

**#01\_WLAN2.4GHz\_802.11b 1Mbps\_Bottom of Laptop\_0mm\_Ch6;Ant 1+2**

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

Medium: HSL\_2450\_210106 Medium parameters used :  $f = 2437$  MHz;  $\sigma = 1.82$  S/m;  $\epsilon_r = 38.651$ ;  $\rho = 1000$  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) @ 2437 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 (101x121x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0.897 W/kg

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

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

Peak SAR (extrapolated) = 2.09 W/kg

**SAR(1 g) = 0.746 W/kg; SAR(10 g) = 0.326 W/kg**

Maximum value of SAR (measured) = 1.41 W/kg

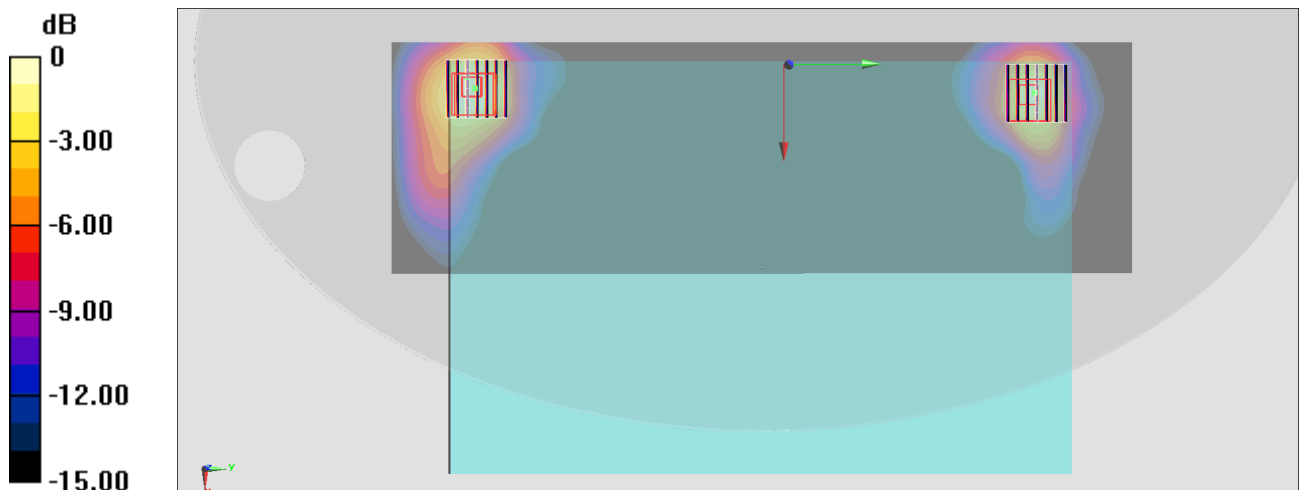
**Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

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

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.392 W/kg; SAR(10 g) = 0.177 W/kg**

Maximum value of SAR (measured) = 0.741 W/kg



0 dB = 0.741 W/kg = -1.30 dBW/kg

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

Communication System: 802.11ac; Frequency: 5290 MHz; Duty Cycle: 1:1.15

Medium: HSL\_5G\_210106 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 (121x381x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 1.22 W/kg

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

Reference Value = 9.465 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 3.55 W/kg

