Test Laboratory: BTL Inc. Date: 2019/12/21

T05_802.11b_CH1_Bottom Side_0cm_Tablet mode_Ant 1_southstar

DUT: Notebook;

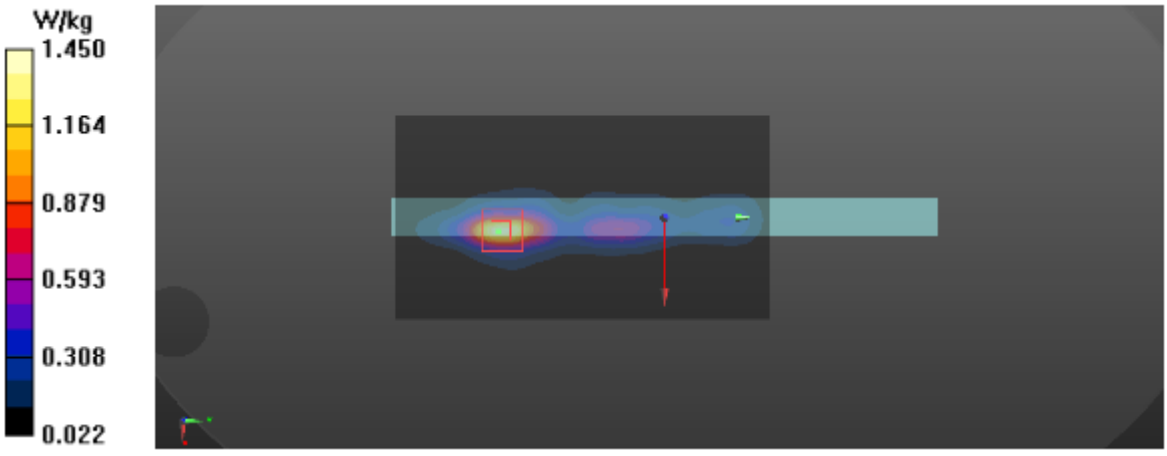
Communication System: UID 0, IEEE 802.11b WiFi 2.4GHz (DSSS,1Mbps) (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.99 S/m; ε_r = 52.139; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.3 ℃

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(4.3, 4.3, 4.3) @ 2412 MHz; Calibrated: 2019/4/12
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn420; Calibrated: 2019/6/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (10x17x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.41 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.89 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 2.84 W/kg
SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.559 W/kg
Maximum value of SAR (measured) = 1.45 W/kg



Test Laboratory: BTL Inc. Date: 2019/12/21

T14_802.11b_CH1_Bottom Side_0cm_Tablet mode_Ant 2_southstar

DUT: Notebook;

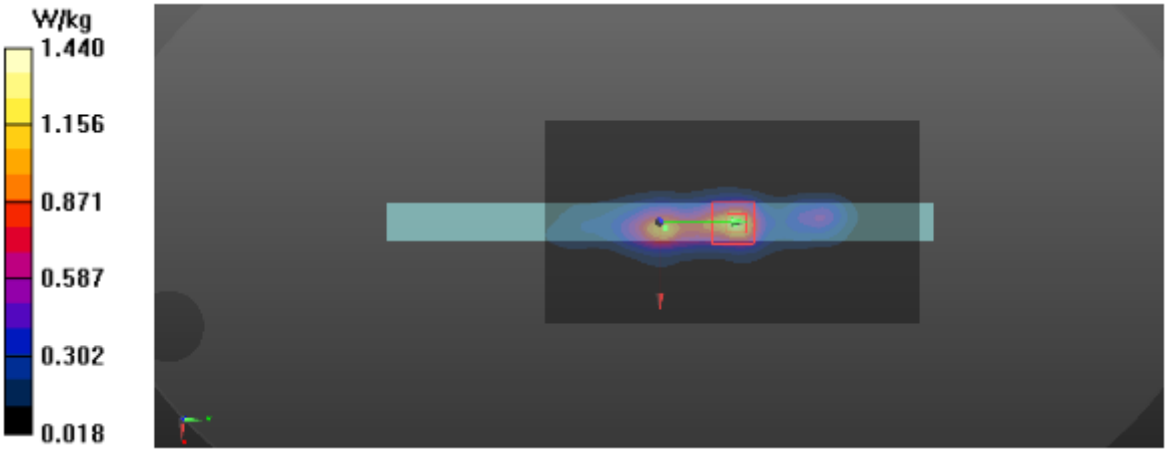
Communication System: UID 0, IEEE 802.11b WiFi 2.4GHz (DSSS,1Mbps) (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2412 MHz; σ = 1.99 S/m; ε_r = 52.139; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.3 ℃

