
Appendix B. Highest Measurement Data

Test Laboratory: DEKRA

Date: 2025/03/25

64_Bluetooth_BLE-1M_CH39_Right-side_25mm_ANT Aux**DUT: TrackIng V5; Type: TKV5**

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

Communication System PAR: 0 dB

Medium parameters used: $f = 2480 \text{ MHz}$; $\sigma = 1.81 \text{ S/m}$; $\epsilon_r = 39.05$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(6.39, 8.11, 6.76) @ 2480 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2024/11/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (10x11x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 0.0166 W/kg

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

Reference Value = 2.815 V/m; Power Drift = -0.01 dB

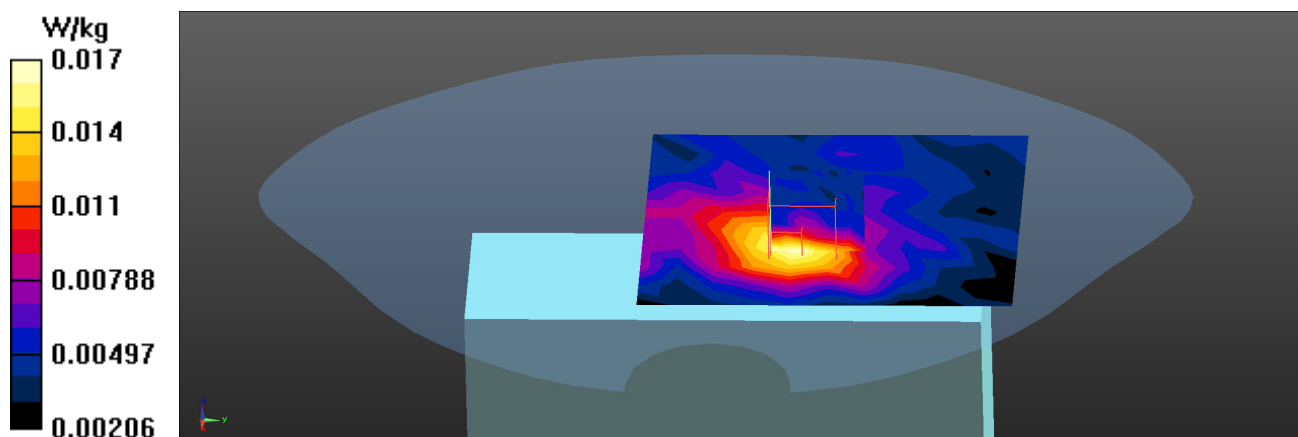
Peak SAR (extrapolated) = 0.0200 W/kg

SAR(1 g) = 0.012 W/kg; SAR(10 g) = 0.00798 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 = 61.2%

Maximum value of SAR (measured) = 0.0166 W/kg



Test Laboratory: DEKRA

Date: 2025/02/25

53_WCDMA Band 2_RMC_CH9262_Left-side_25mm**DUT: TrackIng V5; Type: TKV5**

Communication System: UID 0, WCDMA Band 2; Frequency: 1852.4 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.41$ S/m; $\epsilon_r = 40.93$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(6.74, 8.55, 7.13) @ 1852.4 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2024/11/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.599 W/kg

