
Appendix B. Highest Measurement Data

Test Laboratory: DEKRA

Date: 2026/03/07

7_WLAN2.4GHz_802.11b-1M_CH11_Front_5mm_ANT Main**DUT: E-BIKE ECU; Type: TM-B**

Communication System: UID 0, WLAN 2.4G; Frequency: 2462 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 2462$ MHz; $\sigma = 1.82$ S/m; $\epsilon_r = 40.47$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3975; ConvF(6.66, 7.14, 6.96) @ 2462 MHz; Calibrated: 2025/08/06
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2025/07/14
- Phantom: ELI V8.0; Type: QD OVA 004 AA; Serial: 2139
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (9x16x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.285 W/kg

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

Reference Value = 14.95 V/m; Power Drift = 0.19 dB

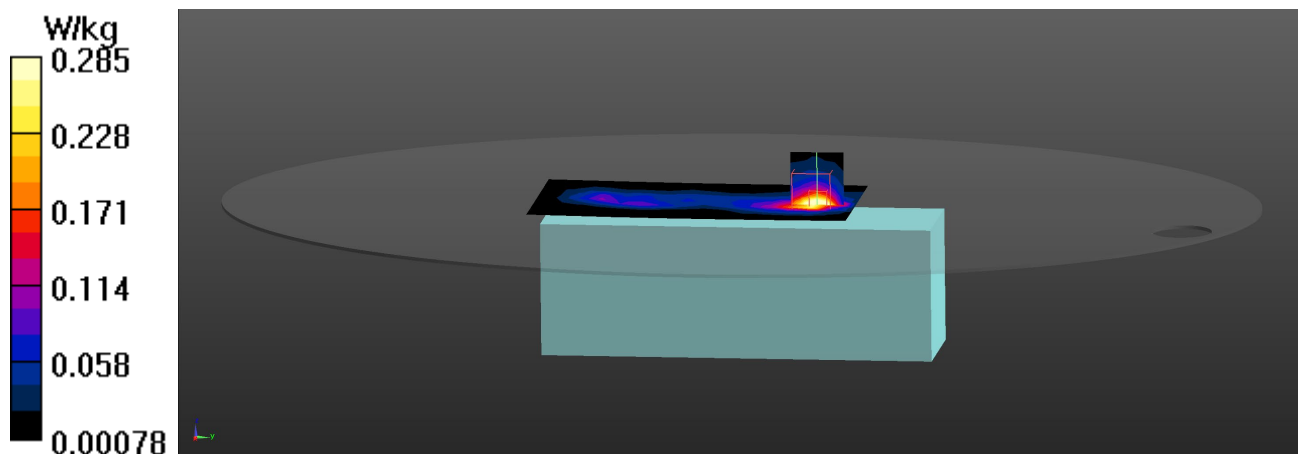
Peak SAR (extrapolated) = 0.493 W/kg

SAR(1 g) = 0.233 W/kg; SAR(10 g) = 0.109 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

Ratio of SAR at M2 to SAR at M1 = 51.3%

Maximum value of SAR (measured) = 0.390 W/kg



Test Laboratory: DEKRA

Date: 2026/03/07

18_Bluetooth_BLE-1M_CH39_Front_5mm_ANT Main**DUT: E-BIKE ECU; Type: TM-B**

Communication System: UID 0, BT 1M&3M&BLE; Frequency: 2480 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 2480$ MHz; $\sigma = 1.85$ S/m; $\epsilon_r = 40.33$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3975; ConvF(6.66, 7.14, 6.96) @ 2480 MHz; Calibrated: 2025/08/06
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2025/07/14
- Phantom: ELI V8.0; Type: QD OVA 004 AA; Serial: 2139
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (9x16x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.0454 W/kg

