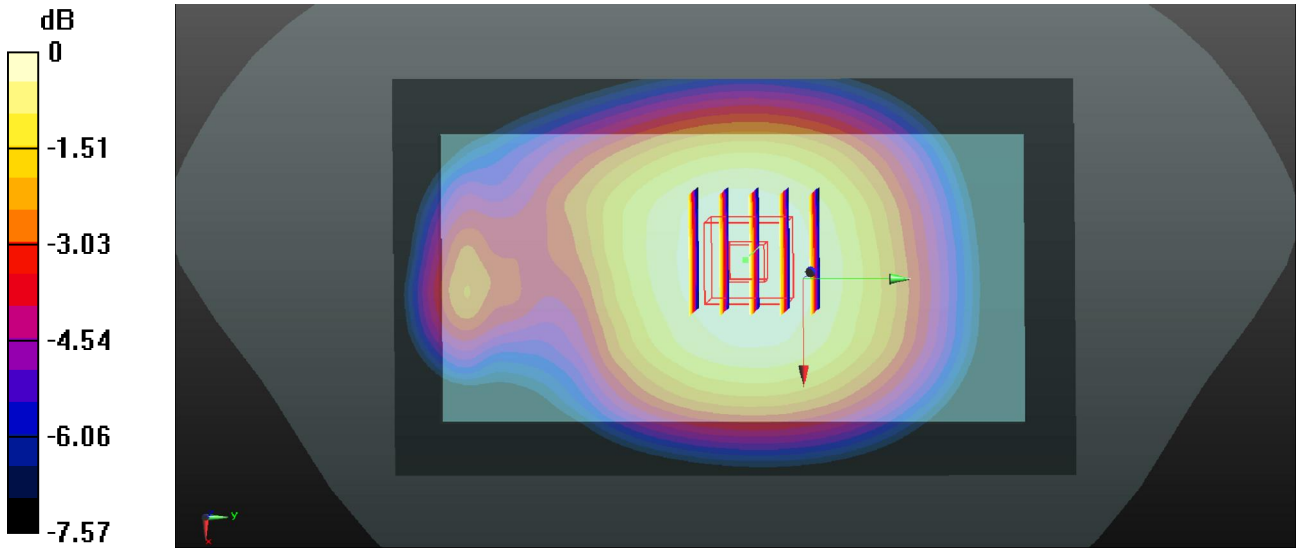
35_WCDMA Band V_RMC 12.2Kbps_Back_15mm_Ch4233

Communication System: UID 0, WCDMA (0); Frequency: 846.6 MHz;Duty Cycle: 1:1
Medium: MSL_835_2017/07/23 Medium parameters used: f = 846.6 MHz; σ = 1.025 S/m;
ε_r = 55.829;ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.48, 10.48, 10.48); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch4233/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.596 W/kg

Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.91 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.651 W/kg
SAR(1 g) = 0.494 W/kg; SAR(10 g) = 0.382 W/kg
Maximum value of SAR (measured) = 0.595 W/kg



0 dB = 0.595 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/22

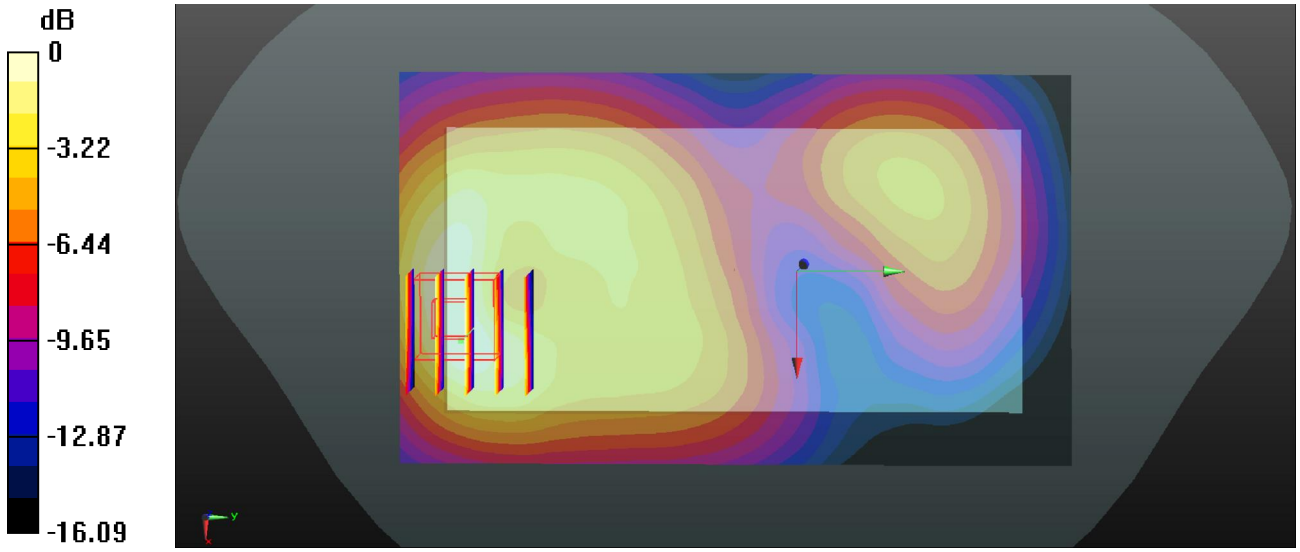
36_WCDMA Band IV_RMC 12.2Kbps_Back_15mm_Ch1513

Communication System: UID 0, WCDMA (0); Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: MSL_1750_2017/07/22 Medium parameters used: f = 1752.6 MHz; σ = 1.518 S/m; ε_r =53.684; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature ：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.46, 8.46, 8.46); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1513/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.629 W/kg

Ch1513/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.865 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.725 W/kg
SAR(1 g) = 0.434 W/kg; SAR(10 g) = 0.251 W/kg
Maximum value of SAR (measured) = 0.620 W/kg



