

#01_WLAN2.4GHz_802.11b 1Mbps_Bottom of Laptop_0mm_Ch11;Ant 1

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1.003

Medium: HSL_2450_221111 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.769$ S/m; $\epsilon_r = 38.967$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7590; ConvF(7.82, 7.82, 7.82) @ 2462 MHz; Calibrated: 2022/3/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2022/2/24
- 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 (81x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.57 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.52 V/m; Power Drift = -0.15 dB

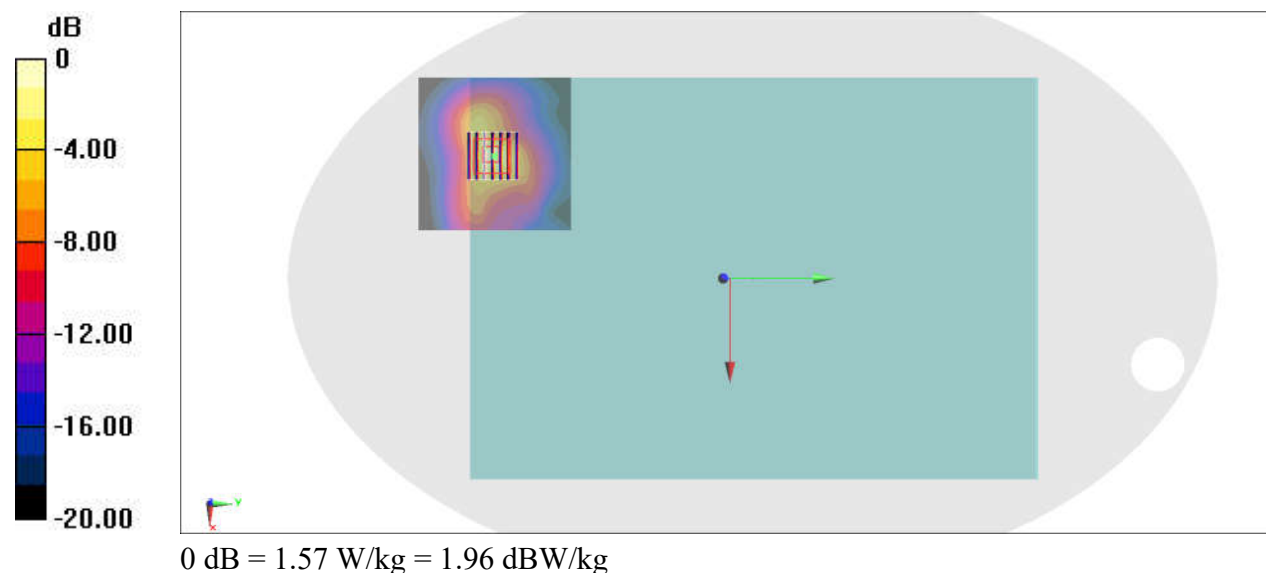
Peak SAR (extrapolated) = 2.23 W/kg

SAR(1 g) = 0.881 W/kg; SAR(10 g) = 0.366 W/kg

Smallest distance from peaks to all points 3 dB below = 6.7 mm

Ratio of SAR at M2 to SAR at M1 = 38.4%

Maximum value of SAR (measured) = 1.59 W/kg



#02_WLAN5GHz_802.11ac-VHT80 MCS0_Bottom of Laptop_0mm_Ch58;Ant 2

Communication System: IEEE 802.11ac WiFi ; Frequency: 5290.0 MHz; Duty Cycle: 1:1.112

Medium: HSL_5G_221123 Medium parameters used: $f = 5290.0$ MHz; $\sigma = 4.72$ S/m; $\epsilon_r = 36.3$

Ambient Temperature: 23.5°C; Liquid Temperature: 22.5°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7590; ConvF(5.5, 5.5, 5.5); Calibrated: 2022-03-28
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1399; Calibrated: 2022-02-28
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2155; Section: Flat
- Measurement Software: 16.2.2.1588
- UID: WLAN, 10544-AAC

Area Scan (120.0 mm x 120.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 0.565 W/kg; SAR (10g) = 0.258 W/kg;

