

Test Laboratory: BTL.Inc

Date: 2020-01-03

T17_802.11b_CH11_Tip Side-90°_0.5cm_Ant 1**DUT: USB Adapter;**

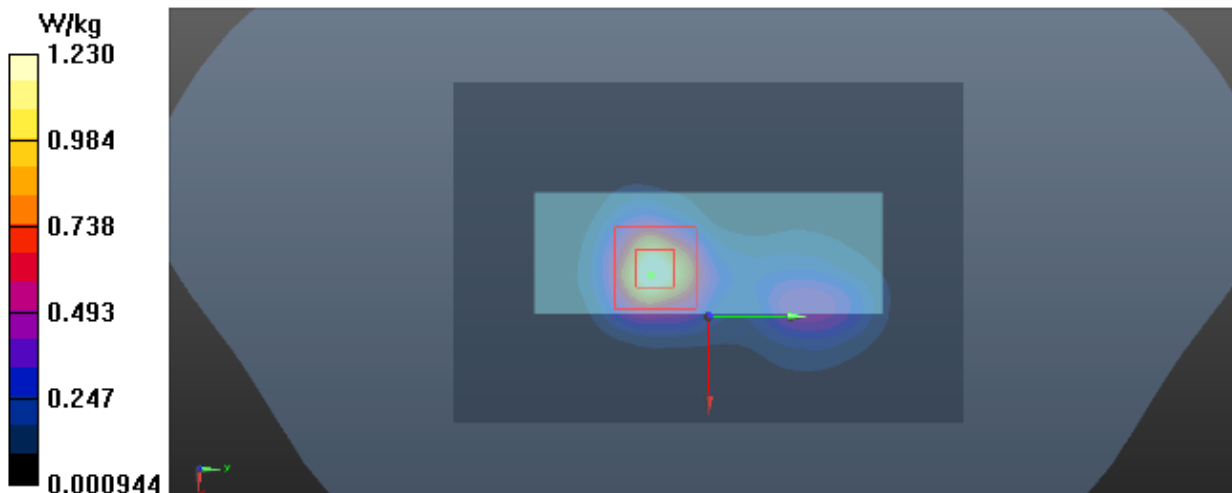
Communication System: UID 0, 802.11b (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462$ MHz; $\sigma = 1.861$ S/m; $\epsilon_r = 38.172$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(7.58, 7.58, 7.58) @ 2462 MHz; Calibrated: 2019-09-09
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2019-05-25
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (8x12x1): Interpolated grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (interpolated) = 1.35 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 11.01 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 2.80 W/kg
SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.430 W/kg
Maximum value of SAR (measured) = 1.23 W/kg