0 dB = 0.620 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/25

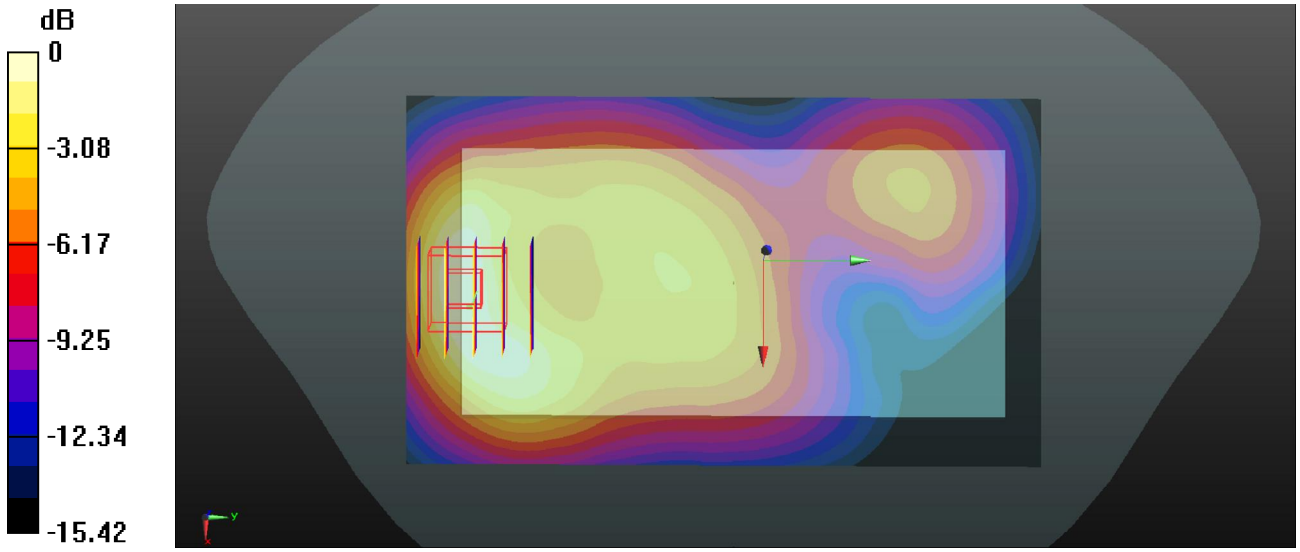
37_WCDMA Band II_RMC 12.2Kbps_Back_15mm_Ch9538

Communication System: UID 0, WCDMA (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium: MSL_1900_2017/07/25 Medium parameters used: f = 1907.6 MHz; σ = 1.544 S/m; ε_r =52.419; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature ：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.18, 8.18, 8.18); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch9538/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.576 W/kg

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.39 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.639 W/kg
SAR(1 g) = 0.392 W/kg; SAR(10 g) = 0.226 W/kg
Maximum value of SAR (measured) = 0.544 W/kg



0 dB = 0.544 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/23

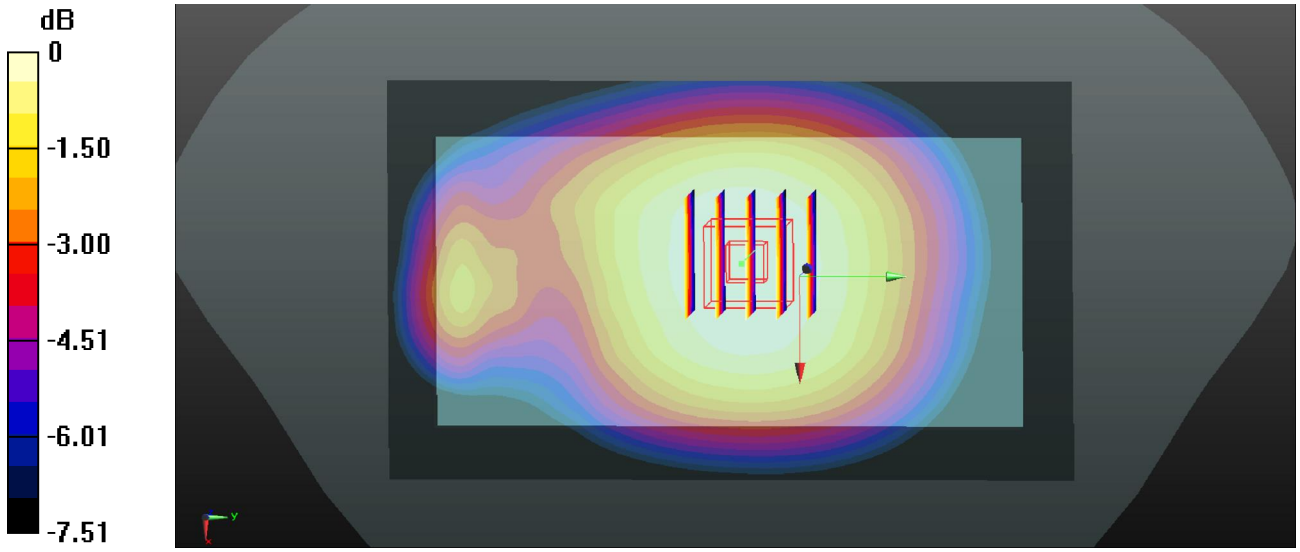
38_CDMA2000 BC0_RC3 SO32 (F+SCH) _Back_15mm_Ch777

Communication System: UID 0, CDMA2000 (0); Frequency: 848.31 MHz;Duty Cycle: 1:1
Medium: MSL_835_2017/07/23 Medium parameters used: f = 848.31 MHz; σ = 1.026 S/m; ε_r =55.816; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.48, 10.48, 10.48); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch777/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.573 W/kg

Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.39 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.616 W/kg
SAR(1 g) = 0.464 W/kg; SAR(10 g) = 0.358 W/kg
Maximum value of SAR (measured) = 0.562 W/kg



