

**#01\_WLAN2.4GHz\_802.11b 1Mbps\_Bottom of Laptop\_0mm\_Ch1;Ant 1+2**

Communication System: 802.11b ; Frequency: 2412 MHz;Duty Cycle: 1:1

Medium: HSL\_2450\_210105 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.812$  S/m;  $\epsilon_r = 38.752$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7306;ConvF(7.47, 7.47, 7.47) @ 2412 MHz;Calibrated: 2020/7/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2020/9/16
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1025
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (91x341x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.12 W/kg

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

Reference Value = 17.78 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.78 W/kg

**SAR(1 g) = 0.592 W/kg; SAR(10 g) = 0.235 W/kg**

Maximum value of SAR (measured) = 1.23 W/kg

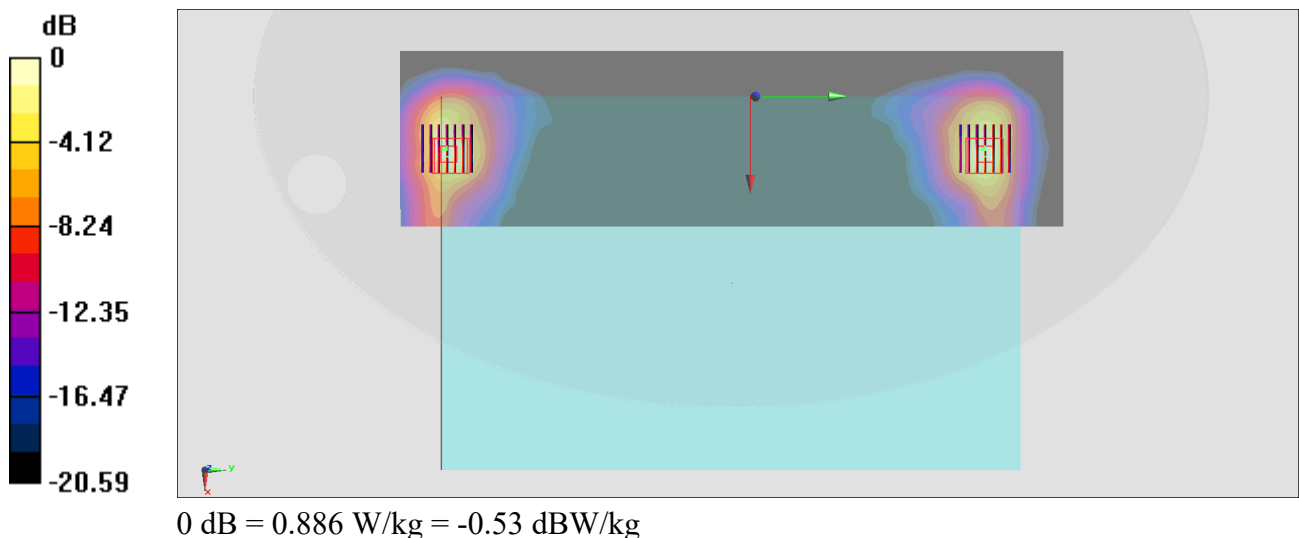
**Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 17.78 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.482 W/kg; SAR(10 g) = 0.202 W/kg**

Maximum value of SAR (measured) = 0.886 W/kg



**#02\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Bottom of Laptop\_0mm\_Ch58;Ant 1+2**

Communication System: 802.11ac; Frequency: 5290 MHz; Duty Cycle: 1:1.158

Medium: HSL\_5G\_210105 Medium parameters used :  $f = 5290$  MHz;  $\sigma = 4.68$  S/m;  $\epsilon_r = 35.86$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7306; ConvF(5.36, 5.36, 5.36) @ 5290 MHz; Calibrated: 2020/7/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2020/9/16
- Phantom: ELI V4.0; Type: QDOVA001BB; Serial: 1041
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (101x401x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.595 W/kg

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

Reference Value = 8.470 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.80 W/kg

