

#01_WLAN2.4GHz_802.11b 1Mbps_Edge 3_0mm_Ch11;Ant 1+2

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1.007

Medium: MSL_2450_180710 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.97$ S/m; $\epsilon_r = 53.197$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(7.8, 7.8, 7.8); Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn778; Calibrated: 2018/5/25
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1131
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7437)

Area Scan (81x241x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.706 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.72 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.17 W/kg

SAR(1 g) = 0.748 W/kg; SAR(10 g) = 0.289 W/kg

Maximum value of SAR (measured) = 1.48 W/kg

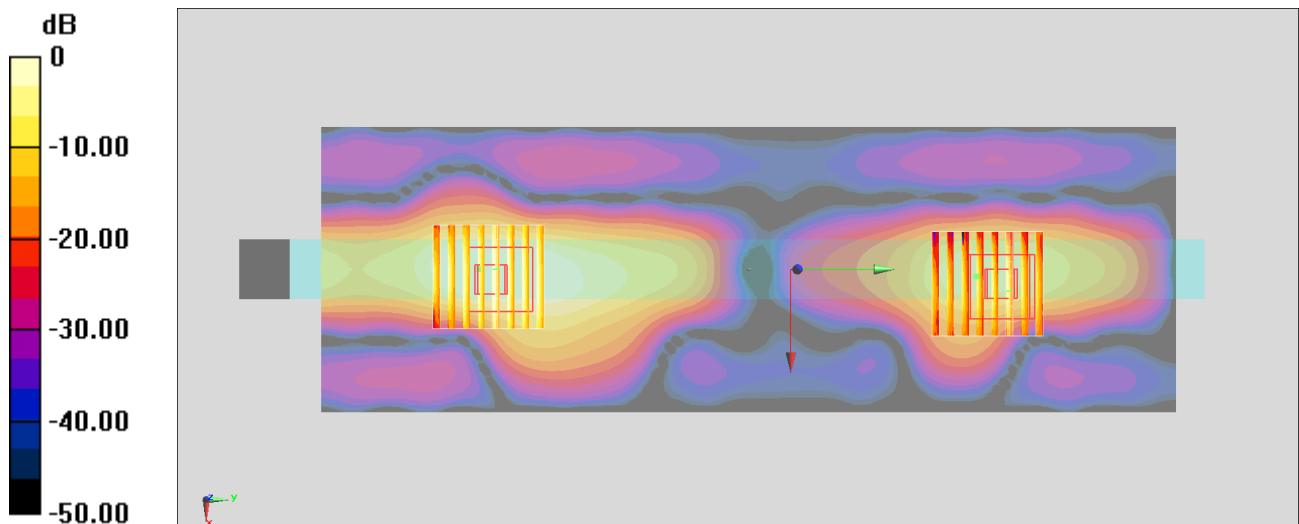
Zoom Scan (8x8x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.72 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.495 W/kg

SAR(1 g) = 0.202 W/kg; SAR(10 g) = 0.075 W/kg

Maximum value of SAR (measured) = 0.349 W/kg



0 dB = 0.349 W/kg = -4.57 dBW/kg

#02_WLAN5GHz_802.11n-HT40 MCS0_Bottom of Laptop_0mm_Ch62;Ant 1+2

Communication System: 802.11n; Frequency: 5310 MHz; Duty Cycle: 1:1.116

Medium: MSL_5G_180713 Medium parameters used: $f = 5310$ MHz; $\sigma = 5.391$ S/m; $\epsilon_r = 47.691$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.92, 4.92, 4.92); Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1131
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7437)

Area Scan (101x301x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.742 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 5.595 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 0.231 W/kg; SAR(10 g) = 0.058 W/kg

