

**#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/m<sup>3</sup>

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

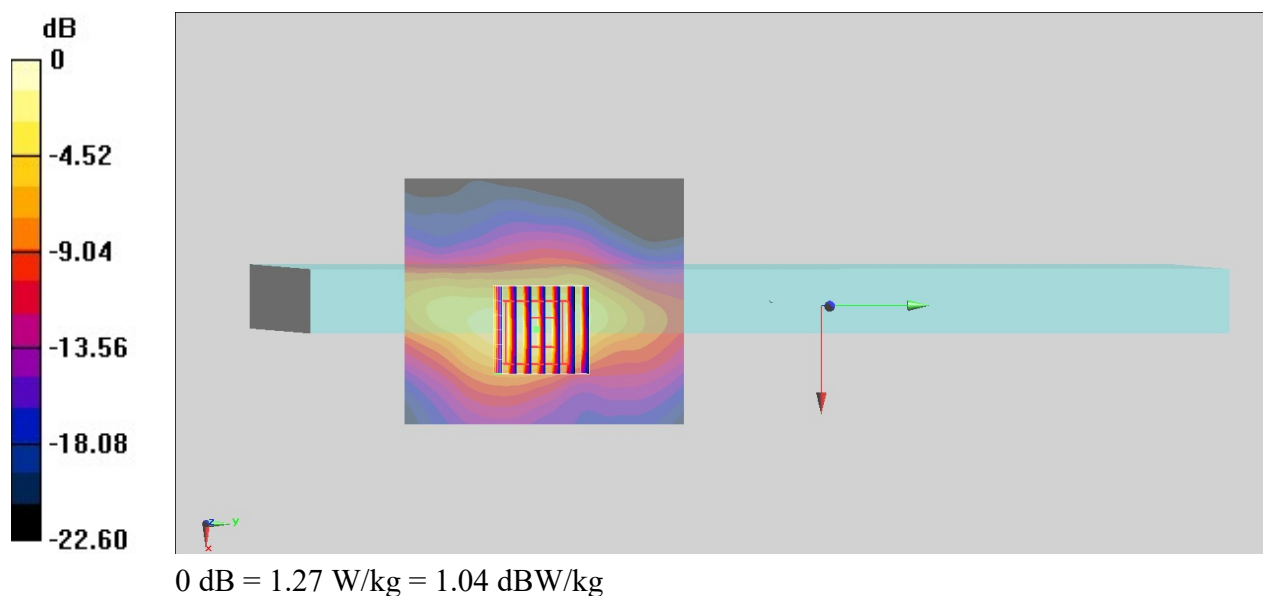
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

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/m<sup>3</sup>

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

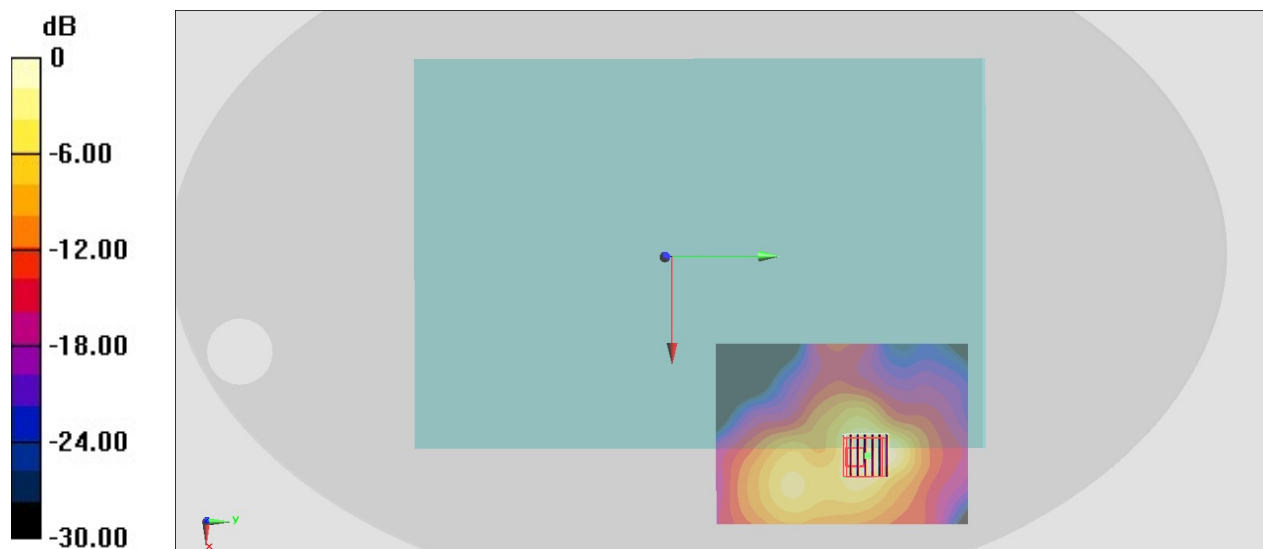
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