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

Reference Value = 19.36 V/m; Power Drift = -0.03 dB

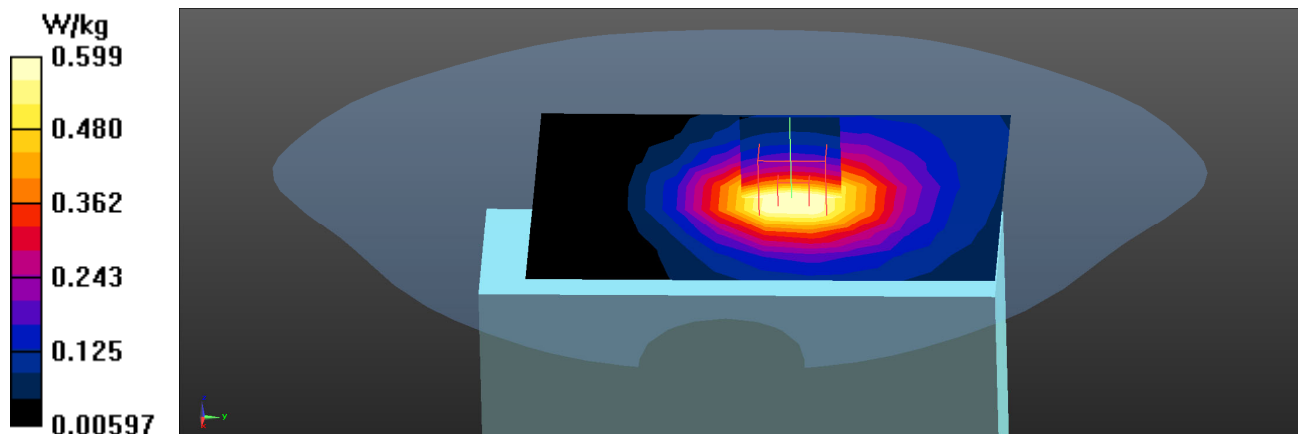
Peak SAR (extrapolated) = 0.764 W/kg

SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.318 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)

Ratio of SAR at M2 to SAR at M1 = 63.9%

Maximum value of SAR (measured) = 0.668 W/kg



Test Laboratory: DEKRA

Date: 2025/02/24

48_WCDMA Band 4_RMC_CH1413_Left-side_25mm**DUT: TrackIng V5; Type: TKV5**

Communication System: UID 0, WCDMA Band 4; Frequency: 1732.6 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 1732.6$ MHz; $\sigma = 1.34$ S/m; $\epsilon_r = 40.46$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(6.92, 8.78, 7.33) @ 1732.6 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2024/11/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.11 W/kg

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

Reference Value = 25.01 V/m; Power Drift = -0.03 dB

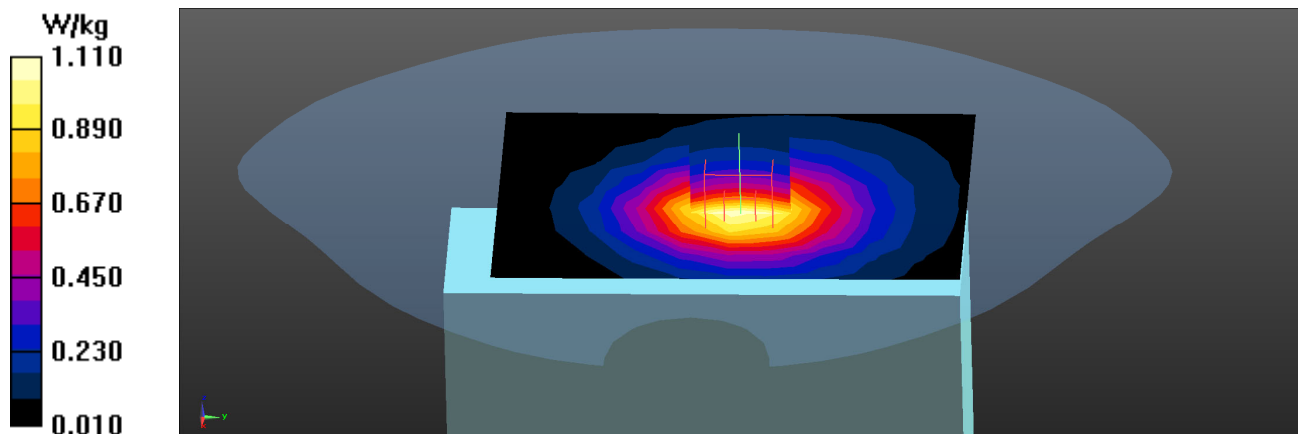
Peak SAR (extrapolated) = 1.29 W/kg

SAR(1 g) = 0.849 W/kg; SAR(10 g) = 0.554 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)

Ratio of SAR at M2 to SAR at M1 = 65.7%

Maximum value of SAR (measured) = 1.14 W/kg



Test Laboratory: DEKRA

Date: 2025/02/23

47_WCDMA Band 5_RMC_CH4233_Left-side_25mm**DUT: TrackIng V5; Type: TKV5**

Communication System: UID 0, WCDMA Band 5; Frequency: 846.6 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 846.6$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 41.04$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(8.22, 10.43, 8.7) @ 846.6 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2024/11/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.199 W/kg

