

#01_WLAN2.4GHz_802.11b 1Mbps_Edge 3_0mm_Ch6

Communication System: 802.11b ; Frequency: 2437 MHz; Duty Cycle: 1:1.014

Medium: HSL_2450_191106 Medium parameters used : $f = 2437$ MHz; $\sigma = 1.855$ S/m; $\epsilon_r = 39.323$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(7.7, 7.7, 7.7) @ 2437 MHz; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: ELI V4.0; Type: QD OVA 001 BB; Serial: 1025
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (71x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.14 W/kg

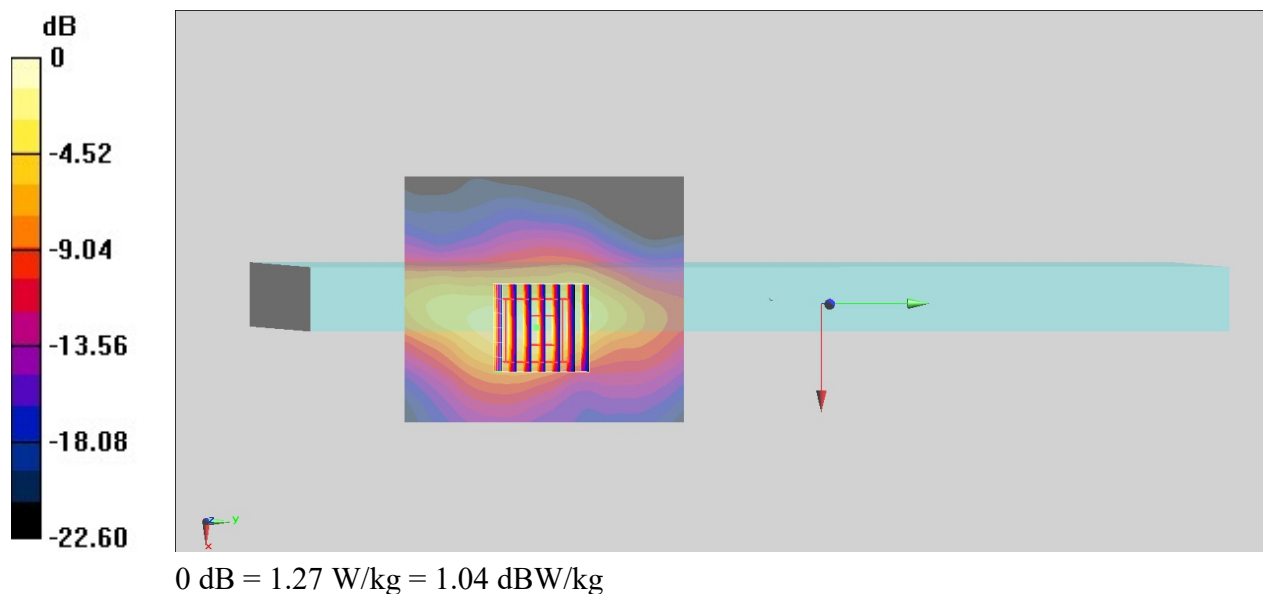
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.282 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 0.717 W/kg; SAR(10 g) = 0.320 W/kg

Maximum value of SAR (measured) = 1.27 W/kg



#02_WLAN5GHz_802.11a 6Mbps_Bottom of Laptop_0mm_Ch56

Communication System: 802.11a ; Frequency: 5280 MHz; Duty Cycle: 1:1.019

Medium: HSL_5G_191107 Medium parameters used: $f = 5280$ MHz; $\sigma = 4.697$ S/m; $\epsilon_r = 36.563$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(5.43, 5.43, 5.43) @ 5280 MHz; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: ELI V4.0; Type: QD OVA 001 BB; Serial: 1025
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (101x141x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 2.39 W/kg

