

Appendix B: SAR Plots of SAR Measurement

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

Date: 2025/3/4

P01 80.11b_Front Face_1cm_Ch1

DUT: EUT

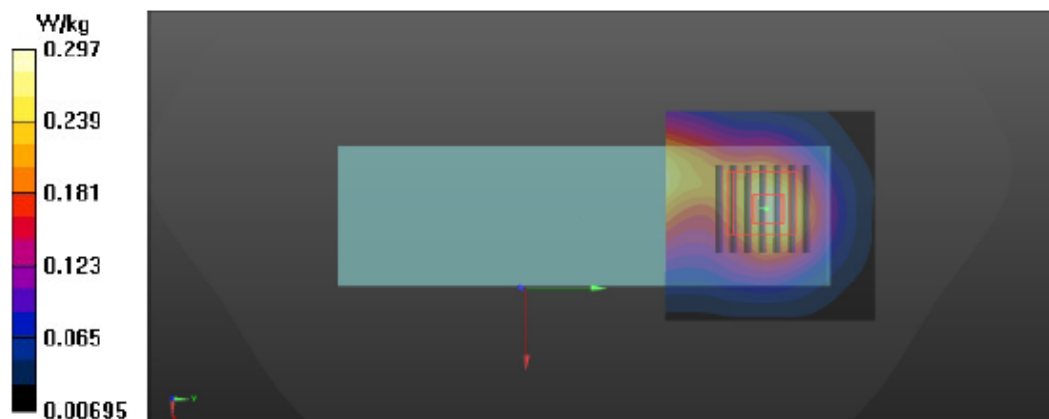
Communication System: UID 0, 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: H2450 Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.757 \text{ S/m}$; $\epsilon_r = 39.938$; $\rho = 1000 \text{ kg/m}^3$

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 (61x61x1): Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$
Maximum value of SAR (interpolated) = 0.297 W/kg

- Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 9.262 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.346 W/kg
SAR(1 g) = 0.181 W/kg; SAR(10 g) = 0.097 W/kg
Smallest distance from peaks to all points 3 dB below = 16.6 mm
Ratio of SAR at M2 to SAR at M1 = 50.7%
Maximum value of SAR (measured) = 0.284 W/kg



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

Date: 2025/3/4

P02 BLE_1M_Front Face_1cm_Ch0

DUT: EUT

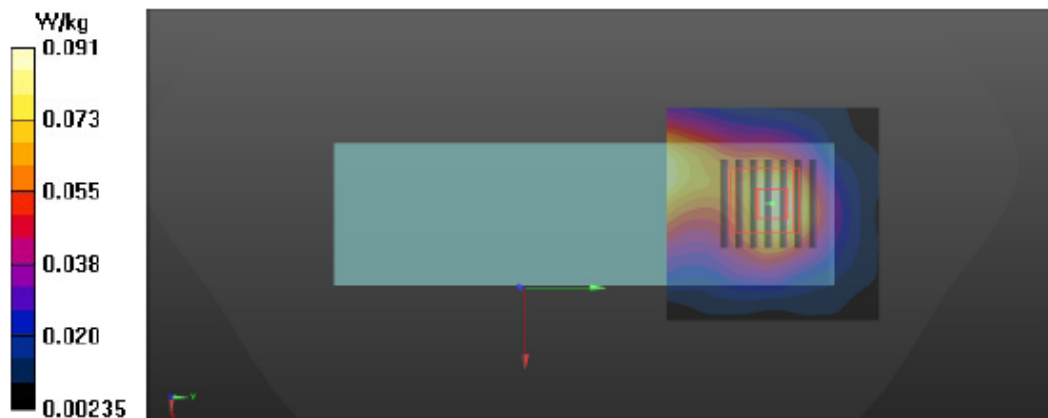
Communication System: UID 0, BT; Frequency: 2402 MHz; Duty Cycle: 1:1
Medium: H2450 Medium parameters used: $f = 2402 \text{ MHz}$; $\sigma = 1.747 \text{ S/m}$; $\epsilon_r = 39.934$; $\rho = 1000 \text{ kg/m}^3$

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 (61x61x1): Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$
Maximum value of SAR (interpolated) = 0.0907 W/kg

- Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 5.339 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.112 W/kg
SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.030 W/kg
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid
Ratio of SAR at M2 to SAR at M1 = 48.6%
Maximum value of SAR (measured) = 0.0899 W/kg



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

Date: 2025/3/4

P03 80.11b_Front Face_0cm_Ch1

DUT: EUT

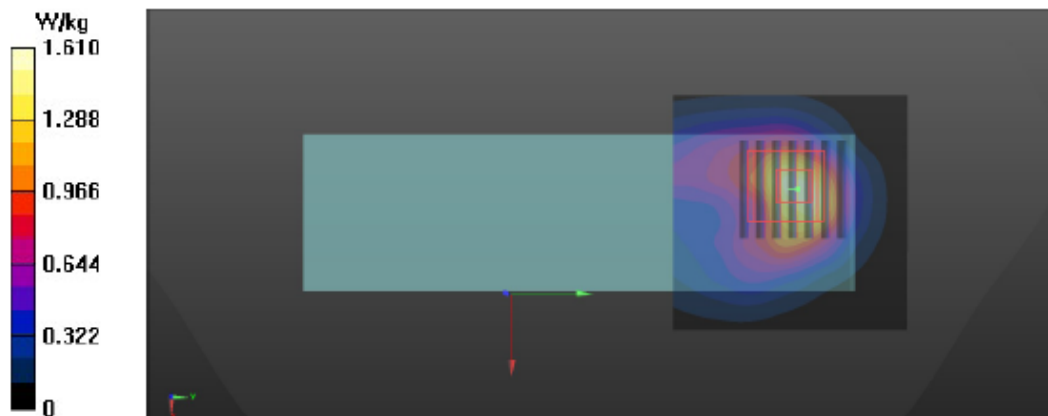
Communication System: UID 0, 802.11b; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium: H2450 Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.757 \text{ S/m}$; $\epsilon_r = 39.938$; $\rho = 1000 \text{ kg/m}^3$

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 (61x61x1):** Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$
Maximum value of SAR (interpolated) = 1.61 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 12.86 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 2.09 W/kg
SAR(1 g) = 1 W/kg; SAR(10 g) = 0.508 W/kg
Smallest distance from peaks to all points 3 dB below = 12.5 mm
Ratio of SAR at M2 to SAR at M1 = 48.2%
Maximum value of SAR (measured) = 1.64 W/kg



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

Date: 2025/3/4

P04 BLE_1M_Front Face_0cm_Ch0

DUT: EUT

Communication System: UID 0, BT; Frequency: 2402 MHz; Duty Cycle: 1:1
Medium: H2450 Medium parameters used: $f = 2402 \text{ MHz}$; $\sigma = 1.747 \text{ S/m}$; $\epsilon_r = 39.934$; $\rho = 1000 \text{ kg/m}^3$

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 (61x61x1):** Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$
Maximum value of SAR (interpolated) = 0.607 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 7.529 V/m ; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.791 W/kg
 $\text{SAR}(1 \text{ g}) = 0.372 \text{ W/kg}$; $\text{SAR}(10 \text{ g}) = 0.186 \text{ W/kg}$
Smallest distance from peaks to all points 3 dB below = 12.1 mm
Ratio of SAR at M2 to SAR at M1 = 44.1%
Maximum value of SAR (measured) = 0.622 W/kg

