

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

Communication System: 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1.01

Medium: MSL\_2450\_181228 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.908$  S/m;  $\epsilon_r = 52.18$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.9 °C; Liquid Temperature : 22.9 °C

**DASY5 Configuration:**

- Probe: ES3DV3 - SN3169; ConvF(4.4, 4.4, 4.4) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1041
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (51x301x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 1.32 W/kg

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

Reference Value = 18.7 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.51 W/kg

**SAR(1 g) = 0.529 W/kg; SAR(10 g) = 0.199 W/kg**

Maximum value of SAR (measured) = 0.742 W/kg

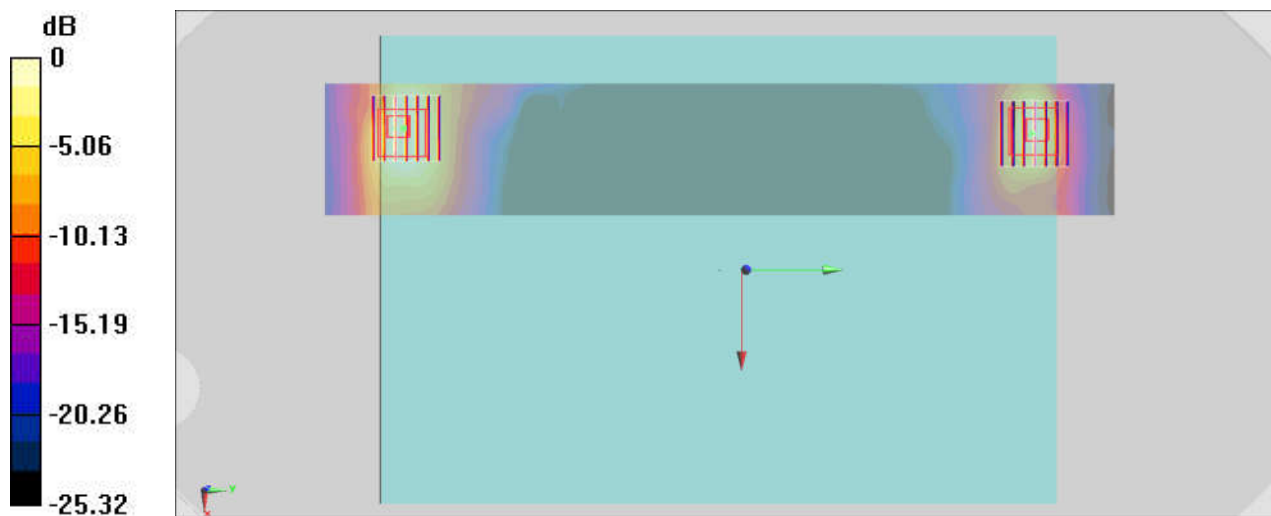
**Zoom Scan (7x7x7)/Cube 1:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 19.51 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.42 W/kg

**SAR(1 g) = 0.939 W/kg; SAR(10 g) = 0.426 W/kg**

Maximum value of SAR (measured) = 1.63 W/kg



0 dB = 1.63 W/kg = 2.12 dBW/kg

**#02\_WLAN5GHz\_802.11n-HT40 MCS0\_Edge 4\_0mm\_Ch62;Ant 1+2**

Communication System: 802.11n ; Frequency: 5310 MHz;Duty Cycle: 1:1.116

Medium: MSL\_5G\_190103 Medium parameters used:  $f = 5310$  MHz;  $\sigma = 5.532$  S/m;  $\epsilon_r = 49.04$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7306;ConvF(4.8, 4.8, 4.8) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI v4.0\_Left; Type: QDOVA001BB; Serial: TP:1029
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**Area Scan (81x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.20 W/kg

