Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2023/3/17

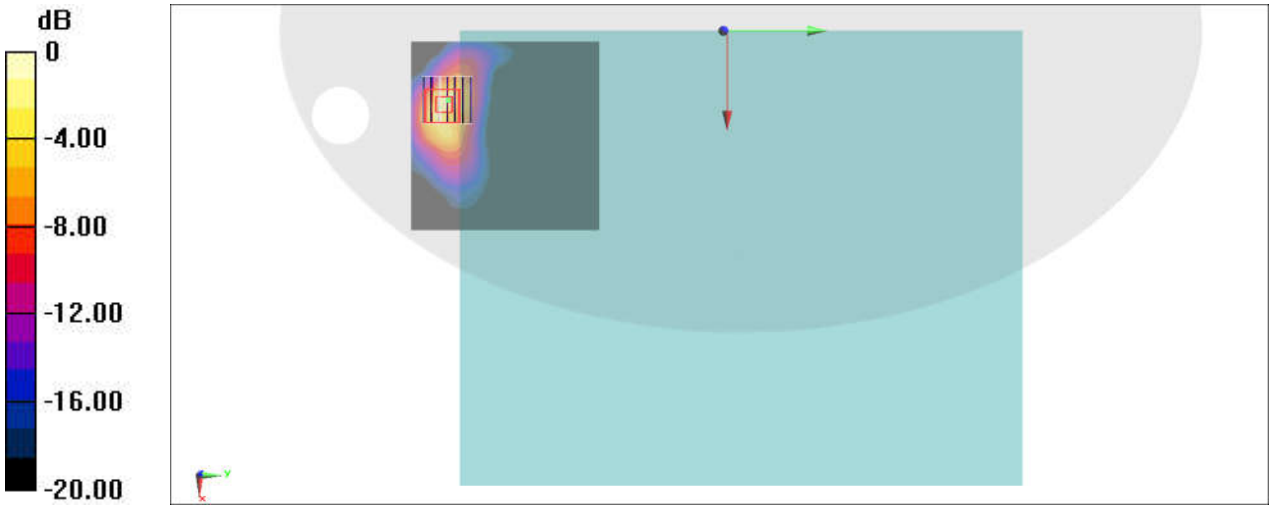
#01_WLAN2.4GHz_802.11b 1Mbps_Bottom of Laptop_0mm_Ch13;Ant 1

Communication System: 802.11b; Frequency: 2472 MHz;Duty Cycle: 1:1.003
Medium: HSL_2450_230317 Medium parameters used: f = 2472 MHz; σ = 1.815 S/m; ε_r = 38.29; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7694; ConvF(7.74, 7.74, 7.74) @ 2472 MHz; Calibrated: 2022/11/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1697; Calibrated: 2022/12/15
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1227
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Area Scan (101x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 1.79 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 31.77 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 3.07 W/kg
SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.430 W/kg
Maximum value of SAR (measured) = 2.14 W/kg



0 dB = 2.14 W/kg = 3.30 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2023/3/18

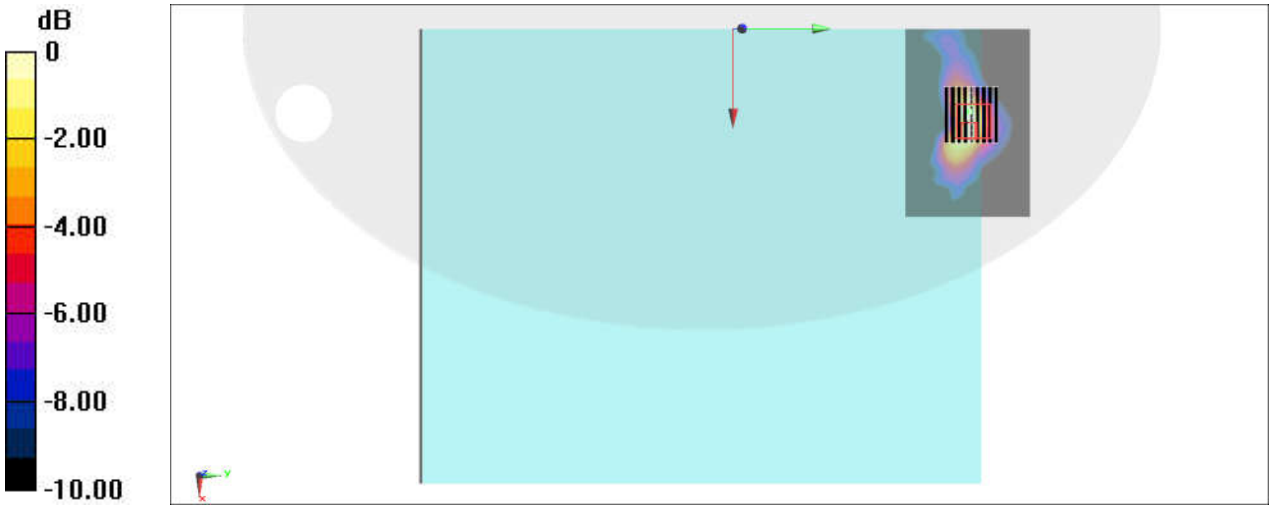
#02_WLAN5GHz_802.11n-HT40 MCS0_Bottom of Laptop_0mm_Ch54;Ant 2