Test Laboratory: BTL, Inc

Date: 2020-01-03

T34_802.11n20_CH1_Tip Side-90°_0.5cm_Ant 1+2**DUT: USB Adapter;**

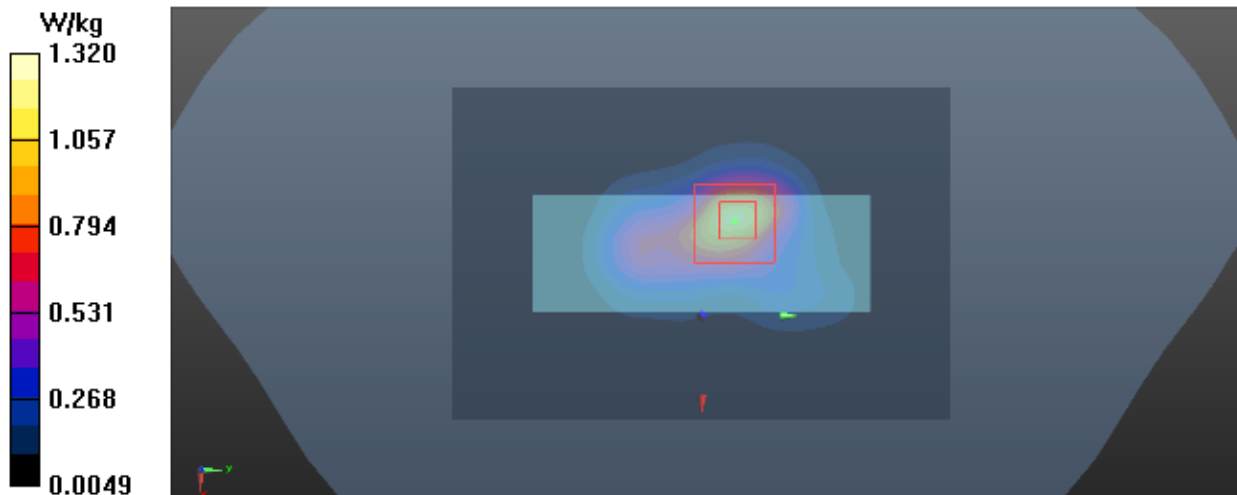
Communication System: UID 0, 802.11n (0); Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412$ MHz; $\sigma = 1.808$ S/m; $\epsilon_r = 38.369$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.4 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(7.58, 7.58, 7.58) @ 2412 MHz; Calibrated: 2019-09-09
- Sensor-Surface: 4mm (Mechanical Surface Detection), $z = 1.0, 31.0$
- Electronics: DAE4 Sn1390; Calibrated: 2019-05-25
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (8x12x1): Interpolated grid: $dx=12$ mm, $dy=12$ mm
Maximum value of SAR (interpolated) = 1.17 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 19.48 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 2.58 W/kg
SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.508 W/kg
Maximum value of SAR (measured) = 1.32 W/kg



Test Laboratory: BTL.Inc

Date: 2020-01-04

T53_802.11a_CH52_Horizontal-Down-0°_0.5cm_Ant 1**DUT: USB Adapter;**

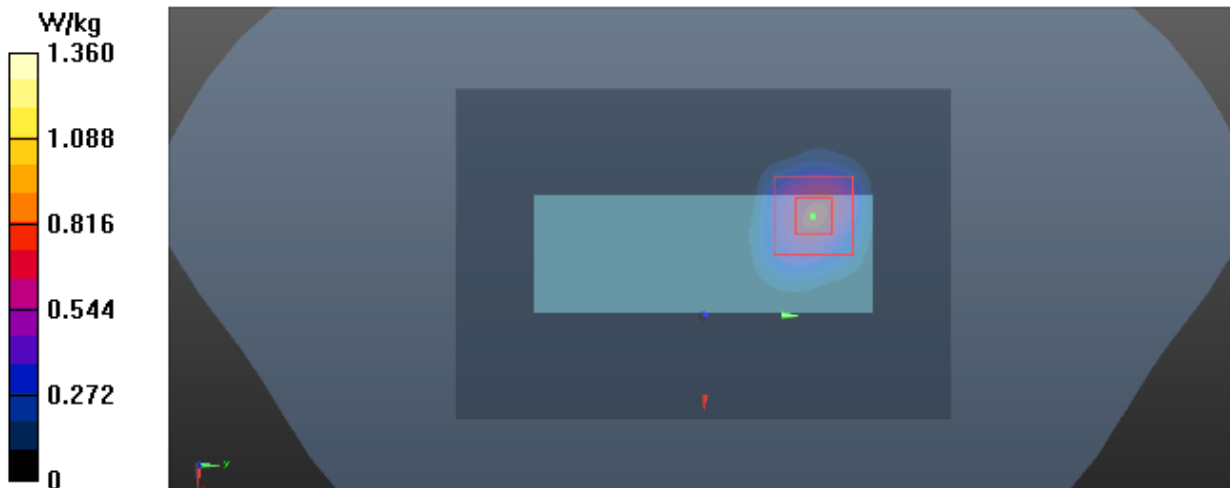
Communication System: UID 0, 802.11a (0); Frequency: 5260 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5260$ MHz; $\sigma = 4.901$ S/m; $\epsilon_r = 35.976$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.1 °C; Liquid Temperature : 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(5.21, 5.21, 5.21) @ 5260 MHz; Calibrated: 2019-09-09
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2019-05-25
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (10x15x1): Interpolated grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (interpolated) = 0.776 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
Reference Value = 0.4270 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 7.34 W/kg
SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.333 W/kg
Maximum value of SAR (measured) = 1.36 W/kg



