Appendix B. Plots of High SAR Measurement

The plots are shown as follows.

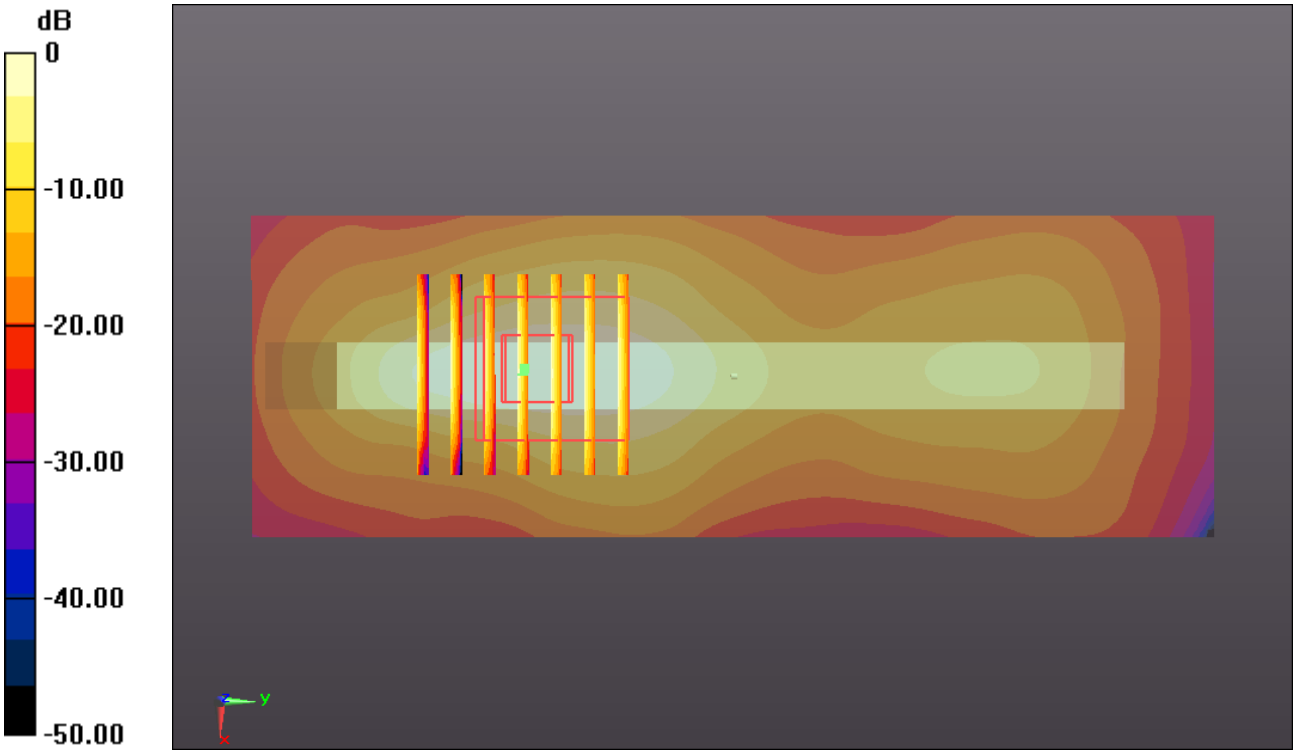
#01_WLAN2.4GHz_802.11b_1M_Edge1 0cm_Ch11

Communication System: WIFI (0); Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: MSL_2450_170421 Medium parameters used: f = 2462 MHz; σ = 1.957 mho/m; ε_r = 50.885; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃； Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(7, 7, 7); Calibrated: 2013.06.20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (41x121x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.320 mW/g

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.787 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 1.816 W/kg
SAR(1 g) = 0.779 mW/g; SAR(10 g) = 0.333 mW/g
Maximum value of SAR (measured) = 1.263 mW/g



