

## Appendix B - SAR Measurement

Test Laboratory: TUV Inc.

Date: 2026/8/3

### 08\_WLAN2.4GHz\_802.11b 1Mbps\_Edge2\_0mm\_Ch1\_Ant 1+2

**DUT: ONYX-MD116T**

Communication System: UID 0, 01 WLAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450\_260803 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.777$  S/m;  $\epsilon_r = 40.026$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.3 °C

DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(6.98, 6.88, 8.06) @ 2412 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -59.0, 31.0$
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1153
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Area Scan (9x27x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 2.25 W/kg

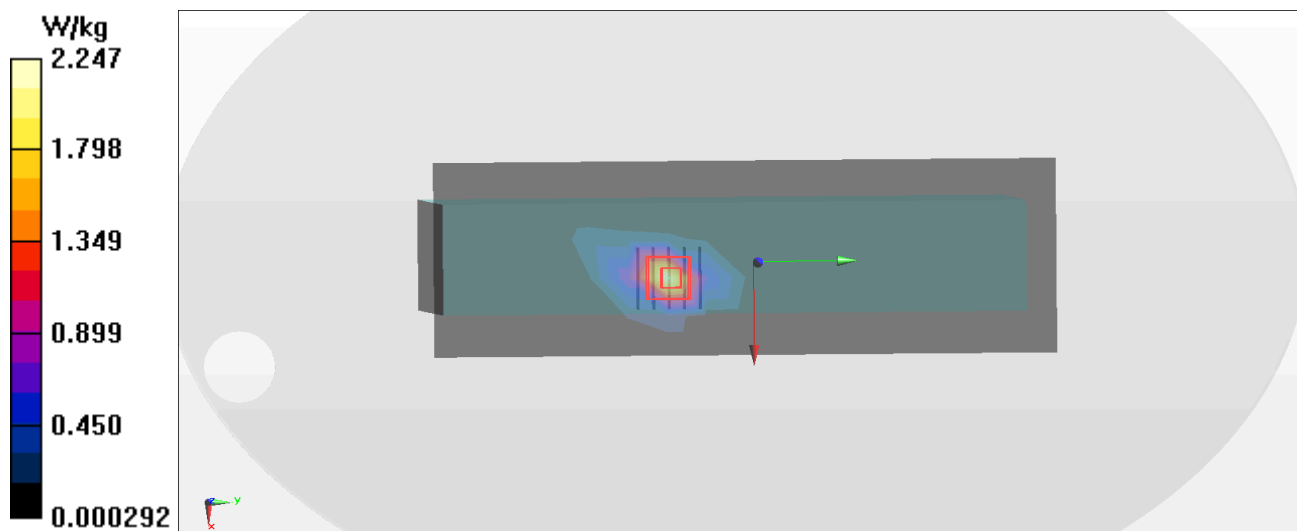
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.03 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.65 W/kg

**SAR(1 g) = 1.4 W/kg; SAR(10 g) = 0.666 W/kg**

Maximum value of SAR (measured) = 2.22 W/kg



**21\_WLAN5GHz\_802.11be-EHT40 MCS0\_Edge2\_0mm\_Ch46\_Ant 1+2****DUT: ONYX-MD116T**

Communication System: UID 0, 01 WLAN (0); Frequency: 5230 MHz; Duty Cycle: 1:1.29897

Medium: HSL5G\_260804 Medium parameters used:  $f = 5230$  MHz;  $\sigma = 4.548$  S/m;  $\epsilon_r = 35.886$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.1 °C

**DASY Configuration:**

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(5.27, 5.2, 6.09) @ 5230 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -59.0, 23.0$
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1153
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Area Scan (11x33x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 1.16 W/kg