0 dB = 0.562 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/23

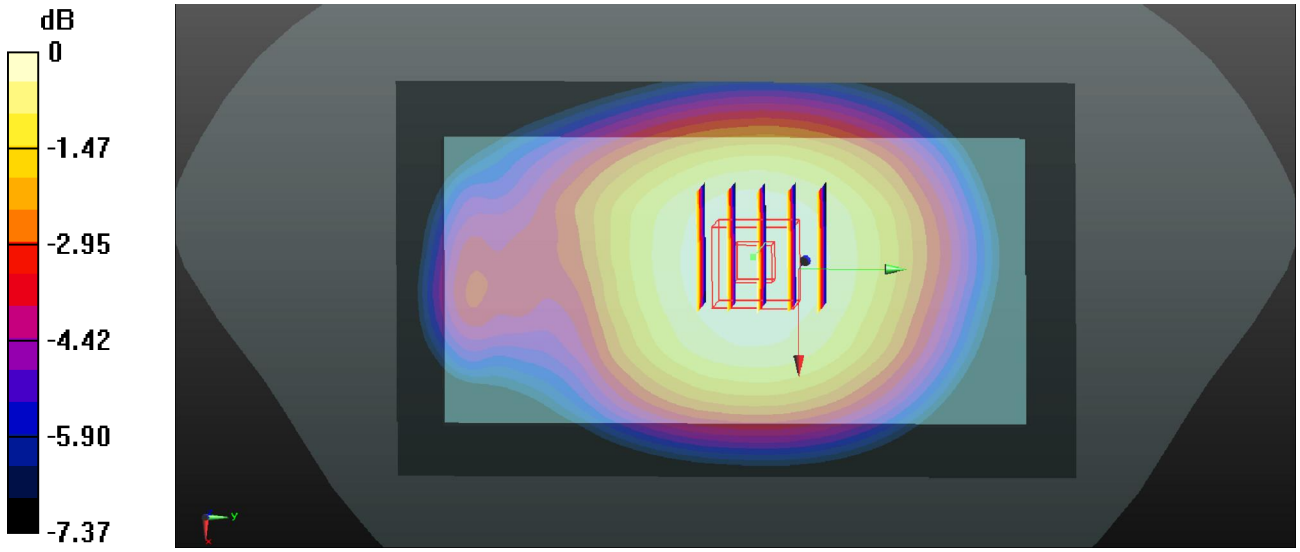
39_CDMA2000 BC10_RC3 SO32 (F+SCH)_Back_15mm_Ch476

Communication System: UID 0, CDMA2000 (0); Frequency: 817.9 MHz;Duty Cycle: 1:1
Medium: MSL_835_2017/07/23 Medium parameters used: f = 817.9 MHz; σ = 0.997 S/m;
ε_r = 56.118;ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.48, 10.48, 10.48); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch476/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.689 W/kg

Ch476/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.95 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.748 W/kg
SAR(1 g) = 0.572 W/kg; SAR(10 g) = 0.444 W/kg
Maximum value of SAR (measured) = 0.684 W/kg



0 dB = 0.684 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/25

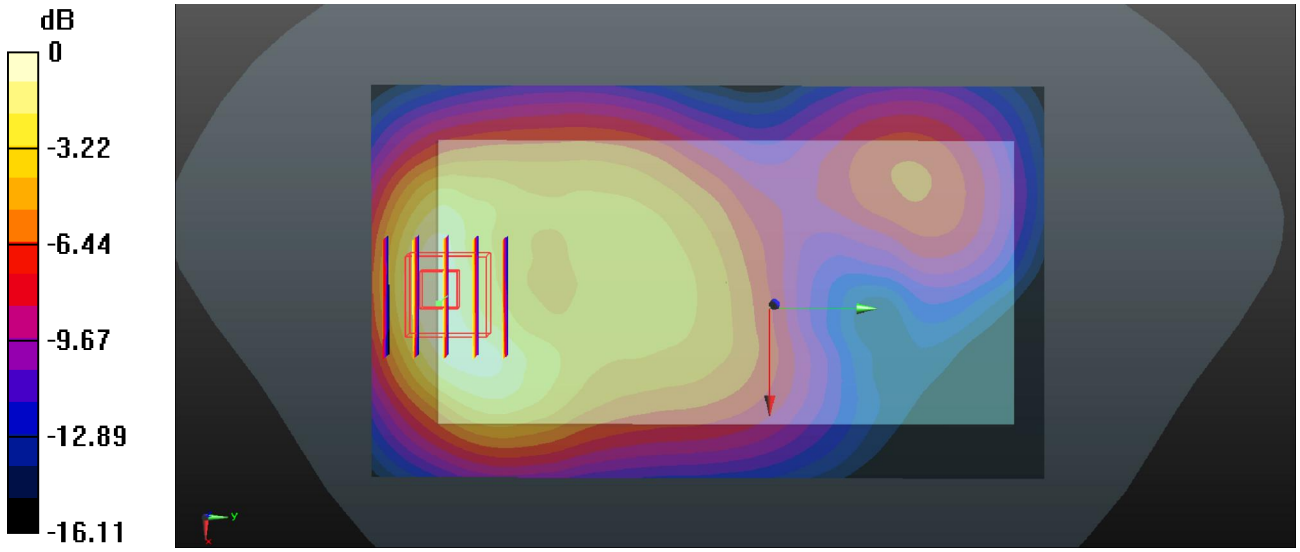
40_CDMA2000 BC1_RC3 SO32 (F+SCH)_Back_15mm_Ch600

Communication System: UID 0, CDMA2000 (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium: MSL_1900_2017/07/25 Medium parameters used: f = 1880 MHz; σ = 1.524 S/m; ε_r =52.666; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature ：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.18, 8.18, 8.18); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch600/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.669 W/kg

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.06 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.758 W/kg
SAR(1 g) = 0.464 W/kg; SAR(10 g) = 0.268 W/kg
Maximum value of SAR (measured) = 0.664 W/kg