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

Reference Value = 5.607 V/m; Power Drift = 0.11 dB

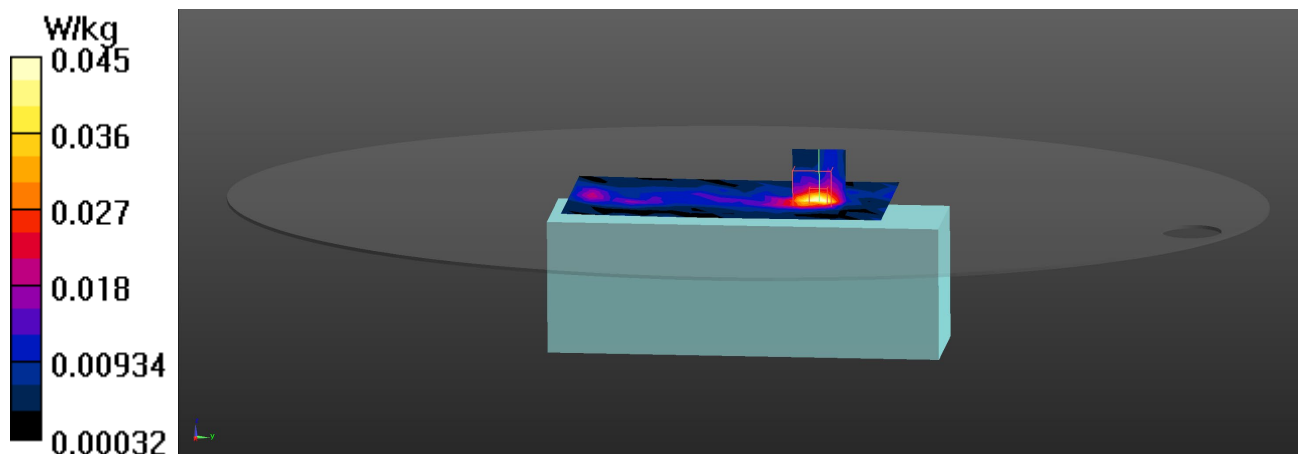
Peak SAR (extrapolated) = 0.0610 W/kg

SAR(1 g) = 0.033 W/kg; SAR(10 g) = 0.018 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 15 mm)

Ratio of SAR at M2 to SAR at M1 = 53.9%

Maximum value of SAR (measured) = 0.0529 W/kg



Test Laboratory: DEKRA

Date: 2026/03/04

1_LTE_Band2_QPSK_20M_18900_1RB-0offset_Front_5mm_ANT Main**DUT: E-BIKE ECU; Type: TM-B**

Communication System: UID 0, LTE Band2; Frequency: 1880 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.41$ S/m; $\epsilon_r = 41.31$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3975; ConvF(7.19, 7.71, 7.52) @ 1880 MHz; Calibrated: 2025/08/06
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2025/07/14
- Phantom: ELI V8.0; Type: QD OVA 004 AA; Serial: 2139
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (8x17x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.383 W/kg

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

Reference Value = 6.222 V/m; Power Drift = -0.17 dB

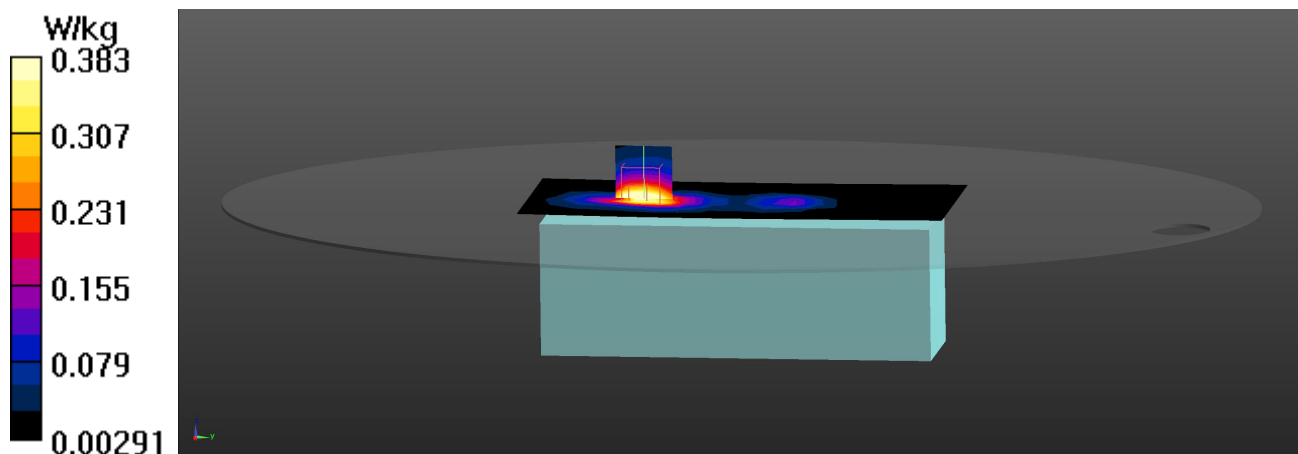
Peak SAR (extrapolated) = 0.624 W/kg

SAR(1 g) = 0.361 W/kg; SAR(10 g) = 0.202 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 59.1%

