Test Laboratory: BTL Date: 2022/11/22

Bluetooth

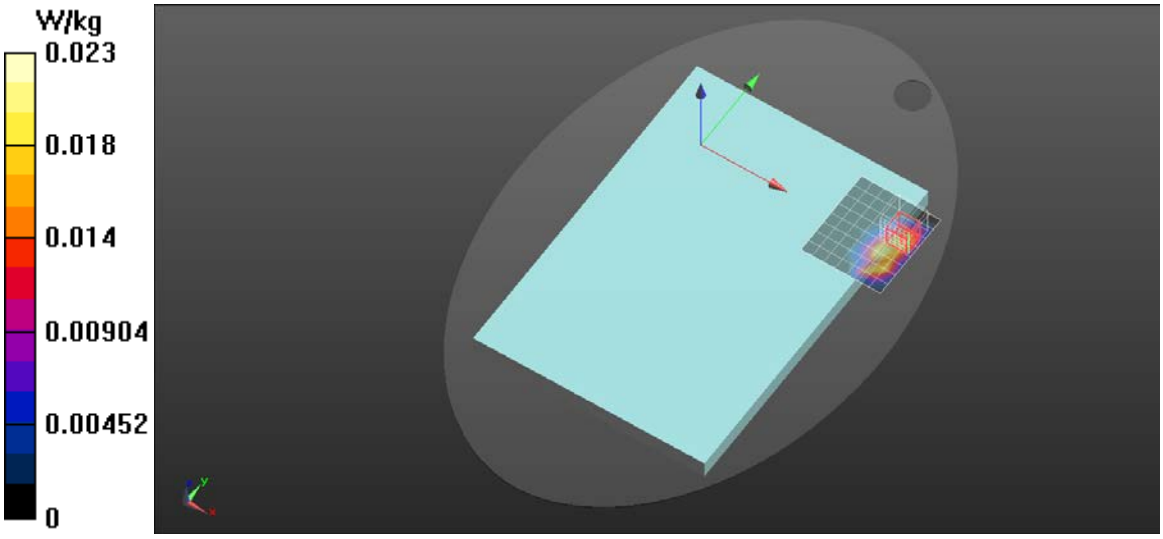
Frequency: 2480 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 2480 MHz; σ = 1.872 S/m; ε_r = 40.428; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1289; Calibrated: 2022/5/31
- Probe: EX3DV4 - SN7678; ConvF(8.34, 8.34, 8.34) @ 2480 MHz; Calibrated: 2022/8/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 1897

Notebook/Aux/Bottom/Bluetooth_CH78/Area Scan (8x9x1):

Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0226 W/kg

Notebook/Aux/Bottom/Bluetooth_CH78/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.0310 W/kg
SAR(1 g) = 0.00726 W/kg; SAR(10 g) = 0.00206 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 15 mm)
Ratio of SAR at M2 to SAR at M1 = 39.3%
Maximum value of SAR (measured) = 0.0208 W/kg



