Appendix B. Plots of SAR Measurement

Test Laboratory: Sporton International Inc. SAR Testing Lab Date: 2016/8/2

P01 802.11b_Rear Face_0cm_Ch6_Ant A

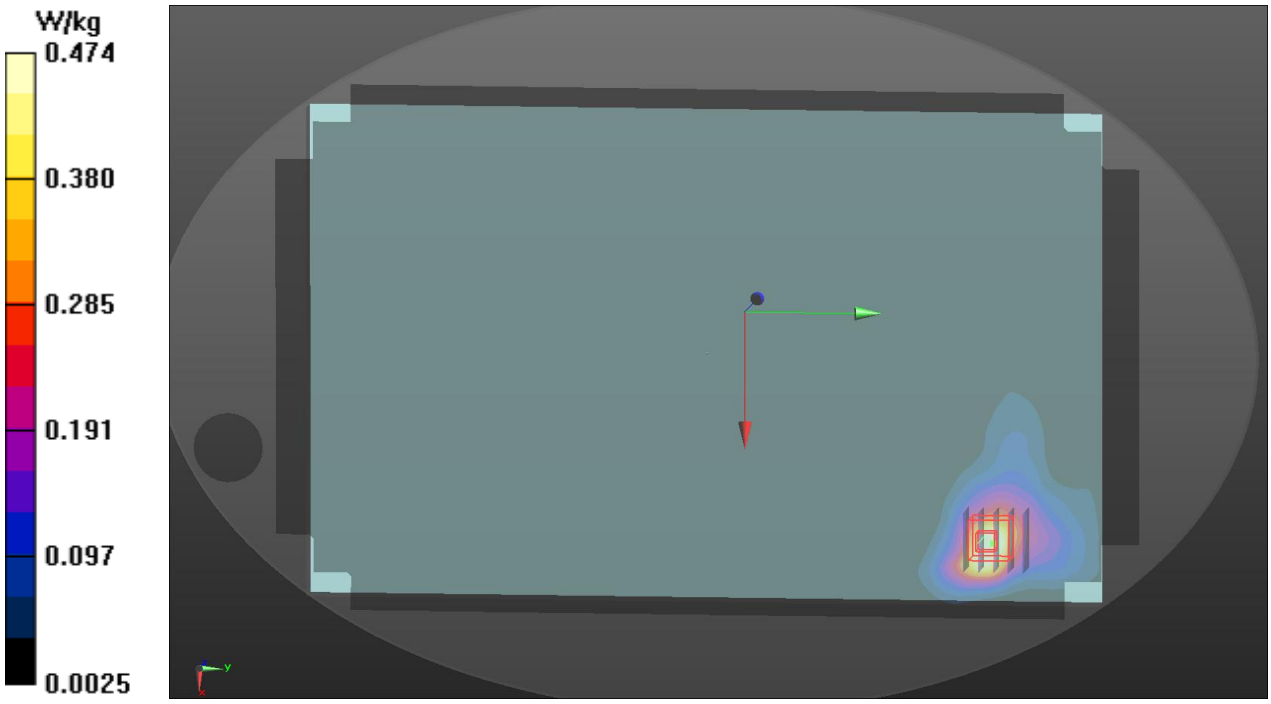
DUT: 662241

Communication System: WLAN_2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_160802 Medium parameters used: f = 2437 MHz; σ = 1.895 S/m; ε_r = 51.867; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; **Liquid Temperature**：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3976; ConvF(7.45, 7.45, 7.45); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (231x381x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.521 W/kg

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.69 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.675 W/kg
SAR(1 g) = 0.360 W/kg; SAR(10 g) = 0.184 W/kg
Maximum value of SAR (measured) = 0.474 W/kg



