Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2015/4/22

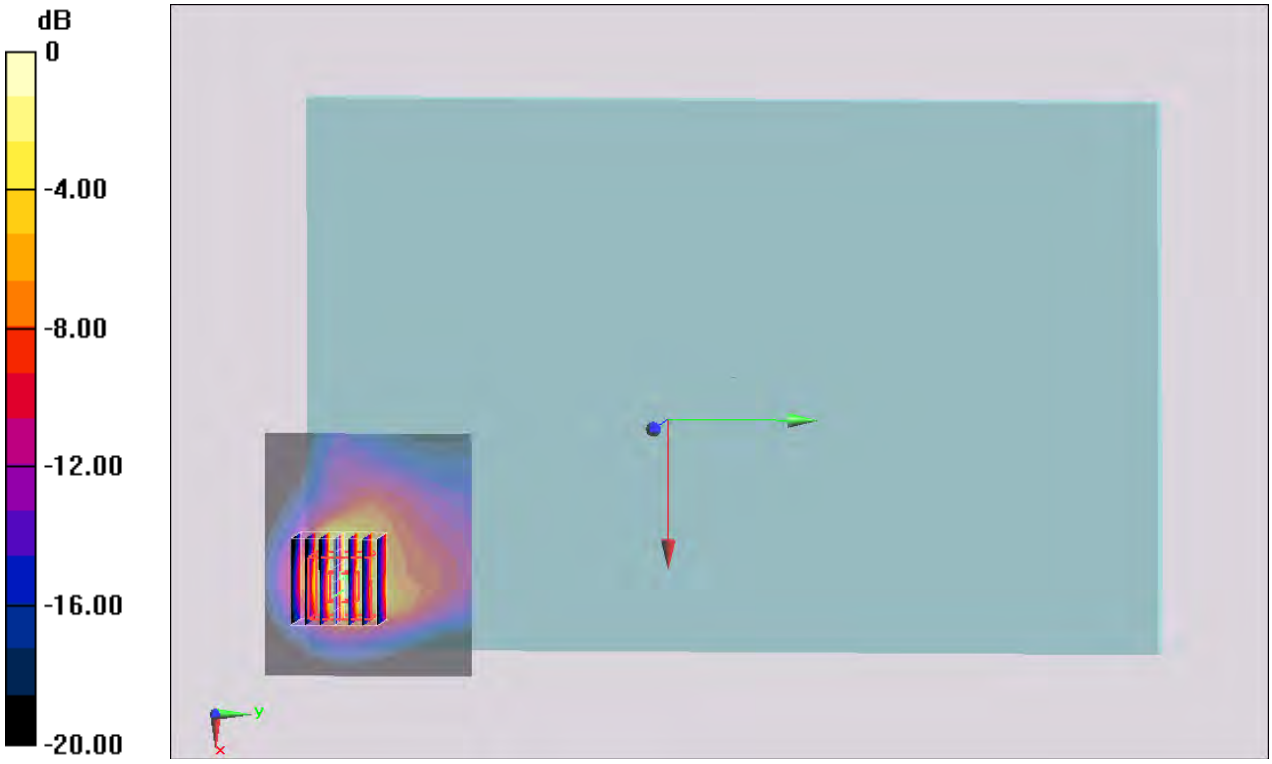
#01_WLAN2.4GHz_802.11n-HT40 MCS0_Bottom Face_0mm_Ch6;Ant A

Communication System: 802.11n; Frequency: 2437 MHz;Duty Cycle: 1:1.032
Medium: MSL_2450_150422 Medium parameters used: f = 2437 MHz; σ = 1.987 mho/m; ε_r = 52.615; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.2 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(7.36, 7.36, 7.36); Calibrated: 2014/9/25;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2014/10/6
- Phantom: ELI 4.0_Front; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.8 (2);SEMCAD X Version 14.6.6 (6477)

Configuration/Ch6/Area Scan (71x61x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (interpolated) = 1.55 mW/g

Configuration/Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 29.031 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.249 mW/g
SAR(1 g) = 0.953 mW/g; SAR(10 g) = 0.370 mW/g
Maximum value of SAR (measured) = 1.68 mW/g