Test Laboratory: BTL Date: 2022/11/22

Wifi_2.4G

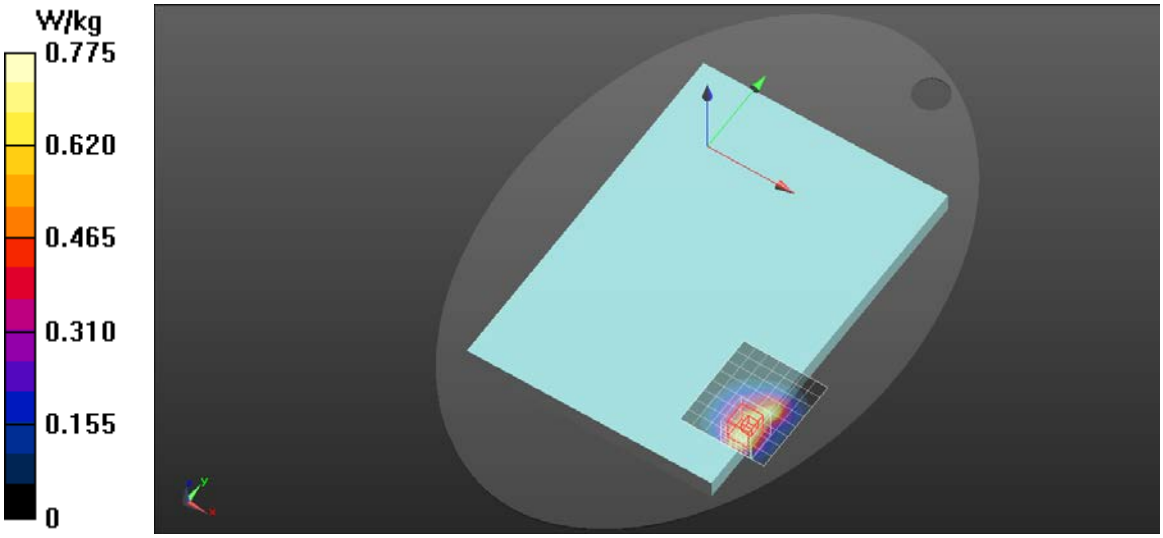
Frequency: 2437 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.826 S/m; ε_r = 40.615; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1289; Calibrated: 2022/5/31
- Probe: EX3DV4 - SN7678; ConvF(8.34, 8.34, 8.34) @ 2437 MHz; Calibrated: 2022/8/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 1897

Notebook/Main/Bottom/802.11b _CH6/Area Scan (8x9x1):

Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.775 W/kg

Notebook/Main/Bottom/802.11b _CH6/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.463 W/kg; SAR(10 g) = 0.242 W/kg
Smallest distance from peaks to all points 3 dB below = 11 mm
Ratio of SAR at M2 to SAR at M1 = 53.2%
Maximum value of SAR (measured) = 0.853 W/kg



Test Laboratory: BTL Date: 2022/11/22

Wifi_2.4G

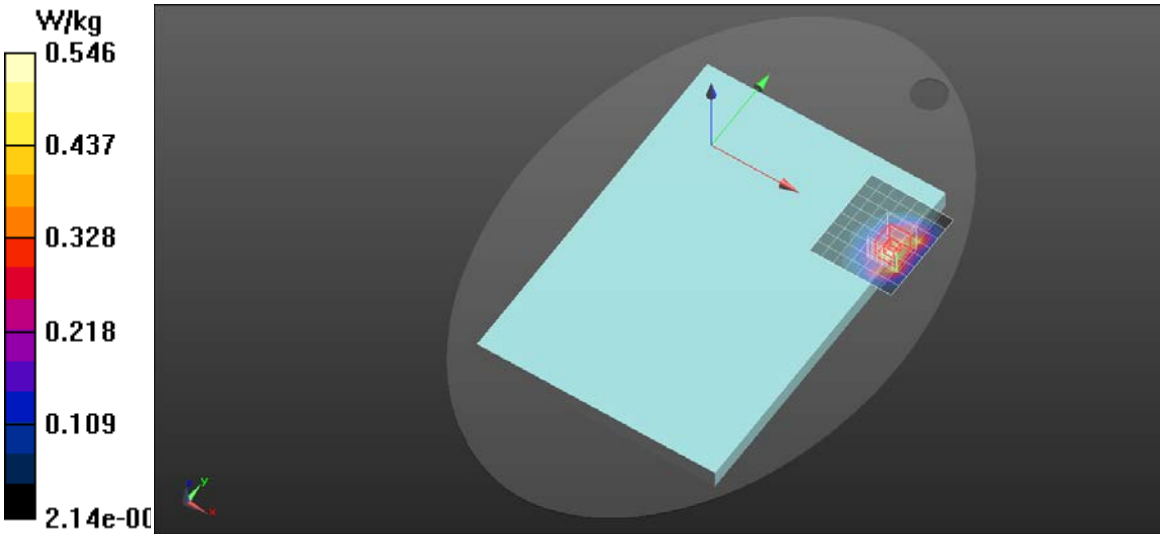
Frequency: 2437 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 2437 MHz; σ = 1.826 S/m; ε_r = 40.615; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1289; Calibrated: 2022/5/31
- Probe: EX3DV4 - SN7678; ConvF(8.34, 8.34, 8.34) @ 2437 MHz; Calibrated: 2022/8/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 1897