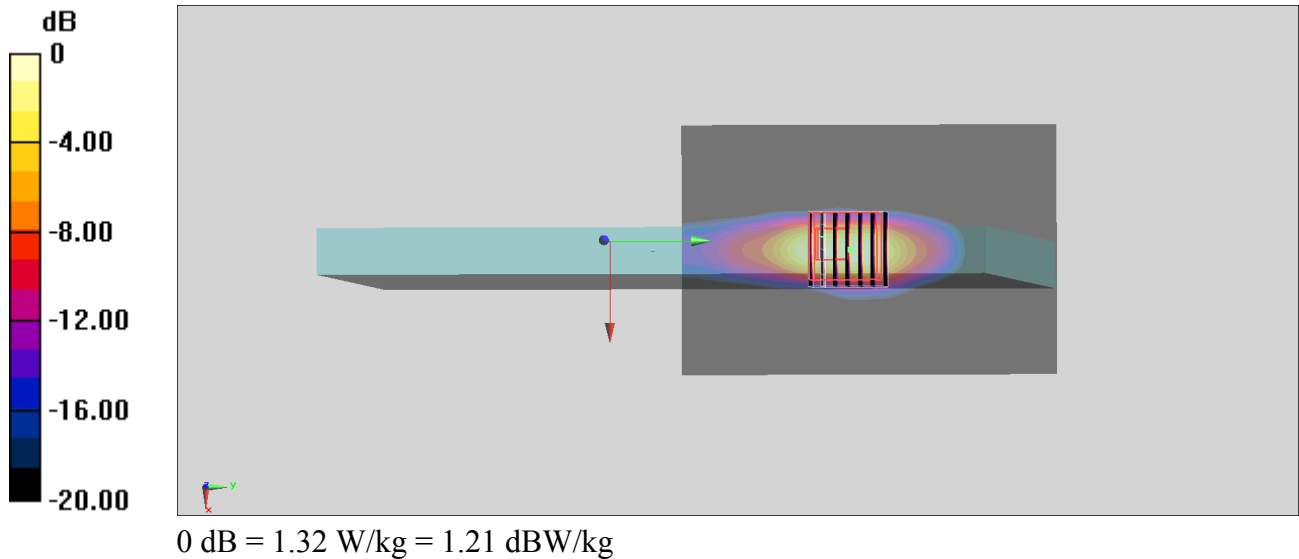
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.850 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.21 W/kg

**SAR(1 g) = 0.585 W/kg; SAR(10 g) = 0.168 W/kg**

Maximum value of SAR (measured) = 1.32 W/kg



**#03\_WLAN5GHz\_802.11ac-VHT80 MCS0\_Edge 4\_0mm\_Ch138;Ant 1+2**

Communication System: 802.11ac ; Frequency: 5690 MHz;Duty Cycle: 1:1.142

Medium: MSL\_5G\_190103 Medium parameters used :  $f = 5690$  MHz;  $\sigma = 6.072$  S/m;  $\epsilon_r = 48.384$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7306;ConvF(4.37, 4.37, 4.37) ;Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI v4.0\_Left; Type: QDOVA001BB; Serial: TP:1029
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**Area Scan (81x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.54 W/kg

