

Appendix B: SAR Plots of SAR Measurement

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

Date: 2024/5/11

P01 80.11b_Top Side_1cm_Ch1

DUT: EUT

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

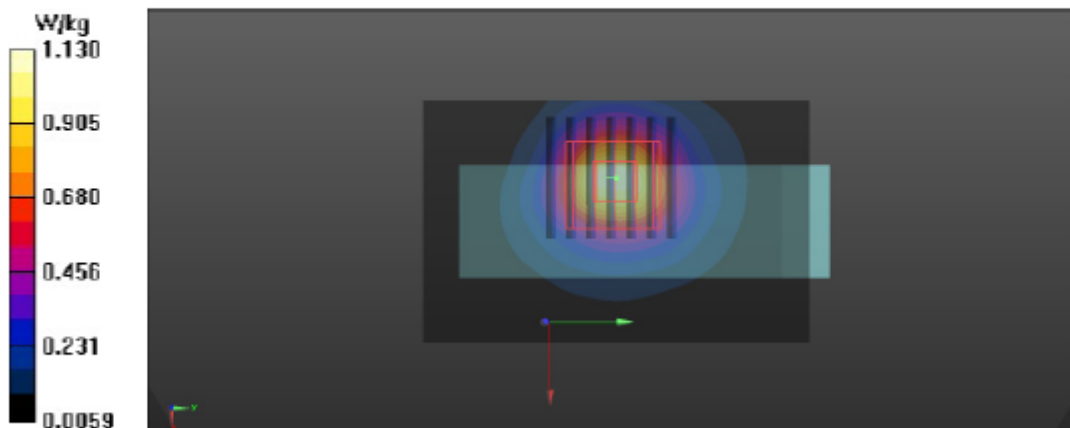
Medium: H2450 Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.844 \text{ S/m}$; $\epsilon_r = 38.23$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.98, 7.98, 7.98) @ 2412 MHz; Calibrated: 2023/6/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2023/7/6
- 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 (51x81x1)**: Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$
Maximum value of SAR (interpolated) = 1.13 W/kg

- **/Zoom Scan (7x7x7)/Cube 0**: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 20.22 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.39 W/kg
SAR(1 g) = 0.713 W/kg; SAR(10 g) = 0.351 W/kg
Smallest distance from peaks to all points 3 dB below = 12 mm
Ratio of SAR at M2 to SAR at M1 = 51.8%
Maximum value of SAR (measured) = 1.13 W/kg



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

Date: 2024/5/11

P02 BLE_2M_Top Side_0.5cm_Ch0

DUT: EUT

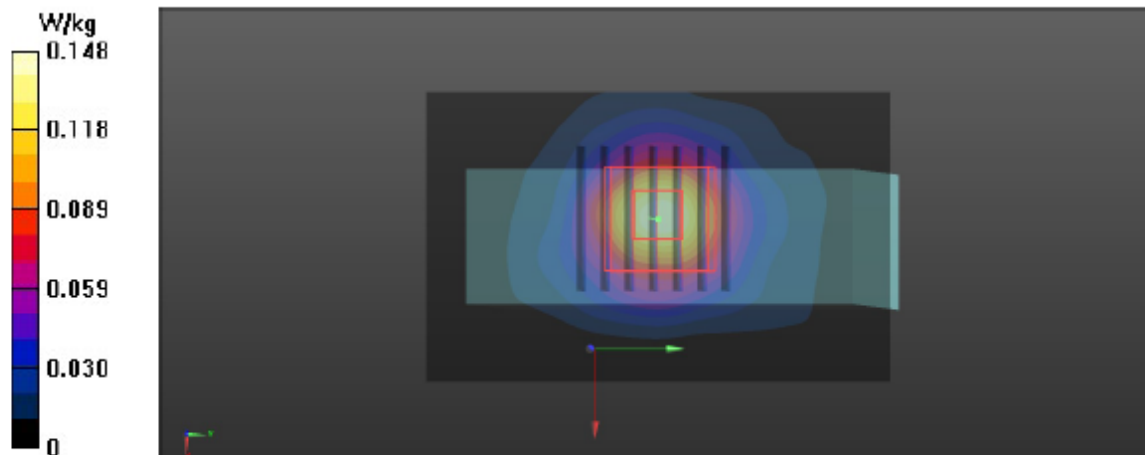
Communication System: UID 0, BT; Frequency: 2402 MHz; Duty Cycle: 1:1
Medium: H2450 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.835$ S/m; $\epsilon_r = 38.243$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.98, 7.98, 7.98) @ 2402 MHz; Calibrated: 2023/6/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2023/7/6
- 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 (51x81x1):** Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.148 W/kg