Maximum value of SAR (measured) = 0.667 W/kg

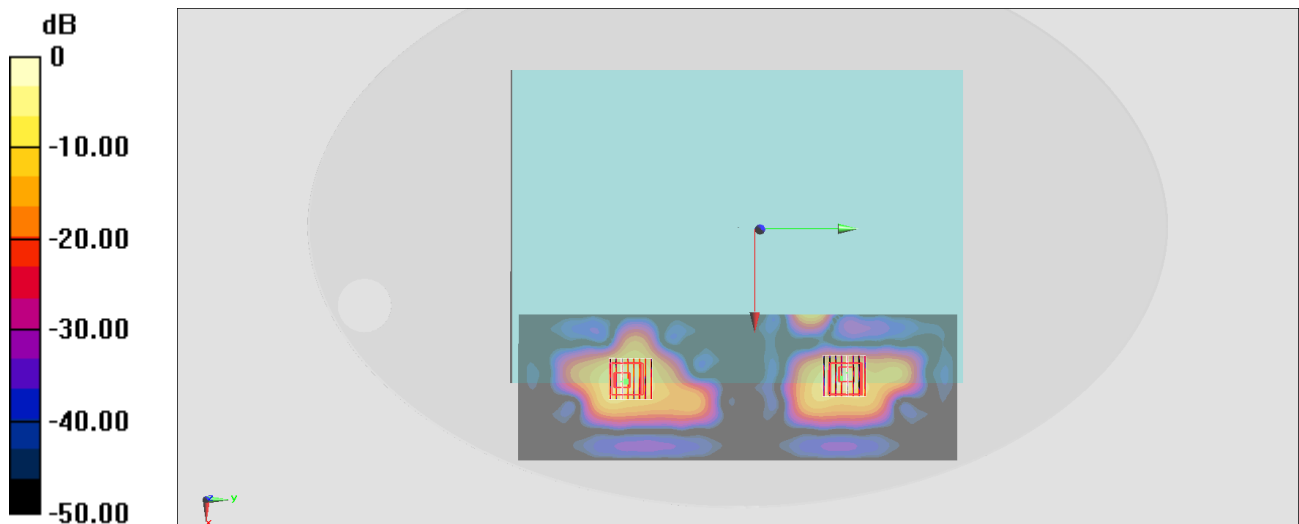
Zoom Scan (8x8x7)/Cube 1: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 5.595 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 2.30 W/kg

SAR(1 g) = 0.442 W/kg; SAR(10 g) = 0.119 W/kg

Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 1.19 W/kg = 0.76 dBW/kg

#03_WLAN5GHz_802.11ac-VHT80 MCS0_Bottom of Laptop_0mm_Ch138;Ant 1+2

Communication System: 802.11ac; Frequency: 5690 MHz; Duty Cycle: 1:1.15

Medium: MSL_5G_180713 Medium parameters used: $f = 5690$ MHz; $\sigma = 5.896$ S/m; $\epsilon_r = 47.107$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.46, 4.46, 4.46); Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1131
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7437)

Area Scan (101x301x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.359 W/kg

Zoom Scan (8x8x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 2.921 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.679 W/kg

SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.025 W/kg

Maximum value of SAR (measured) = 0.348 W/kg

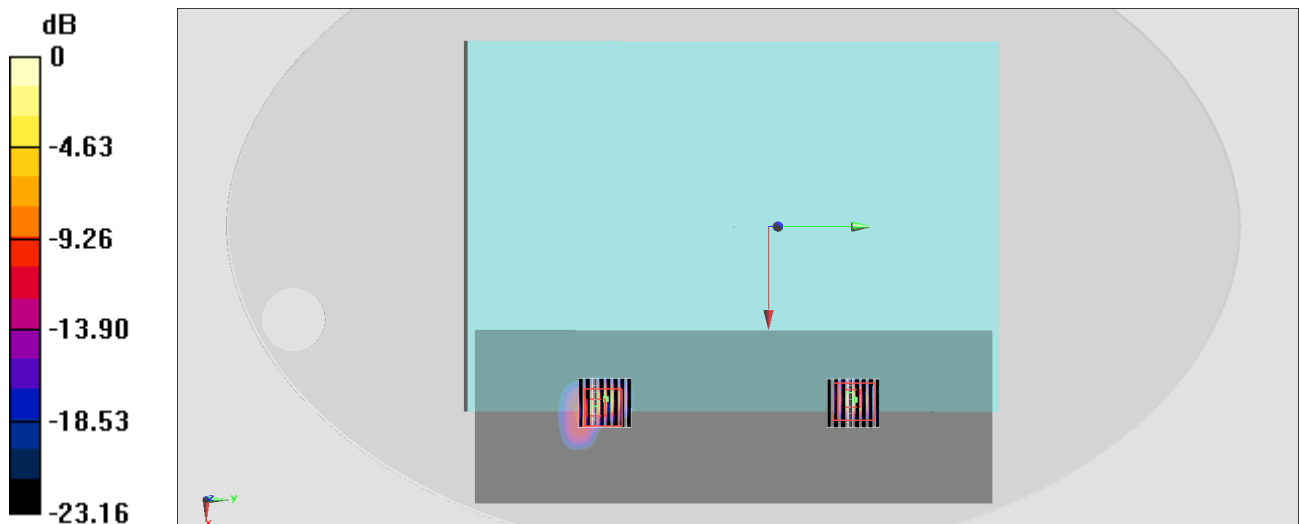
Zoom Scan (8x8x7)/Cube 1: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 2.921 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.944 W/kg

SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.042 W/kg

Maximum value of SAR (measured) = 0.566 W/kg



0 dB = 0.566 W/kg = -2.47 dBW/kg

#04_WLAN5GHz_802.11n-HT40 MCS0_Bottom of Laptop_0mm_Ch159;Ant 1+2

Communication System: 802.11n; Frequency: 5795 MHz; Duty Cycle: 1:1.116

Medium: MSL_5G_180713 Medium parameters used: $f = 5795$ MHz; $\sigma = 6.041$ S/m; $\epsilon_r = 46.948$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.46, 4.46, 4.46); Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: 1131
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7437)

Area Scan (101x301x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.598 W/kg

Zoom Scan (11x11x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 1.809 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.700 W/kg

SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.044 W/kg

Maximum value of SAR (measured) = 0.413 W/kg

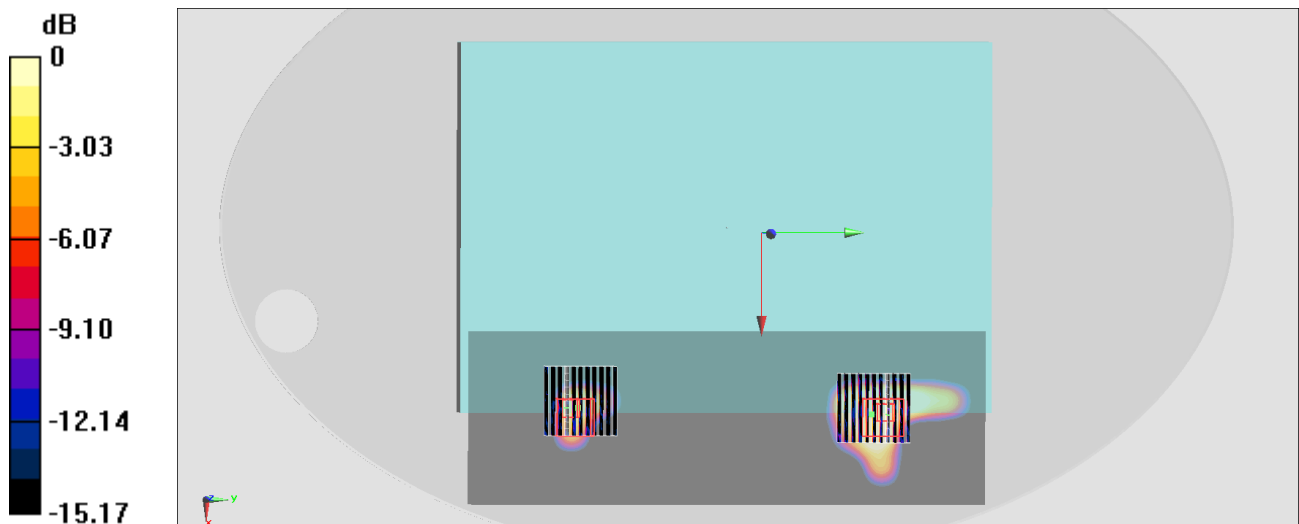
Zoom Scan (11x11x7)/Cube 1: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 1.809 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.345 W/kg

SAR(1 g) = 0.025 W/kg; SAR(10 g) = 0.0077 W/kg

Maximum value of SAR (measured) = 0.0849 W/kg



0 dB = 0.0849 W/kg = -10.71 dBW/kg

#05_Bluetooth_1Mbps_Edge 3_0mm_Ch78;Ant 2

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1.306

Medium: MSL_2450_180718 Medium parameters used: $f = 2480$ MHz; $\sigma = 2.02$ S/m; $\epsilon_r = 53.354$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(7.8, 7.8, 7.8); Calibrated: 2018/1/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2018/1/18
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: 1026
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7437)

Area Scan (51x71x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0398 W/kg

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

Reference Value = 1.629 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.0250 W/kg

SAR(1 g) = 0.00987 W/kg; SAR(10 g) = 0.00305 W/kg

Maximum value of SAR (measured) = 0.0177 W/kg