0 dB = 1.260mW/g

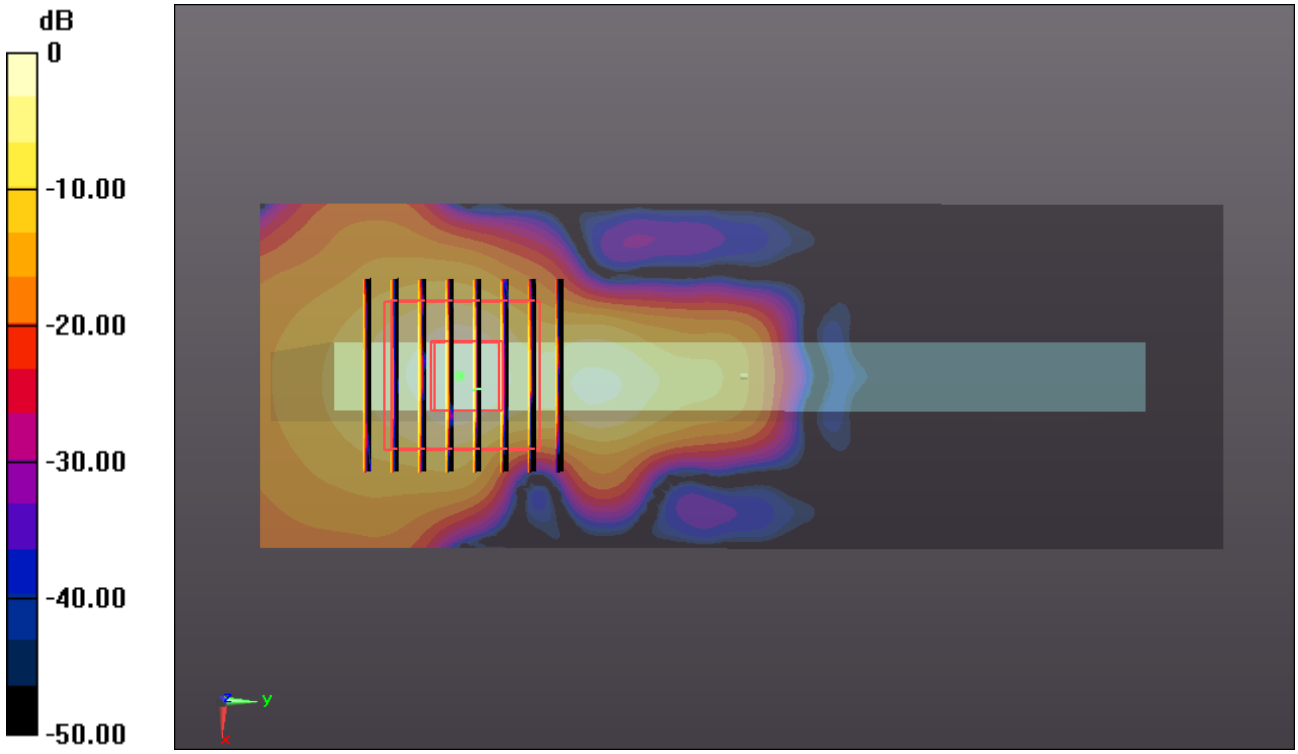
#02_WLAN 5.8GHz_802.11n-HT40_MCS0_Edge1 0cm_Ch151

Communication System: WIFI (0); Frequency: 5755 MHz;Duty Cycle: 1:1.156
Medium: MSL_5000_140506 Medium parameters used: f = 5755 MHz; σ = 6.047 mho/m; ε_r = 47.108; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃； Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(4.48, 4.48, 4.48); Calibrated: 2013.06.20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.4.5 (3634)

Ch151/Area Scan (51x141x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 2.549 mW/g

Ch151/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 3.219 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 5.549 W/kg
SAR(1 g) = 1.030 mW/g; SAR(10 g) = 0.249 mW/g
Maximum value of SAR (measured) = 2.679 mW/g