**SAR(1 g) = 0.513 W/kg; SAR(10 g) = 0.127 W/kg**

Maximum value of SAR (measured) = 1.64 W/kg

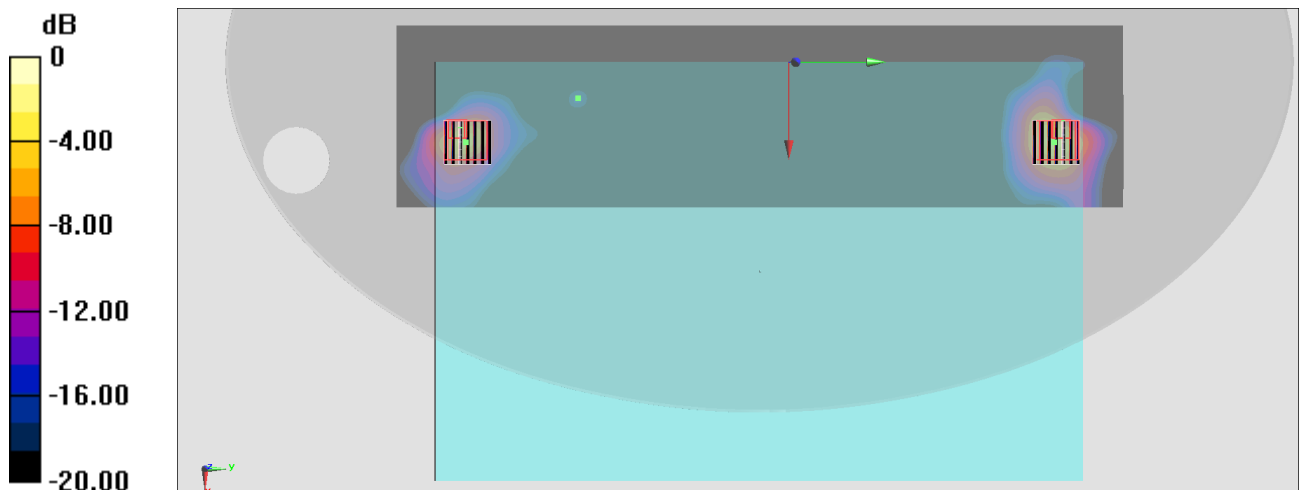
**Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 8.470 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.40 W/kg

**SAR(1 g) = 0.509 W/kg; SAR(10 g) = 0.112 W/kg**

Maximum value of SAR (measured) = 1.35 W/kg



0 dB = 1.35 W/kg = 1.30 dBW/kg

**#03\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Bottom of Laptop\_0mm\_Ch122;Ant 1+2**

Communication System: 802.11ac; Frequency: 5610 MHz; Duty Cycle: 1:1.158

Medium: HSL\_5G\_210105 Medium parameters used :  $f = 5610$  MHz;  $\sigma = 4.993$  S/m;  $\epsilon_r = 35.417$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7306; ConvF(4.68, 4.68, 4.68) @ 5610 MHz; Calibrated: 2020/7/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2020/9/16
- Phantom: ELI V4.0; Type: QDOVA001BB; Serial: 1041
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (101x401x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.690 W/kg

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

Reference Value = 9.593 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 3.22 W/kg

