Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/4/6

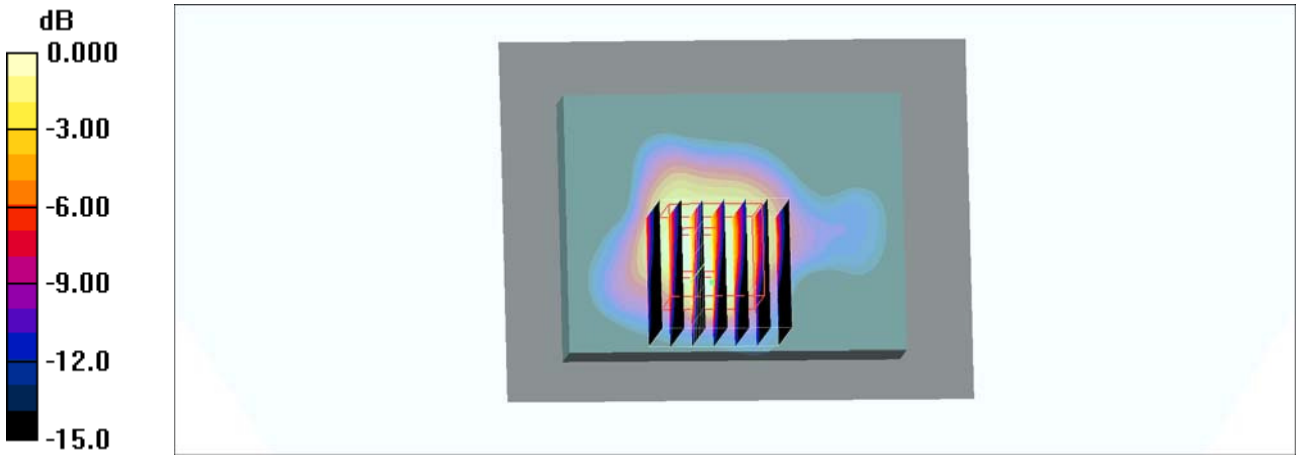
#01_WLAN2.4GHz_802.11b 1Mbps_Front_0mm_Ch6

Communication System: 802.11b ; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: MSL_2450_170406 Medium parameters used : f = 2437 MHz; σ = 1.96 mho/m; ε_r = 54.1; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3925; ConvF(7.64, 7.64, 7.64); Calibrated: 2016/5/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1815
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (71x91x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.61 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 16.7 V/m; Power Drift = 0.127 dB
Peak SAR (extrapolated) = 2.42 W/kg
SAR(1 g) = 0.917 mW/g; SAR(10 g) = 0.432 mW/g
Maximum value of SAR (measured) = 1.54 mW/g



0 dB = 1.54mW/g

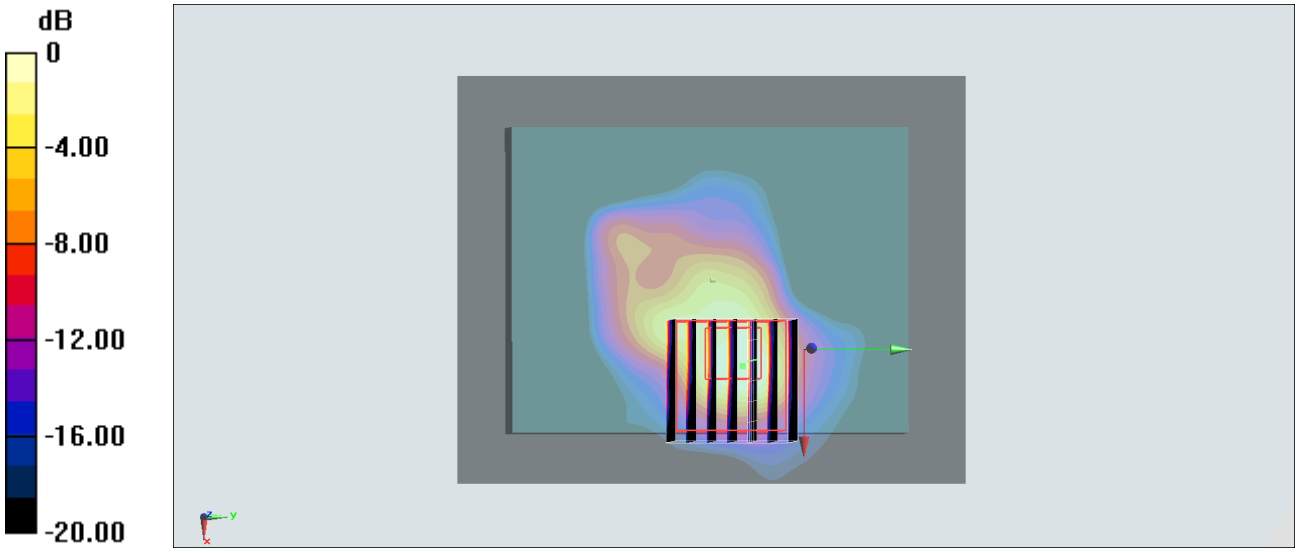
#02_WLAN5GHz_802.11ac-VHT80 MCS0_Front_0mm_Ch58