0 dB = 0.664 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/27

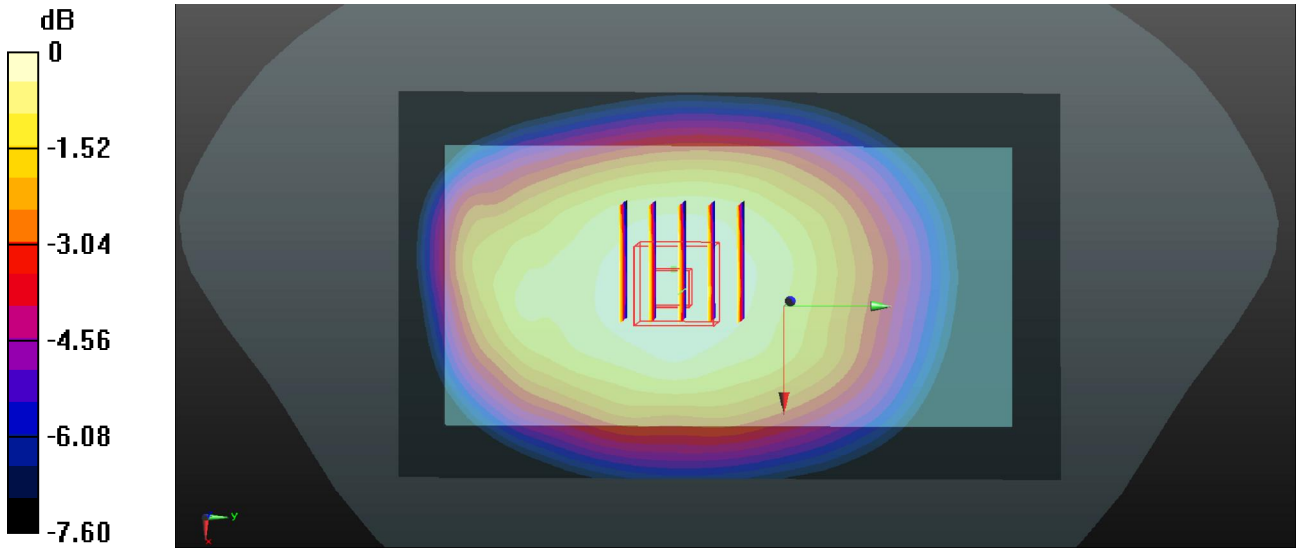
41_LTE Band 12_10M_QPSK_1RB_25offset_Back_15mm_Ch23095

Communication System: UID 0, FDD-LTE (0); Frequency: 707.5 MHz;Duty Cycle: 1:1
Medium: MSL_750_2017/07/27 Medium parameters used: f = 707.5 MHz; σ = 0.925 S/m;
ε_r =55.487; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.68, 10.68, 10.68); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23095/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.315 W/kg

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.87 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.337 W/kg
SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.207 W/kg
Maximum value of SAR (measured) = 0.313 W/kg



0 dB = 0.313 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/27

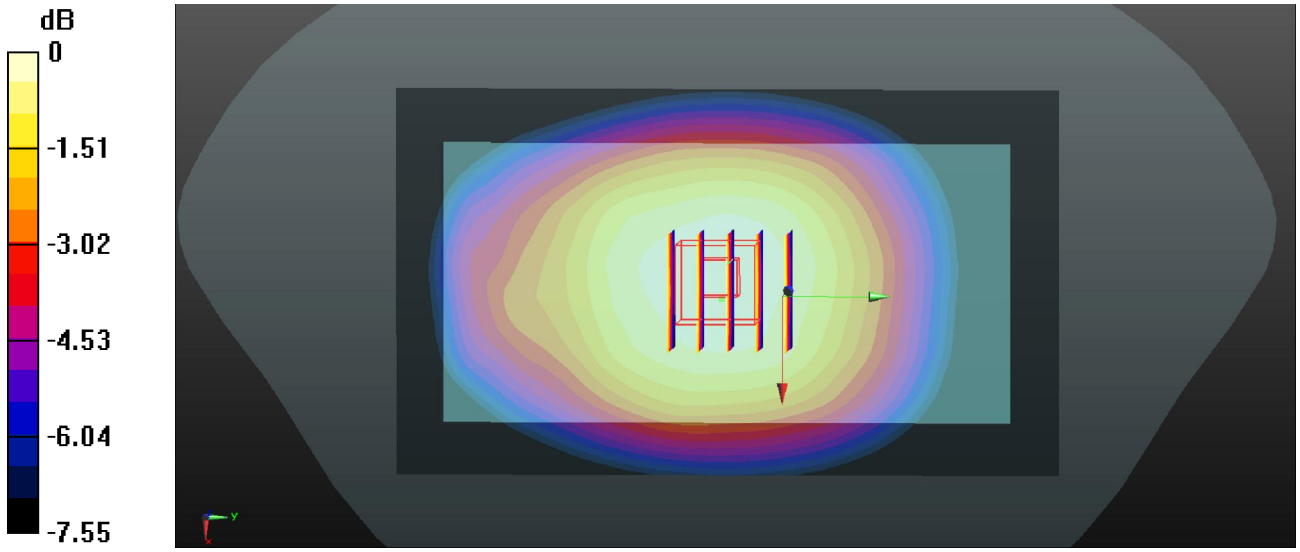
42_LTE Band 13_10M_QPSK_1RB_25offset_Back_15mm_Ch23230

Communication System: UID 0, FDD-LTE (0); Frequency: 782 MHz;Duty Cycle: 1:1
Medium: MSL_750_2017/07/27 Medium parameters used: f = 782 MHz; σ = 0.995 S/m;
ε_r = 54.695;ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.68, 10.68, 10.68); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch23230/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.528 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 20.78 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.560 W/kg
SAR(1 g) = 0.433 W/kg; SAR(10 g) = 0.333 W/kg
Maximum value of SAR (measured) = 0.520 W/kg



