

Test Laboratory: TÜV Rheinland (Shenzhen) Co., Ltd.

Date: 2025/6/20

**P01 80.11b\_Top Side\_1cm\_Ch1**

**DUT: EUT**

Communication System: UID 0, 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: H2450 Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.804 \text{ S/m}$ ;  $\epsilon_r = 39.56$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(6.78, 7.22, 6.73) @ 2412 MHz; Calibrated: 2024/11/12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2024/10/8
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: 1961
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x71x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.416 \text{ W/kg}$

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

Reference Value =  $13.96 \text{ V/m}$ ; Power Drift =  $0.02 \text{ dB}$

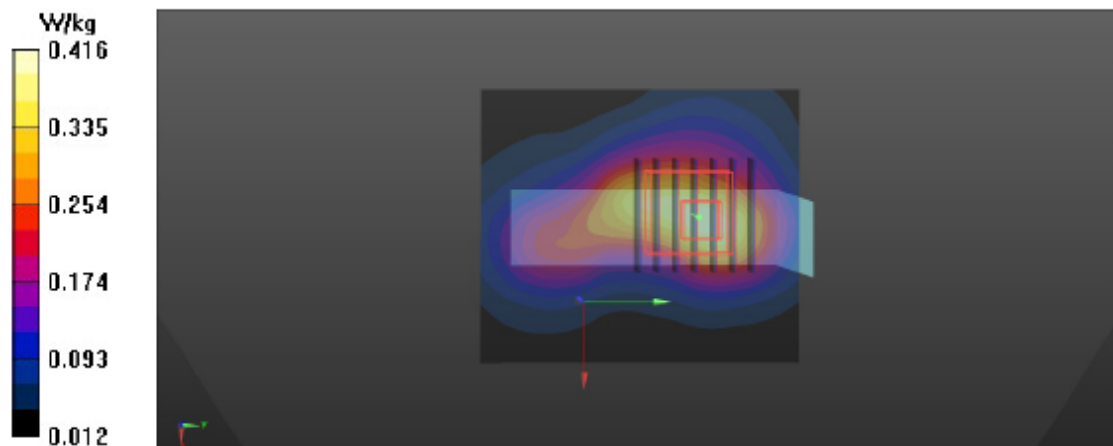
Peak SAR (extrapolated) =  $0.471 \text{ W/kg}$

SAR(1 g) =  $0.268 \text{ W/kg}$ ; SAR(10 g) =  $0.149 \text{ W/kg}$

Smallest distance from peaks to all points 3 dB below =  $12 \text{ mm}$

Ratio of SAR at M2 to SAR at M1 =  $57.6\%$

Maximum value of SAR (measured) =  $0.391 \text{ W/kg}$



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## P02 BLE\_1M\_Top Side\_1cm\_Ch0

DUT: EUT

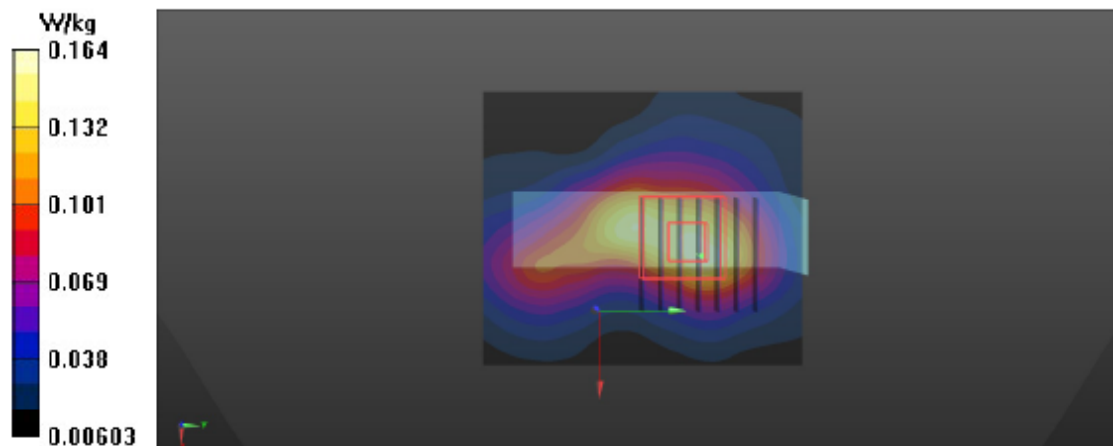
Communication System: UID 0, BT; Frequency: 2402 MHz; Duty Cycle: 1:1  
Medium: H2450 Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.793$  S/m;  $\epsilon_r = 39.592$ ;  $\rho = 1000$  kg/m<sup>3</sup>

