

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

Communication System: 802.11b ; Frequency: 2462 MHz;Duty Cycle: 1:1.01

Medium: MSL_2450_170528 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.976$ S/m; $\epsilon_r = 54.044$; $\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: EX3DV4 - SN3976; ConvF(7.93, 7.93, 7.93); Calibrated: 2017/2/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2017/2/16
- Phantom: ELI v5.0_Left; Type: QDOVA002AA; Serial: TP:1029
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (51x281x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 2.04 W/kg

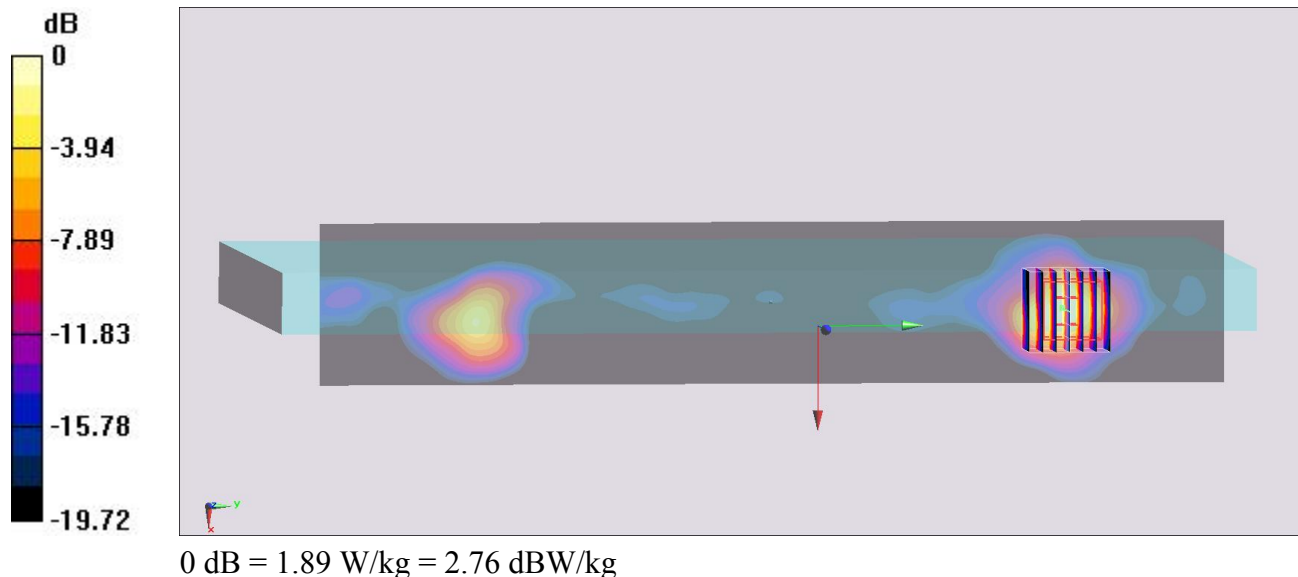
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 32.07 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 2.53 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.445 W/kg

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



#02_WLAN5GHz_802.11n-HT40 MCS0_Bottom of Laptop_0mm_Ch46;Ant 1+2

Communication System: 802.11n; Frequency: 5230 MHz; Duty Cycle: 1:1.128

Medium: MSL_5G_170529 Medium parameters used: $f = 5230$ MHz; $\sigma = 5.42$ S/m; $\epsilon_r = 46.801$; $\rho = 1000$ kg/m³

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

DASY5 Configuration

- Probe: EX3DV4 - SN3976; ConvF(4.87, 4.87, 4.87); Calibrated: 2017/2/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2017/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (61x361x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 2.53 W/kg