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(4.3, 4.3, 4.3) @ 2412 MHz; Calibrated: 2019/4/12
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn420; Calibrated: 2019/6/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (10x17x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.32 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 22.51 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.76 W/kg
SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.541 W/kg
Maximum value of SAR (measured) = 1.44 W/kg



Test Laboratory: BTL Inc. Date: 2019/12/21

T88_802.11g_CH6_Bottom Side_0cm_Tablet mode_Ant 1_southstar

DUT: Notebook;

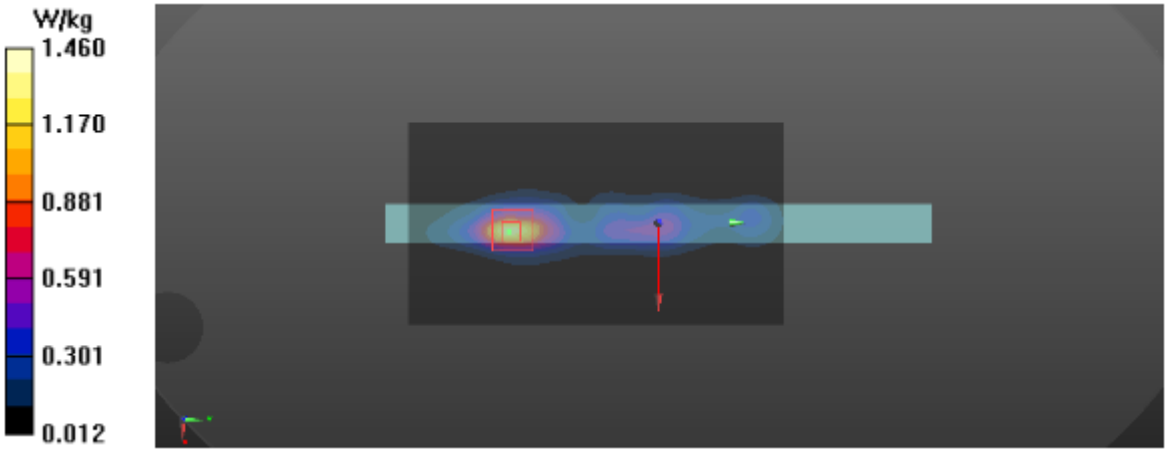
Communication System: UID 0, IEEE 802.11g WiFi 2.4GHz(OFDM,6Mbps) (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 2.021 S/m; ε_r = 52.057; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.3 ℃

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(4.3, 4.3, 4.3) @ 2437 MHz; Calibrated: 2019/4/12
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn420; Calibrated: 2019/6/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (10x17x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.36 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 18.11 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 2.86 W/kg
SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.558 W/kg
Maximum value of SAR (measured) = 1.46 W/kg



Test Laboratory: BTL Inc. Date: 2019/12/21

T97_802.11g_CH6_Bottom Side_0cm_Tablet mode_Ant 2_southstar

DUT: Notebook;