Test Laboratory: BTL.Inc

Date: 2020-01-05

T64_802.11a_CH140_Tip Side-90°_0.5cm_Ant 1**DUT: USB Adapter;**

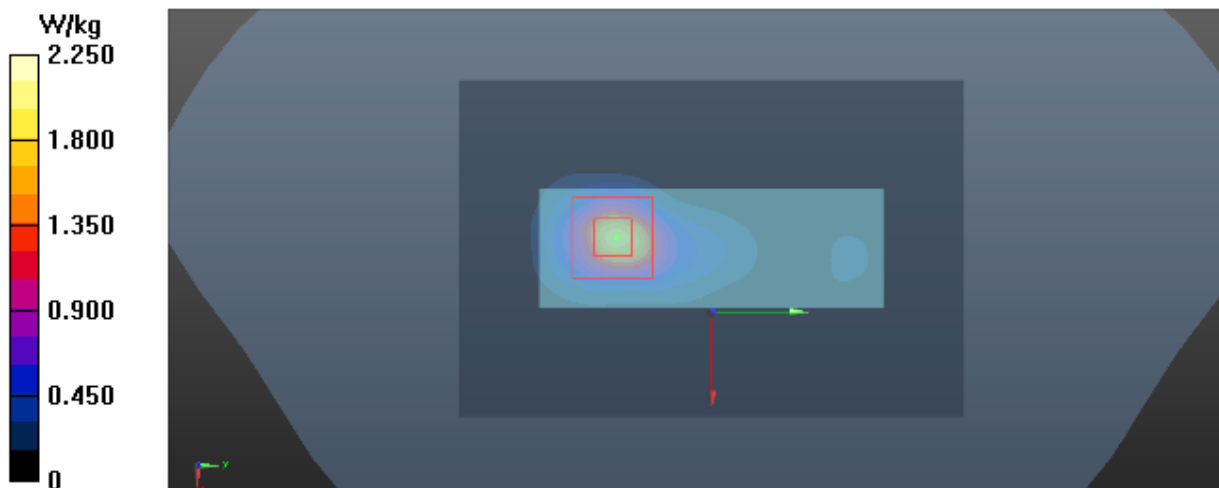
Communication System: UID 0, 802.11a (0); Frequency: 5700 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5700$ MHz; $\sigma = 5.386$ S/m; $\epsilon_r = 35.216$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.75, 4.75, 4.75) @ 5700 MHz; Calibrated: 2019-09-09
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2019-05-25
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (10x15x1): Interpolated grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (interpolated) = 1.91 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
Reference Value = 9.448 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 6.13 W/kg
SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.359 W/kg
Maximum value of SAR (measured) = 2.25 W/kg



Test Laboratory: BTL.Inc

Date: 2020-01-06

T89_802.11a_CH165_Horizontal-Down-0°_0.5cm_Ant 1**DUT: USB Adapter;**

Communication System: UID 0, 802.11a (0); Frequency: 5825 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5825$ MHz; $\sigma = 5.529$ S/m; $\epsilon_r = 35$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.75, 4.75, 4.75) @ 5825 MHz; Calibrated: 2019-09-09
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2019-05-25
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (10x15x1): Interpolated grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 2.70 W/kg