0 dB = 2.550mW/g

#03_WLAN 5.2GHz_802.11ac-VTH80_MCS0_Edge1 0cm_Ch42

Communication System: WIFI (0); Frequency: 5210 MHz;Duty Cycle: 1:1.299

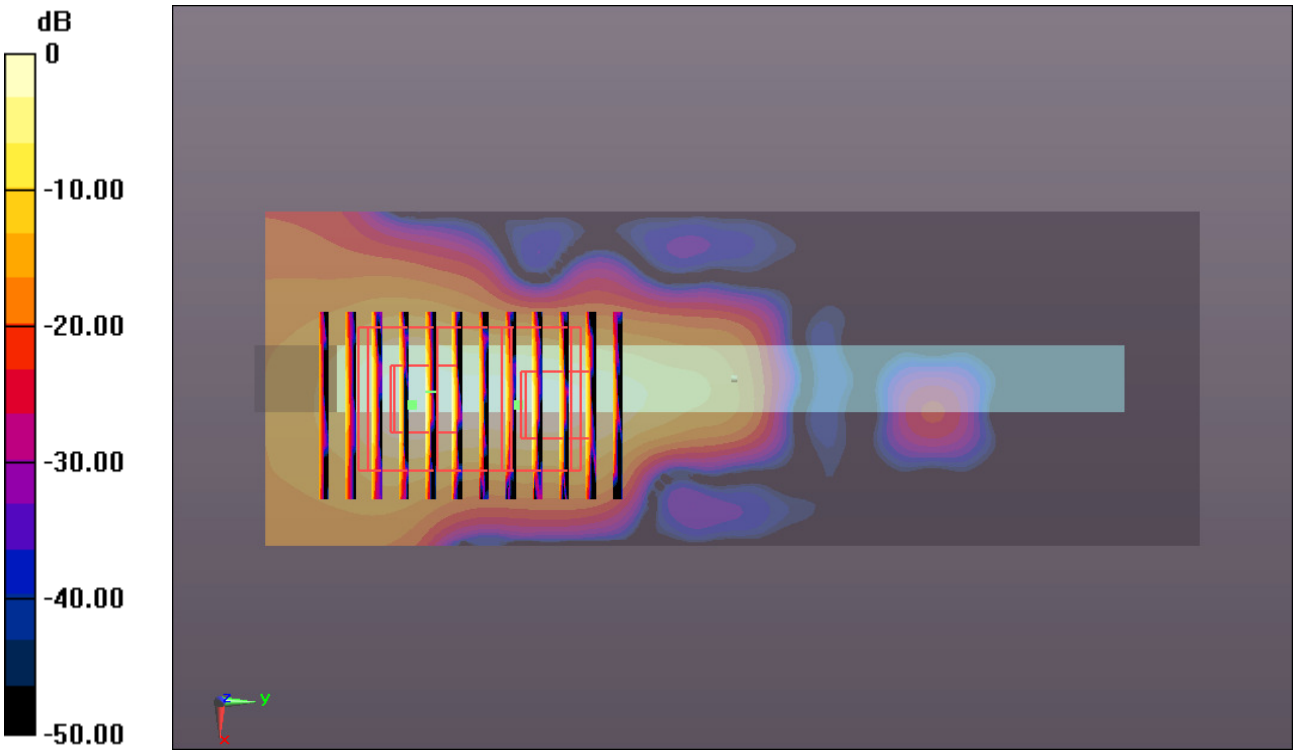
Medium: MSL_5000_140506 Medium parameters used: f = 5210 MHz; σ = 5.28 mho/m; ε_r = 48.287; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃； Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(4.62, 4.62, 4.62); Calibrated: 2013.06.20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.4.5 (3634)

Ch42/Area Scan (51x141x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 2.599 mW/g

Ch42/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 3.306 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 5.144 W/kg
SAR(1 g) = 1.080 mW/g; SAR(10 g) = 0.255 mW/g
Maximum value of SAR (measured) = 2.885 mW/g

Ch42/Zoom Scan (8x8x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 3.306 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 5.058 W/kg
SAR(1 g) = 0.810 mW/g; SAR(10 g) = 0.228 mW/g
Maximum value of SAR (measured) = 2.886 mW/g