Communication System: 802.11n; Frequency: 5270 MHz;Duty Cycle: 1:1.062
Medium: HSL_5G_230318 Medium parameters used: f = 5270 MHz; σ = 4.846 S/m; ε_r = 36.962; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7694; ConvF(5.28, 5.28, 5.28) @ 5270 MHz; Calibrated: 2022/11/15
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1697; Calibrated: 2022/12/15
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1227
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Area Scan (121x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.665 W/kg

Zoom Scan (10x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 12.64 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.11 W/kg
SAR(1 g) = 0.269 W/kg; SAR(10 g) = 0.094 W/kg
Maximum value of SAR (measured) = 0.629 W/kg



0 dB = 0.629 W/kg = -2.01 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2023/3/7

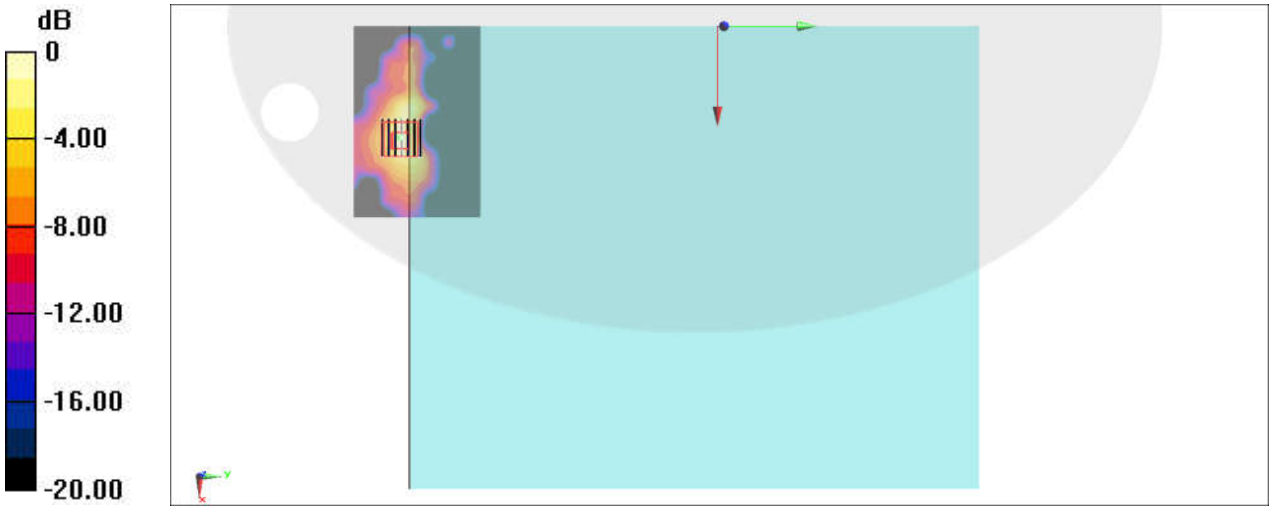
#03_WLAN5GHz_802.11ac-VHT80 MCS0_Bottom of Laptop_0mm_Ch138;Ant 1

Communication System: 802.11ac; Frequency: 5690 MHz;Duty Cycle: 1:1.016
Medium: HSL_5G_230307 Medium parameters used : f = 5690 MHz; σ = 5.316 S/m; ε_r = 36.209; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7695; ConvF(4.81, 4.81, 4.81) @ 5690 MHz; Calibrated: 2023/1/10
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2022/9/21
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1227
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Area Scan (121x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.600 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 11.49 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 1.21 W/kg
SAR(1 g) = 0.215 W/kg; SAR(10 g) = 0.065 W/kg
Maximum value of SAR (measured) = 0.612 W/kg