P02 802.11b_Edge3_0cm_Ch6_Ant A

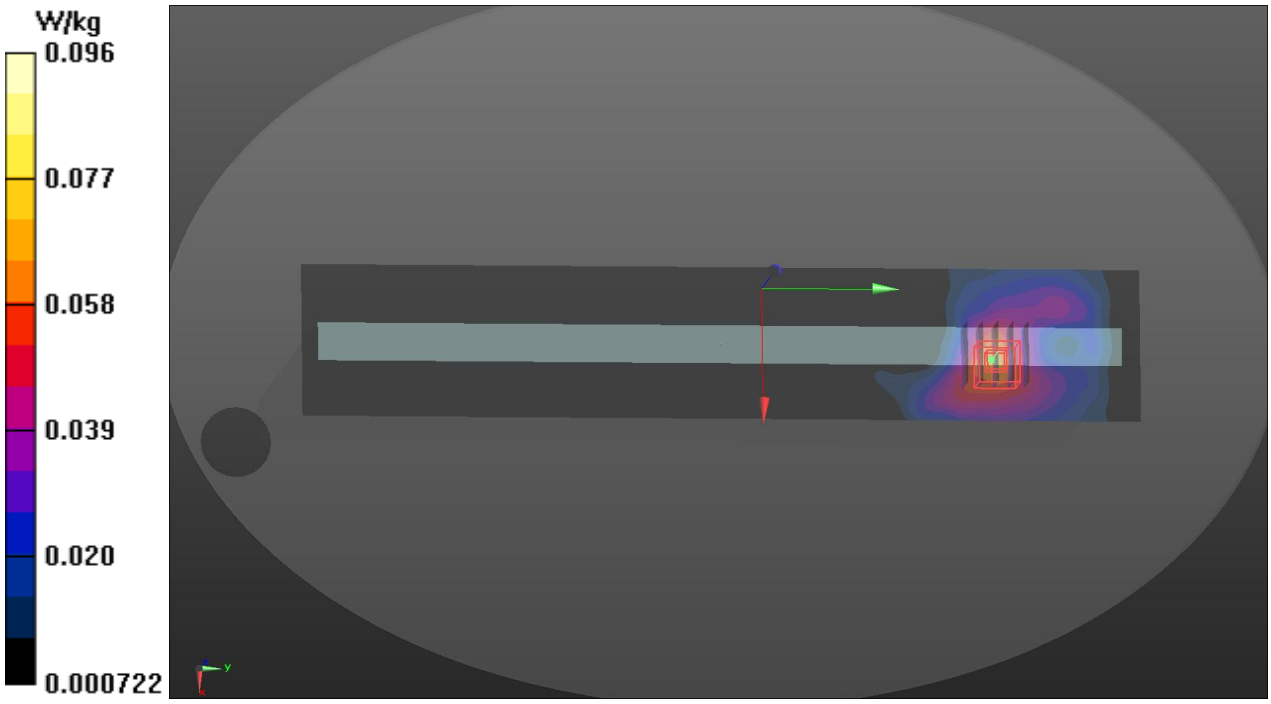
DUT: 662241

Communication System: WLAN_2.4G; Frequency: 2437 MHz;Duty Cycle: 1:1
Medium: B2450_160802 Medium parameters used: f = 2437 MHz; σ = 1.895 S/m; ε_r = 51.867; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; **Liquid Temperature**：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3976; ConvF(7.45, 7.45, 7.45); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch6/Area Scan (71x371x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0685 W/kg

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.781 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.127 W/kg
SAR(1 g) = 0.068 W/kg; SAR(10 g) = 0.036 W/kg
Maximum value of SAR (measured) = 0.0960 W/kg