Notebook/Aux/Bottom/802.11b_CH6/Area Scan (8x9x1):

Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.546 W/kg

Notebook/Aux/Bottom/802.11b_CH6/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.550 W/kg
SAR(1 g) = 0.284 W/kg; SAR(10 g) = 0.141 W/kg
Smallest distance from peaks to all points 3 dB below = 11 mm
Ratio of SAR at M2 to SAR at M1 = 52.8%
Maximum value of SAR (measured) = 0.446 W/kg



Test Laboratory: BTL Date: 2022/11/21

Wifi_5G

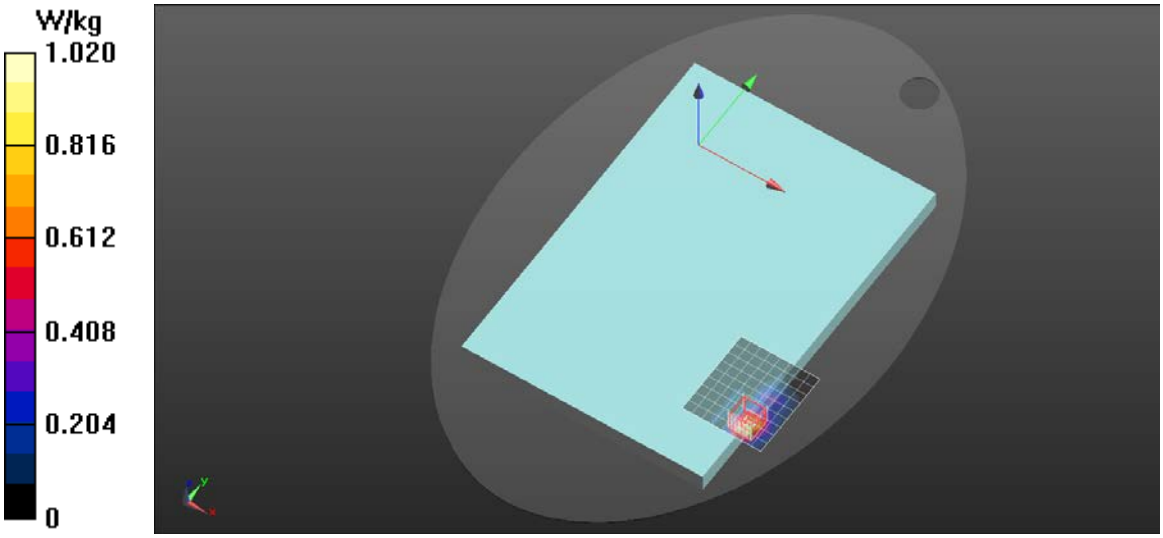
Frequency: 5300 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used: f = 5300 MHz; σ = 4.64 S/m; ε_r = 36.922; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1289; Calibrated: 2022/5/31
- Probe: EX3DV4 - SN7678; ConvF(5.5, 5.5, 5.5) @ 5300 MHz; Calibrated: 2022/8/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 1897

Notebook/Main/Bottom/802.11a_CH60/Area Scan (9x10x1):

Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.02 W/kg

Notebook/Main/Bottom/802.11a_CH60/Zoom Scan (7x7x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.85 W/kg
SAR(1 g) = 0.506 W/kg; SAR(10 g) = 0.168 W/kg
Smallest distance from peaks to all points 3 dB below = 8.4 mm
Ratio of SAR at M2 to SAR at M1 = 55.9%
Maximum value of SAR (measured) = 1.14 W/kg



