

**#01\_WLAN2.4GHz\_802.11b 1Mbps\_Bottom of Laptop\_0mm\_Ch11;Ant 1+2**

Communication System: 802.11b; Frequency: 2462 MHz; Duty Cycle: 1:1.055

Medium: HSL\_2450\_200210 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.807$  S/m;  $\epsilon_r = 39.82$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7306; ConvF(7.48, 7.48, 7.48) @ 2462 MHz; Calibrated: 2019/7/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2019/9/17
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (121x351x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 1.34 W/kg

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

Reference Value = 20.19 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.73 W/kg

**SAR(1 g) = 0.776 W/kg; SAR(10 g) = 0.365 W/kg**

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

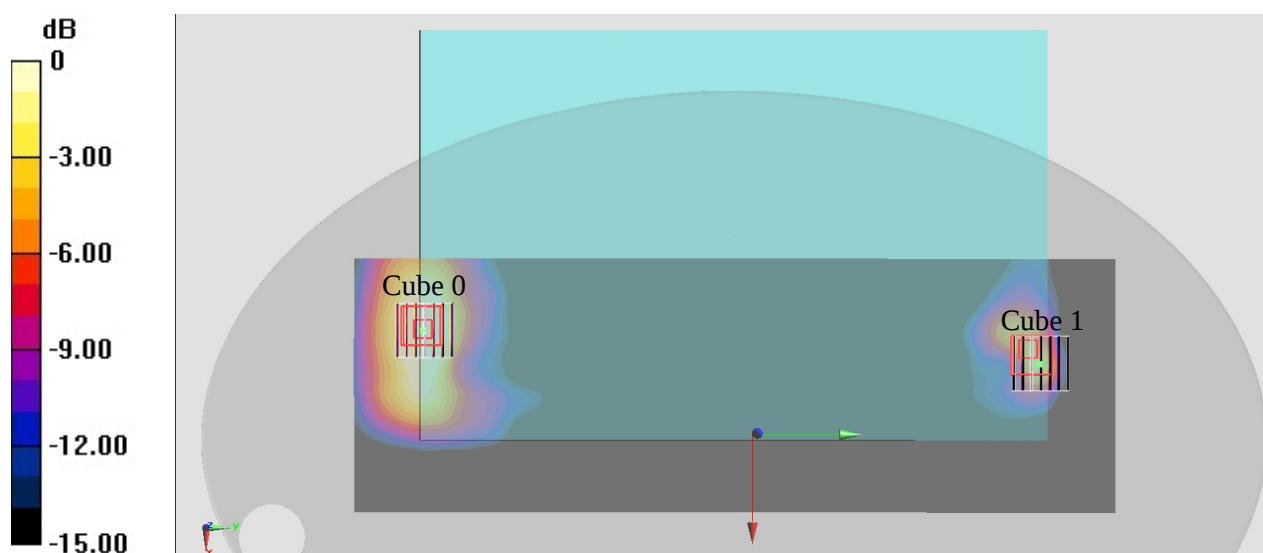
**Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 20.19 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.623 W/kg

**SAR(1 g) = 0.250 W/kg; SAR(10 g) = 0.094 W/kg**

Maximum value of SAR (measured) = 0.467 W/kg



**#02\_WLAN5GHz\_802.11n-HT40 MCS0\_Bottom of Laptop\_0mm\_Ch54;Ant 1+2**

Communication System: 802.11n; Frequency: 5270 MHz; Duty Cycle: 1:1.119

Medium: HSL\_5G\_200210 Medium parameters used:  $f = 5270$  MHz;  $\sigma = 4.555$  S/m;  $\epsilon_r = 36.955$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7306; ConvF(5.34, 5.34, 5.34) @ 5270 MHz; Calibrated: 2019/7/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2019/9/17
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (141x421x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

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

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

Reference Value = 11.22 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 4.32 W/kg