**SAR(1 g) = 0.601 W/kg; SAR(10 g) = 0.163 W/kg**

Maximum value of SAR (measured) = 1.66 W/kg

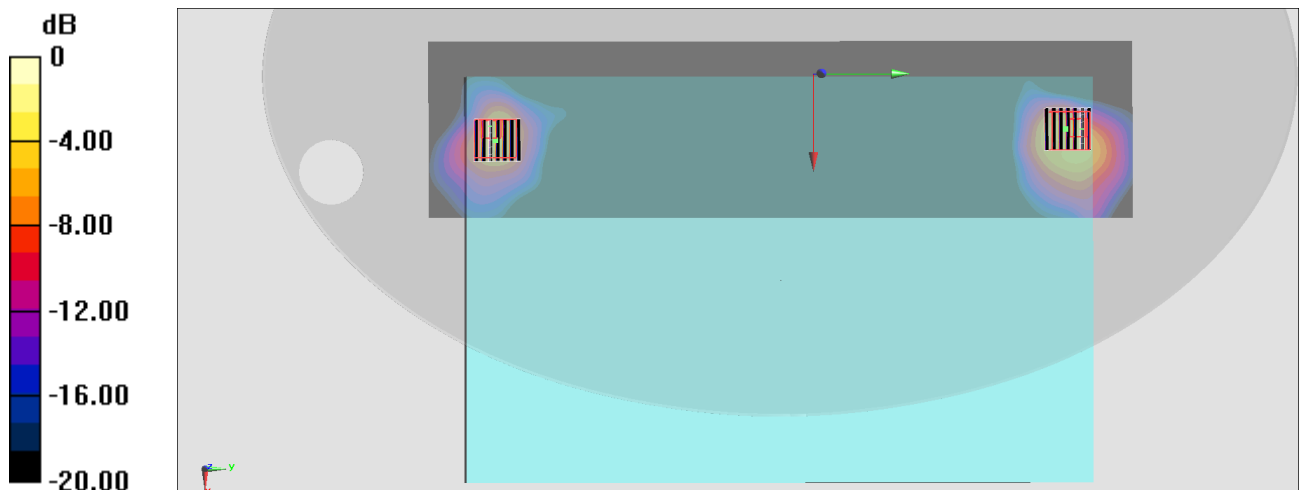
**Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 9.593 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 3.48 W/kg

**SAR(1 g) = 0.675 W/kg; SAR(10 g) = 0.164 W/kg**

Maximum value of SAR (measured) = 1.86 W/kg



0 dB = 1.86 W/kg = 2.70 dBW/kg

**#04\_WLAN5GHz\_802.11n-HT40 MCS0\_Bottom of Laptop\_0mm\_Ch151;Ant 1+2**

Communication System: 802.11n; Frequency: 5755 MHz; Duty Cycle: 1:1.071

Medium: HSL\_5G\_210105 Medium parameters used :  $f = 5755$  MHz;  $\sigma = 5.152$  S/m;  $\epsilon_r = 35.25$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7306; ConvF(4.91, 4.91, 4.91) @ 5755 MHz; Calibrated: 2020/7/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2020/9/16
- Phantom: ELI V4.0; Type: QDOVA001BB; Serial: 1041
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (101x401x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.623 W/kg

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

Reference Value = 9.606 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.81 W/kg

**SAR(1 g) = 0.449 W/kg; SAR(10 g) = 0.127 W/kg**

Maximum value of SAR (measured) = 1.43 W/kg

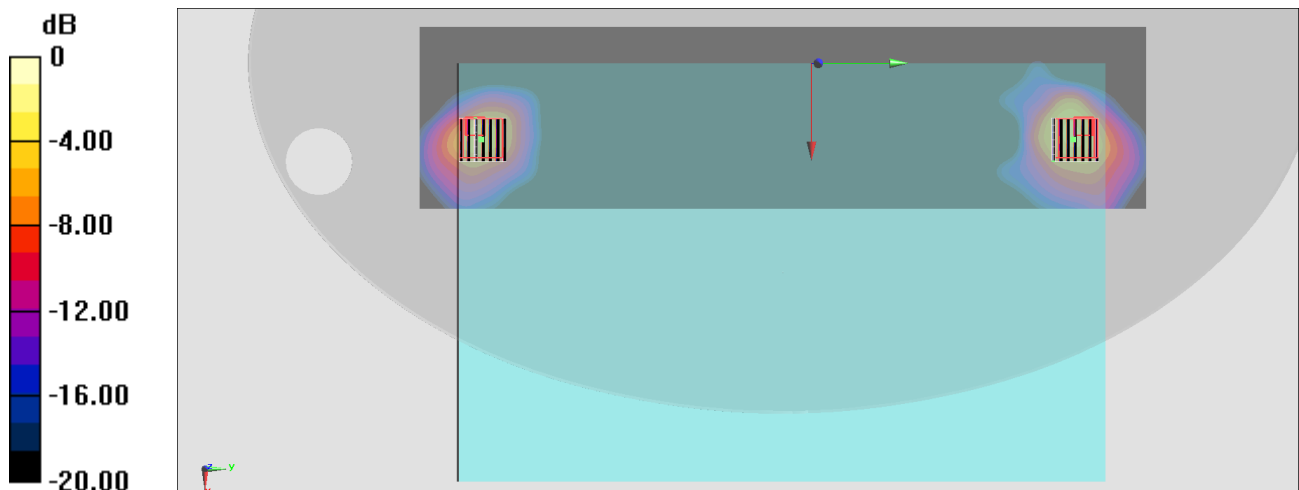
**Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 9.606 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 2.75 W/kg