Communication System: 802.11ac; Frequency: 5290 MHz;Duty Cycle: 1:1.066
Medium: MSL_5G_170406 Medium parameters used: f = 5290 MHz; σ = 5.491 S/m; ε_r = 47.574; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(4.51, 4.51, 4.51); Calibrated: 2016/11/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM-Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7373)

Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.76 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 17.10 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.61 W/kg
SAR(1 g) = 0.859 W/kg; SAR(10 g) = 0.237 W/kg
Maximum value of SAR (measured) = 2.10 W/kg



0 dB = 2.10 W/kg = 3.22 dBW/kg

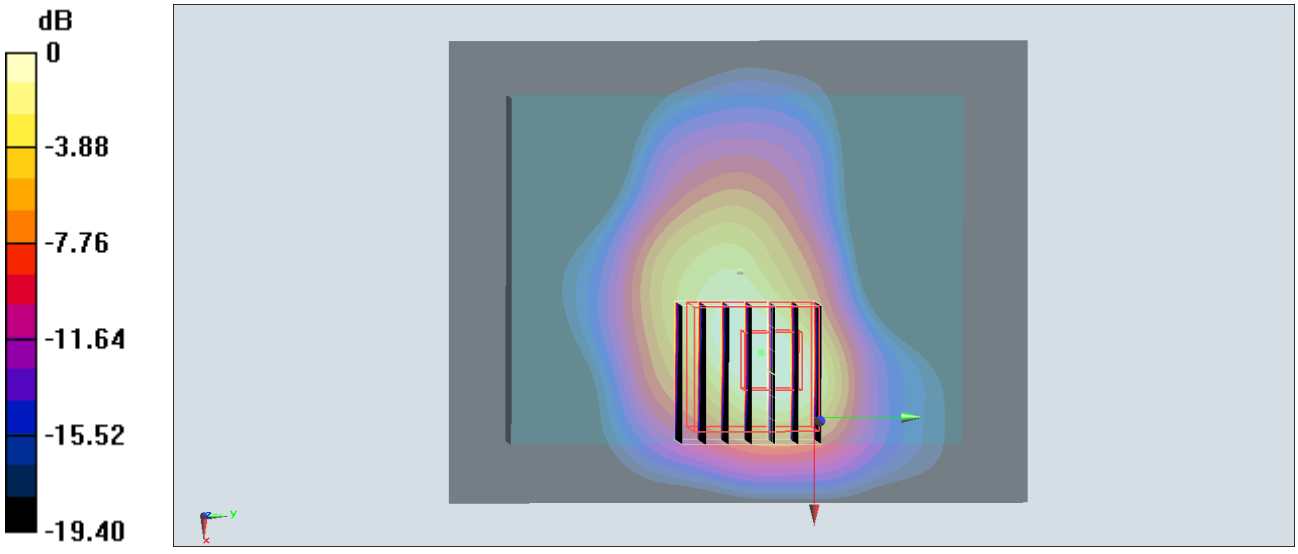
#03_WLAN5GHz_802.11ac-VHT80 MCS0_Front_0mm_Ch138

Communication System: 802.11ac; Frequency: 5690 MHz;Duty Cycle: 1:1.066
Medium: MSL_5G_170406 Medium parameters used: f = 5690 MHz; σ = 6.018 S/m; ε_r = 46.914; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(3.91, 3.91, 3.91); Calibrated: 2016/11/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM-Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7373)

Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 2.81 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 15.03 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 4.54 W/kg
SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.321 W/kg
Maximum value of SAR (measured) = 2.45 W/kg