0 dB = 0.520 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/23

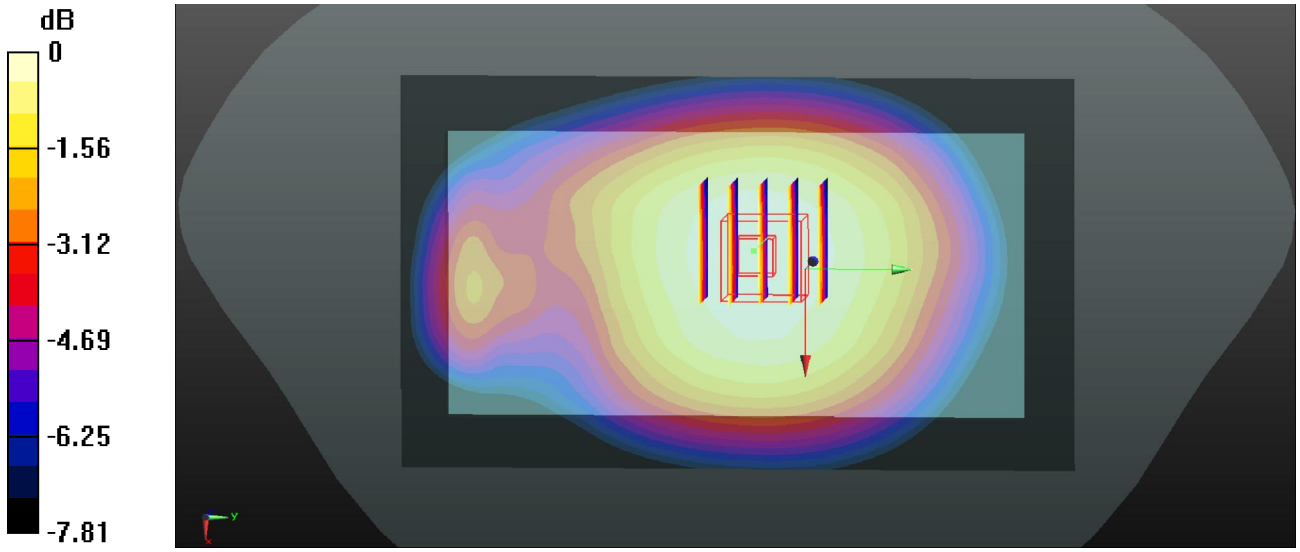
43_LTE Band 26_15M_QPSK_1RB_37offset_Back_15mm_Ch26865

Communication System: UID 0, FDD-LTE (0); Frequency: 831.5 MHz;Duty Cycle: 1:1
Medium: MSL_835_2017/07/23 Medium parameters used: f = 831.5 MHz; σ = 1.01 S/m;
ε_r = 55.976;ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(10.48, 10.48, 10.48); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26865/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.559 W/kg

Ch26865/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 21.47 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.613 W/kg
SAR(1 g) = 0.465 W/kg; SAR(10 g) = 0.361 W/kg
Maximum value of SAR (measured) = 0.561 W/kg



0 dB = 0.561 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/22

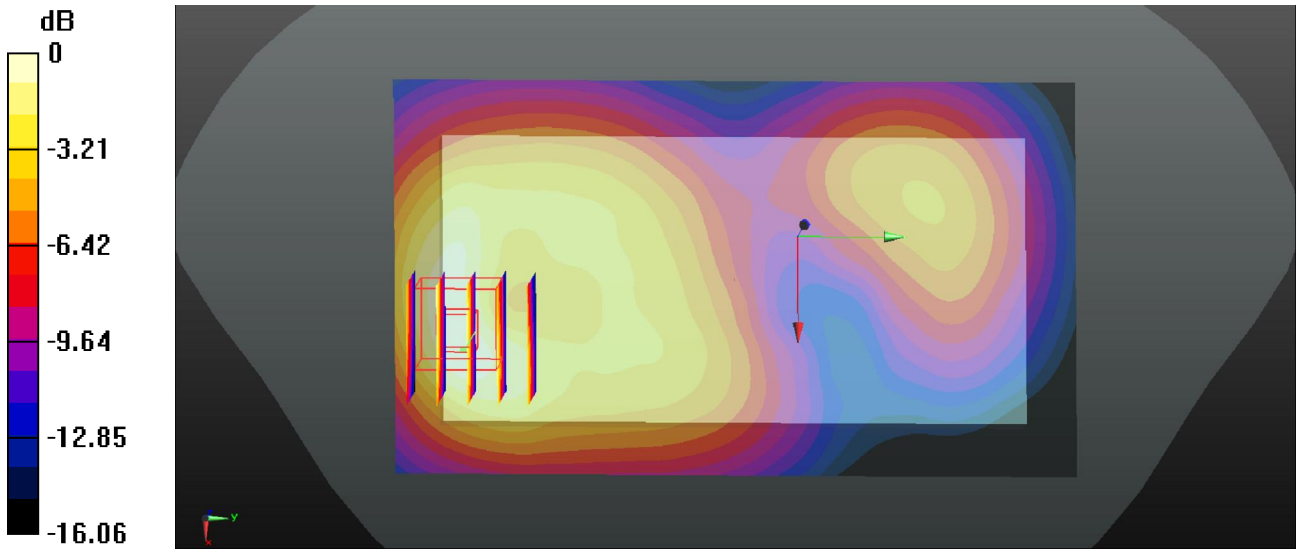
44_LTE Band 4_20M_QPSK_1RB_49offset_Back_15mm_Ch20175

Communication System: UID 0, FDD-LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1750_2017/07/22 Medium parameters used: f = 1732.5 MHz; σ = 1.496 S/m; ε_r =53.752; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature ：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.46, 8.46, 8.46); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.676 W/kg

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.265 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.801 W/kg
SAR(1 g) = 0.470 W/kg; SAR(10 g) = 0.272 W/kg
Maximum value of SAR (measured) = 0.686 W/kg