Test Laboratory: BTL Date: 2022/11/21

Wifi_5G

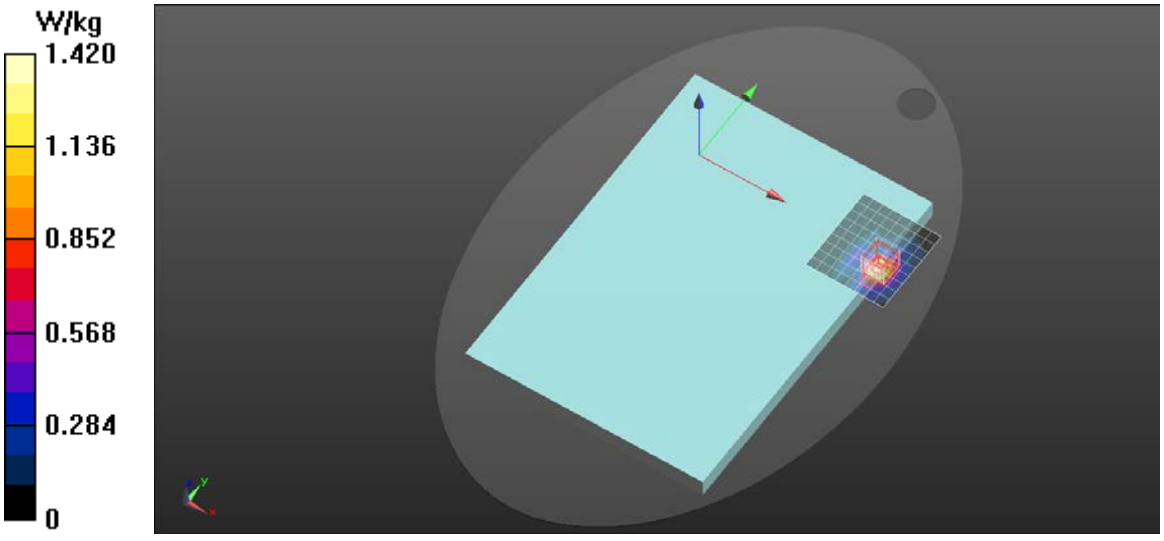
Frequency: 5310 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 5310 MHz; σ = 4.647 S/m; ε_r = 36.897; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1289; Calibrated: 2022/5/31
- Probe: EX3DV4 - SN7678; ConvF(5.5, 5.5, 5.5) @ 5310 MHz; Calibrated: 2022/8/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 1897

Notebook/Aux/Bottom/802.11n40 _CH62/Area Scan (9x10x1):

Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.42 W/kg

Notebook/Aux/Bottom/802.11n40 _CH62/Zoom Scan (7x7x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 2.43 W/kg
SAR(1 g) = 0.667 W/kg; SAR(10 g) = 0.234 W/kg
Smallest distance from peaks to all points 3 dB below = 8.2 mm
Ratio of SAR at M2 to SAR at M1 = 55%
Maximum value of SAR (measured) = 1.50 W/kg



Test Laboratory: BTL Date: 2022/11/21

Wifi_5G

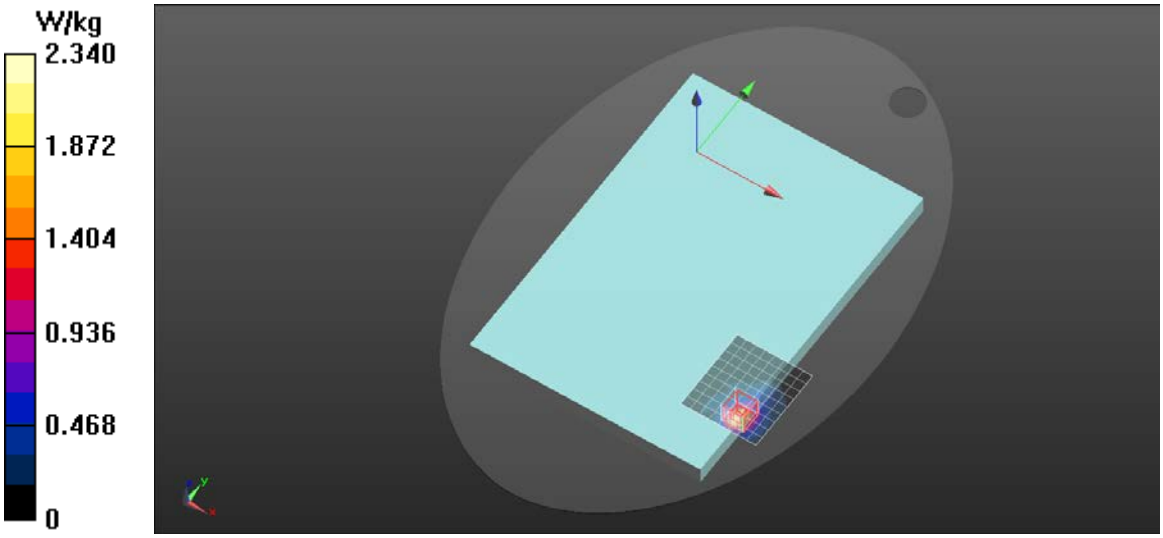
Frequency: 5690 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 5690 MHz; σ = 5.082 S/m; ε_r = 36.225; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1289; Calibrated: 2022/5/31
- Probe: EX3DV4 - SN7678; ConvF(4.95, 4.95, 4.95) @ 5690 MHz; Calibrated: 2022/8/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 1897