0 dB = 0.612 W/kg = -2.13 dBW/kg

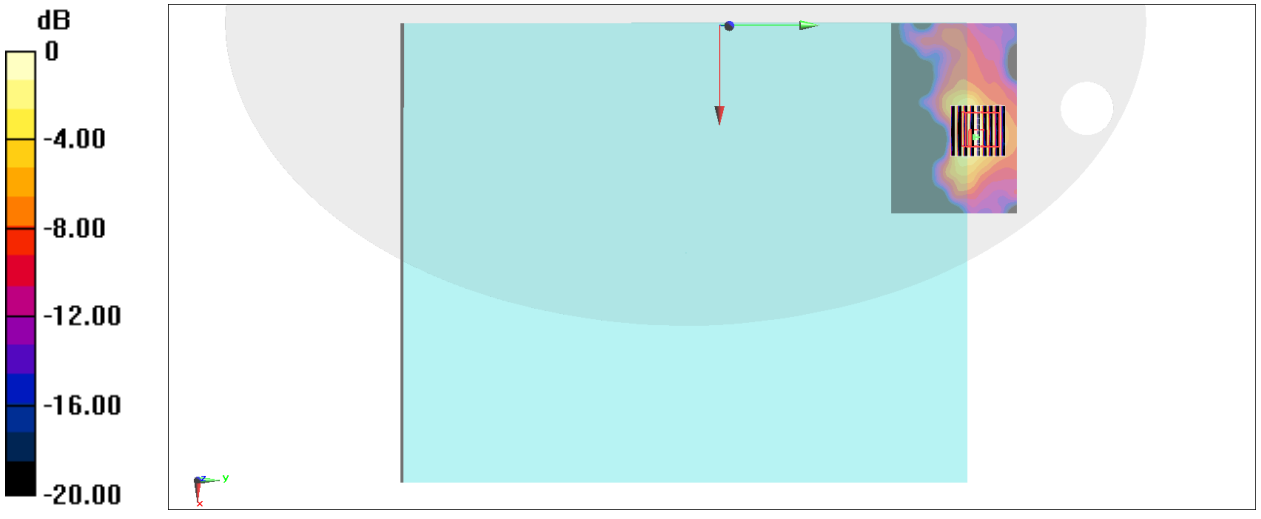
#04_WLAN5GHz_802.11n-HT40 MCS0_Bottom of Laptop_0mm_Ch159;Ant 2

Communication System: 802.11n; Frequency: 5795 MHz;Duty Cycle: 1:1.062
Medium: HSL_5G_230323 Medium parameters used: f = 5795 MHz; σ = 5.526 S/m; ε_r = 36.492; ρ = 1000 kg/m^3
Ambient Temperature：23.3 ℃; Liquid Temperature：22.3 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3976; ConvF(4.87, 4.87, 4.87) @ 5795 MHz; Calibrated: 2023/2/21
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2023/2/22
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2055
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Area Scan (121x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.509 W/kg

Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 9.725 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.04 W/kg
SAR(1 g) = 0.225 W/kg; SAR(10 g) = 0.074 W/kg
Maximum value of SAR (measured) = 0.564 W/kg