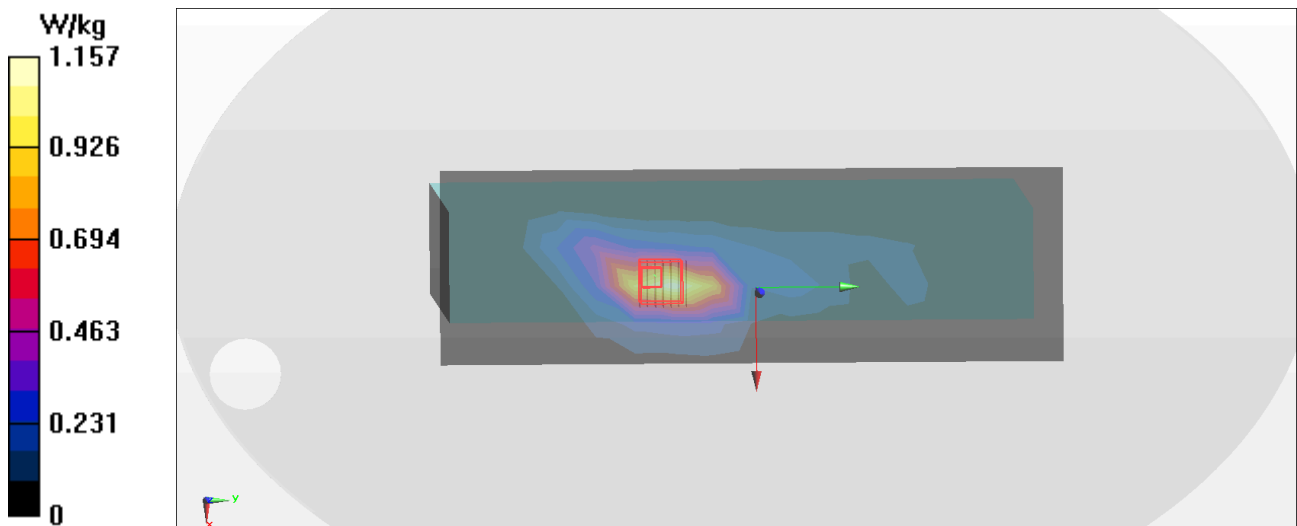
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 8.758 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.82 W/kg

**SAR(1 g) = 0.812 W/kg; SAR(10 g) = 0.308 W/kg**

Maximum value of SAR (measured) = 1.78 W/kg



**26\_WLAN5GHz\_802.11be-EHT40 MCS0\_Edge2\_0mm\_Ch54\_Ant 1+2****DUT: ONYX-MD116T**

Communication System: UID 0, 01 WLAN (0); Frequency: 5270 MHz; Duty Cycle: 1:1.29897

Medium: HSL5G\_260804 Medium parameters used:  $f = 5270$  MHz;  $\sigma = 4.58$  S/m;  $\epsilon_r = 35.847$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.1 °C

**DASY Configuration:**

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(5.27, 5.2, 6.09) @ 5270 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -59.0, 23.0$
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1153
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Area Scan (11x33x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 1.87 W/kg