Test Laboratory: Sporton International Inc. SAR Testing Lab Date: 2016/8/2

P03 802.11b_Rear Face_0cm_Ch11_Ant B

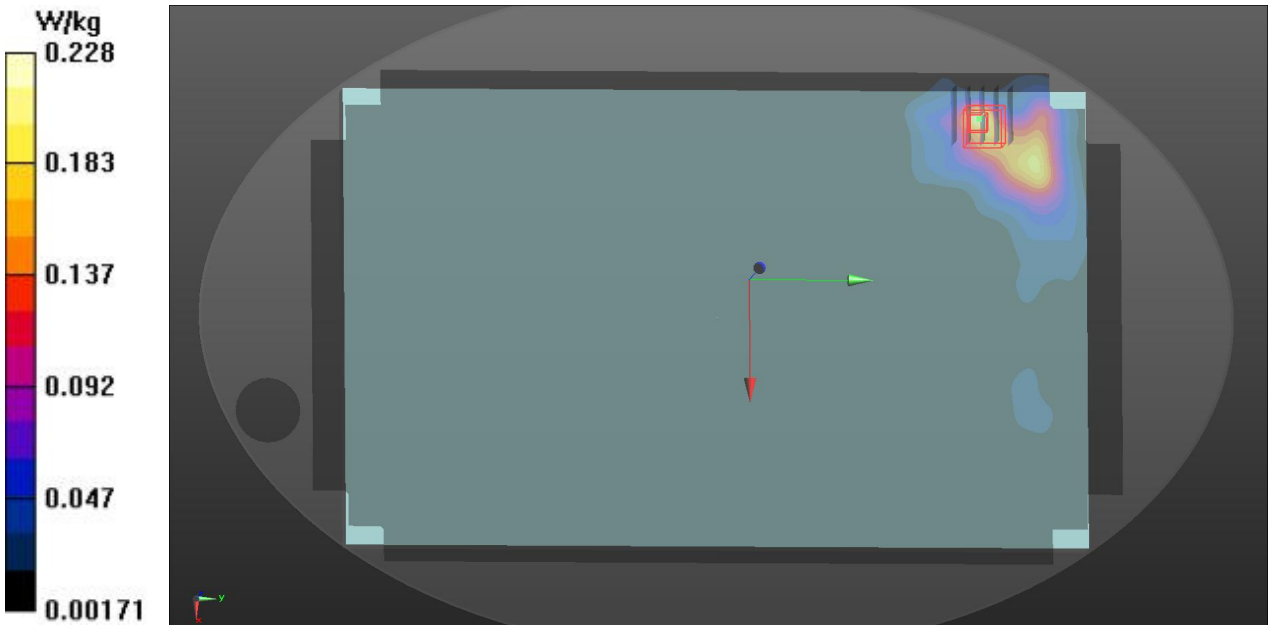
DUT: 662241

Communication System: WLAN_2.4G; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: B2450_160802 Medium parameters used: f = 2462 MHz; σ = 1.924 S/m; ε_r = 51.794; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; **Liquid Temperature**：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3976; ConvF(7.45, 7.45, 7.45); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (231x381x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.229 W/kg

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.013 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.314 W/kg
SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.085 W/kg
Maximum value of SAR (measured) = 0.228 W/kg



P04 802.11b_Edge4_0cm_Ch11_Ant B

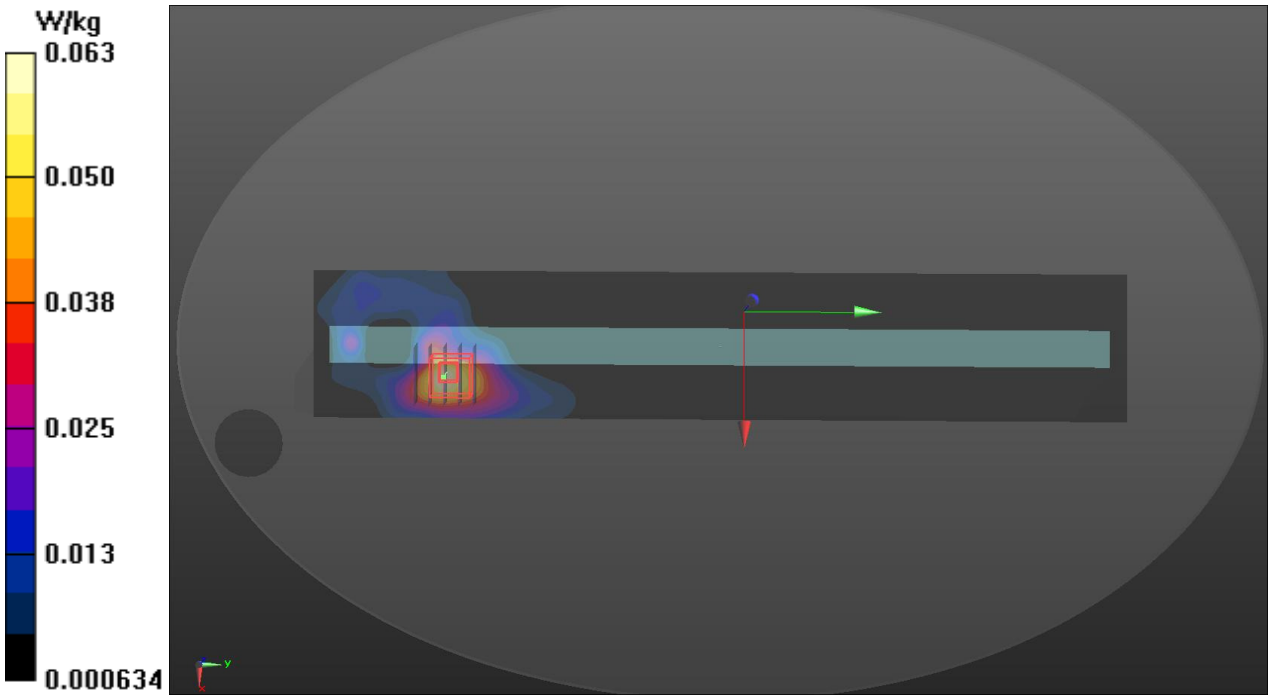
DUT: 662241

Communication System: WLAN_2.4G; Frequency: 2462 MHz;Duty Cycle: 1:1
Medium: B2450_160802 Medium parameters used: f = 2462 MHz; σ = 1.924 S/m; ε_r = 51.794; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; **Liquid Temperature**：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3976; ConvF(7.45, 7.45, 7.45); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch11/Area Scan (71x371x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.0646 W/kg

Ch11/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.340 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.0950 W/kg
SAR(1 g) = 0.050 W/kg; SAR(10 g) = 0.025 W/kg
Maximum value of SAR (measured) = 0.0627 W/kg