0 dB = 0.564 W/kg = -2.49 dBW/kg

Test Laboratory: Sporton International Inc. SAR/HAC Testing Lab Date: 2023/3/7

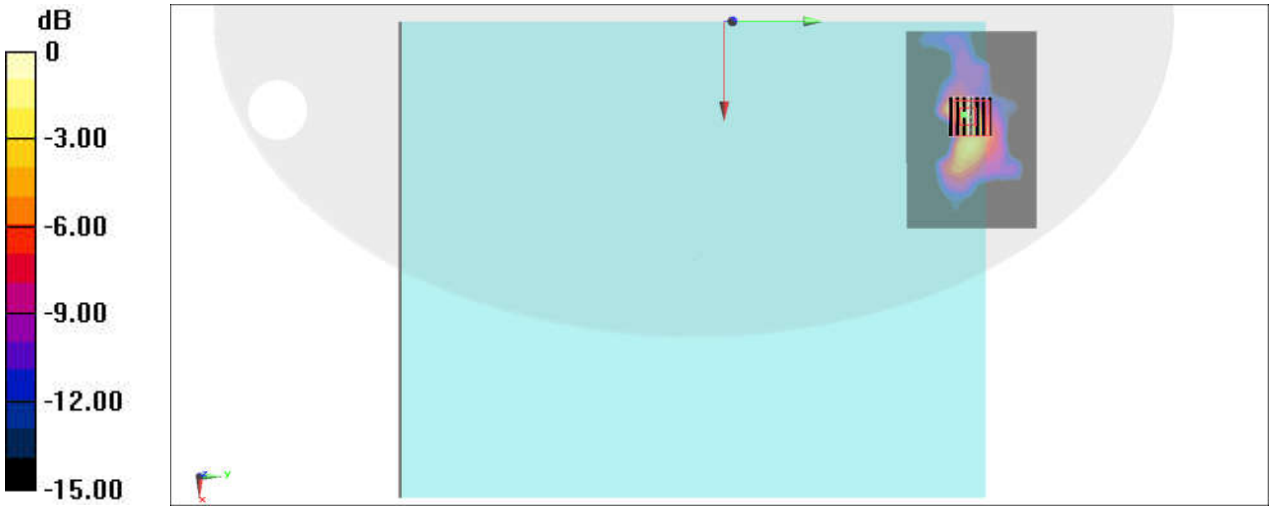
#05_WLAN5GHz_802.11ac-VHT80 MCS0_Bottom of Laptop_0mm_Ch171;Ant2

Communication System: 802.11ac; Frequency: 5855 MHz;Duty Cycle: 1:1.105
Medium: HSL_5G_230307 Medium parameters used: f = 5855 MHz; σ = 5.506 S/m; ε_r = 36.025; ρ = 1000 kg/m^3
Ambient Temperature：23.5 ℃; Liquid Temperature：22.5 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN7625; ConvF(4.95, 4.95, 4.95) @ 5855 MHz; Calibrated: 2023/1/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn316; Calibrated: 2023/1/23
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 001 BB; Serial: 1227
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Area Scan (121x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm
Maximum value of SAR (interpolated) = 0.764 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
Reference Value = 11.97 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.82 W/kg
SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.081 W/kg
Maximum value of SAR (measured) = 0.998 W/kg



0 dB = 0.998 W/kg = -0.01 dBW/kg

Date: 2023-03-23, 16:28

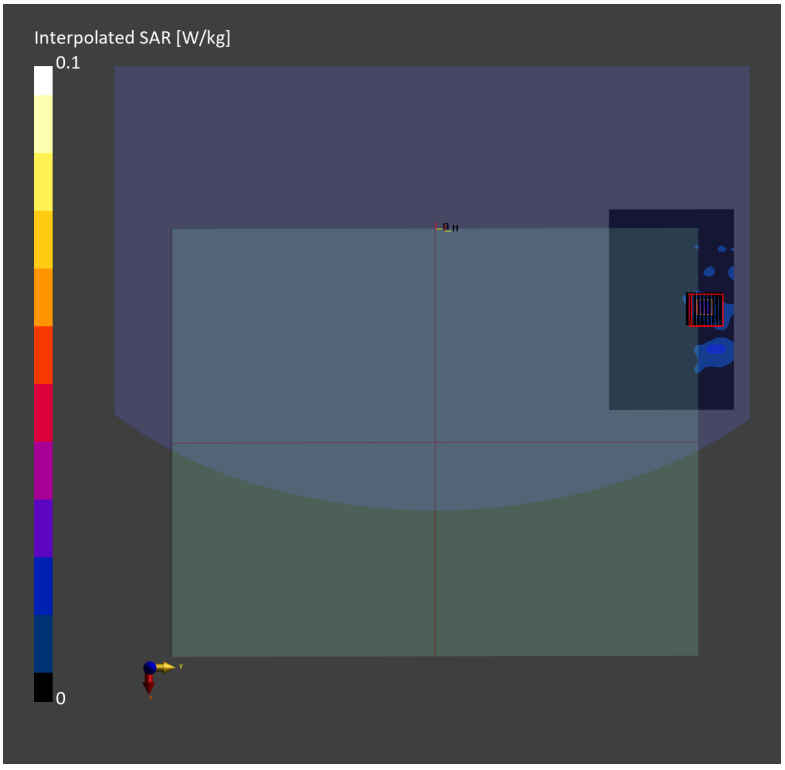
#06_WLAN6GHz_802.11ax-HE160 MCS0_Bottom of Laptop_0mm_CH15;Ant 2