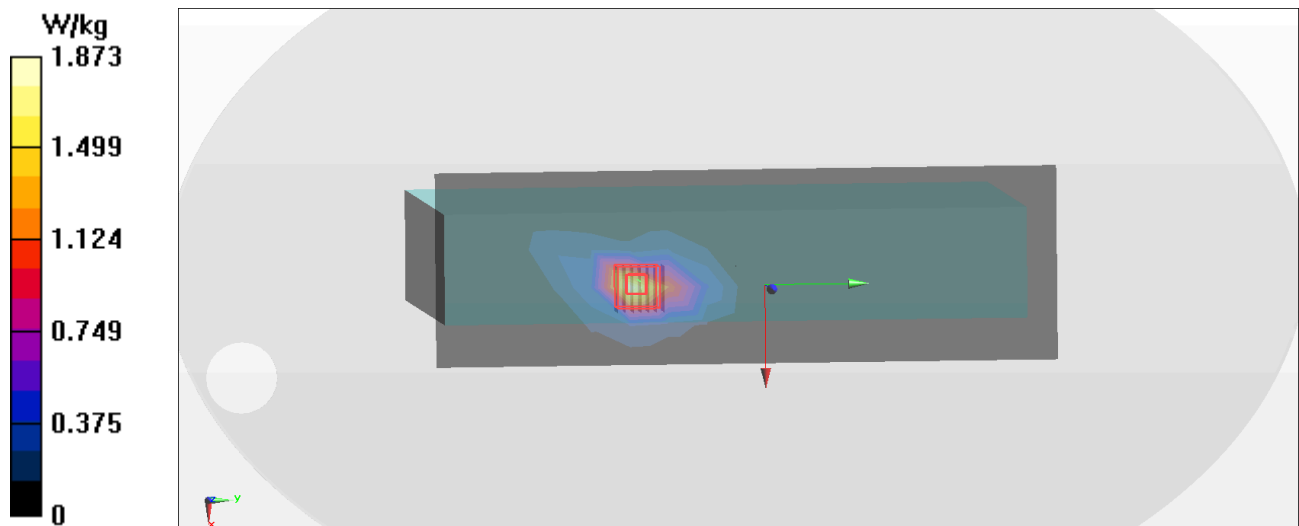
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 5.576 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.32 W/kg

**SAR(1 g) = 0.913 W/kg; SAR(10 g) = 0.332 W/kg**

Maximum value of SAR (measured) = 2.03 W/kg



**34\_WLAN5GHz\_802.11be-EHT20 MCS0\_Edge2\_0mm\_Ch100\_Ant 1+2****DUT: ONYX-MD116T**

Communication System: UID 0, 01 WLAN (0); Frequency: 5500 MHz; Duty Cycle: 1:1.29897

Medium: HSL5G\_260804 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 4.838$  S/m;  $\epsilon_r = 35.436$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.1 °C

**DASY Configuration:**

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(4.67, 4.61, 5.39) @ 5500 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -59.0, 23.0$
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1153
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Area Scan (11x33x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 1.76 W/kg

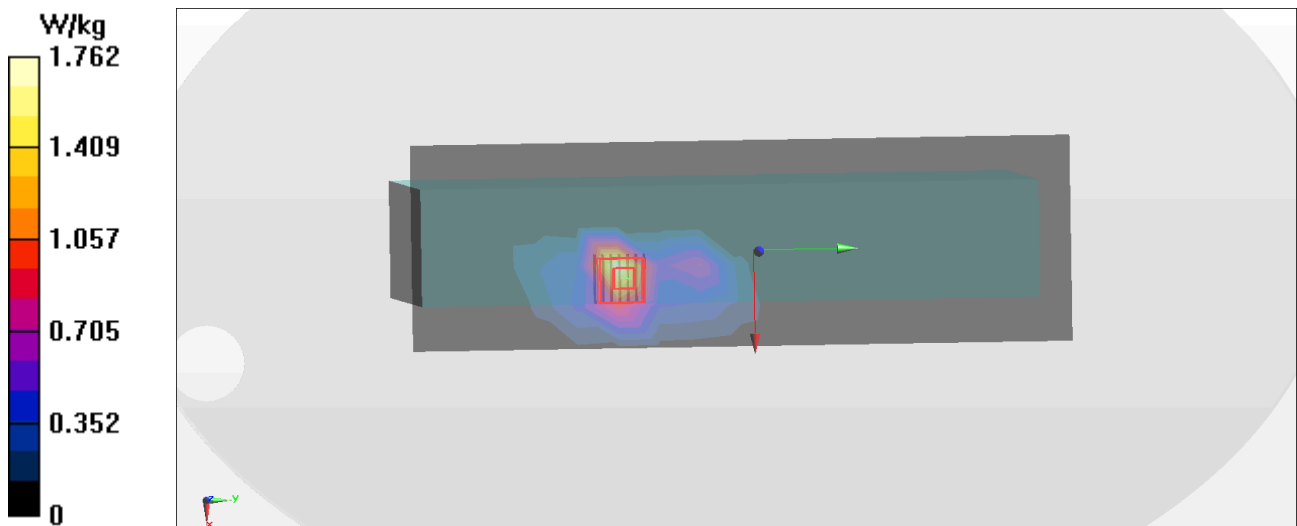
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 5.930 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 4.47 W/kg

**SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.443 W/kg**

Maximum value of SAR (measured) = 2.68 W/kg



**41\_WLAN5GHz\_802.11be-EHT20 MCS0\_Edge2\_0mm\_Ch157\_Ant 1+2****DUT: ONYX-MD116T**

Communication System: UID 0, 01 WLAN (0); Frequency: 5785 MHz; Duty Cycle: 1:1.29897

Medium: HSL5G\_260804 Medium parameters used (interpolated):  $f = 5785$  MHz;  $\sigma = 5.168$  S/m;  $\epsilon_r =$

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

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.1 °C

**DASY Configuration:**

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(4.73, 4.67, 5.47) @ 5785 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -59.0, 23.0$
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1153
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Area Scan (11x33x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

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

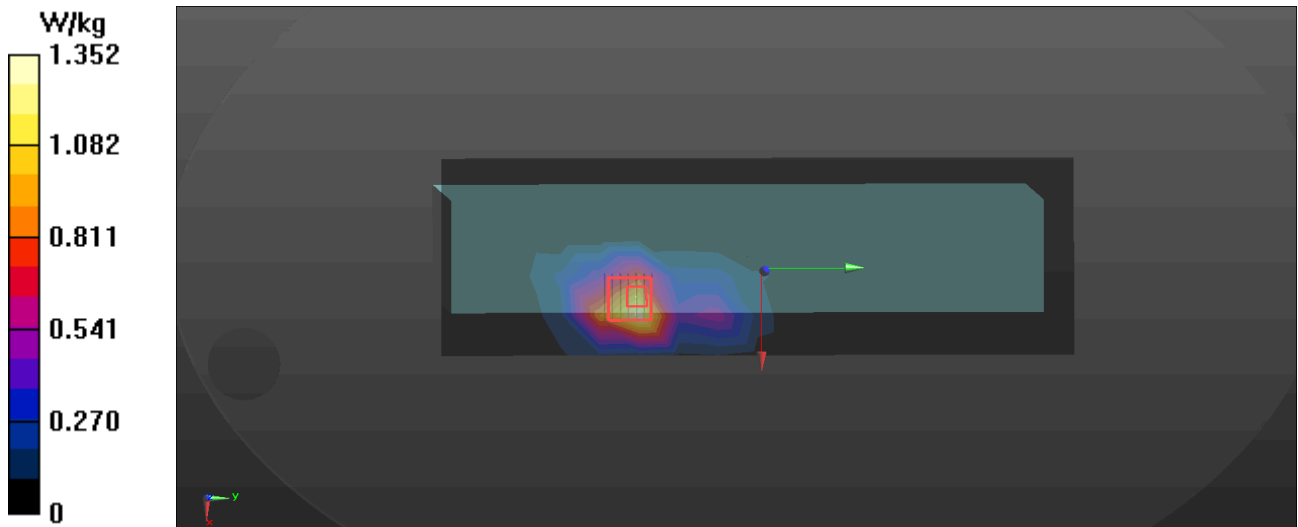
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 4.679 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 5.39 W/kg

**SAR(1 g) = 1.29 W/kg; SAR(10 g) = 0.493 W/kg**

Maximum value of SAR (measured) = 3.06 W/kg



**43\_WLAN5GHz\_802.11be-EHT80 MCS0\_Edge2\_0mm\_Ch171\_Ant 1+2****DUT: ONYX-MD116T**

Communication System: UID 0, 01 WLAN (0); Frequency: 5855 MHz; Duty Cycle: 1:1.29897

Medium: HSL5G\_260804 Medium parameters used:  $f = 5855$  MHz;  $\sigma = 5.253$  S/m;  $\epsilon_r = 34.796$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 22.1 °C