**SAR(1 g) = 0.602 W/kg; SAR(10 g) = 0.137 W/kg**

Maximum value of SAR (measured) = 2.63 W/kg

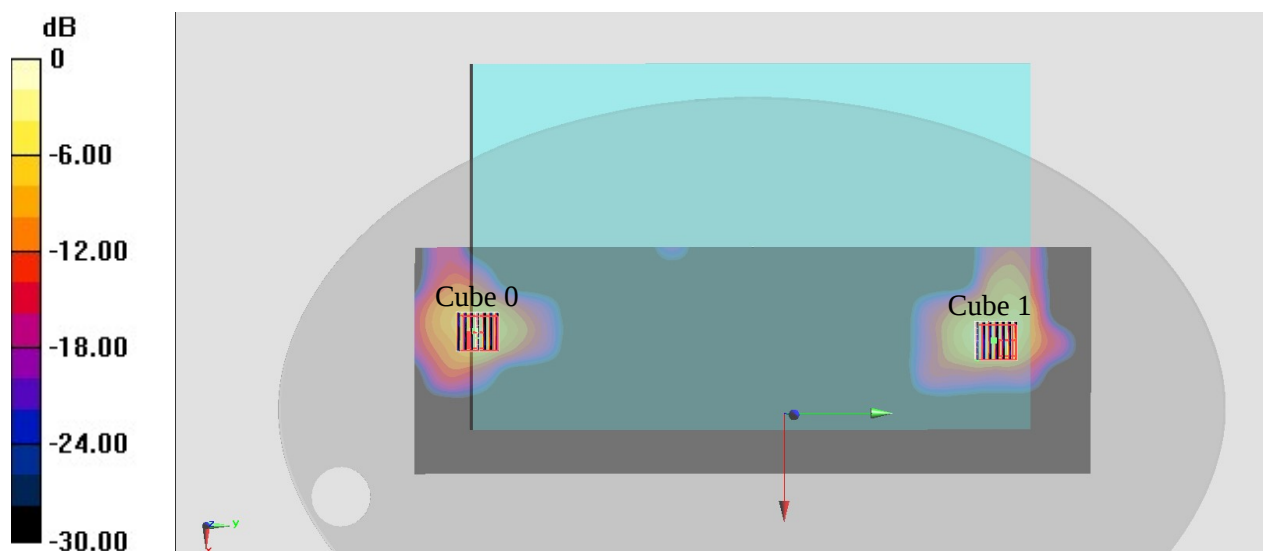
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 11.22 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.89 W/kg

**SAR(1 g) = 0.416 W/kg; SAR(10 g) = 0.119 W/kg**

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



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

Communication System: 802.11ac ; Frequency: 5530 MHz;Duty Cycle: 1:1.141

Medium: HSL\_5G\_200210 Medium parameters used :  $f = 5530$  MHz;  $\sigma = 4.816$  S/m;  $\epsilon_r = 36.57$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7306;ConvF(4.79, 4.79, 4.79) @ 5530 MHz;Calibrated: 2019/7/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2019/9/17
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (141x421x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.85 W/kg

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

Reference Value = 10.20 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.12 W/kg

**SAR(1 g) = 0.716 W/kg; SAR(10 g) = 0.214 W/kg**

Maximum value of SAR (measured) = 1.77 W/kg

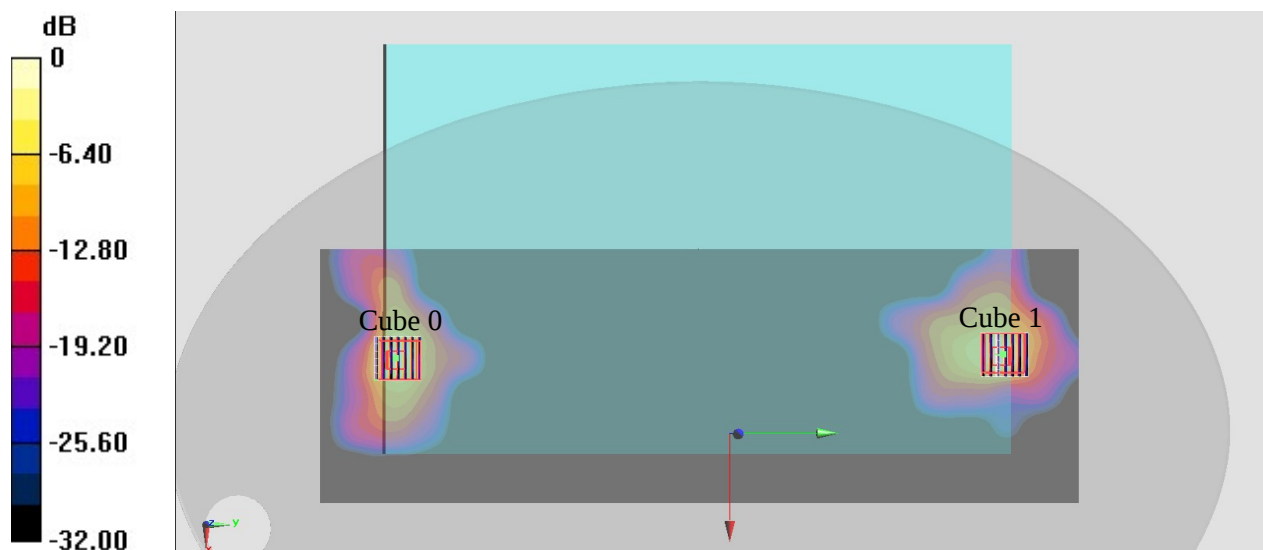
**Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.20 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.55 W/kg