0 dB = 1.68 mW/g = 4.51 dB mW/g

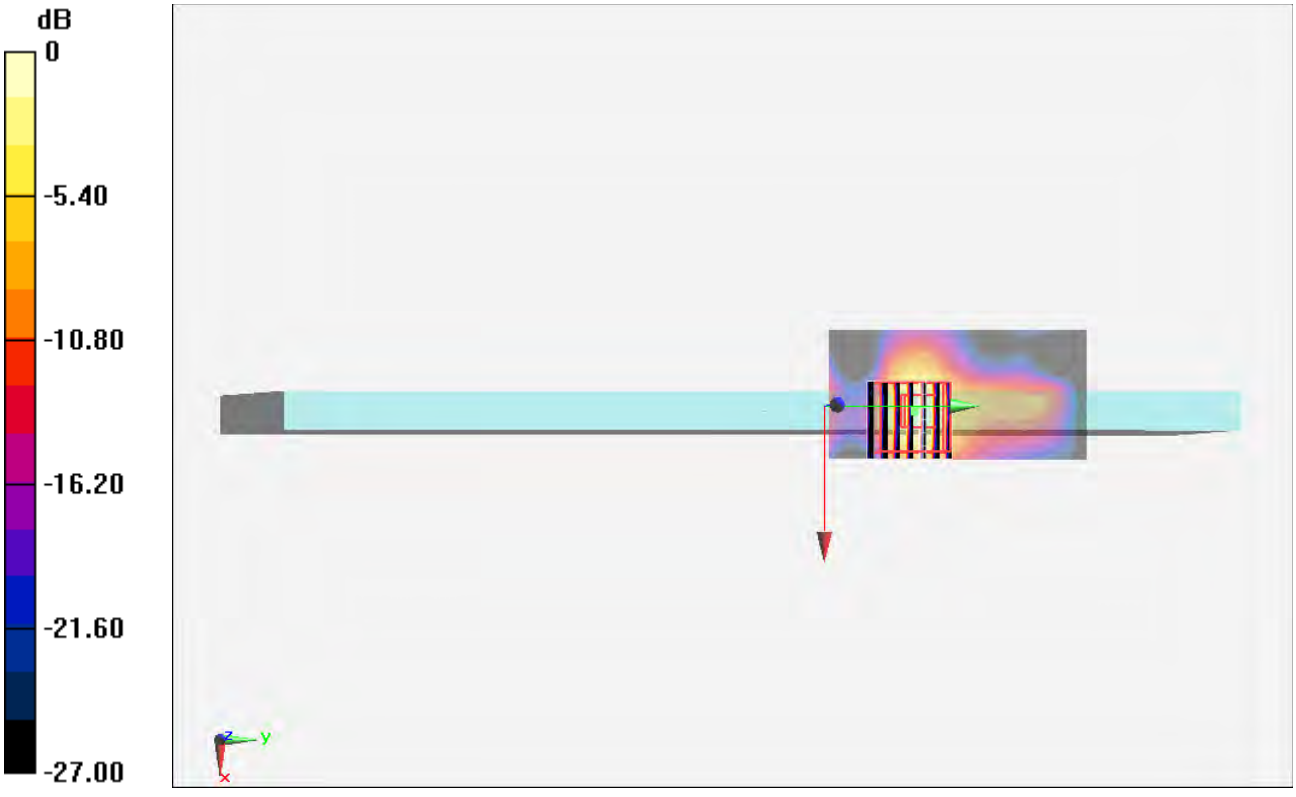
#02_WLAN5GHz_802.11ac-VHT40 MCS0_Edge 1_0mm_Ch46;Ant B

Communication System: 802.11ac; Frequency: 5230 MHz;Duty Cycle: 1:1.025
Medium: MSL_5G_150409 Medium parameters used: f = 5230 MHz; σ = 5.409 S/m; ε_r = 47.403; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3955; ConvF(4.61, 4.61, 4.61); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2014/11/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

Configuration/Ch46/Area Scan (41x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.824 W/kg

Configuration/Ch46/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 13.161 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.077 W/kg
Maximum value of SAR (measured) = 0.722 W/kg