**DASY Configuration:**

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(4.73, 4.67, 5.47) @ 5855 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -59.0, 23.0$
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1153
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Area Scan (11x33x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 2.49 W/kg

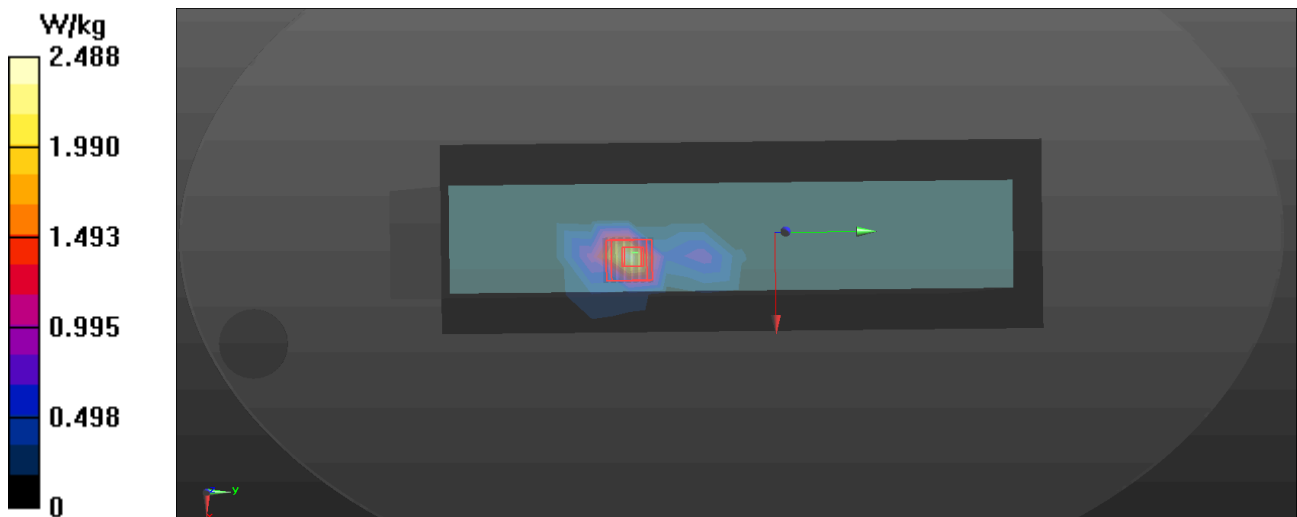
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=1.4$ mm

Reference Value = 14.14 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 4.42 W/kg

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.413 W/kg**

Maximum value of SAR (measured) = 2.45 W/kg



**61\_Bluetooth\_BLE-1Mbps\_Edge2\_0mm\_Ch19\_Ant2****DUT: ONYX-MD116T**

Communication System: UID 0, 01 Bluetooth (0); Frequency: 2440 MHz; Duty Cycle: 1:1.46117

Medium: HSL2450\_260803 Medium parameters used:  $f = 2440$  MHz;  $\sigma = 1.803$  S/m;  $\epsilon_r = 39.956$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.3 °C

**DASY Configuration:**

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(6.98, 6.88, 8.06) @ 2440 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -59.0, 31.0$
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1153
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Area Scan (9x27x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.103 W/kg