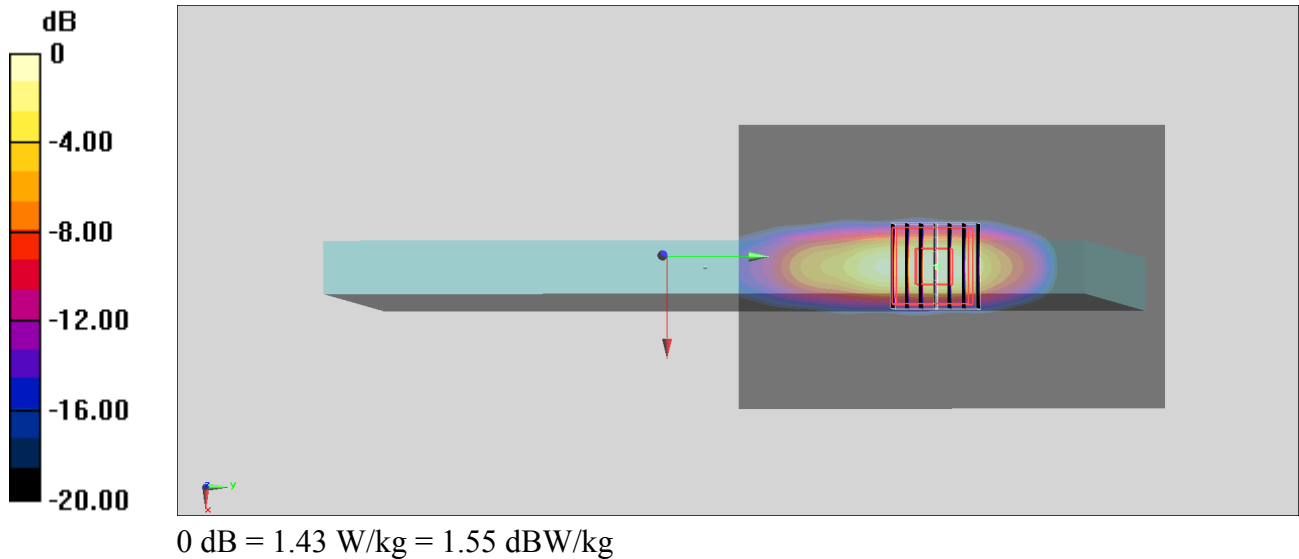
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 0.7600 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 2.47 W/kg

**SAR(1 g) = 0.557 W/kg; SAR(10 g) = 0.154 W/kg**

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



**#04\_WLAN5GHz\_802.11n-HT40 MCS0\_Edge 4\_0mm\_Ch159;Ant 1+2**

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

Medium: MSL\_5G\_190103 Medium parameters used:  $f = 5795$  MHz;  $\sigma = 6.223$  S/m;  $\epsilon_r = 48.196$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7306; ConvF(4.37, 4.37, 4.37) ; Calibrated: 2018/7/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn577; Calibrated: 2018/9/19
- Phantom: ELI v4.0\_Left; Type: QDOVA001BB; Serial: TP:1029
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (81x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.28 W/kg

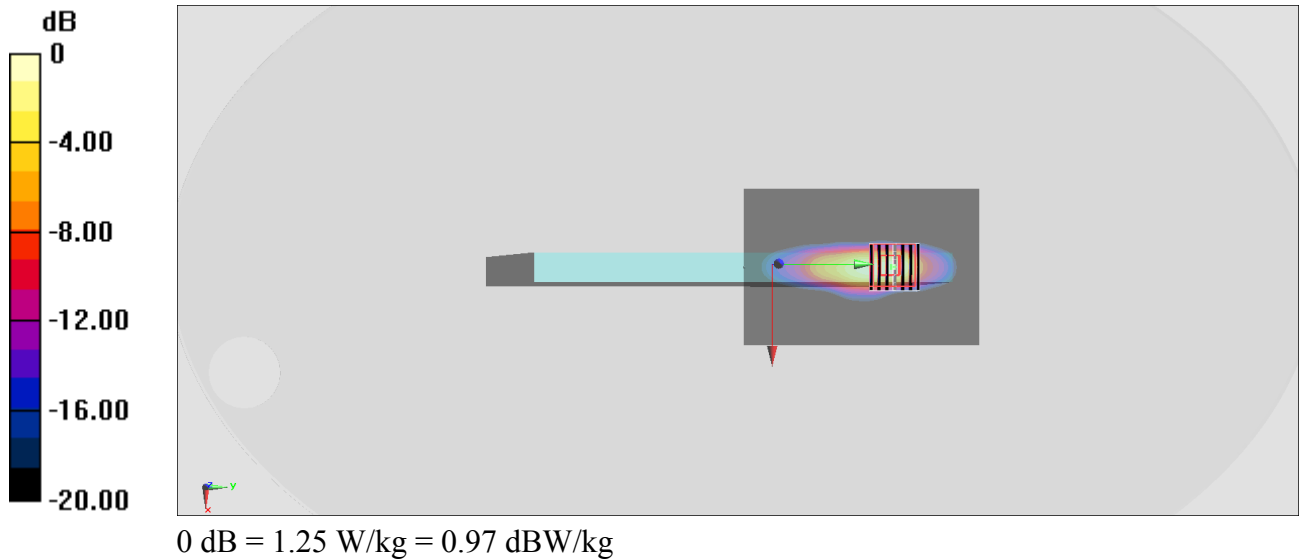
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 15.73 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 2.27 W/kg