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(6.78, 7.22, 6.73) @ 2402 MHz; Calibrated: 2024/11/12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2024/10/8
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: 1961
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x71x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm  
Maximum value of SAR (interpolated) = 0.164 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 9.863 V/m; Power Drift = -0.08 dB  
Peak SAR (extrapolated) = 0.189 W/kg  
SAR(1 g) = 0.106 W/kg; SAR(10 g) = 0.058 W/kg  
Smallest distance from peaks to all points 3 dB below = 13.3 mm  
Ratio of SAR at M2 to SAR at M1 = 54.3%  
Maximum value of SAR (measured) = 0.157 W/kg



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**P03 80.11b\_Top Side\_0cm\_Ch1**

**DUT: EUT**

Communication System: UID 0, 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: H2450 Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.804 \text{ S/m}$ ;  $\epsilon_r = 39.56$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(6.78, 7.22, 6.73) @ 2412 MHz; Calibrated: 2024/11/12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2024/10/8
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: 1961
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x71x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) =  $3.93 \text{ W/kg}$

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

Reference Value =  $43.55 \text{ V/m}$ ; Power Drift =  $-0.01 \text{ dB}$

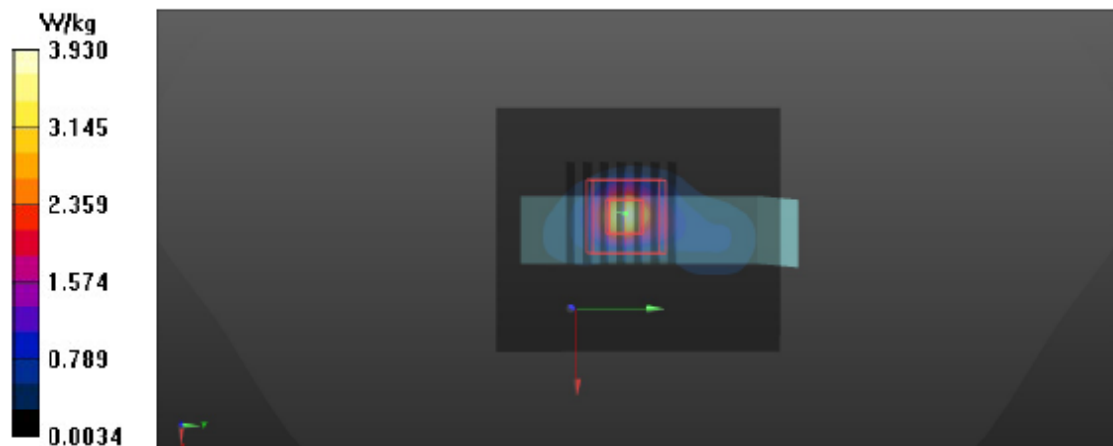
Peak SAR (extrapolated) =  $4.71 \text{ W/kg}$

SAR(1 g) =  $1.91 \text{ W/kg}$ ; SAR(10 g) =  $0.708 \text{ W/kg}$

Smallest distance from peaks to all points 3 dB below =  $7.6 \text{ mm}$

Ratio of SAR at M2 to SAR at M1 =  $42.6\%$

Maximum value of SAR (measured) =  $3.66 \text{ W/kg}$



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### P04 BLE\_1M\_Top Side\_0cm\_Ch0

DUT: EUT

Communication System: UID 0, BT; Frequency: 2402 MHz; Duty Cycle: 1:1  
Medium: H2450 Medium parameters used:  $f = 2402 \text{ MHz}$ ;  $\sigma = 1.793 \text{ S/m}$ ;  $\epsilon_r = 39.592$ ;  $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(6.78, 7.22, 6.73) @ 2402 MHz; Calibrated: 2024/11/12
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2024/10/8
- Phantom: SAM 1; Type: QD 000 P40 CB; Serial: 1961
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

- **Area Scan (61x71x1):** Interpolated grid:  $dx=1.200 \text{ mm}$ ,  $dy=1.200 \text{ mm}$   
Maximum value of SAR (interpolated) = 1.43 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 21.60 V/m; Power Drift = -0.01 dB  
Peak SAR (extrapolated) = 1.91 W/kg  
 $\text{SAR}(1 \text{ g}) = 0.784 \text{ W/kg}$ ;  $\text{SAR}(10 \text{ g}) = 0.292 \text{ W/kg}$   
Smallest distance from peaks to all points 3 dB below = 7.6 mm  
Ratio of SAR at M2 to SAR at M1 = 44.1%  
Maximum value of SAR (measured) = 1.49 W/kg