Test Laboratory: Sporton International Inc. SAR Testing Lab Date: 2016/8/4

P10 802.11ac_VHT80_Rear Face_0cm_Ch58_Ant A

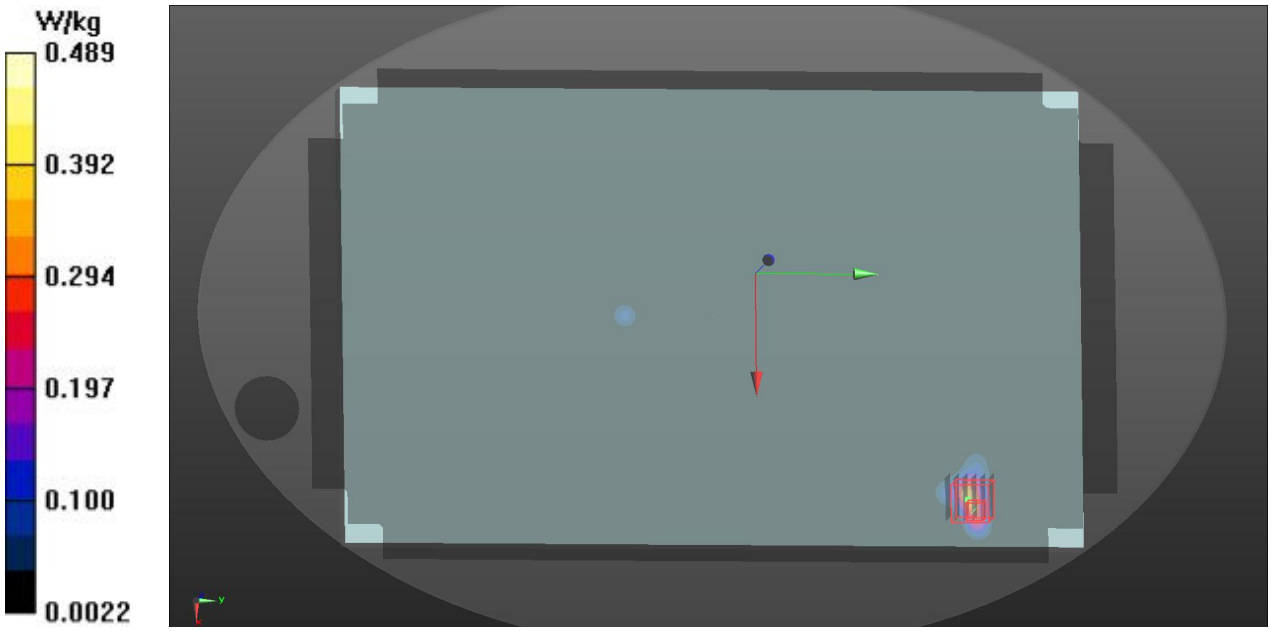
DUT: 662241

Communication System: WLAN_5G; Frequency: 5290 MHz;Duty Cycle: 1:1
Medium: B5G_160804 Medium parameters used: f = 5290 MHz; σ = 5.299 S/m; ε_r = 47.866; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; **Liquid Temperature**：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3976; ConvF(4.4, 4.4, 4.4); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (281x461x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.366 W/kg

Ch58/Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 7.591 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.970 W/kg
SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.079 W/kg
Maximum value of SAR (measured) = 0.489 W/kg