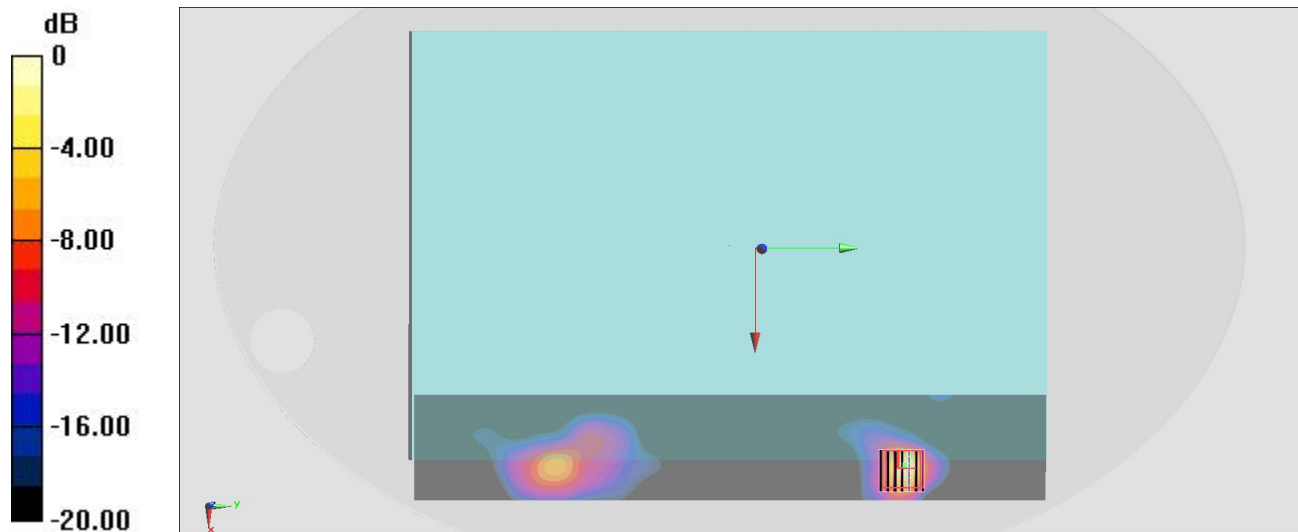
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 22.82 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 4.58 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.255 W/kg

Maximum value of SAR (measured) = 2.74 W/kg



#03_WLAN5GHz_802.11n-HT40 MCS0_Bottom of Laptop_0mm_Ch62;Ant 1+2

Communication System: 802.11n; Frequency: 5310 MHz; Duty Cycle: 1:1.128

Medium: MSL_5G_170615 Medium parameters used: $f = 5310$ MHz; $\sigma = 5.567$ S/m; $\epsilon_r = 47.748$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.87, 4.87, 4.87); Calibrated: 2017/2/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2017/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (61x361x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 2.575 W/kg

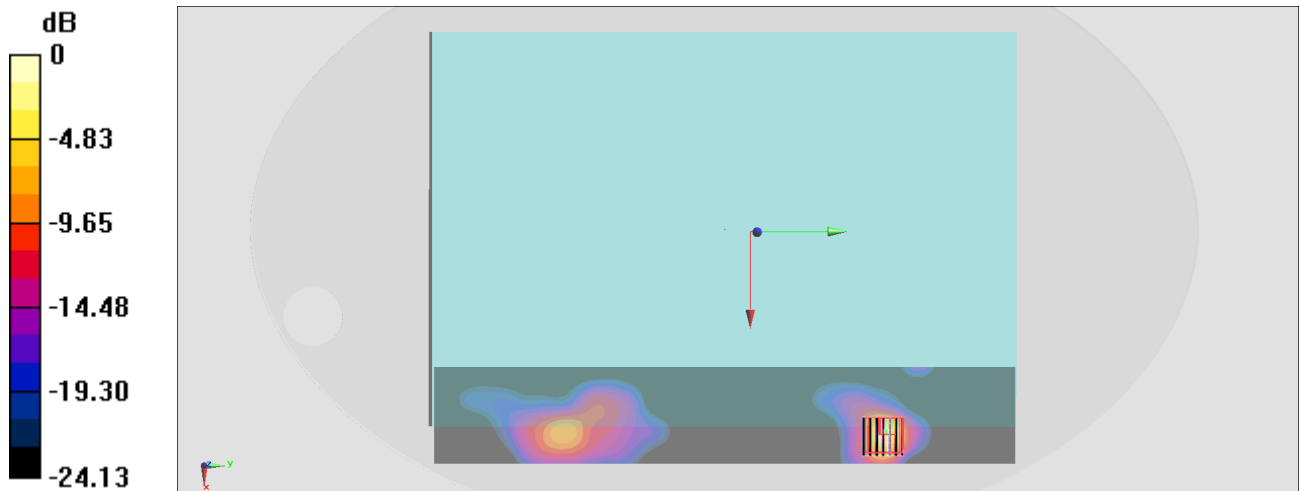
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 21.587 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 4.893 W/kg

SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.27 W/kg

Maximum value of SAR (measured) = 2.948 W/kg



0 dB = 2.948 W/kg = 4.70 dBW/kg

#04_WLAN5GHz_802.11ac-VHT80 MCS0_Bottom of Laptop_0mm_Ch138;Ant 1+2

Communication System: 802.11ac; Frequency: 5690 MHz; Duty Cycle: 1:1.167

Medium: MSL_5G_170615 Medium parameters used: $f = 5690$ MHz; $\sigma = 6.082$ S/m; $\epsilon_r = 47.093$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.33, 4.33, 4.33); Calibrated: 2017/2/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2017/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (81x301x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 1.202 W/kg

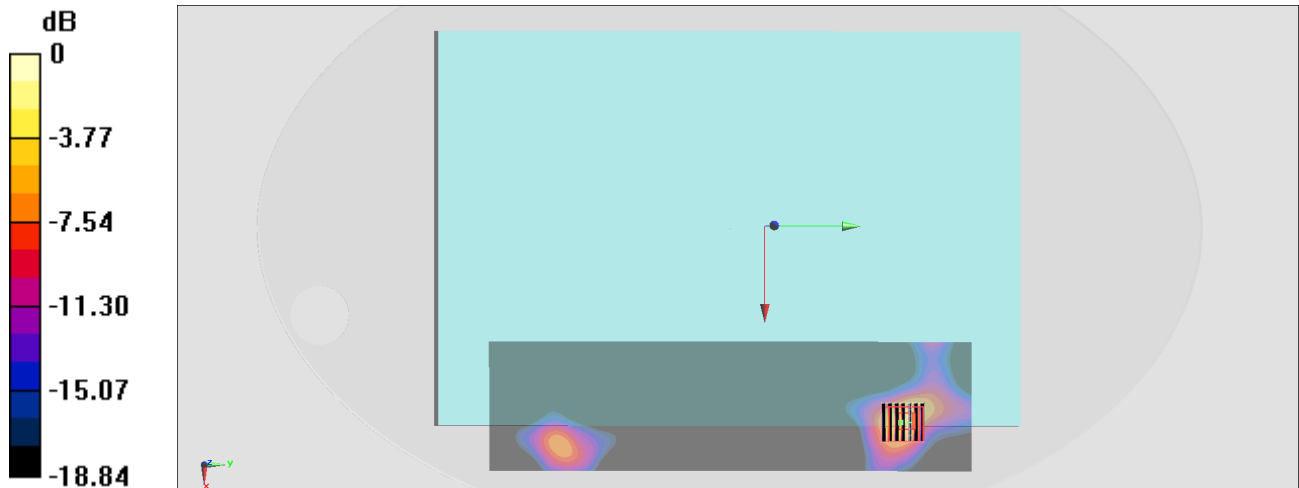
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4$ mm, $dy=4$ mm, $dz=1.4$ mm