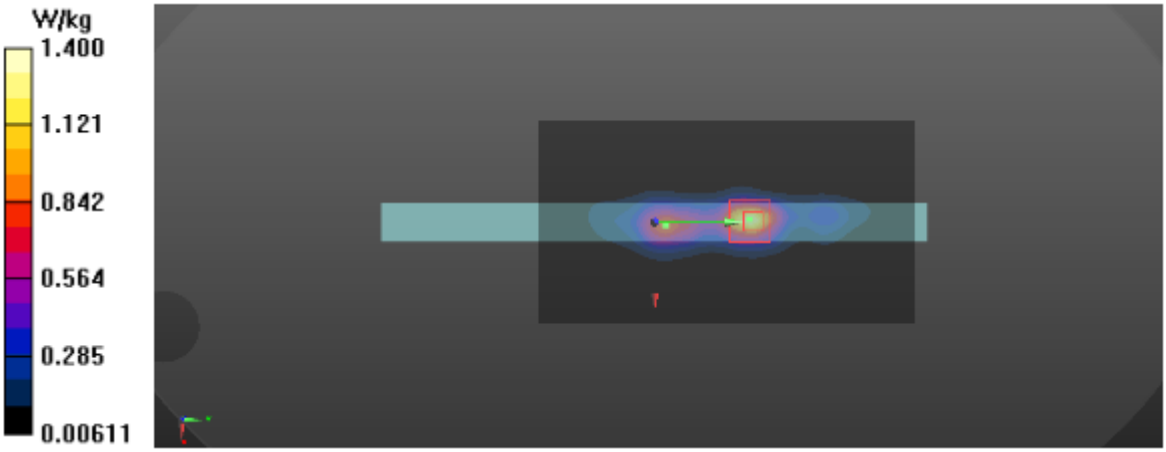
Communication System: UID 0, IEEE 802.11g WiFi 2.4GHz(OFDM,6Mbps) (0); Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2437 MHz; σ = 2.021 S/m; ε_r = 52.057; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.3 ℃

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(4.3, 4.3, 4.3) @ 2437 MHz; Calibrated: 2019/4/12
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn420; Calibrated: 2019/6/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (10x17x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 1.32 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 19.68 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 2.76 W/kg
SAR(1 g) = 1.21 W/kg; SAR(10 g) = 0.521 W/kg
Maximum value of SAR (measured) = 1.40 W/kg



Test Laboratory: BTL Inc. Date: 2019/12/21

T24_BT DH5_CH78_Bottom Side_0cm_Tablet mode_Ant 1_southstar

DUT: Notebook;

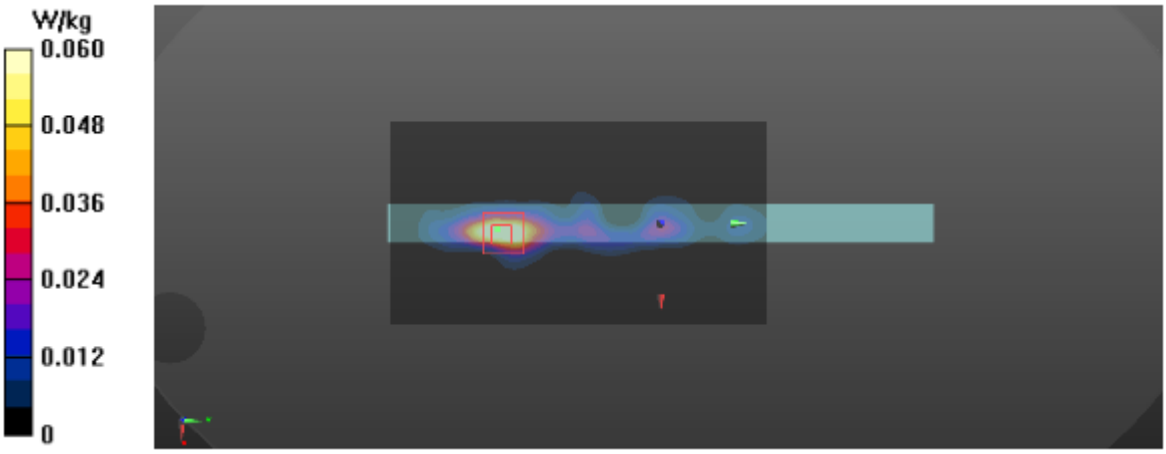
Communication System: UID 0, Bluetooth (0); Frequency: 2480 MHz; Duty Cycle: 1:1
Medium parameters used: f = 2480 MHz; σ = 2.073 S/m; ε_r = 51.908; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.3 ℃