- **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 8.727 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.177 W/kg
SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.044 W/kg
Smallest distance from peaks to all points 3 dB below = 11.2 mm
Ratio of SAR at M2 to SAR at M1 = 52.1%
Maximum value of SAR (measured) = 0.144 W/kg



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

Date: 2024/5/11

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: $f = 2412$ MHz; $\sigma = 1.844$ S/m; $\epsilon_r = 38.23$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.98, 7.98, 7.98) @ 2412 MHz; Calibrated: 2023/6/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2023/7/6
- 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 (51x81x1):** Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 3.27 W/kg

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

Reference Value = 36.79 V/m; Power Drift = -0.02 dB

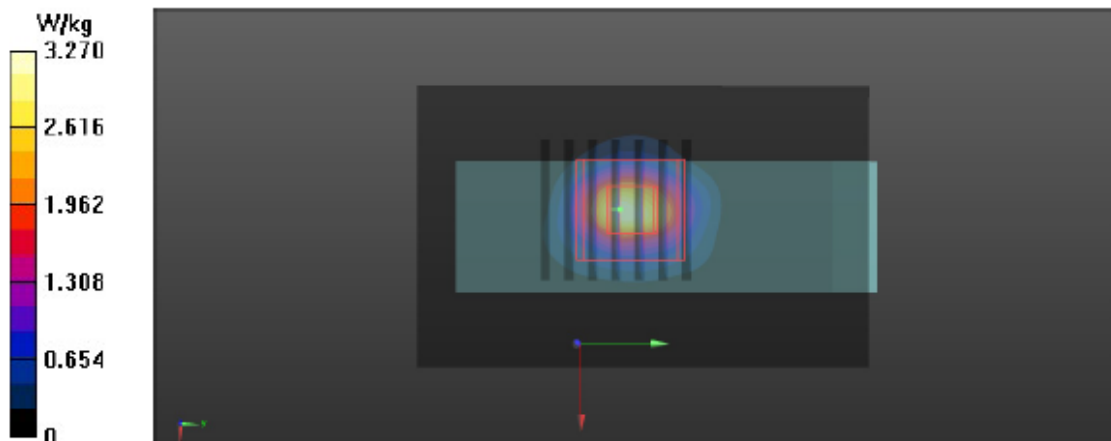
Peak SAR (extrapolated) = 3.76 W/kg

SAR(1 g) = 1.64 W/kg; SAR(10 g) = 0.664 W/kg

Smallest distance from peaks to all points 3 dB below = 7.3 mm

Ratio of SAR at M2 to SAR at M1 = 45.2%

Maximum value of SAR (measured) = 2.85 W/kg



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

Date: 2024/5/11

P04 BLE_2M_Top Side_0cm_Ch0

DUT: EUT

Communication System: UID 0, BT; Frequency: 2402 MHz; Duty Cycle: 1:1
Medium: H2450 Medium parameters used: $f = 2402$ MHz; $\sigma = 1.835$ S/m; $\epsilon_r = 38.243$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7506; ConvF(7.98, 7.98, 7.98) @ 2402 MHz; Calibrated: 2023/6/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1557; Calibrated: 2023/7/6
- 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 (51x81x1)**: Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.629 W/kg

- **Zoom Scan (7x7x7)/Cube 0**: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 14.74 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.699 W/kg
SAR(1 g) = 0.298 W/kg; SAR(10 g) = 0.117 W/kg
Smallest distance from peaks to all points 3 dB below = 7 mm
Ratio of SAR at M2 to SAR at M1 = 45%
Maximum value of SAR (measured) = 0.505 W/kg