**SAR(1 g) = 0.695 W/kg; SAR(10 g) = 0.186 W/kg**

Maximum value of SAR (measured) = 1.93 W/kg

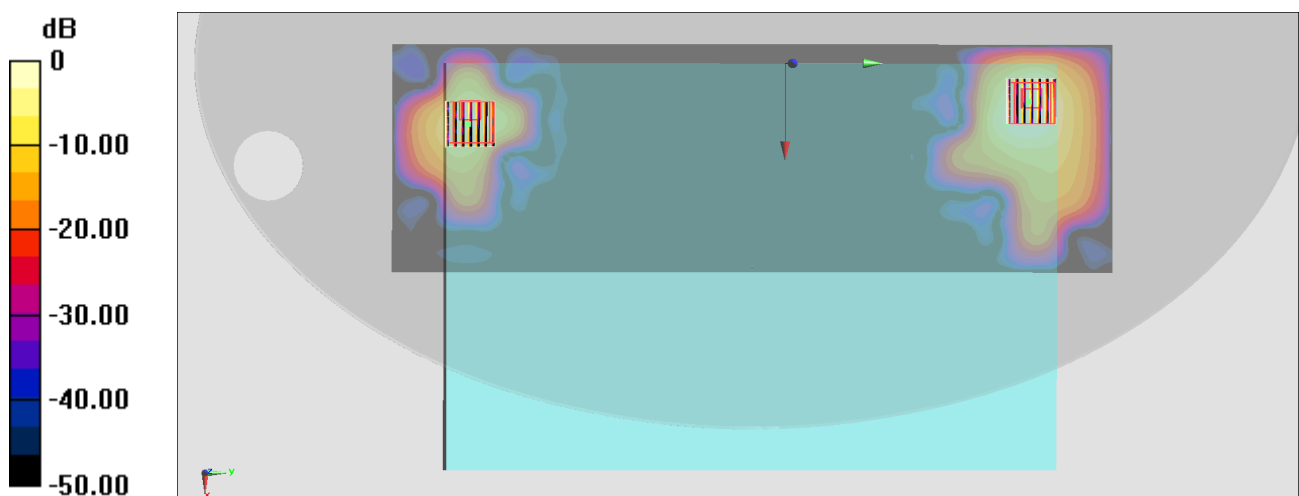
**Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 9.465 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.56 W/kg

**SAR(1 g) = 0.332 W/kg; SAR(10 g) = 0.084 W/kg**

Maximum value of SAR (measured) = 0.925 W/kg



0 dB = 0.925 W/kg = -0.34 dBW/kg

**#03\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Bottom of Laptop\_0mm\_Ch106;Ant 1+2;Speed+GEO**

Communication System: 802.11ac; Frequency: 5530 MHz; Duty Cycle: 1:1.158

Medium: HSL\_5G\_210106 Medium parameters used :  $f = 5530$  MHz;  $\sigma = 4.917$  S/m;  $\epsilon_r = 35.558$ ;  $\rho = 1000$  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) @ 5530 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 (121x381x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 0.708 W/kg

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

Reference Value = 4.464 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.55 W/kg

**SAR(1 g) = 0.671 W/kg; SAR(10 g) = 0.137 W/kg**

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

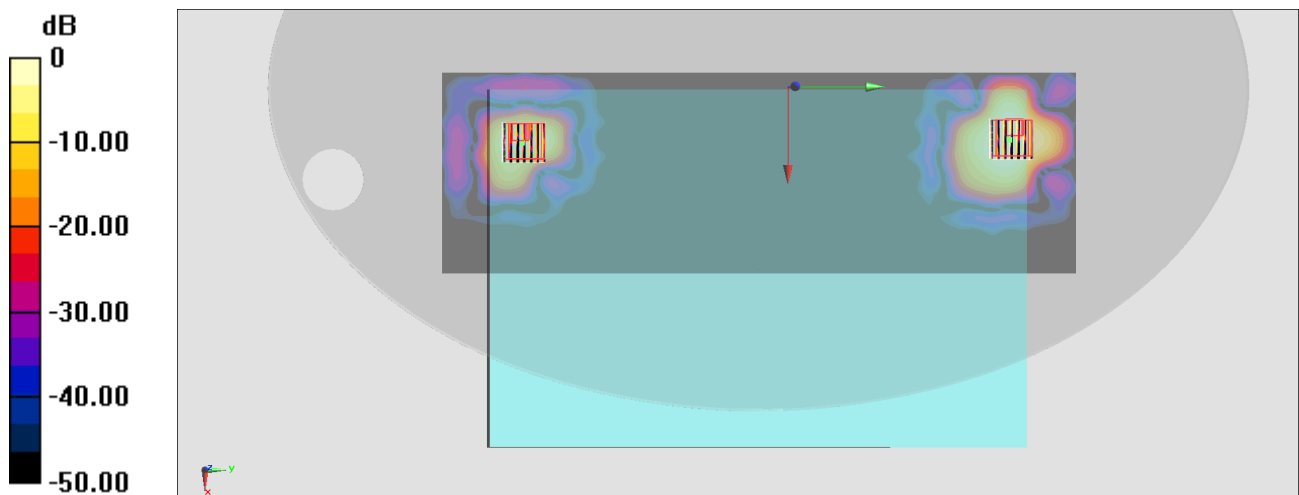
**Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 4.464 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.573 W/kg

**SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.032 W/kg**

Maximum value of SAR (measured) = 0.290 W/kg



**#04\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Bottom of Laptop\_0mm\_Ch159;Ant 1+2;Speed+GEO**

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

Medium: HSL\_5G\_210106 Medium parameters used :  $f = 5795$  MHz;  $\sigma = 5.171$  S/m;  $\epsilon_r = 35.203$ ;  $\rho = 1000$  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) @ 5795 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 (61x191x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.961 W/kg

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

Reference Value = 6.177 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 3.41 W/kg

**SAR(1 g) = 0.494 W/kg; SAR(10 g) = 0.120 W/kg**

Maximum value of SAR (measured) = 1.74 W/kg

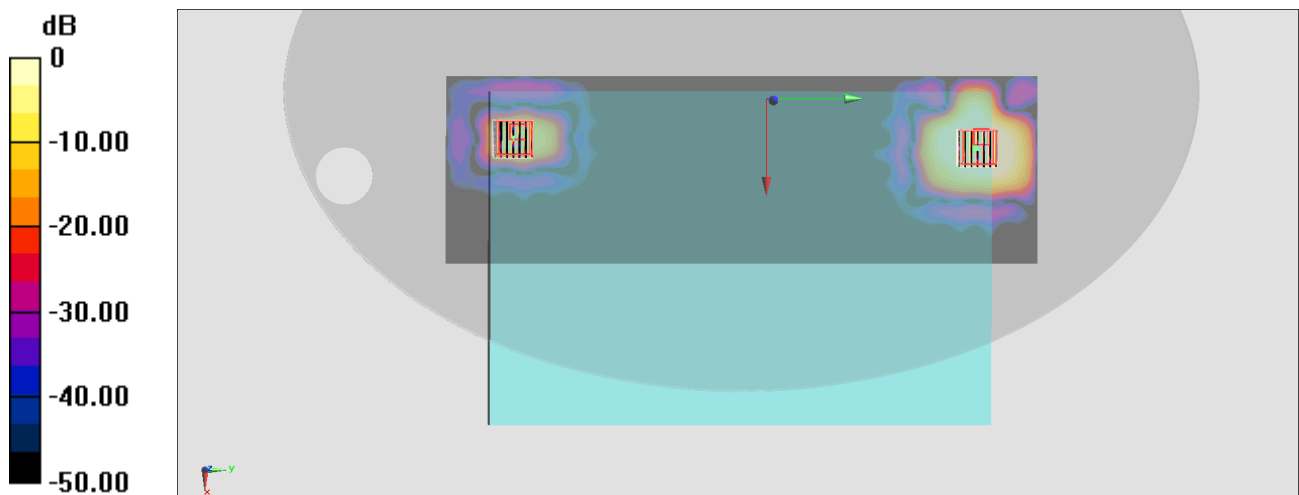
**Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.177 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.326 W/kg

**SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.014 W/kg**

Maximum value of SAR (measured) = 0.201 W/kg



0 dB = 0.201 W/kg = -6.97 dBW/kg

**#05\_Bluetooth\_1Mbps\_Bottom of Laptop\_0mm\_Ch78**

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

Medium: HSL\_2450\_210106 Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.87$  S/m;  $\epsilon_r = 38.471$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.5 °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 = -0.03 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