**SAR(1 g) = 0.483 W/kg; SAR(10 g) = 0.119 W/kg**

Maximum value of SAR (measured) = 1.45 W/kg



0 dB = 1.45 W/kg = 1.61 dBW/kg

**#05\_Bluetooth\_1Mbps\_Bottom of Laptop\_0mm\_Ch78;Ant 2**

Communication System: Bluetooth ; Frequency: 2480 MHz;Duty Cycle: 1:1.297

Medium: HSL\_2450\_210105 Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.87$  S/m;  $\epsilon_r = 38.471$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7306;ConvF(7.47, 7.47, 7.47) @ 2480 MHz;Calibrated: 2020/7/24
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2020/9/16
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1025
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**Area Scan (91x101x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0723 W/kg

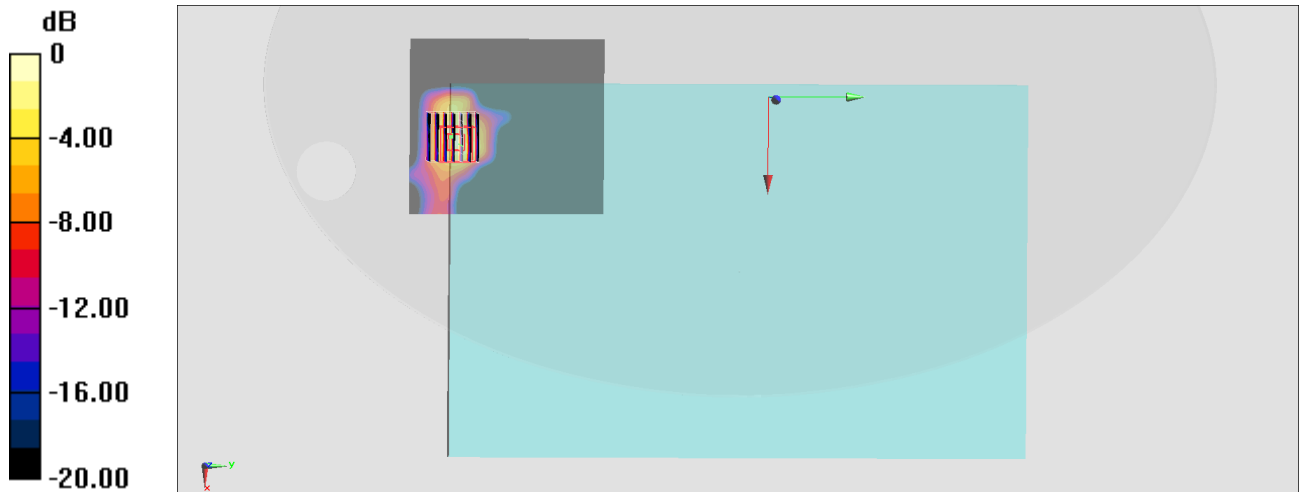
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.694 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.114 W/kg

**SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.014 W/kg**

Maximum value of SAR (measured) = 0.0781 W/kg



0 dB = 0.0781 W/kg = -11.07 dBW/kg