Test Laboratory: Sporton International Inc. SAR Testing Lab Date: 2016/8/4

P11 802.11ac_VHT80_Edge3_0cm_Ch58_Ant A

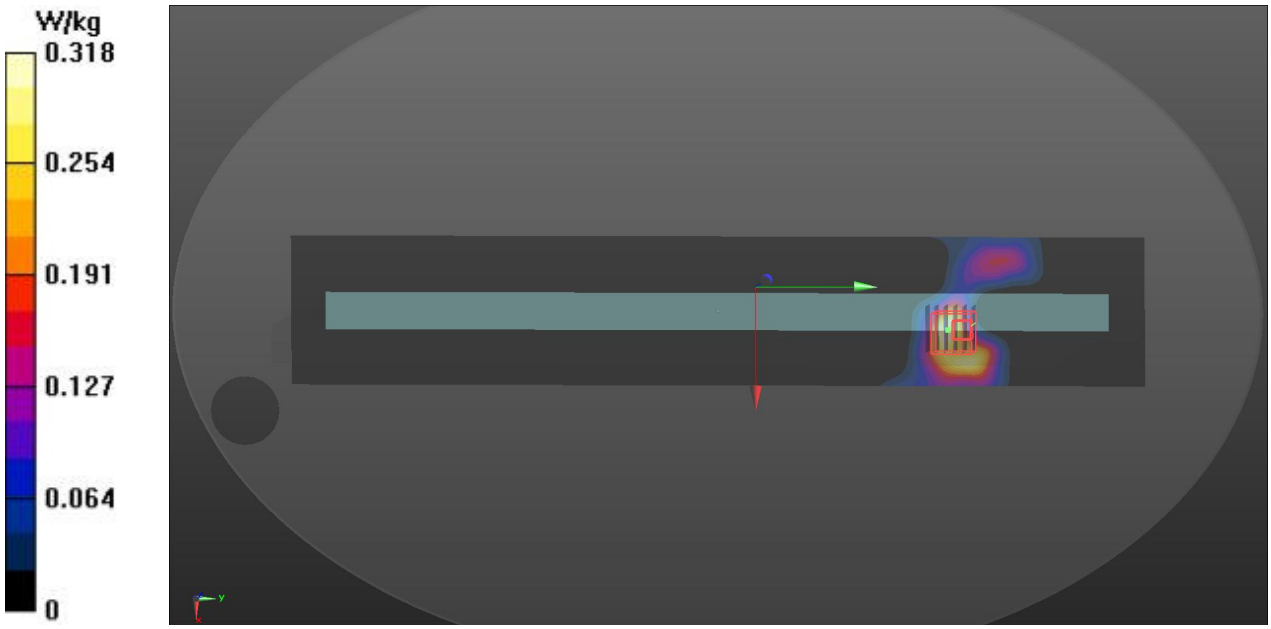
DUT: 662241

Communication System: WLAN_5G; Frequency: 5290 MHz;Duty Cycle: 1:1
Medium: B5G_160804 Medium parameters used: f = 5290 MHz; σ = 5.299 S/m; ε_r = 47.866; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; **Liquid Temperature**：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3976; ConvF(4.4, 4.4, 4.4); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (81x461x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.361 W/kg

Ch58/Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 7.278 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.578 W/kg
SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.063 W/kg
Maximum value of SAR (measured) = 0.318 W/kg



Test Laboratory: Sporton International Inc. SAR Testing Lab Date: 2016/8/4

P12 802.11ac_VHT80_Rear Face_0cm_Ch58_Ant B

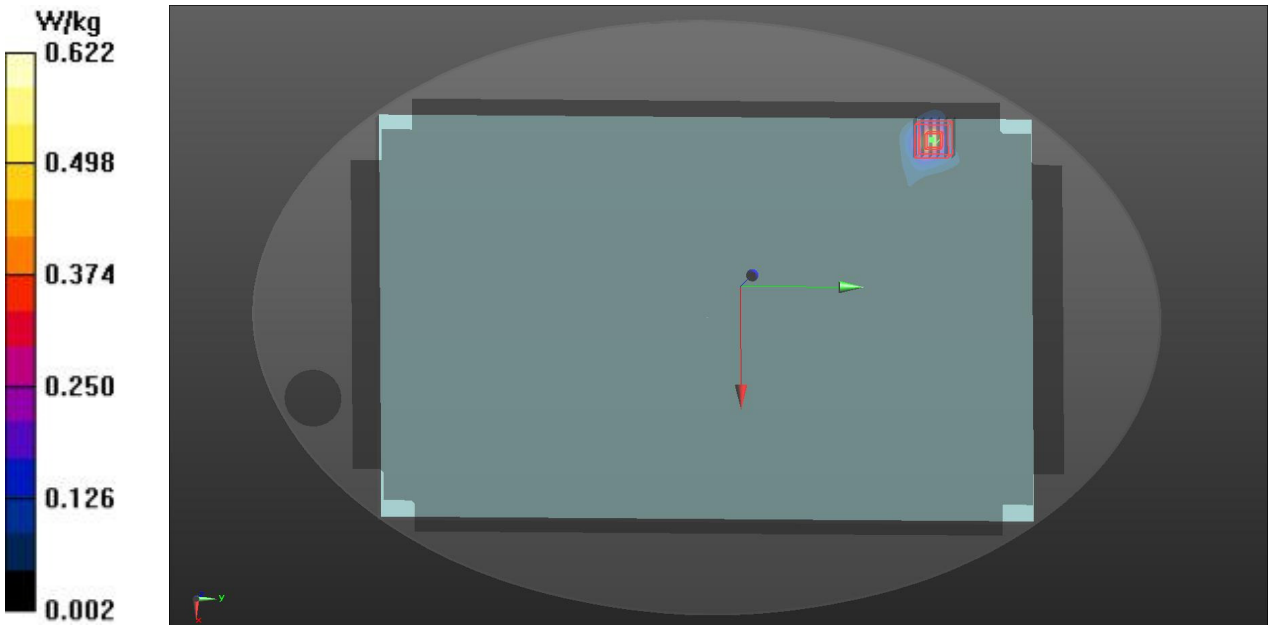
DUT: 662241

Communication System: WLAN_5G; Frequency: 5290 MHz;Duty Cycle: 1:1
Medium: B5G_160804 Medium parameters used: f = 5290 MHz; σ = 5.299 S/m; ε_r = 47.866; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; **Liquid Temperature**：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3976; ConvF(4.4, 4.4, 4.4); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (281x461x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.602 W/kg