0 dB = 0.722 W/kg = -1.41 dBW/kg

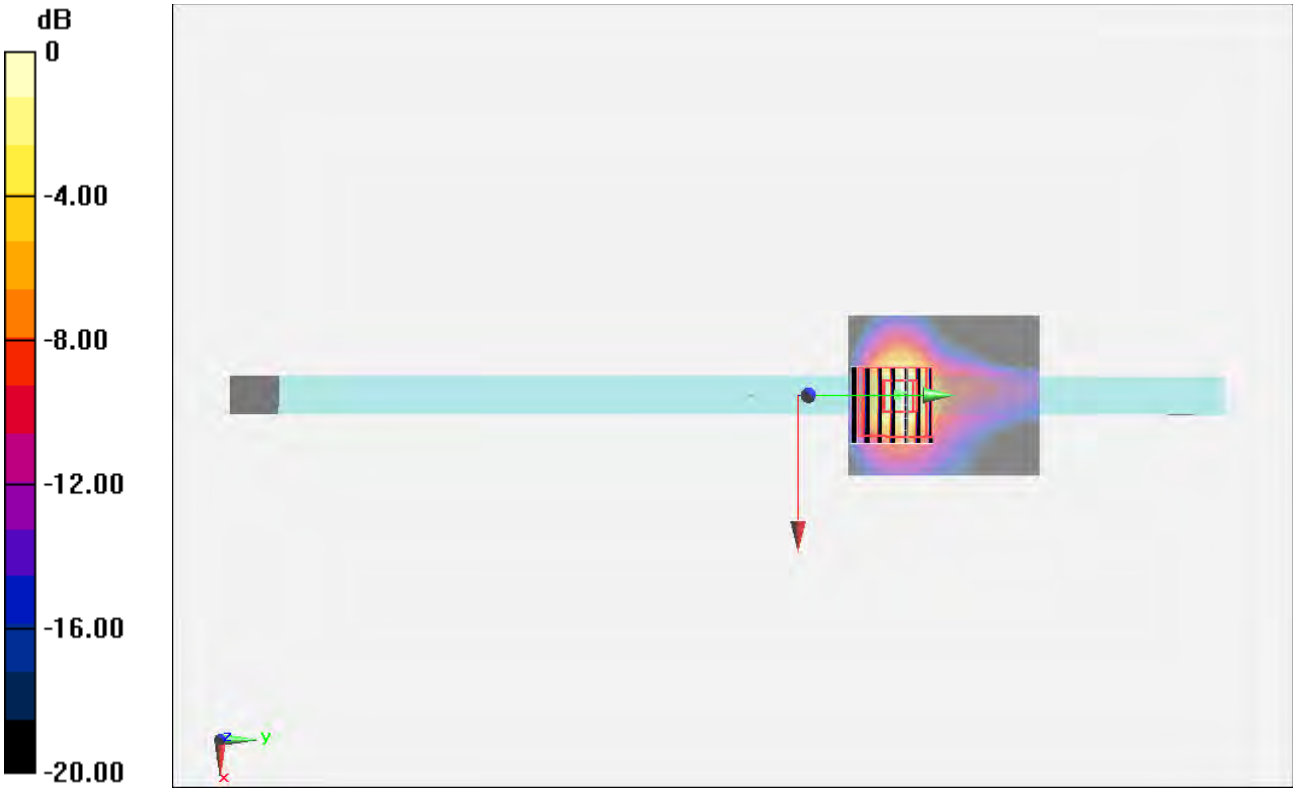
#03_WLAN5GHz_802.11ac-VHT20 MCS0_Edge 1_0mm_Ch60;Ant B

Communication System: 802.11ac; Frequency: 5300 MHz;Duty Cycle: 1:1.053
Medium: MSL_5G_150409 Medium parameters used: f = 5300 MHz; σ = 5.512 S/m; ε_r = 47.309; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3955; ConvF(4.44, 4.44, 4.44); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2014/11/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

Configuration/Ch60/Area Scan (51x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.59 W/kg

Configuration/Ch60/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 18.558 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 2.49 W/kg
SAR(1 g) = 0.589 W/kg; SAR(10 g) = 0.162 W/kg
Maximum value of SAR (measured) = 1.41 W/kg