Notebook/Main/Bottom/802.11ac80 _CH138/Area Scan (9x10x1):

Measurement grid: dx=10mm, dy=10mm.
Maximum value of SAR (measured) = 2.34 W/kg

Notebook/Main/Bottom/802.11ac80 _CH138/Zoom Scan (7x7x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 4.08 W/kg
SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.361 W/kg
Smallest distance from peaks to all points 3 dB below = 8.8 mm
Ratio of SAR at M2 to SAR at M1 = 51.6%
Maximum value of SAR (measured) = 2.39 W/kg



Test Laboratory: BTL Date: 2022/11/21

Wifi_5G

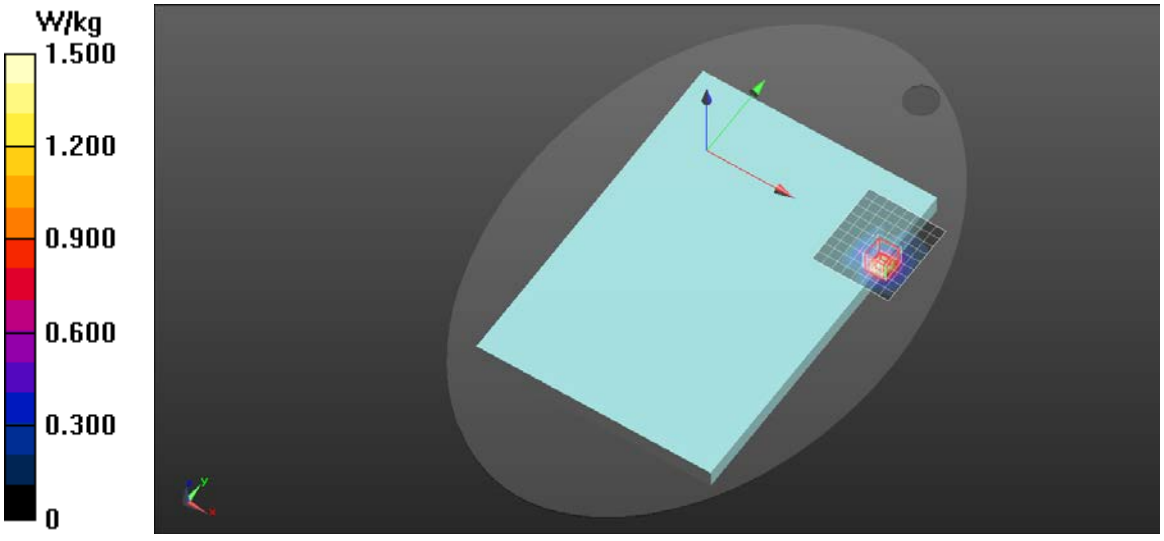
Frequency: 5690 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 5690 MHz; σ = 5.082 S/m; ε_r = 36.225; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1289; Calibrated: 2022/5/31
- Probe: EX3DV4 - SN7678; ConvF(4.95, 4.95, 4.95) @ 5690 MHz; Calibrated: 2022/8/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 1897

Notebook/Aux/Bottom/802.11ac80_CH138/Area Scan (9x10x1):

Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.50 W/kg

Notebook/Aux/Bottom/802.11ac80_CH138/Zoom Scan (7x7x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 3.45 W/kg
SAR(1 g) = 0.842 W/kg; SAR(10 g) = 0.288 W/kg
Smallest distance from peaks to all points 3 dB below = 9.1 mm
Ratio of SAR at M2 to SAR at M1 = 51.1%
Maximum value of SAR (measured) = 2.02 W/kg