Ch58/Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 9.868 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.12 W/kg
SAR(1 g) = 0.328 W/kg; SAR(10 g) = 0.111 W/kg
Maximum value of SAR (measured) = 0.622 W/kg



P13 802.11ac_VHT80_Edge4_0cm_Ch58_Ant B

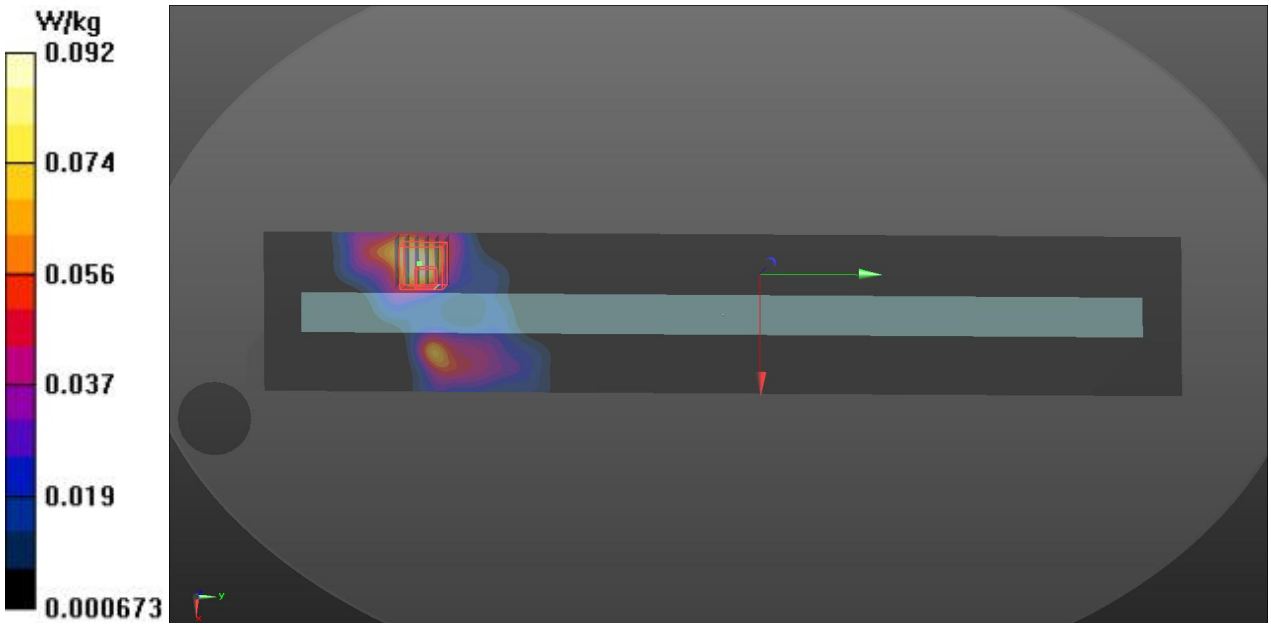
DUT: 662241

Communication System: WLAN_5G; Frequency: 5290 MHz;Duty Cycle: 1:1
Medium: B5G_160804 Medium parameters used: f = 5290 MHz; σ = 5.299 S/m; ε_r = 47.866; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; **Liquid Temperature**：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3976; ConvF(4.4, 4.4, 4.4); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch58/Area Scan (81x461x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.0971 W/kg

Ch58/Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 4.602 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.151 W/kg
SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.023 W/kg
Maximum value of SAR (measured) = 0.0921 W/kg