Communication System: 802.11ax; Frequency: 6025.0 MHz; Duty Cycle: 1:1.107
Medium: HSL_6500_230323 Medium parameters used: f= 6025.0 MHz; σ= 5.47 S/m; ε_r = 36.0
Ambient Temperature: 23.3°C; Liquid Temperature: 22.3°C

DASY6 Configuration:
- Probe: EX3DV4 - SN3976; ConvF(5.8, 5.8, 5.8); Calibrated: 2023-02-21
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn699; Calibrated: 2023-02-22
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2055; Section: Flat
- Measurement Software: 16.2.2.1588
- UID: WLAN, 10743-AAC

Area Scan (136.0 mm x 85.0 mm): Measurement Grid: 8.5 mm x 8.5 mm
SAR (1g) = 0.015 W/kg; SAR (10g) = 0.005 W/kg;

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 2.5 mm x 2.5 mm x 1.2 mm
Power Drift = -0.04 dB
SAR (1g) = 0.016 W/kg; SAR (8g) = 0.005 W/kg; SAR (10g) = 0.004 W/kg
psAPD (1.0cm2, sq) = 0.161 [W/m2]; psAPD (4.0cm2, sq) = 0.092 [W/m2]



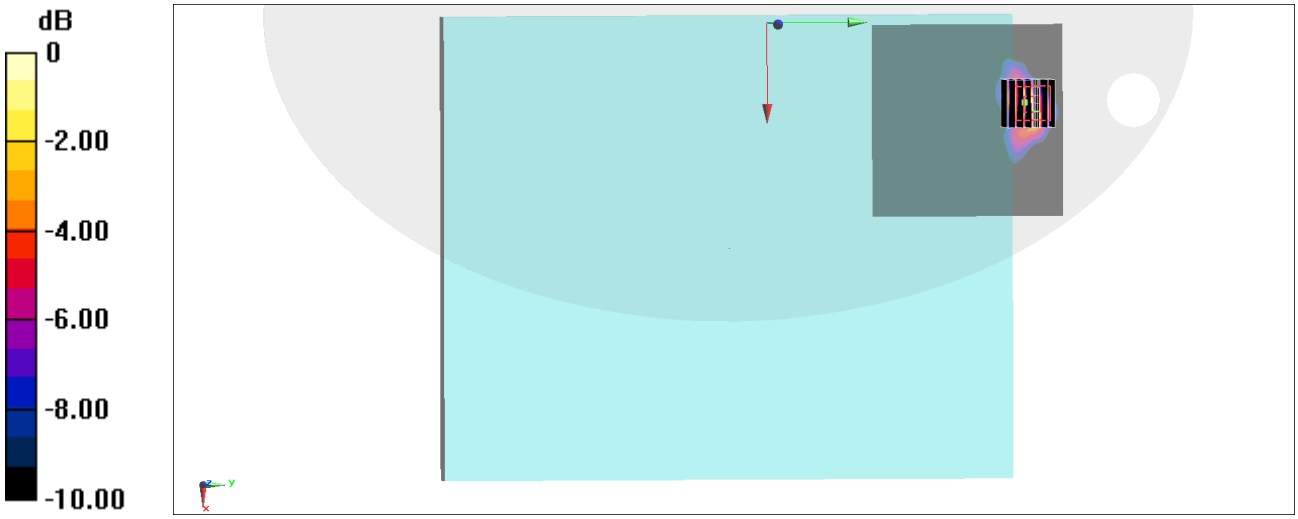
#07_Bluetooth_1Mbps_Bottom of Laptop_0mm_Ch78;Ant 2

Communication System: Bluetooth; Frequency: 2480 MHz;Duty Cycle: 1:1.295
Medium: HSL_2450_230307 Medium parameters used: f = 2480 MHz; σ = 1.86 S/m; ε_r = 39.559; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY5 Configuration:
- Probe: EX3DV4 - SN3931; ConvF(7.58, 7.58, 7.58) @ 2480 MHz; Calibrated: 2022/10/31
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1707; Calibrated: 2022/12/15
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2055
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

Area Scan (101x101x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 0.202 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 10.53 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.262 W/kg
SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.042 W/kg
Maximum value of SAR (measured) = 0.203 W/kg



0 dB = 0.203 W/kg = -6.93 dBW/kg