Test Laboratory: BTL Date: 2022/11/21

Wifi_5G

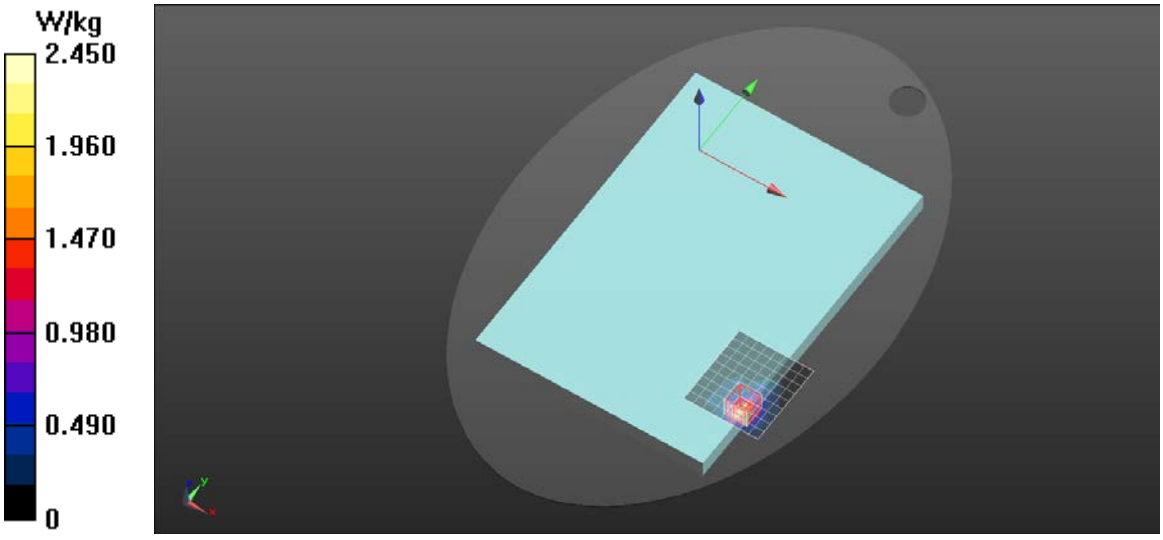
Frequency: 5795 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 5795 MHz; σ = 5.205 S/m; ε_r = 36.045; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1289; Calibrated: 2022/5/31
- Probe: EX3DV4 - SN7678; ConvF(5, 5, 5) @ 5795 MHz; Calibrated: 2022/8/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 1897

Notebook/Main/Bottom/802.11n40 _CH159/Area Scan (9x10x1):

Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.45 W/kg

Notebook/Main/Bottom/802.11n40 _CH159/Zoom Scan (7x7x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 4.27 W/kg
SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.344 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 50.8%
Maximum value of SAR (measured) = 2.39 W/kg



Test Laboratory: BTL Date: 2022/11/21

Wifi_5G

Frequency: 5795 MHz; Duty Cycle: 1:1; Room Ambient Temperature: 23.0°C; Liquid Temperature: 22.0°C
Medium parameters used (interpolated): f = 5795 MHz; σ = 5.205 S/m; ε_r = 36.045; ρ = 1000 kg/m^3
DASY5 Configuration:
- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1289; Calibrated: 2022/5/31
- Probe: EX3DV4 - SN7678; ConvF(5, 5, 5) @ 5795 MHz; Calibrated: 2022/8/30
- Sensor-Surface: 1.4mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Phantom: ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 1897

Notebook/Aux/Bottom/802.11n40 _CH159/Area Scan (9x10x1):

Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 1.93 W/kg

Notebook/Aux/Bottom/802.11n40_CH159/Zoom Scan (7x7x12)/Cube 0:

Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 3.47 W/kg
SAR(1 g) = 0.871 W/kg; SAR(10 g) = 0.310 W/kg
Smallest distance from peaks to all points 3 dB below = 9.6 mm
Ratio of SAR at M2 to SAR at M1 = 51.7%
Maximum value of SAR (measured) = 2.08 W/kg