0 dB = 0.686 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/25

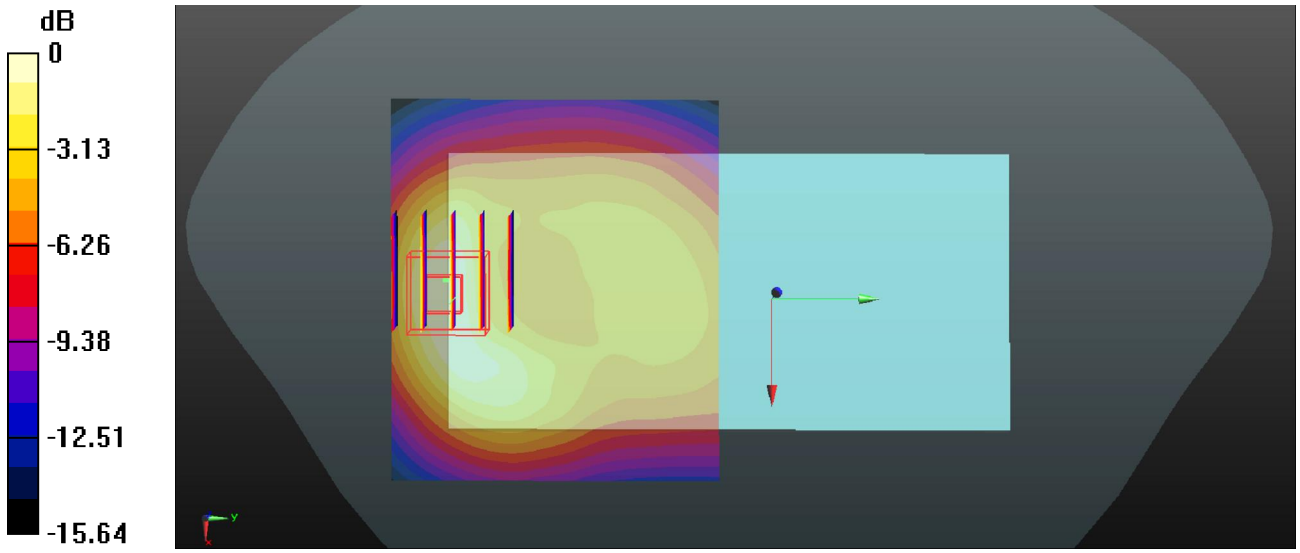
45_LTE Band 25_20M_QPSK_1RB_49offset_Back_15mm_Ch26590

Communication System: UID 0, FDD-LTE (0); Frequency: 1905 MHz;Duty Cycle: 1:1
Medium: MSL_1900_2017/07/25 Medium parameters used: f = 1905 MHz; σ = 1.54 S/m;
ε_r =52.453; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature ：22.6 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.18, 8.18, 8.18); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch26590/Area Scan (71x61x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.564 W/kg

Ch26590/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.353 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.651 W/kg
SAR(1 g) = 0.398 W/kg; SAR(10 g) = 0.226 W/kg
Maximum value of SAR (measured) = 0.568 W/kg



0 dB = 0.568 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/28

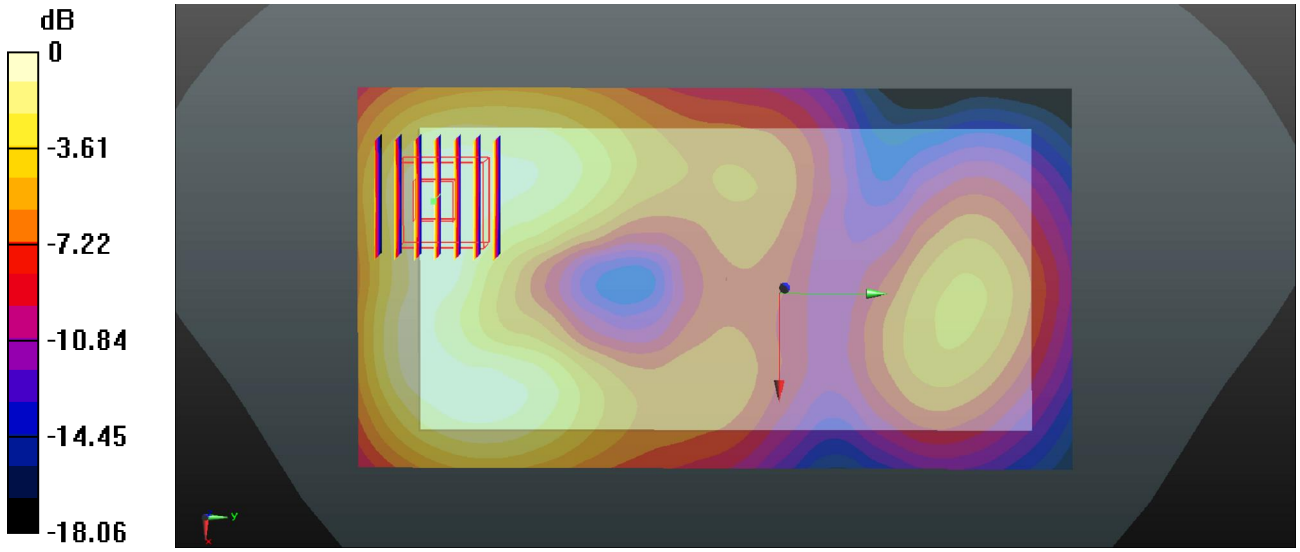
46_LTE Band 7_20M_QPSK_1RB_49offset_Back_15mm_Ch21350

Communication System: UID 0, FDD-LTE (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium: MSL_2600_2017/07/28 Medium parameters used: f = 2560 MHz; σ = 2.094 S/m;
ε_r =51.122; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃; Liquid Temperature ：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(7.67, 7.67, 7.67); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch21350/Area Scan (81x151x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.590 W/kg

Ch21350/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.031 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.720 W/kg
SAR(1 g) = 0.405 W/kg; SAR(10 g) = 0.225 W/kg
Maximum value of SAR (measured) = 0.599 W/kg