0 dB = 1.41 W/kg = 1.49 dBW/kg

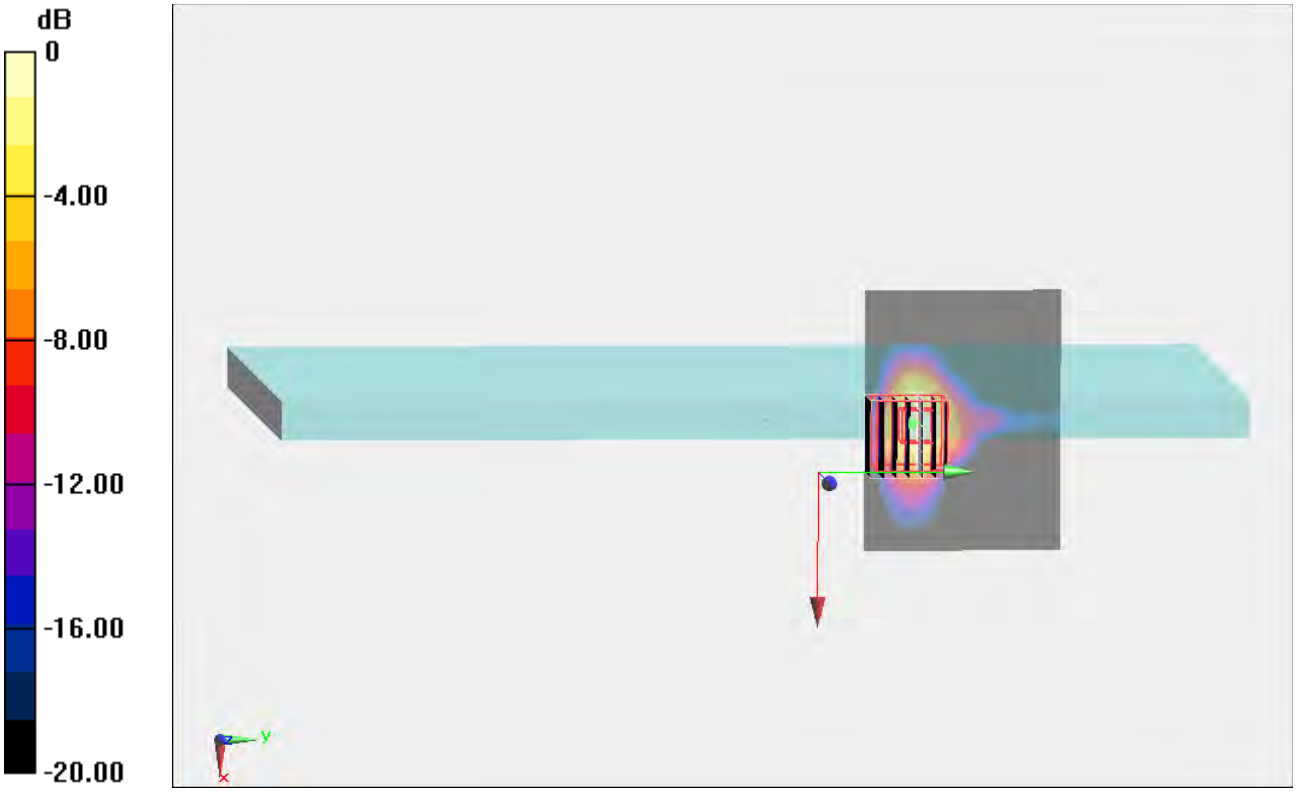
#04_WLAN5GHz_802.11n-HT40 MCS0_Edge 1_0mm_Ch110;Ant B

Communication System: 802.11n; Frequency: 5550 MHz;Duty Cycle: 1:1.032
Medium: MSL_5G_150410 Medium parameters used: f = 5550 MHz; σ = 5.878 S/m; ε_r = 46.318; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3955; ConvF(4.11, 4.11, 4.11); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2014/11/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

Configuration/Ch110/Area Scan (81x61x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.976 W/kg

Configuration/Ch110/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 13.586 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.41 W/kg
SAR(1 g) = 0.334 W/kg; SAR(10 g) = 0.090 W/kg
Maximum value of SAR (measured) = 0.835 W/kg