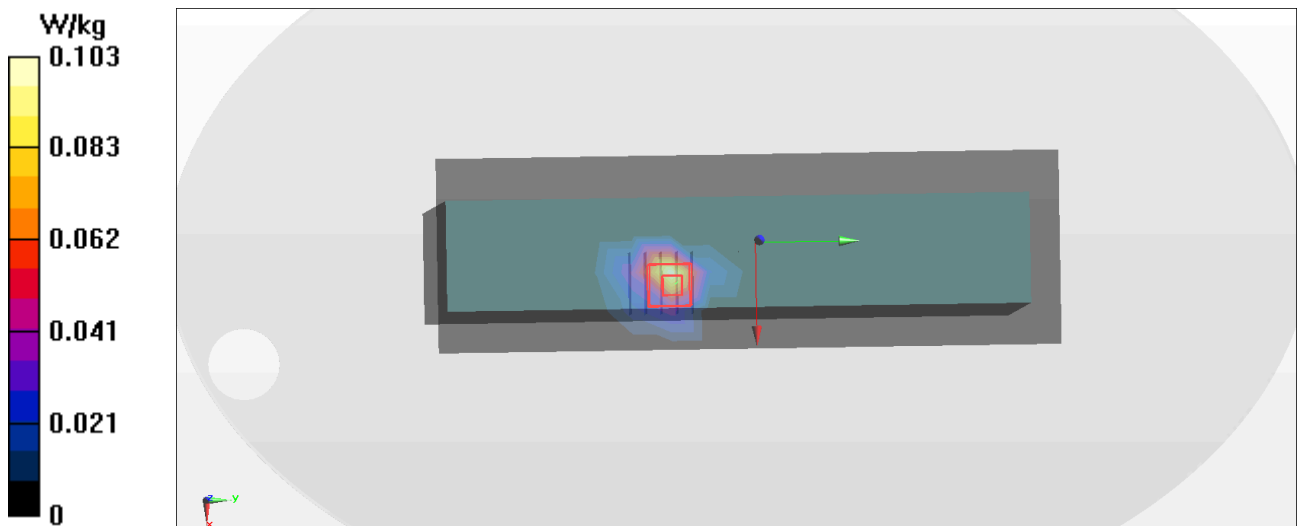
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 1.791 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.206 W/kg

**SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.043 W/kg**

Maximum value of SAR (measured) = 0.165 W/kg



**08\_WLAN2.4GHz\_802.11b 1Mbps\_Edge2\_0mm\_Ch1\_Ant 1+2****DUT: ONYX-MD116T**

Communication System: UID 0, 01 WLAN (0); Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: HSL2450\_260803 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.777$  S/m;  $\epsilon_r = 40.026$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.3 °C

**DASY Configuration:**

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(6.98, 6.88, 8.06) @ 2412 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = -59.0, 31.0$
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1153
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Area Scan (9x27x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 2.25 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 11.03 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.65 W/kg

**SAR(1 g) = 1.4 W/kg; SAR(10 g) = 0.666 W/kg**

Maximum value of SAR (measured) = 2.22 W/kg

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**DUT: ONYX-MD116T**

Communication System: UID 0, 01 Bluetooth (0); Frequency: 2440 MHz; Duty Cycle: 1:1.46117

Medium: HSL2450\_260803 Medium parameters used:  $f = 2440$  MHz;  $\sigma = 1.803$  S/m;  $\epsilon_r = 39.956$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C; Liquid Temperature : 22.3 °C

**DASY Configuration:**

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(6.98, 6.88, 8.06) @ 2440 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 31.0$
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1153
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 1.791 V/m; Power Drift = -0.61 dB

Maximum value of SAR (measured) = 0.165 W/kg

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**DUT: ONYX-MD116T**

Communication System: UID 0, 01 WLAN (0); Frequency: 5785 MHz; Duty Cycle: 1:1.29897  
Medium: HSL5G\_260804 Medium parameters used (interpolated):  $f = 5785$  MHz;  $\sigma = 5.168$  S/m;  $\epsilon_r = 34.913$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 22.1°C

#### DASY Configuration:

- Electronics: DAE4 Sn855; Calibrated: 2026/4/20
- Probe: EX3DV4 - SN7400; ConvF(4.73, 4.67, 5.47) @ 5785 MHz; Calibrated: 2026/4/23
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 23.0$
- Phantom: ELI V5.0 (20deg probe tilt); Type: QD OVA 002 AA; Serial: 1153
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

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

Reference Value = 4.679 V/m; Power Drift = -0.05 dB

Maximum value of SAR (measured) = 3.06 W/kg