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(4.3, 4.3, 4.3) @ 2480 MHz; Calibrated: 2019/4/12
- Sensor-Surface: 4mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE3 Sn420; Calibrated: 2019/6/21
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (10x17x1): Interpolated grid: dx=12 mm, dy=12 mm
Maximum value of SAR (interpolated) = 0.0721 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.238 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.116 W/kg
SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.024 W/kg
Maximum value of SAR (measured) = 0.0605 W/kg



Test Laboratory: BTL Inc. Date: 2019/12/20

T31_802.11ac VHT80_CH42_Bottom Side_0cm_Tablet mode_Ant 1_southstar

DUT: Notebook;

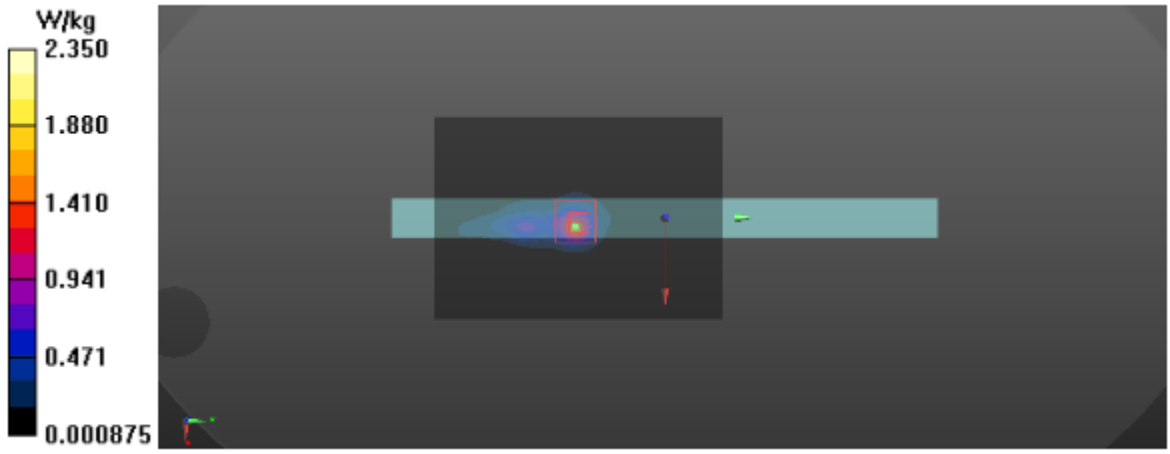
Communication System: UID 0, IEEE 802.11ac WIFI (80MHz,64-QAM,99pc duty cycle) (0); Frequency: 5210 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5210 MHz; σ = 5.342 S/m; ε_r = 47.318; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.4 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.68, 4.68, 4.68) @ 5210 MHz; Calibrated: 2019/9/9
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE4 Sn1390; Calibrated: 2019/10/29
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x16x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 1.58 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 5.992 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 6.60 W/kg
SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.312 W/kg
Maximum value of SAR (measured) = 2.35 W/kg



Test Laboratory: BTL Inc. Date: 2019/12/20

T38_802.11ac VHT80_CH42_Bottom Side_0cm_Tablet mode_Ant 2_southstar

DUT: Notebook;