0 dB = 2.45 W/kg = 3.89 dBW/kg

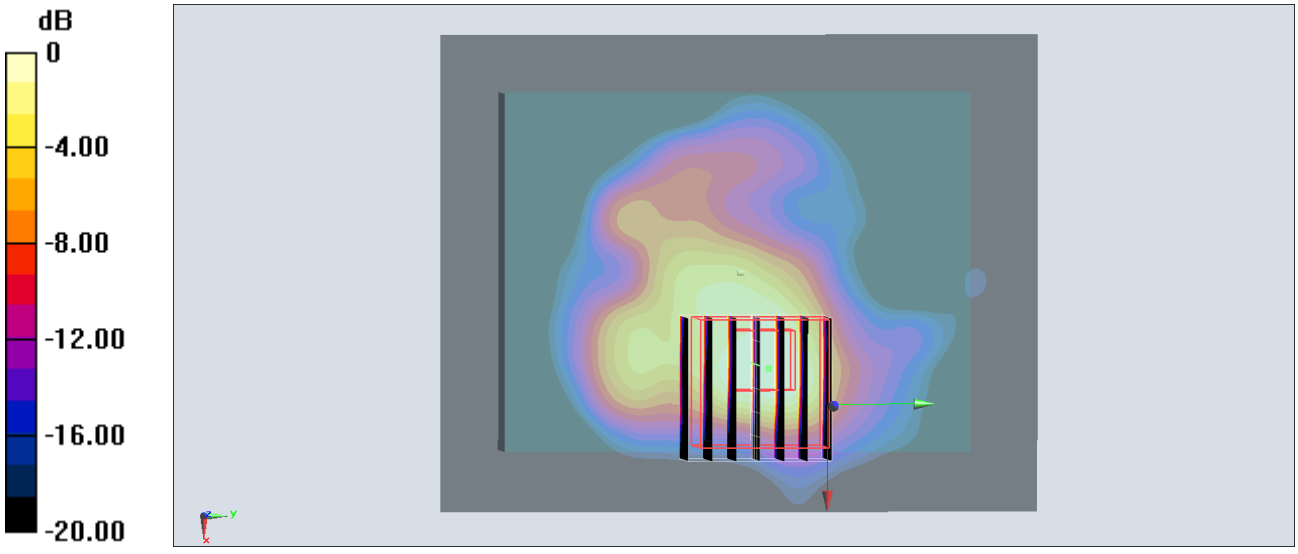
#04_WLAN5GHz_802.11ac-VHT80 MCS0_Front_0mm_Ch155

Communication System: 802.11ac; Frequency: 5775 MHz;Duty Cycle: 1:1.066
Medium: MSL_5G_170406 Medium parameters used: f = 5775 MHz; σ = 6.141 S/m; ε_r = 46.782; ρ = 1000 kg/m^3
Ambient Temperature：23.7 ℃; Liquid Temperature：22.7 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3955; ConvF(4.12, 4.12, 4.12); Calibrated: 2016/11/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2016/11/17
- Phantom: SAM-Right; Type: SAM; Serial: TP-1303
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7373)

Area Scan (81x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 3.24 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 16.71 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 4.35 W/kg
SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.283 W/kg
Maximum value of SAR (measured) = 2.47 W/kg



0 dB = 2.47 W/kg = 3.93 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2017/4/6

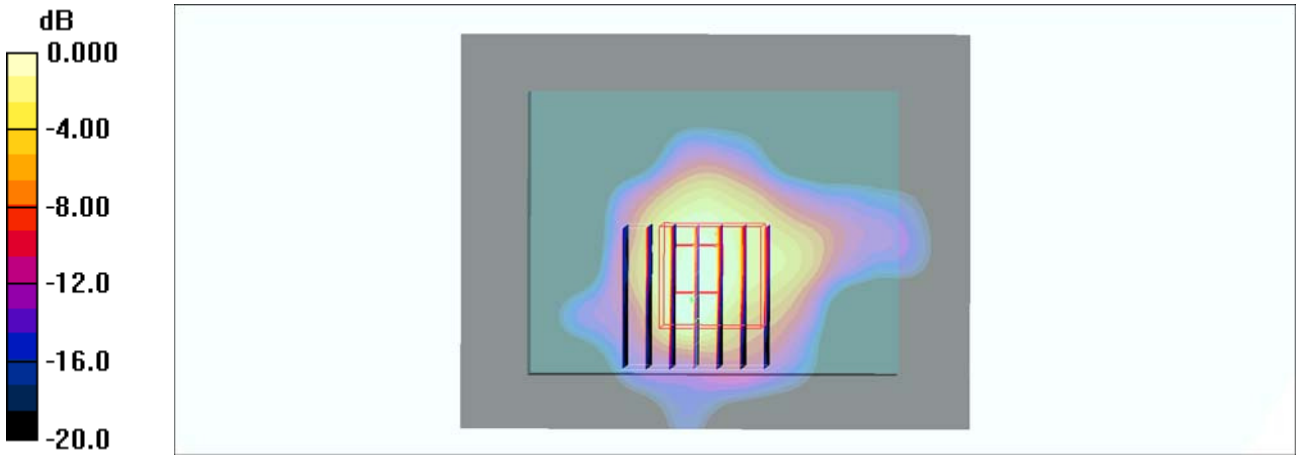
#05_Bluetooth_1Mbps_Front_0mm_Ch78

Communication System: Bluetooth; Frequency: 2480 MHz;Duty Cycle: 1:1.297
Medium: MSL_2450_170406 Medium parameters used: f = 2480 MHz; σ = 2.02 mho/m; ε_r = 54; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY4 Configuration:
- Probe: EX3DV4 - SN3925; ConvF(7.64, 7.64, 7.64); Calibrated: 2016/5/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- Phantom: SAM_Right; Type: QD000P40CD; Serial: TP:1815
- ;Postprocessing SW: SEMCAD, V1.8 Build 159

Area Scan (71x91x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 0.213 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.21 V/m; Power Drift = 0.181 dB
Peak SAR (extrapolated) = 0.254 W/kg
SAR(1 g) = 0.095 mW/g; SAR(10 g) = 0.045 mW/g
Maximum value of SAR (measured) = 0.178 mW/g



0 dB = 0.178mW/g