0 dB = 2.600mW/g

#04_WLAN 5.3GHz_802.11n-HT40_MCS0_Edge1 0cm_Ch62

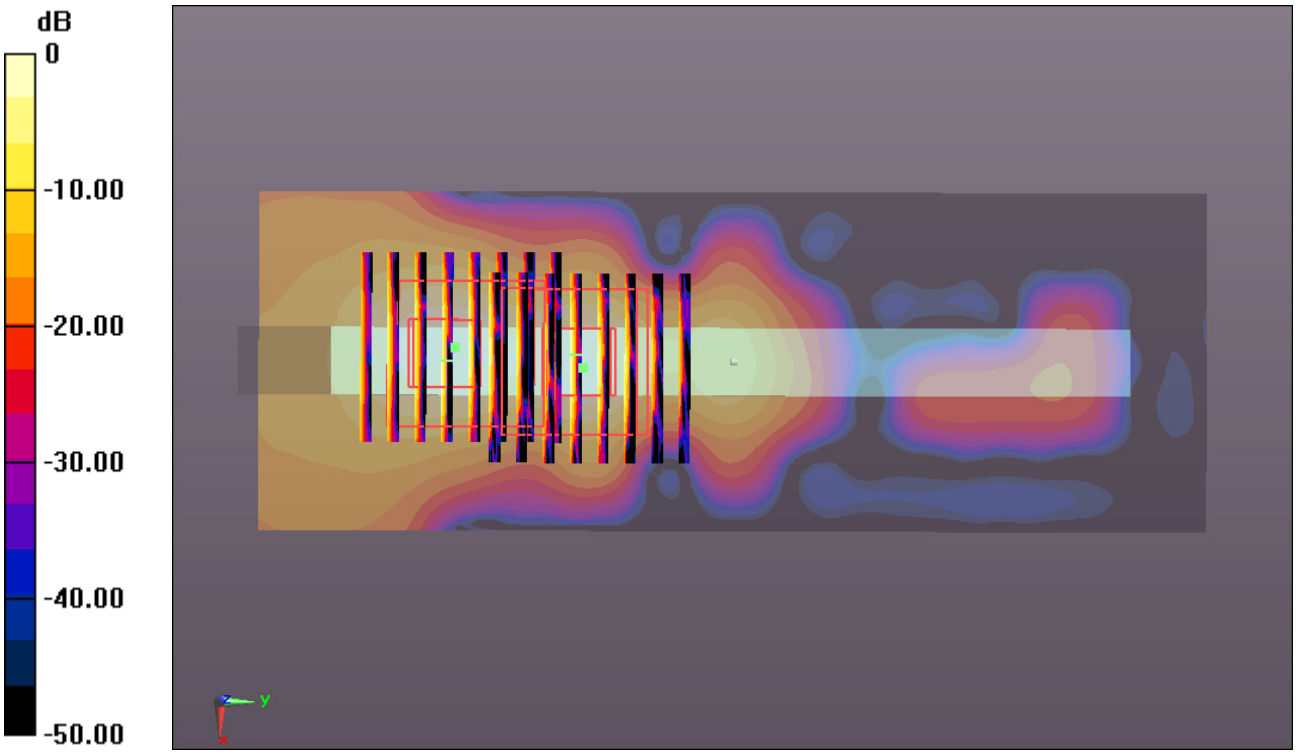
Communication System: WIFI (0); Frequency: 5310 MHz;Duty Cycle: 1:1.156
Medium: MSL_5000_140506 Medium parameters used: f = 5310 MHz; σ = 5.419 mho/m; ε_r = 48.063; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(4.35, 4.35, 4.35); Calibrated: 2013.06.20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.4.5 (3634)

Ch62/Area Scan (51x141x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 2.607 mW/g

Ch62/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 6.461 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 5.235 W/kg
SAR(1 g) = 1.170 mW/g; SAR(10 g) = 0.284 mW/g
Maximum value of SAR (measured) = 3.166 mW/g

Ch62/Zoom Scan (8x8x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 6.461 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 4.187 W/kg
SAR(1 g) = 0.995 mW/g; SAR(10 g) = 0.239 mW/g
Maximum value of SAR (measured) = 2.549 mW/g