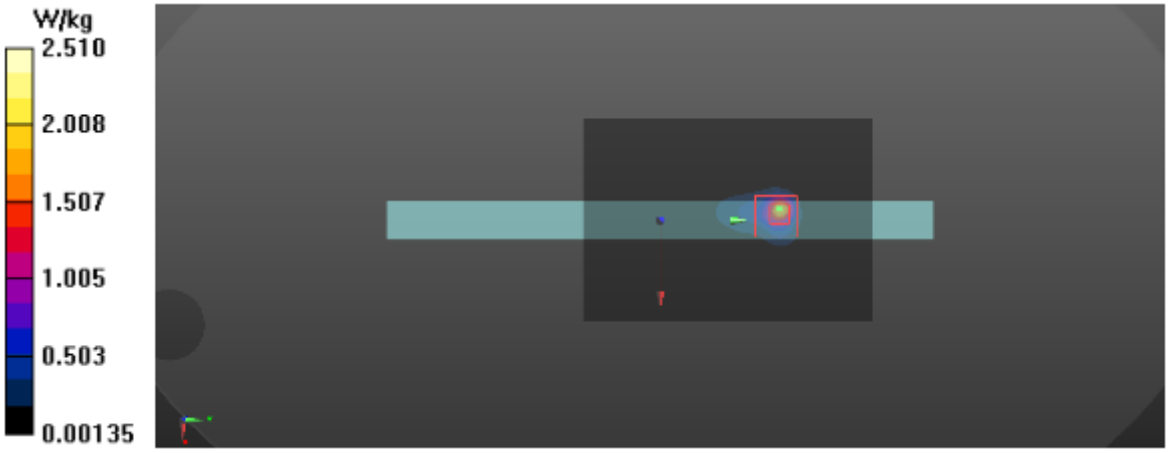
Communication System: UID 0, IEEE 802.11ac WIFI (80MHz,64-QAM,99pc duty cycle) (0); Frequency: 5210 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5210 MHz; σ = 5.342 S/m; ε_r = 47.318; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.4 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.68, 4.68, 4.68) @ 5210 MHz; Calibrated: 2019/9/9
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE4 Sn1390; Calibrated: 2019/10/29
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x16x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 2.05 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 6.295 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 7.68 W/kg
SAR(1 g) = 1.32 W/kg; SAR(10 g) = 0.318 W/kg
Maximum value of SAR (measured) = 2.51 W/kg



Test Laboratory: BTL Inc. Date: 2019/12/20

T45_802.11ac VHT80_CH58_Bottom Side_0cm_Tablet mode_Ant 1_southstar

DUT: Notebook;

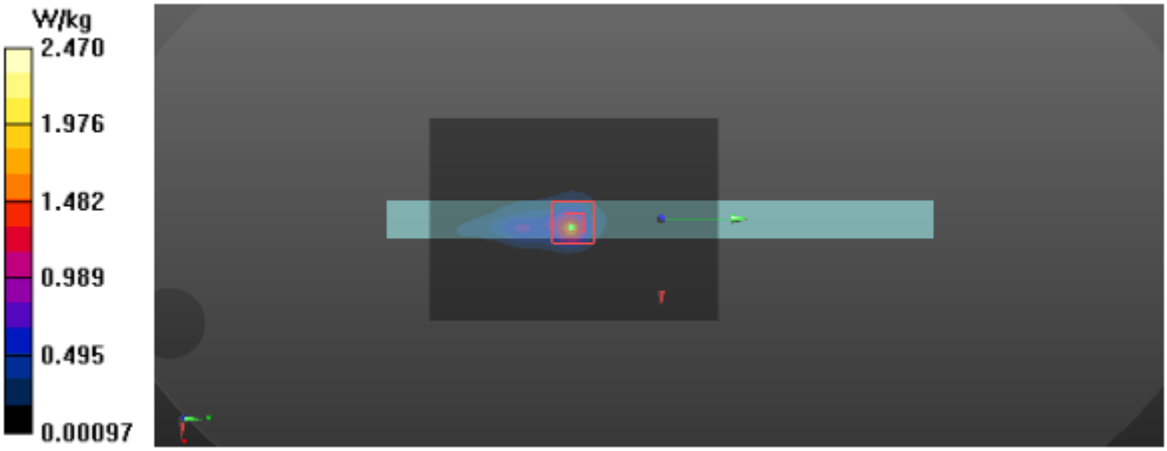
Communication System: UID 0, IEEE 802.11ac WIFI (80MHz,64-QAM,99pc duty cycle) (0); Frequency: 5290 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5290 MHz; σ = 5.443 S/m; ε_r = 47.225; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.4 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.51, 4.51, 4.51) @ 5290 MHz; Calibrated: 2019/9/9
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE4 Sn1390; Calibrated: 2019/10/29
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x16x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 1.72 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 6.657 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 7.19 W/kg
SAR(1 g) = 1.3 W/kg; SAR(10 g) = 0.335 W/kg
Maximum value of SAR (measured) = 2.47 W/kg