0 dB = 0.599 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/28

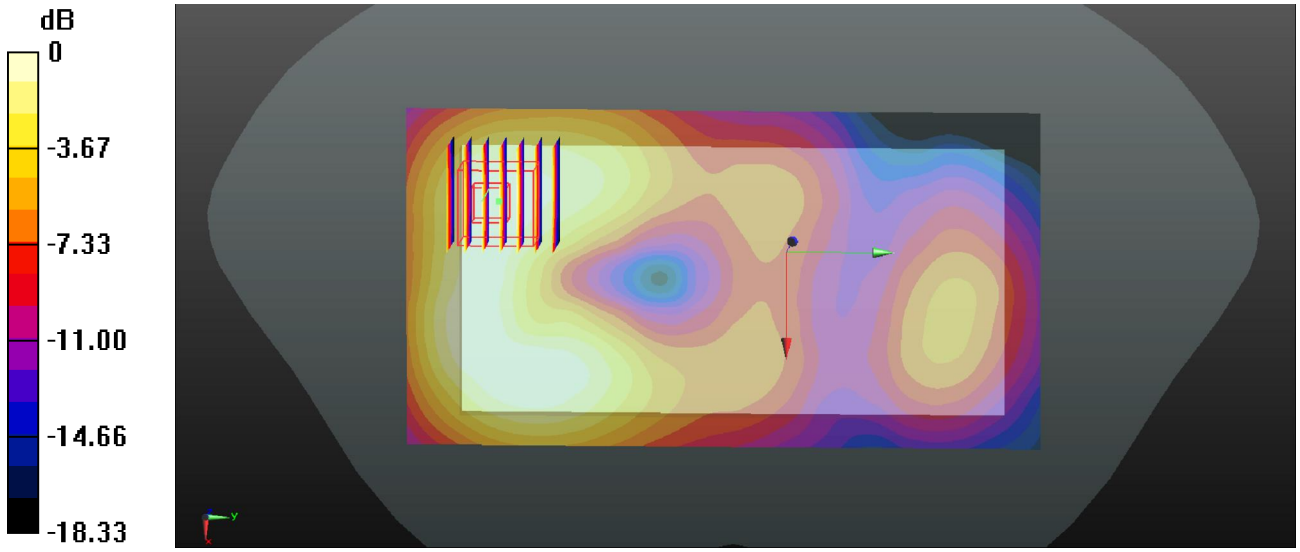
47_LTE Band 41_20M_QPSK_1RB_0offset_Back_15mm_Ch41490_Power Class 2

Communication System: UID 0, TDD-LTE (0); Frequency: 2680 MHz;Duty Cycle: 1:2.33
Medium: MSL_2600_2017/07/28 Medium parameters used: f = 2680 MHz; σ = 2.263 S/m;
ε_r =50.716; ρ = 1000 kg/m^3
Ambient Temperature：23.9 ℃; Liquid Temperature ：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(7.67, 7.67, 7.67); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch41490/Area Scan (81x151x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.486 W/kg

Ch41490/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.487 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.570 W/kg
SAR(1 g) = 0.307 W/kg; SAR(10 g) = 0.166 W/kg
Maximum value of SAR (measured) = 0.465 W/kg



0 dB = 0.465 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/8/14

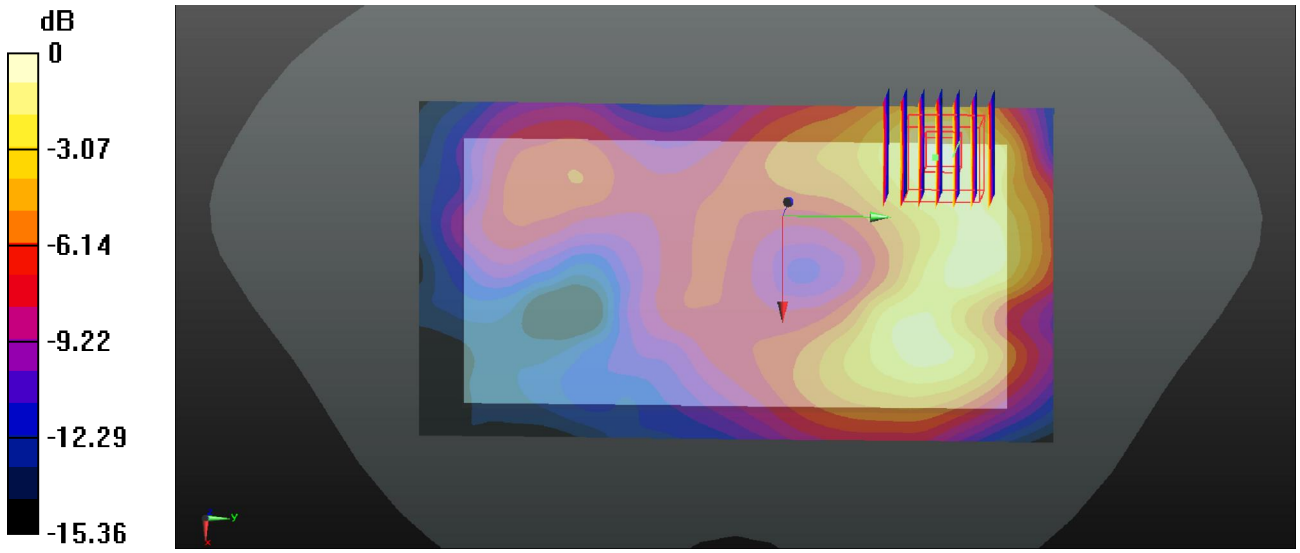
48_WLAN2.4GHz_802.11b 1Mbps_Back_15mm_Ch6

Communication System: UID 0, 802.11b (0); Frequency: 2437 MHz;Duty Cycle: 1:1.021
Medium: MSL_2450_2017/08/14 Medium parameters used: f = 2437 MHz; σ = 1.967 S/m; ε_r =51.218; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature ：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(7.89, 7.89, 7.89); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1753
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (81x151x1): Interpolated grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.0915 W/kg

Ch6/Zoom Scan (7x7x5)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.773 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.129 W/kg
SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.034 W/kg
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: 2017/7/22