0 dB = 2.610mW/g

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2014.05.06

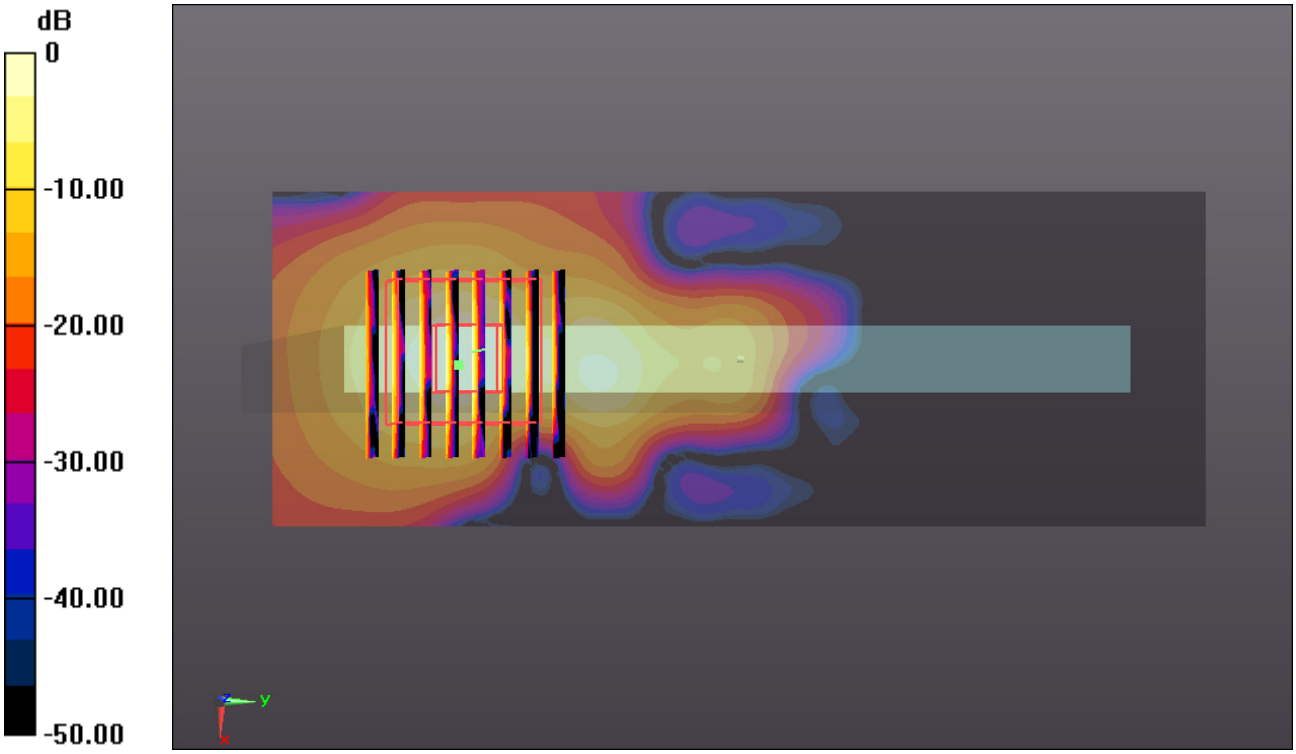
#05_WLAN 5.5GHz_802.11a_6M_Edge1 0cm_Ch116

Communication System: WIFI (0); Frequency: 5580 MHz;Duty Cycle: 1:1.064
Medium: MSL_5000_140506 Medium parameters used: f = 5580 MHz; σ = 5.804 mho/m; ε_r = 47.49; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃； Liquid Temperature：22.8 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3857; ConvF(4.02, 4.02, 4.02); Calibrated: 2013.06.20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2013.06.19
- Phantom: SAM3; Type: SAM; Serial: TP-1079
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.4.5 (3634)

Ch116/Area Scan (51x141x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 3.329 mW/g

Ch116/Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 4.572 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 6.885 W/kg
SAR(1 g) = 1.320 mW/g; SAR(10 g) = 0.329 mW/g
Maximum value of SAR (measured) = 3.635 mW/g



0 dB = 3.330mW/g