Test Laboratory: BTL Inc. Date: 2019/12/20

T52_802.11ac VHT80_CH58_Bottom Side_0cm_Tablet mode_Ant 2_southstar

DUT: Notebook;

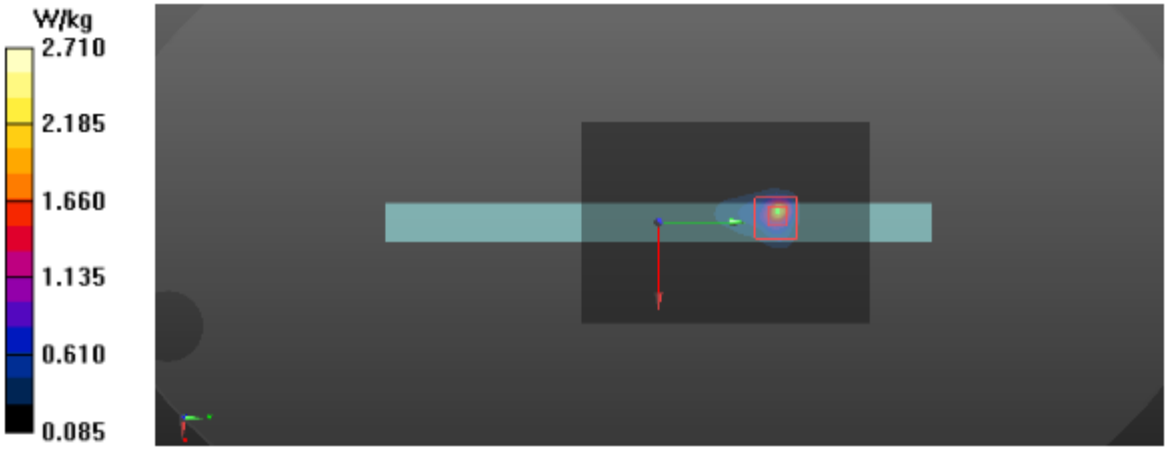
Communication System: UID 0, IEEE 802.11ac WIFI (80MHz,64-QAM,99pc duty cycle) (0); Frequency: 5290 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5290 MHz; σ = 5.443 S/m; ε_r = 47.225; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.4 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.51, 4.51, 4.51) @ 5290 MHz; Calibrated: 2019/9/9
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE4 Sn1390; Calibrated: 2019/10/29
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x16x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 2.19 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 8.183 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 4.09 W/kg
SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.406 W/kg
Maximum value of SAR (measured) = 2.71 W/kg



Test Laboratory: BTL Inc. Date: 2019/12/20

T59_802.11ac VHT80_CH106_Bottom Side_0cm_Tablet mode_Ant 1_southstar

DUT: Notebook;