0 dB = 0.835 W/kg = -0.78 dBW/kg

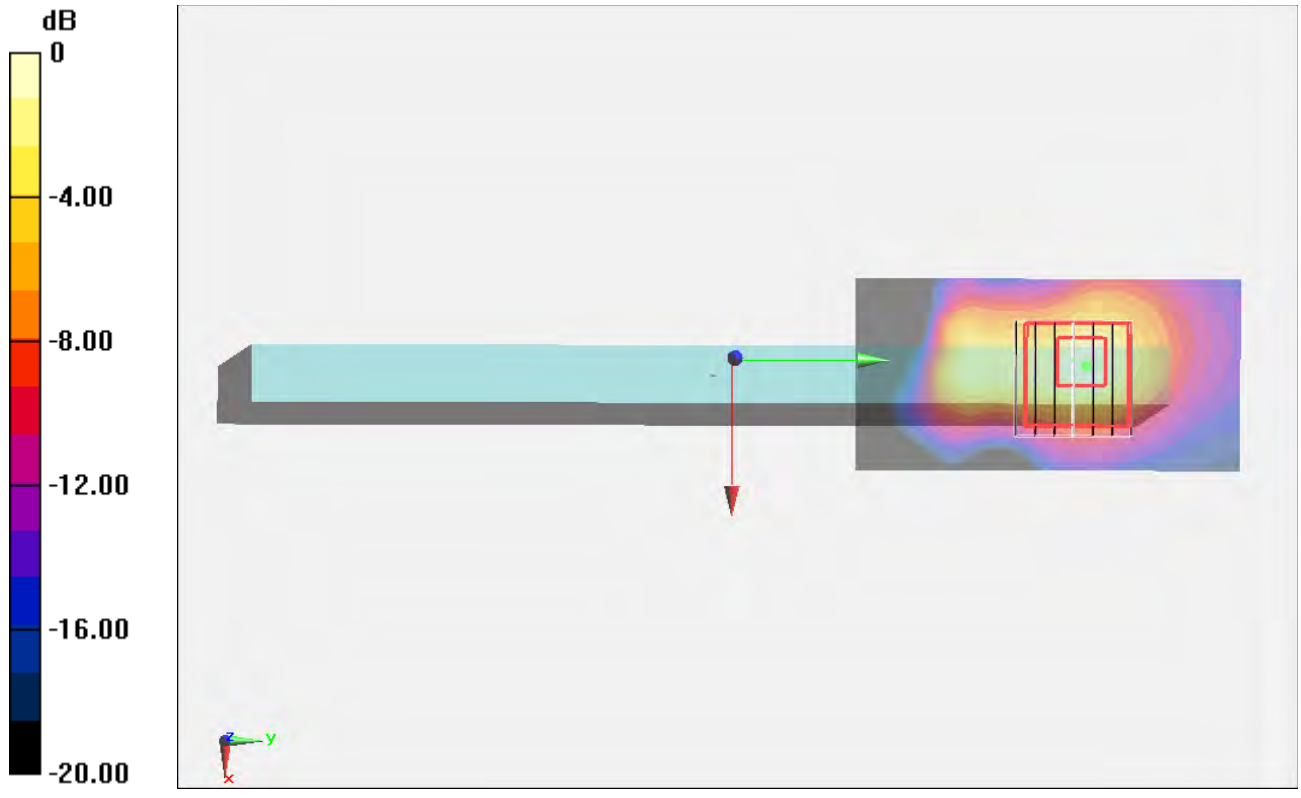
#05_WLAN5GHz_802.11a 6Mbps_Edge 4_0mm_Ch149;Ant A

Communication System: 802.11a; Frequency: 5745 MHz;Duty Cycle: 1:1.015
Medium: MSL_5G_150409 Medium parameters used : f = 5745 MHz; σ = 6.117 S/m; ε_r = 46.603; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration
- Probe: EX3DV4 - SN3955; ConvF(4.26, 4.26, 4.26); Calibrated: 2014/11/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1399; Calibrated: 2014/11/13
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1127
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

Configuration/Ch149/Area Scan (41x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.682 W/kg

Configuration/Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 12.230 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.272 W/kg; SAR(10 g) = 0.079 W/kg
Maximum value of SAR (measured) = 0.695 W/kg



0 dB = 0.695 W/kg = -1.58 dBW/kg