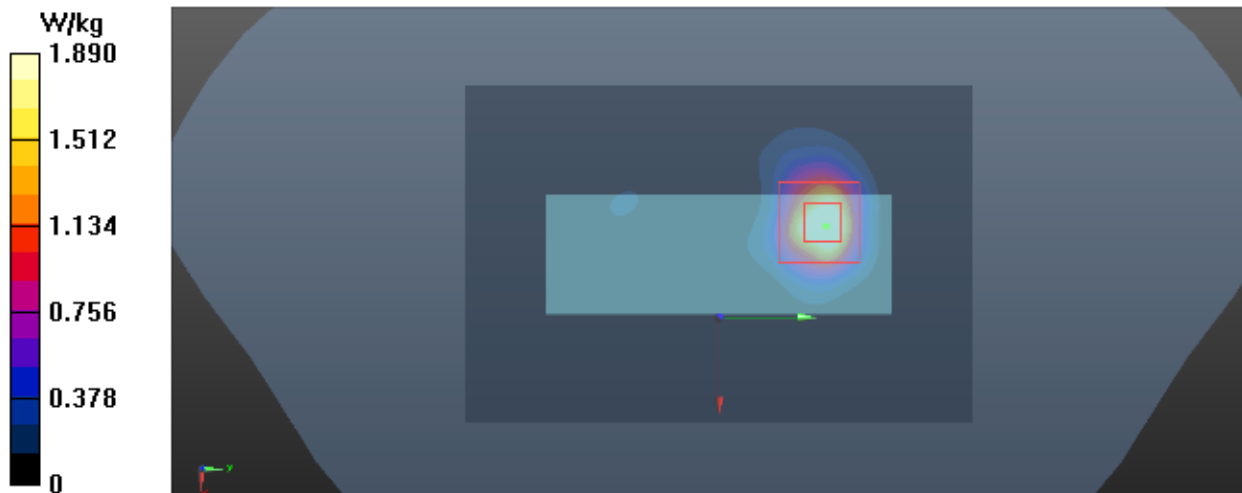
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 1.157 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.97 W/kg

SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.380 W/kg

Maximum value of SAR (measured) = 1.89 W/kg



Test Laboratory: BTL, Inc

Date: 2020-01-04

T92_802.11ac80_CH58_Horizontal-Down-0°_0.5cm_Ant 1+2**DUT: USB Adapter;**

Communication System: UID 0, 802.11ac (0); Frequency: 5290 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5290$ MHz; $\sigma = 4.937$ S/m; $\epsilon_r = 35.92$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 22.5 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(5.21, 5.21, 5.21) @ 5290 MHz; Calibrated: 2019-09-09
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2019-05-25
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (10x15x1): Interpolated grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 1.46 W/kg

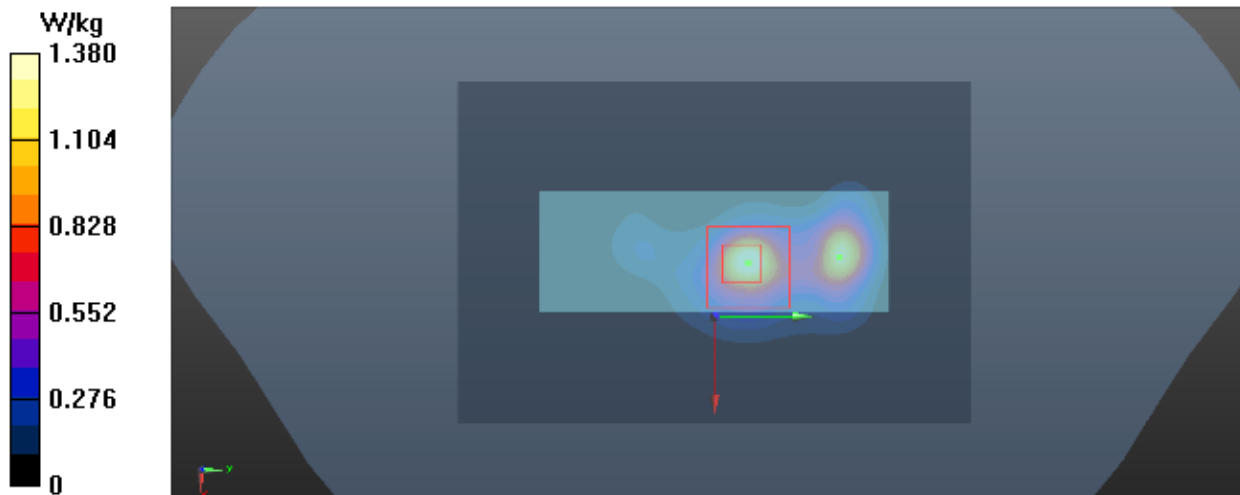
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 12.74 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 6.94 W/kg

SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.351 W/kg

Maximum value of SAR (measured) = 1.38 W/kg



Test Laboratory: BTL,Inc

Date: 2020-01-05

T116_802.11ac80_CH106_Tip Side-90°_0.5cm_Ant 1+2**DUT: USB Adapter;**

Communication System: UID 0, 802.11ac (0); Frequency: 5530 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5530$ MHz; $\sigma = 5.197$ S/m; $\epsilon_r = 35.52$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.95, 4.95, 4.95) @ 5530 MHz; Calibrated: 2019/9/9
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2019/5/25
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (10x15x1): Interpolated grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 1.78 W/kg

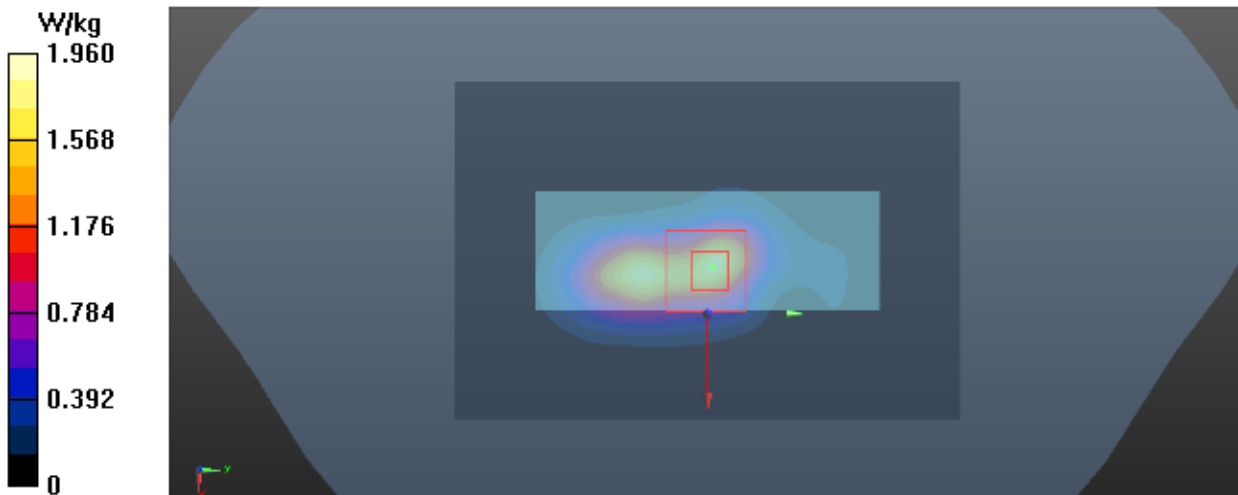
Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm

Reference Value = 16.99 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 5.18 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.353 W/kg

Maximum value of SAR (measured) = 1.96 W/kg



Test Laboratory: BTL.Inc

Date: 2020-01-06

T125_802.11ac80_CH155_Horizontal-Down-0°_0.5cm_Ant 1+2

DUT: USB Adapter;

Communication System: UID 0, 802.11ac (0); Frequency: 5775 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5775$ MHz; $\sigma = 5.468$ S/m; $\epsilon_r = 35.084$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 22.2 °C

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(4.75, 4.75, 4.75) @ 5775 MHz; Calibrated: 2019-09-09
- Sensor-Surface: 2mm (Mechanical Surface Detection), $z = 1.0, 23.0$
- Electronics: DAE4 Sn1390; Calibrated: 2019-05-25
- Phantom: SAM Left v5.0; Type: Twin SAM; Serial: TP:1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (10x15x1): Interpolated grid: $dx=10$ mm, $dy=10$ mm
Maximum value of SAR (interpolated) = 2.06 W/kg

Zoom Scan (7x7x12)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=2$ mm
Reference Value = 14.06 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 3.54 W/kg
SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.401 W/kg
Maximum value of SAR (measured) = 1.62 W/kg