Maximum value of SAR (measured) = 0.522 W/kg



Test Laboratory: DEKRA

Date: 2026/02/24

3_LTE_Band12_QPSK_10M_23095_1RB-0offset_Front_5mm_ANT Main**DUT: E-BIKE ECU; Type: TM-B**

Communication System: UID 0, LTE Band12; Frequency: 707.5 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.87$ S/m; $\epsilon_r = 42.21$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3975; ConvF(9.08, 9.74, 9.5) @ 707.5 MHz; Calibrated: 2025/08/06
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2025/07/14
- Phantom: ELI V8.0; Type: QD OVA 004 AA; Serial: 2139
- Measurement SW: DASYS2, Version 52.10 (4);

Configuration/Flat/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.274 W/kg

Configuration/Flat/Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.74 V/m; Power Drift = -0.18 dB

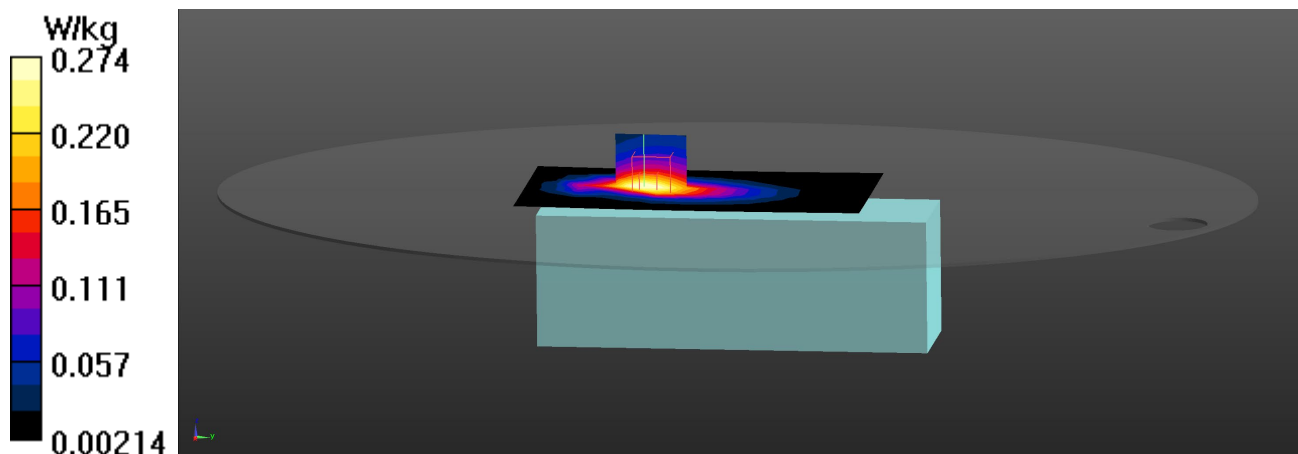
Peak SAR (extrapolated) = 0.337 W/kg

SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.144 W/kg

Smallest distance from peaks to all points 3 dB below = 12.2 mm

Ratio of SAR at M2 to SAR at M1 = 66.8%

Maximum value of SAR (measured) = 0.299 W/kg



Test Laboratory: DEKRA

Date: 2026/02/26

4_LTE_Band66_QPSK_20M_132322_1RB-0offset_Front_5mm_ANT Main**DUT: E-BIKE ECU; Type: TM-B**

Communication System: UID 0, LTE-FDD Band66; Frequency: 1745 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.38$ S/m; $\epsilon_r = 41.07$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2011)

DASY Configuration:

- Probe: EX3DV4 - SN3975; ConvF(7.38, 7.91, 7.72) @ 1745 MHz; Calibrated: 2025/08/06
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2025/07/14
- Phantom: ELI V8.0; Type: QD OVA 004 AA; Serial: 2139
- Measurement SW: DASYS2, Version 52.10 (4);

Configuration/Flat/Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.439 W/kg

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

Reference Value = 1.753 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.697 W/kg

SAR(1 g) = 0.414 W/kg; SAR(10 g) = 0.230 W/kg

Smallest distance from peaks to all points 3 dB below = 8.6 mm

Ratio of SAR at M2 to SAR at M1 = 64%

Maximum value of SAR (measured) = 0.574 W/kg