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/m<sup>3</sup>

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

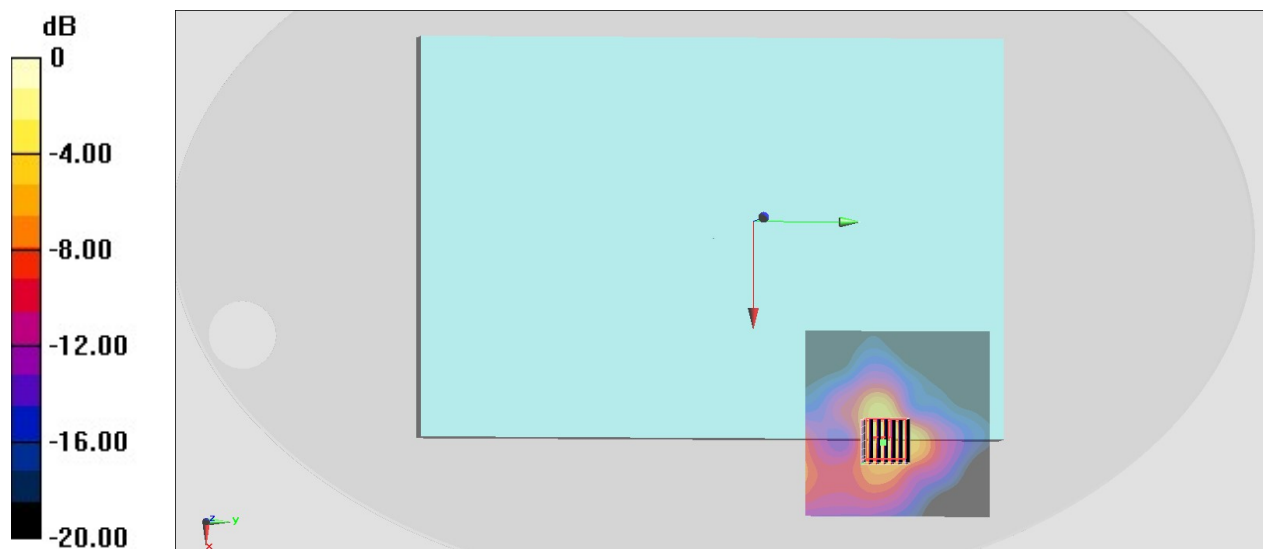
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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/m<sup>3</sup>

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

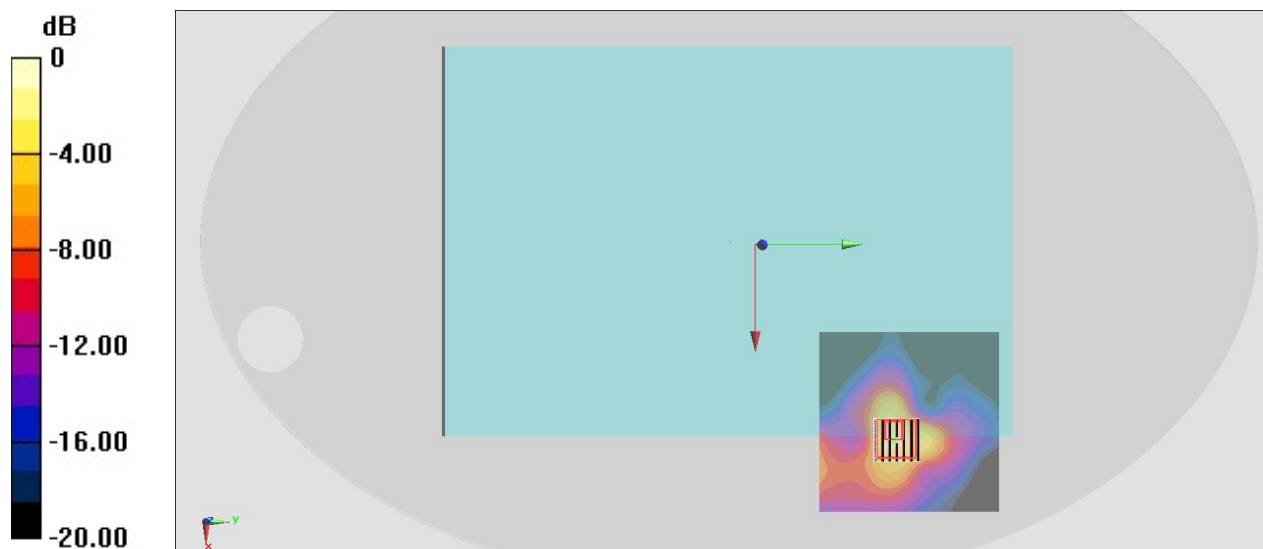
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

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



0 dB = 2.18 W/kg = 3.38 dBW/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/m<sup>3</sup>

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