P14 802.11ac_VHT80_Rear Face_0cm_Ch106_Ant A

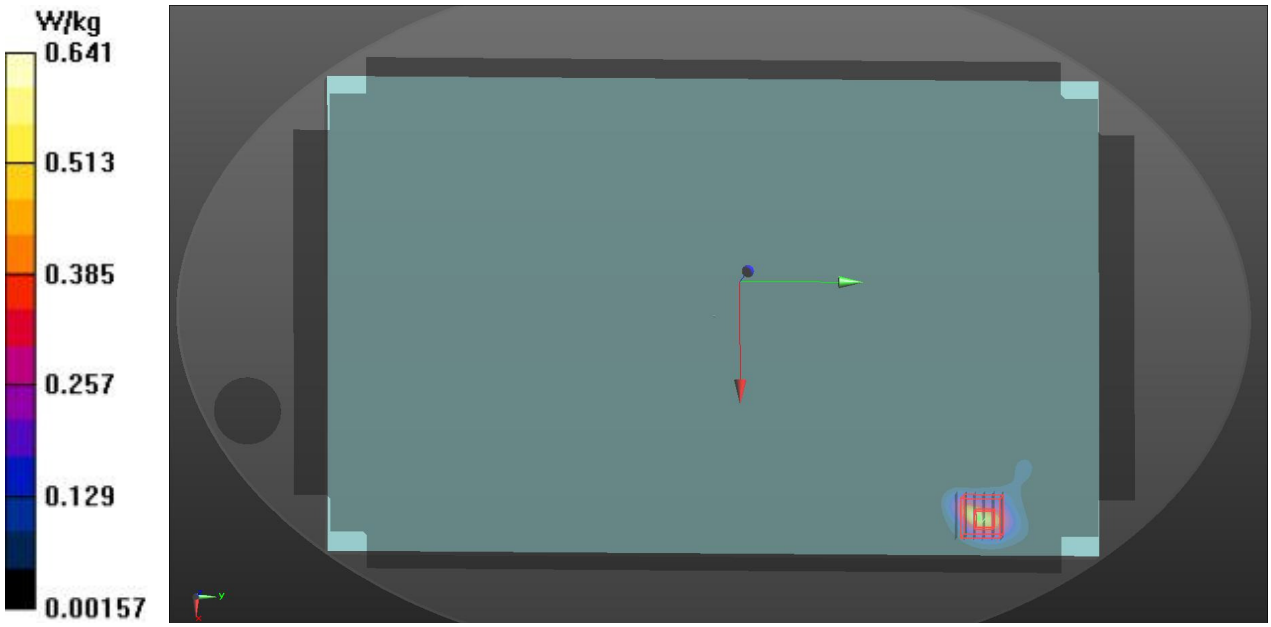
DUT: 662241

Communication System: WLAN_5G; Frequency: 5530 MHz;Duty Cycle: 1:1
Medium: B5G_160804 Medium parameters used: f = 5530 MHz; σ = 5.587 S/m; ε_r = 47.5; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; **Liquid Temperature**：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3976; ConvF(3.78, 3.78, 3.78); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch106/Area Scan (281x461x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.597 W/kg

Ch106/Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 6.818 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.316 W/kg; SAR(10 g) = 0.097 W/kg
Maximum value of SAR (measured) = 0.641 W/kg



P15 802.11ac_VHT80_Edge3_0cm_Ch106_Ant A

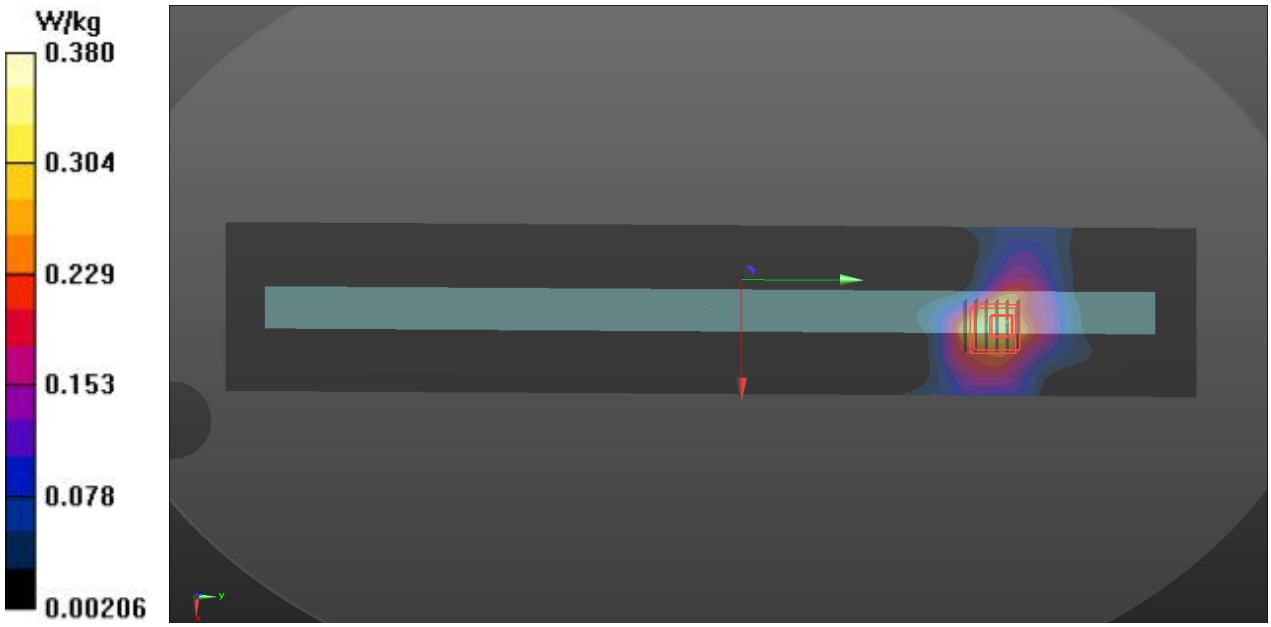
DUT: 662241

Communication System: WLAN_5G; Frequency: 5530 MHz;Duty Cycle: 1:1
Medium: B5G_160804 Medium parameters used: f = 5530 MHz; σ = 5.587 S/m; ε_r = 47.5; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; **Liquid Temperature**：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3976; ConvF(3.78, 3.78, 3.78); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch106/Area Scan (81x461x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.362 W/kg