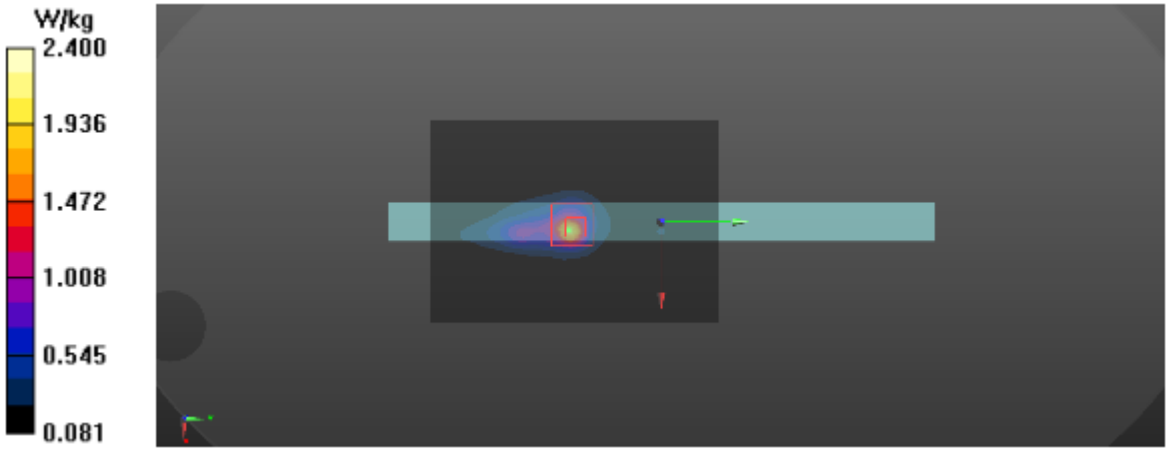
Communication System: UID 0, IEEE 802.11ac WIFI (80MHz,64-QAM,99pc duty cycle) (0); Frequency: 5530 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5530 MHz; σ = 5.778 S/m; ε_r = 46.691; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.4 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.26, 4.26, 4.26) @ 5530 MHz; Calibrated: 2019/9/9
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE4 Sn1390; Calibrated: 2019/10/29
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x16x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 2.03 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 8.846 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.88 W/kg
SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.438 W/kg
Maximum value of SAR (measured) = 2.40 W/kg



Test Laboratory: BTL Inc. Date: 2019/12/20

T67_802.11ac VHT80_CH106_Bottom Side_0cm_Tablet mode_Ant 2_southstar

DUT: Notebook;

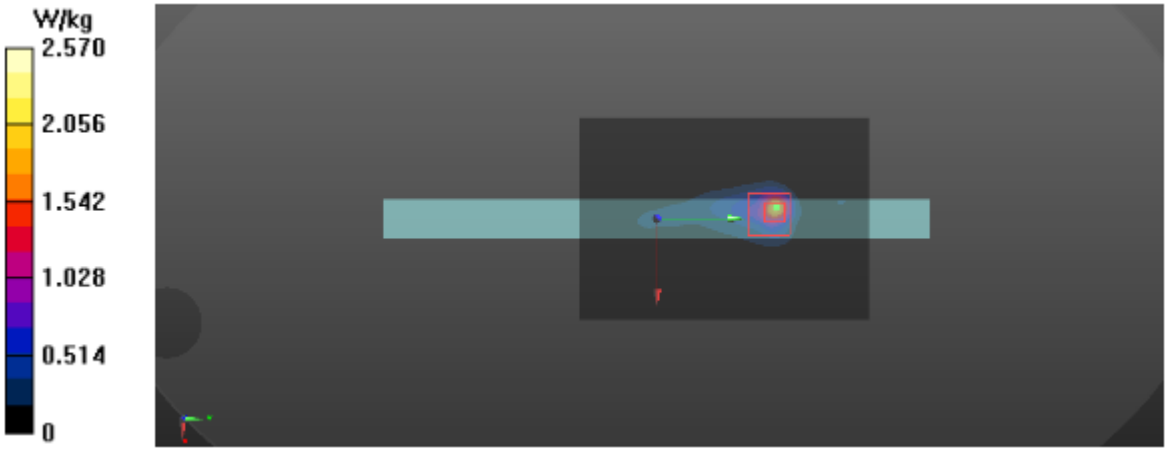
Communication System: UID 0, IEEE 802.11ac WIFI (80MHz,64-QAM,99pc duty cycle) (0); Frequency: 5530 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5530 MHz; σ = 5.778 S/m; ε_r = 46.691; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.4 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.1, 4.1, 4.1) @ 5610 MHz; Calibrated: 2019/9/9
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE4 Sn1390; Calibrated: 2019/10/29
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x16x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 2.04 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 6.386 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 8.11 W/kg
SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.319 W/kg
Maximum value of SAR (measured) = 2.57 W/kg