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

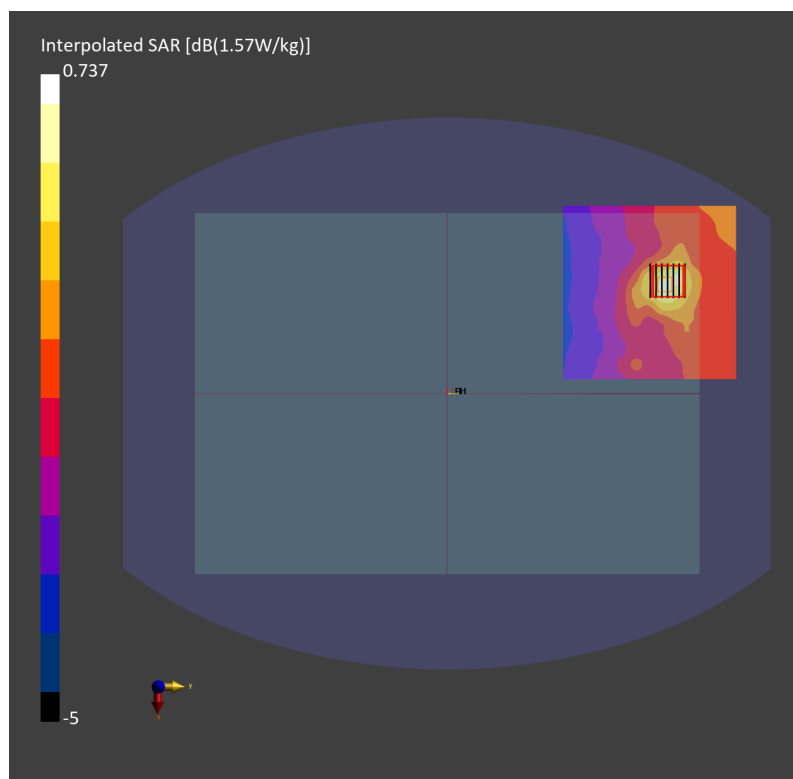
Power Drift = 0.06 dB

SAR (1g) = 0.730 W/kg; SAR (8g) = 0.569 W/kg; SAR (10g) = 0.559 W/kg

Smallest distance from peaks to all points 3 dB below = 7.3 mm

Ratio of SAR at M2 to SAR at M1 = 75.3 %

psAPD (1.0cm², sq) = n/a [W/m²]; psAPD (4.0cm², sq) = n/a [W/m²]



#03_WLAN5GHz_802.11ac-VHT80 MCS0_Bottom of Laptop_0mm_Ch138;Ant 2

Communication System: IEEE 802.11ac WiFi ; Frequency: 5690.0 MHz; Duty Cycle: 1:1.112

Medium: HSL_5G_221123 Medium parameters used: $f = 5690.0$ MHz; $\sigma = 5.13$ S/m; $\epsilon_r = 35.7$

Ambient Temperature: 23.5°C; Liquid Temperature: 22.5°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7590; ConvF(4.98, 4.98, 4.98); Calibrated: 2022-03-28
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1399; Calibrated: 2022-02-28
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2155; Section: Flat
- Measurement Software: 16.2.2.1588
- UID: WLAN, 10544-AAC

Area Scan (120.0 mm x 120.0 mm): Measurement Grid: 10.0 mm x 10.0 mm

SAR (1g) = 0.308 W/kg; SAR (10g) = 0.118 W/kg;

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement Grid: 4.0 mm x 4.0 mm x 1.4 mm

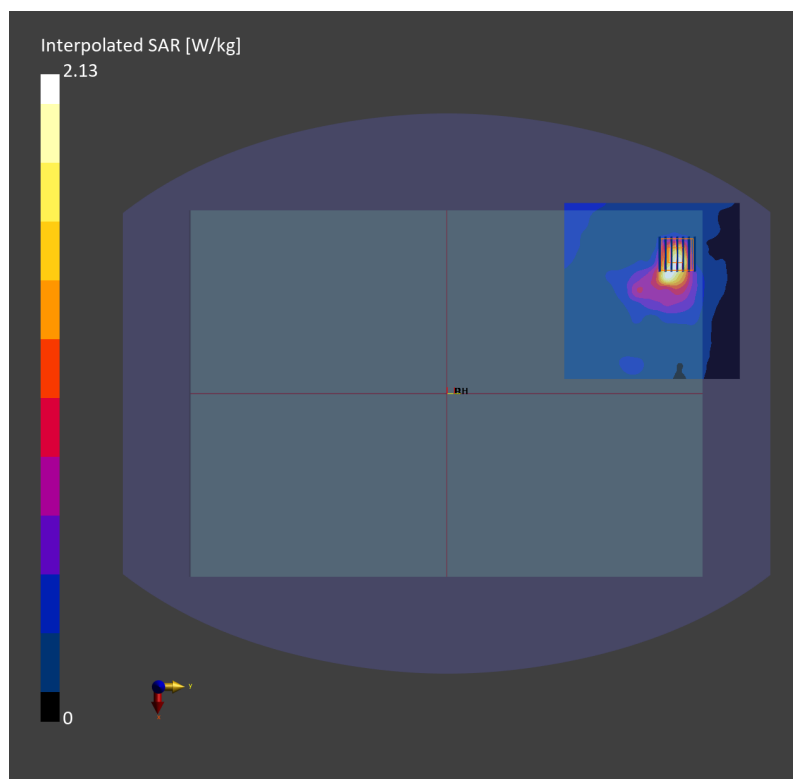
Power Drift = -0.02 dB

SAR (1g) = 0.485 W/kg; SAR (8g) = 0.156 W/kg; SAR (10g) = 0.137 W/kg

Smallest distance from peaks to all points 3 dB below = 4.9 mm

Ratio of SAR at M2 to SAR at M1 = 65.7 %

psAPD (1.0cm², sq) = n/a [W/m²]; psAPD (4.0cm², sq) = n/a [W/m²]