Ch106/Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 7.715 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.700 W/kg
SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.085 W/kg
Maximum value of SAR (measured) = 0.380 W/kg



Test Laboratory: Sporton International Inc. SAR Testing Lab Date: 2016/8/4

P16 802.11ac_VHT80_Rear Face_0cm_Ch106_Ant B

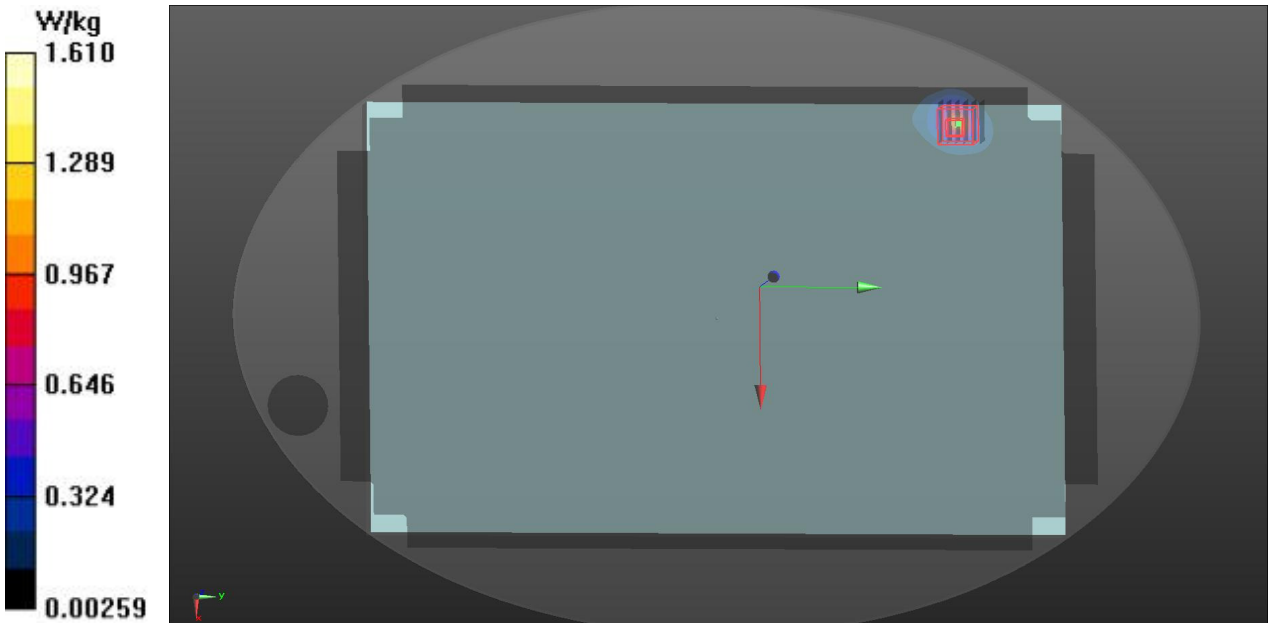
DUT: 662241

Communication System: WLAN_5G; Frequency: 5530 MHz;Duty Cycle: 1:1
Medium: B5G_160804 Medium parameters used: f = 5530 MHz; σ = 5.587 S/m; ε_r = 47.5; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; **Liquid Temperature**：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3976; ConvF(3.78, 3.78, 3.78); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch106/Area Scan (281x461x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 1.10 W/kg

Ch106/Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 15.01 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 2.95 W/kg
SAR(1 g) = 0.790 W/kg; SAR(10 g) = 0.245 W/kg
Maximum value of SAR (measured) = 1.61 W/kg



P17 802.11ac_VHT80_Edge4_0cm_Ch106_Ant B

DUT: 662241

Communication System: WLAN_5G; Frequency: 5530 MHz;Duty Cycle: 1:1
Medium: B5G_160804 Medium parameters used: f = 5530 MHz; σ = 5.587 S/m; ε_r = 47.5; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; **Liquid Temperature**：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3976; ConvF(3.78, 3.78, 3.78); Calibrated: 2016/2/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2016/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1238
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Ch106/Area Scan (81x461x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.176 W/kg

Ch106/Zoom Scan (6x6x12)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=2mm
Reference Value = 5.851 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.302 W/kg
SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.040 W/kg
Maximum value of SAR (measured) = 0.164 W/kg