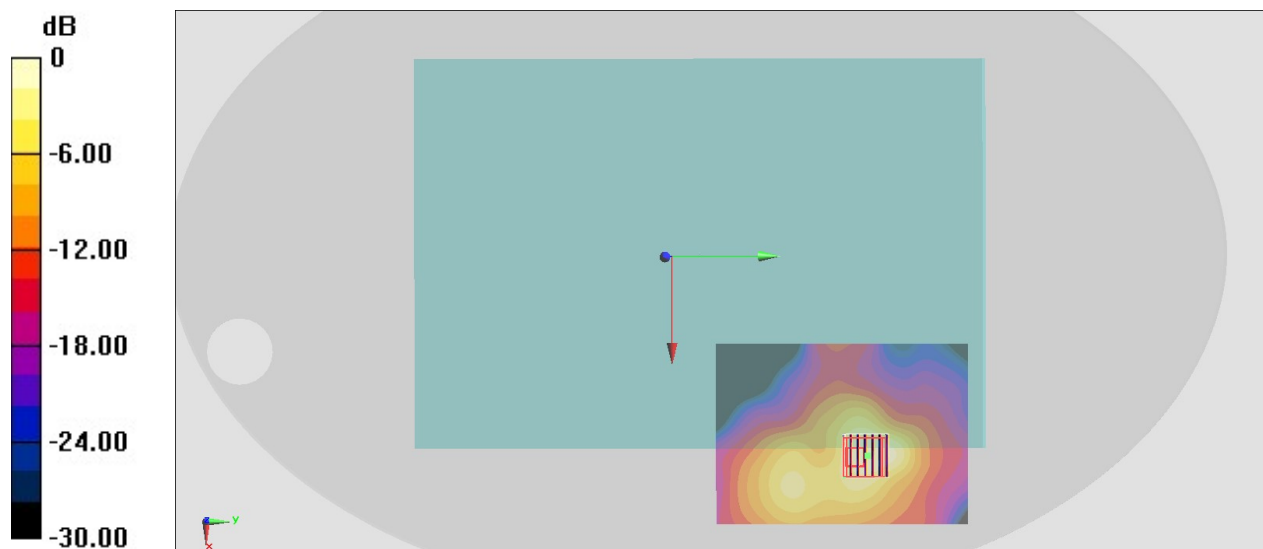
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.63 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.343 W/kg

Maximum value of SAR (measured) = 2.30 W/kg



#03_WLAN5GHz_802.11ac-VHT80 MCS0_Bottom of Laptop_0mm_Ch122

Communication System: 802.11ac ; Frequency: 5610 MHz; Duty Cycle: 1:1.098

Medium: HSL_5G_191107 Medium parameters used : $f = 5610$ MHz; $\sigma = 5.028$ S/m; $\epsilon_r = 36.116$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.86, 4.86, 4.86) @ 5610 MHz; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: ELI V4.0; Type: QD OVA 001 BB; Serial: 1025
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (101x101x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.81 W/kg

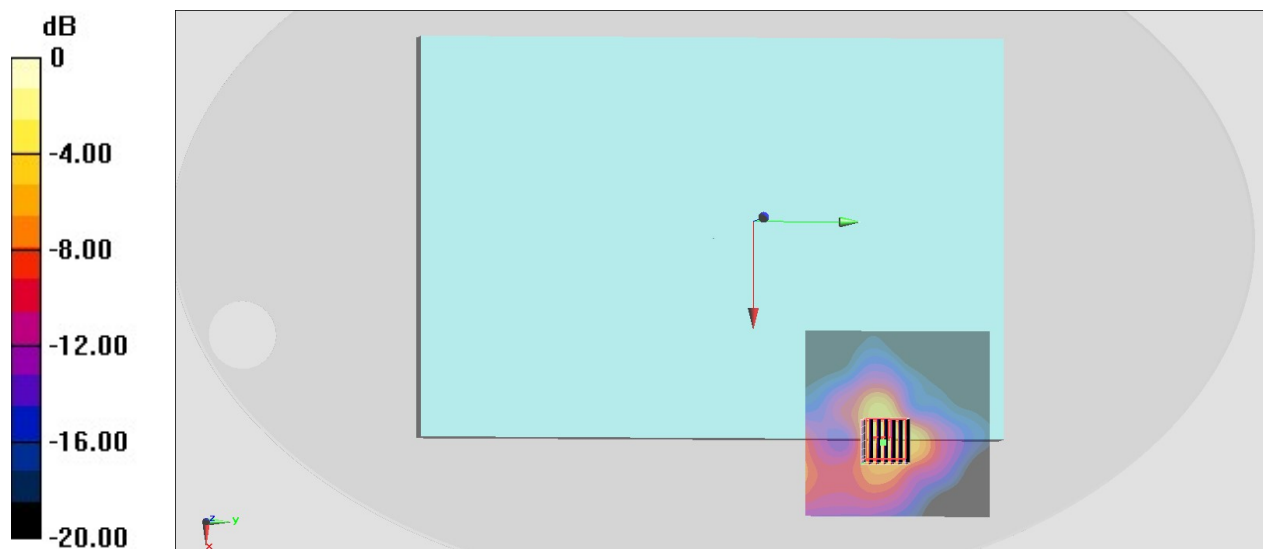
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 4.90 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.300 W/kg