#04_WLAN5GHz_802.11ac-VHT80 MCS0_Bottom of Laptop_0mm_Ch155;Ant 2

Communication System: 802.11ac; Frequency: 5775 MHz; Duty Cycle: 1:1.112

Medium: HSL_5G_221110 Medium parameters used: $f = 5775$ MHz; $\sigma = 5.257$ S/m; $\epsilon_r = 36.06$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.8 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7590; ConvF(5.23, 5.23, 5.23) @ 5775 MHz; Calibrated: 2022/3/28
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn699; Calibrated: 2022/2/24
- 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: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.10 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 7.166 V/m; Power Drift = -0.17 dB

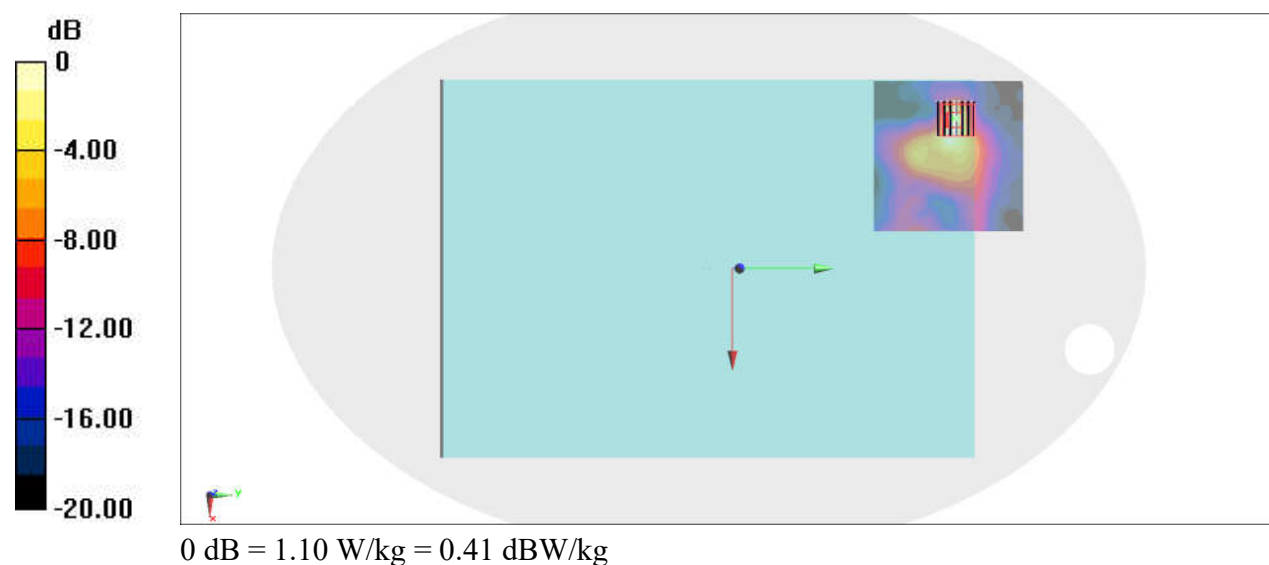
Peak SAR (extrapolated) = 2.97 W/kg

SAR(1 g) = 0.589 W/kg; SAR(10 g) = 0.132 W/kg

Smallest distance from peaks to all points 3 dB below = 4.8 mm

Ratio of SAR at M2 to SAR at M1 = 64.1%

Maximum value of SAR (measured) = 1.79 W/kg



#05_Bluetooth_1Mbps_Bottom of Laptop_0mm_Ch0;Ant 2

Communication System: Bluetooth ; Frequency: 2402.0 MHz; Duty Cycle: 1:1.302
Medium: HSL_2450_221123 Medium parameters used: $f = 2402.0$ MHz; $\sigma = 1.71$ S/m; $\epsilon_r = 38.8$
Ambient Temperature: 23.5°C; Liquid Temperature: 22.5°C

DASY6 Configuration:

- Probe: EX3DV4 - SN7590; ConvF(7.82, 7.82, 7.82); Calibrated: 2022-03-28
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1399; Calibrated: 2022-02-28
- Phantom: ELI V8.0 (20deg probe tilt); Serial: 2155; Section: Flat
- Measurement Software: 16.2.2.1588
- UID: Bluetooth, 10030-CAA

Area Scan (120.0 mm x 120.0 mm): Measurement Grid: 10.0 mm x 10.0 mm
SAR (1g) = 0.189 W/kg; SAR (10g) = 0.101 W/kg;

Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement Grid: 5.0 mm x 5.0 mm x 1.5 mm
Power Drift = -0.00 dB
SAR (1g) = 0.212 W/kg; SAR (8g) = 0.161 W/kg; SAR (10g) = 0.156 W/kg
Smallest distance from peaks to all points 3 dB below = 9.5 mm
Ratio of SAR at M2 to SAR at M1 = 87.0 %
psAPD (1.0cm², sq) = n/a [W/m²]; psAPD (4.0cm², sq) = n/a [W/m²]