**SAR(1 g) = 0.769 W/kg; SAR(10 g) = 0.207 W/kg**

Maximum value of SAR (measured) = 1.91 W/kg



0 dB = 1.91 W/kg = 2.81 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: 1:119

Medium: HSL\_5G\_200210 Medium parameters used :  $f = 5795$  MHz;  $\sigma = 5.091$  S/m;  $\epsilon_r = 36.273$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

### DASY5 Configuration

- Probe: EX3DV4 - SN7306; ConvF(4.93, 4.93, 4.93) @ 5785 MHz; Calibrated: 2019/7/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2019/9/17
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (141x421x1):** Interpolated grid:  $dx=1.000$  mm,  $dy=1.000$  mm

Maximum value of SAR (interpolated) = 1.11 W/kg

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

Reference Value = 14.96 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.11 W/kg

**SAR(1 g) = 0.646 W/kg; SAR(10 g) = 0.169 W/kg**

Maximum value of SAR (measured) = 1.80 W/kg

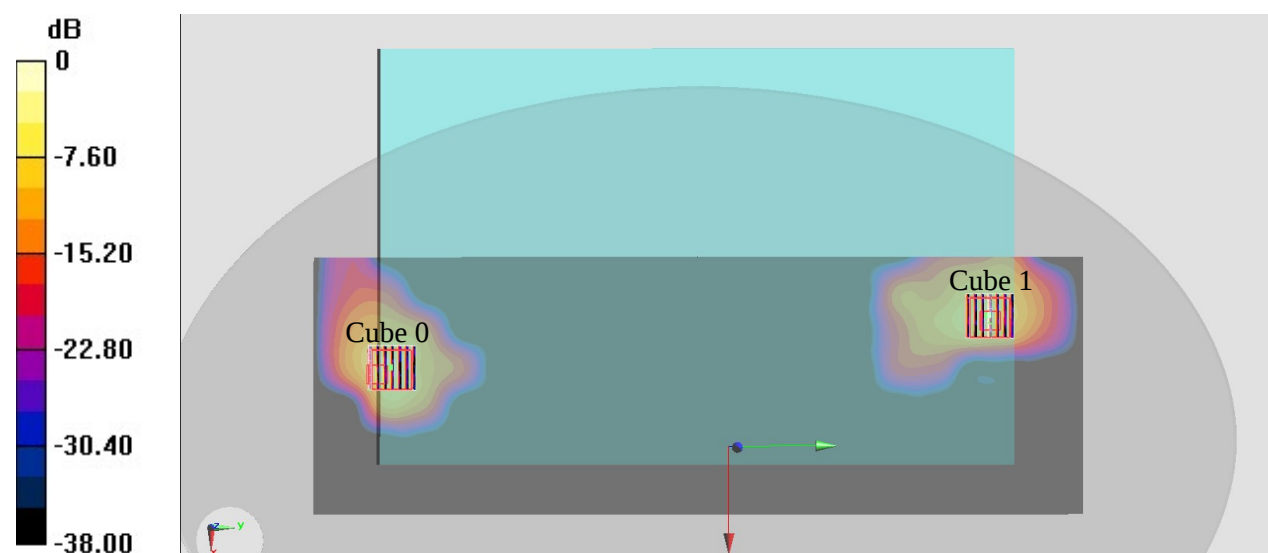
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 14.96 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.66 W/kg

**SAR(1 g) = 0.561 W/kg; SAR(10 g) = 0.161 W/kg**

Maximum value of SAR (measured) = 1.52 W/kg



0 dB = 1.52 W/kg = 1.82 dBW/kg

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

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1.307

Medium: HSL\_2450\_200210 Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.83$  S/m;  $\epsilon_r = 39.748$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration**

- Probe: EX3DV4 - SN7306; ConvF(7.48, 7.48, 7.48) @ 2480 MHz; Calibrated: 2019/7/22
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2019/9/17
- Phantom: ELI V5.0; Type: QD OVA 002 Ax; Serial: 1191
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7450)

**Area Scan (121x341x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0.0118 W/kg

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

Reference Value = 1.802 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.0330 W/kg

**SAR(1 g) = 0.011 W/kg; SAR(10 g) = 0.00256 W/kg**

Maximum value of SAR (measured) = 0.0256 W/kg