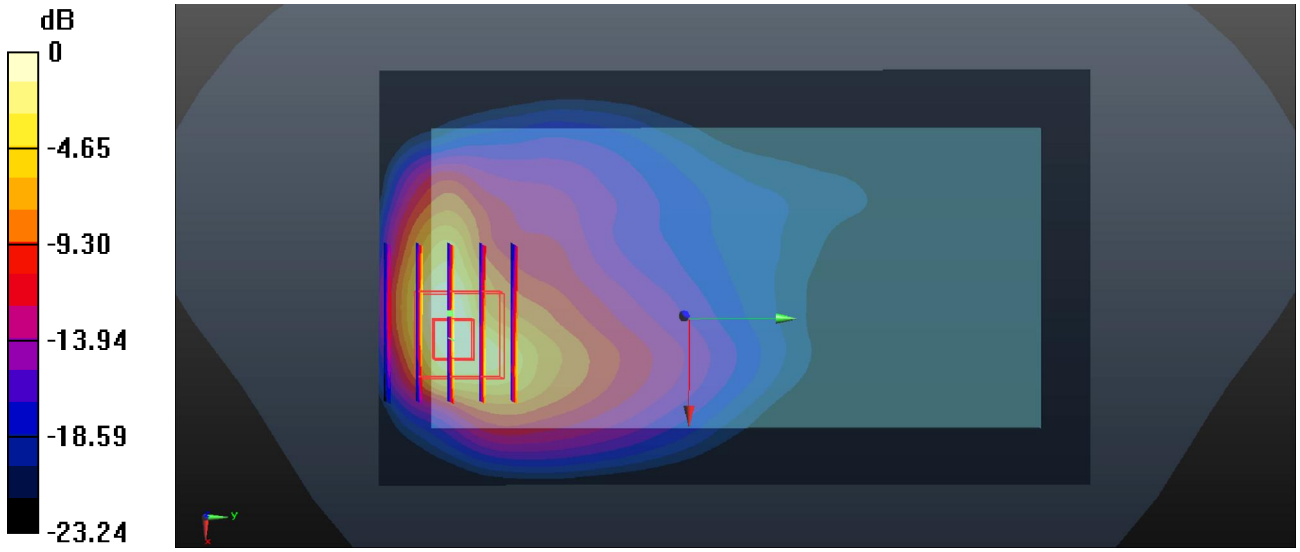
49_WCDMA Band IV_RMC 12.2Kbps_Back_0mm_Ch1513

Communication System: UID 0, WCDMA (0); Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium: MSL_1750_2017/07/22 Medium parameters used: f = 1752.6 MHz; σ = 1.518 S/m; ε_r =53.684; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature ：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.46, 8.46, 8.46); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch1513/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 14.1 W/kg

Ch1513/Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.700 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 16.8 W/kg
SAR(1 g) = 6.53 W/kg; SAR(10 g) = 2.8 W/kg
Maximum value of SAR (measured) = 13.0 W/kg



0 dB = 13.0 W/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/7/22

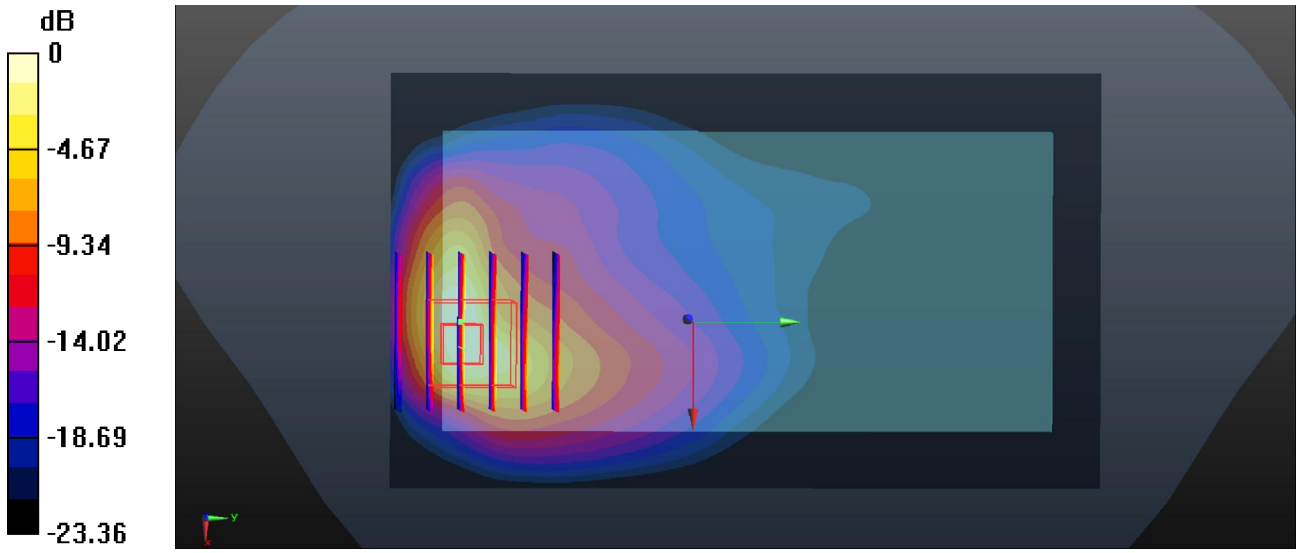
50_LTE Band 4_20M_QPSK_1RB_49offset_Back_0mm_Ch20175

Communication System: UID 0, FDD-LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium: MSL_1750_2017/07/22 Medium parameters used: f = 1732.5 MHz; σ = 1.496 S/m; ε_r =53.752; ρ = 1000 kg/m^3
Ambient Temperature：23.6 ℃; Liquid Temperature ：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3935; ConvF(8.46, 8.46, 8.46); Calibrated: 2016/11/28;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 2016/9/5
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1754
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch20175/Area Scan (71x121x1): Interpolated grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 14.3 W/kg

Ch20175/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.239 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 16.6 W/kg
SAR(1 g) = 6.47 W/kg; SAR(10 g) = 2.79 W/kg
Maximum value of SAR (measured) = 13.1 W/kg



0 dB = 13.1 W/kg

Appendix C. DASY Calibration Certificate

The DASY calibration certificates are shown as follows.