**SAR(1 g) = 0.482 W/kg; SAR(10 g) = 0.124 W/kg**

Maximum value of SAR (measured) = 1.25 W/kg



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

Communication System: Bluetooth; Frequency: 2480 MHz; Duty Cycle: 1:1.313

Medium: MSL\_2450\_181228 Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.999$  S/m;  $\epsilon_r = 51.988$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.9 °C ; Liquid Temperature : 22.9 °C

DASY5 Configuration:

- Probe: ES3DV3 - SN3169; ConvF(4.4, 4.4, 4.4) ; Calibrated: 2018/5/28
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn918; Calibrated: 2018/6/20
- Phantom: ELI v4.0; Type: QDOVA001BB; Serial: TP:1041
- Measurement SW: DASY52, Version 52.10 (1); SEMCAD X Version 14.6.11 (7439)

**Area Scan (51x81x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0.0865 W/kg

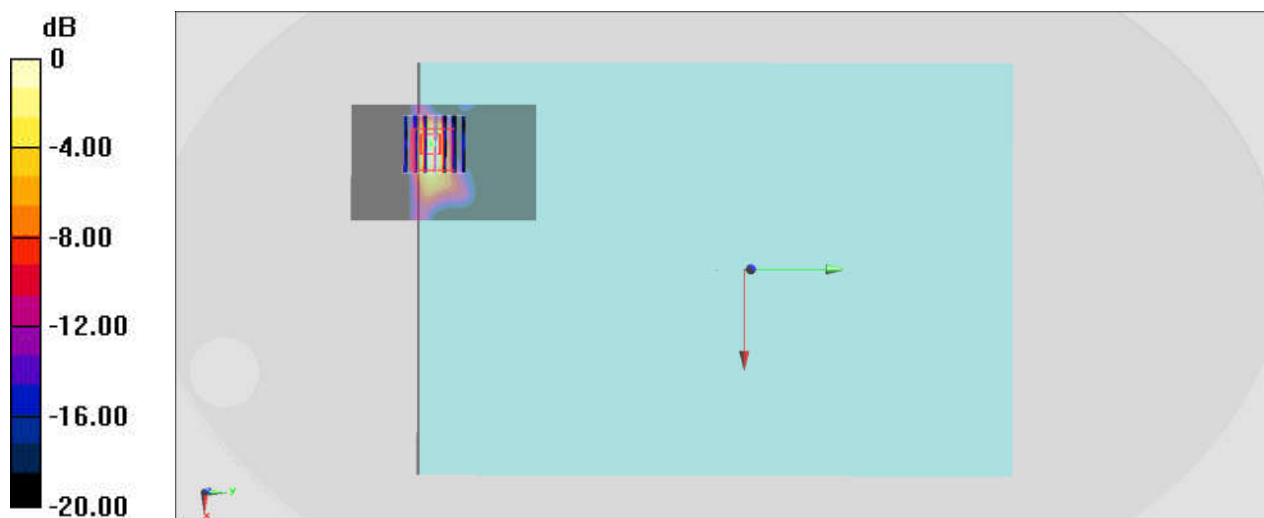
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.866 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.141 W/kg

**SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.014 W/kg**

Maximum value of SAR (measured) = 0.0710 W/kg



0 dB = 0.0710 W/kg = -11.49 dBW/kg