Maximum value of SAR (measured) = 2.69 W/kg



0 dB = 2.69 W/kg = 4.30 dBW/kg

#04_WLAN5GHz_802.11ac-VHT80 MCS0_Bottom of Laptop_0mm_Ch155

Communication System: 802.11ac ; Frequency: 5775 MHz; Duty Cycle: 1:1.098

Medium: HSL_5G_191107 Medium parameters used: $f = 5775$ MHz; $\sigma = 5.215$ S/m; $\epsilon_r = 35.917$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.95, 4.95, 4.95) @ 5775 MHz; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: ELI V4.0; Type: QD OVA 001 BB; Serial: 1025
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (101x101x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

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

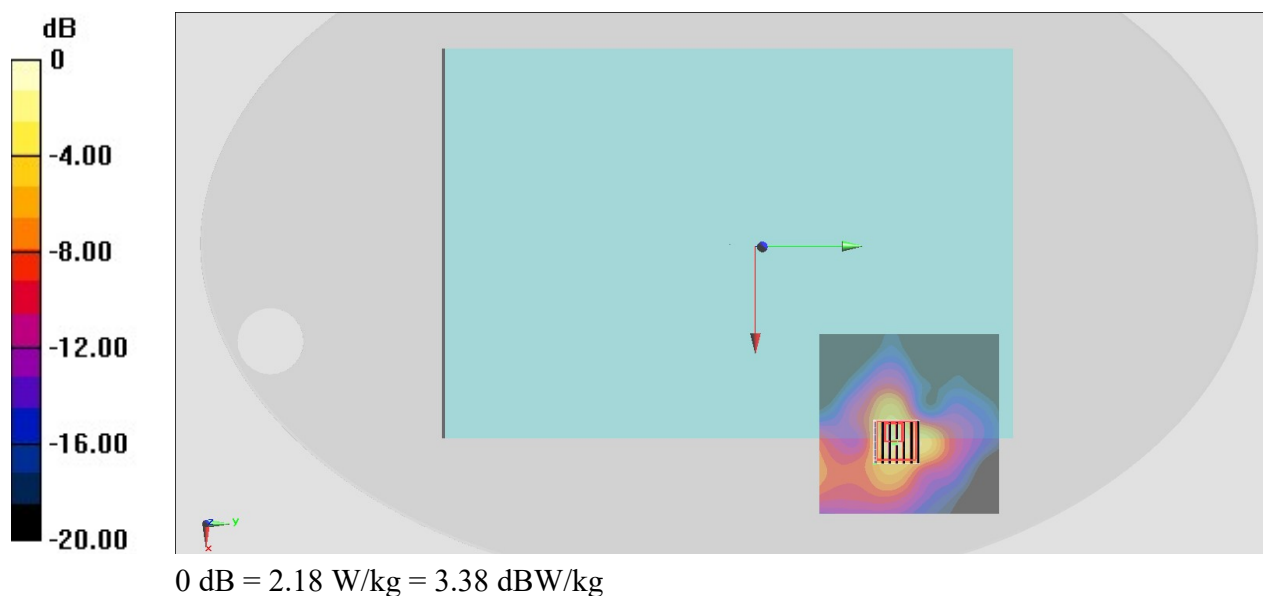
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.97 W/kg

SAR(1 g) = 0.837 W/kg; SAR(10 g) = 0.279 W/kg

Maximum value of SAR (measured) = 2.18 W/kg



#05_Bluetooth_1Mbps_Edge 3_0mm_Ch0

Communication System: Bluetooth ; Frequency: 2402 MHz; Duty Cycle: 1:1.301

Medium: HSL_2450_191108 Medium parameters used : $f = 2402$ MHz; $\sigma = 1.721$ S/m; $\epsilon_r = 40.727$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(7.7, 7.7, 7.7) @ 2402 MHz; Calibrated: 1/29/2019
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 1/24/2019
- Phantom: ELI V4.0; Type: QD OVA 001 BB; Serial: 1025
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

Area Scan (71x81x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.119 W/kg

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

Reference Value = 0.8620 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.164 W/kg

SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.031 W/kg

Maximum value of SAR (measured) = 0.124 W/kg