Reference Value = 11.840 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 4.97 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.28 W/kg

Maximum value of SAR (measured) = 2.65 W/kg



0 dB = 2.65 W/kg = 4.23 dBW/kg

#05_WLAN5GHz_802.11n-HT40 MCS0_Edge 3_0mm_Ch159;Ant 1+2

Communication System: 802.11n; Frequency: 5795 MHz; Duty Cycle: 1:1.128

Medium: MSL_5G_170615 Medium parameters used: $f = 5795$ MHz; $\sigma = 6.231$ S/m; $\epsilon_r = 46.907$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3976; ConvF(4.33, 4.33, 4.33); Calibrated: 2017/2/21;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1424; Calibrated: 2017/2/16
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

Area Scan (81x361x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.434 W/kg

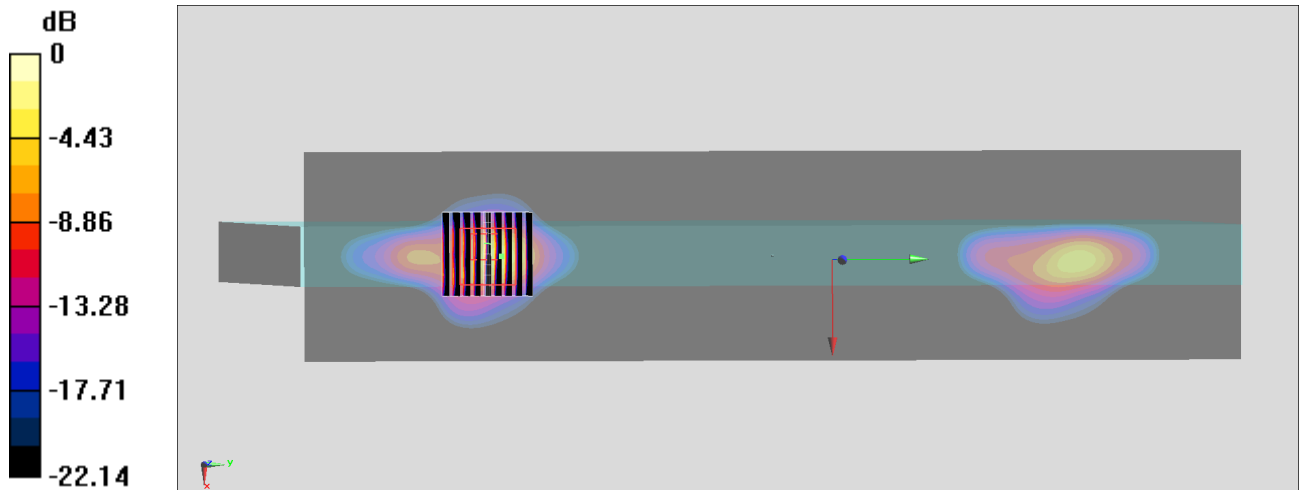
Zoom Scan (9x9x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 17.09 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 5.91 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.295 W/kg

Maximum value of SAR (measured) = 3.093 W/kg



0 dB = 3.093 W/kg = 4.90 dBW/kg

#06_Bluetooth_1Mbps_Edge 3_0mm_Ch0;Ant 2

Communication System: Bluetooth ; Frequency: 2402 MHz;Duty Cycle: 1:1.297

Medium: MSL_2450_170531 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.9$ S/m; $\epsilon_r = 53.384$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(7.33, 7.33, 7.33); Calibrated: 2016/12/8;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1305; Calibrated: 2016/12/15
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:1227
- Measurement SW: DASY52, Version 52.8 (8);SEMCAD X Version 14.6.10 (7373)

Area Scan (51x91x1): Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.125 W/kg

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

Reference Value = 8.166 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.143 W/kg

SAR(1 g) = 0.061 W/kg; SAR(10 g) = 0.024 W/kg

Maximum value of SAR (measured) = 0.114 W/kg