Test Laboratory: BTL Inc. Date: 2019/12/20

T75_802.11ac VHT80_CH155_Bottom Side_0cm_Tablet mode_Ant 1_southstar

DUT: Notebook;

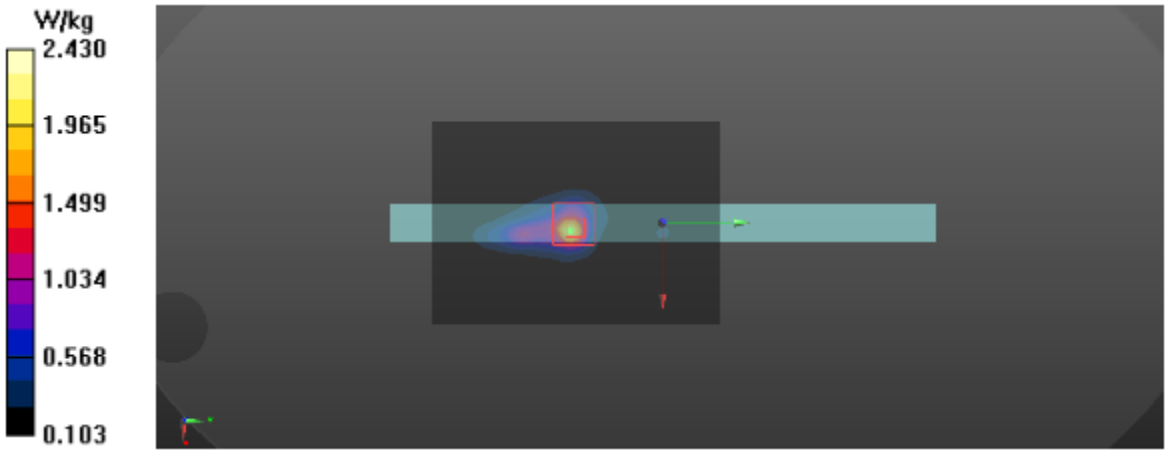
Communication System: UID 0, IEEE 802.11ac WIFI (80MHz,64-QAM,99pc duty cycle) (0); Frequency: 5775 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5775 MHz; σ = 6.135 S/m; ε_r = 46.258; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.4 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.13, 4.13, 4.13) @ 5775 MHz; Calibrated: 2019/9/9
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE4 Sn1390; Calibrated: 2019/10/29
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x16x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 2.19 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 9.095 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 4.01 W/kg
SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.445 W/kg
Maximum value of SAR (measured) = 2.43 W/kg



Test Laboratory: BTL Inc. Date: 2019/12/20

T82_802.11ac VHT80_CH155_Bottom Side_0cm_Tablet mode_Ant 2_southstar

DUT: Notebook;

Communication System: UID 0, IEEE 802.11ac WIFI (80MHz,64-QAM,99pc duty cycle) (0); Frequency: 5775 MHz; Duty Cycle: 1:1
Medium parameters used: f = 5775 MHz; σ = 6.135 S/m; ε_r = 46.258; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.4 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.13, 4.13, 4.13) @ 5775 MHz; Calibrated: 2019/9/9
- Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0
- Electronics: DAE4 Sn1390; Calibrated: 2019/10/29
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1222
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (12x16x1): Interpolated grid: dx=10 mm, dy=10 mm
Maximum value of SAR (interpolated) = 2.47 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 10.28 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 4.26 W/kg
SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.443 W/kg
Maximum value of SAR (measured) = 2.74 W/kg