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

Reference Value = 13.75 V/m; Power Drift = 0.03 dB

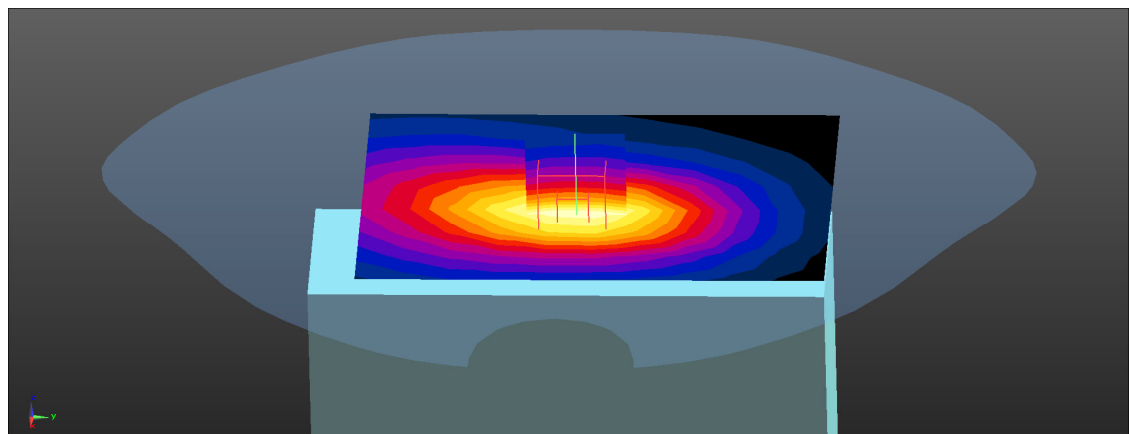
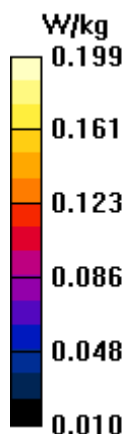
Peak SAR (extrapolated) = 0.229 W/kg

SAR(1 g) = 0.164 W/kg; SAR(10 g) = 0.119 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)

Ratio of SAR at M2 to SAR at M1 = 72%

Maximum value of SAR (measured) = 0.206 W/kg



Test Laboratory: DEKRA

Date: 2025/02/24

22_LTE Band 4_QPSK_20M_20300_1RB_0offset_ANT Main_Left-side_25mm_ANT Main**DUT: TrackIng V5; Type: TKV5**

Communication System: UID 0, LTE Band 4; Frequency: 1745 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.35$ S/m; $\epsilon_r = 40.49$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(6.92, 8.78, 7.33) @ 1745 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2024/11/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.17 W/kg

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

Reference Value = 24.92 V/m; Power Drift = 0.13 dB

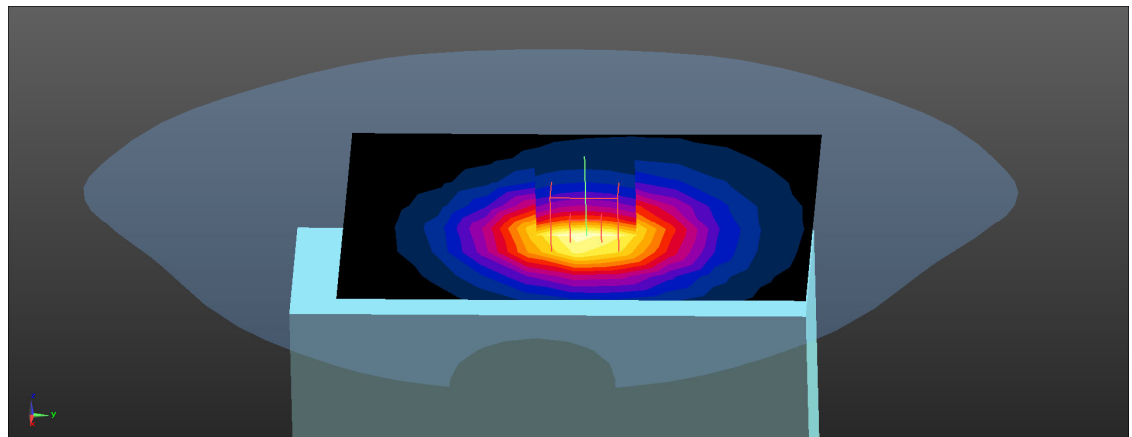
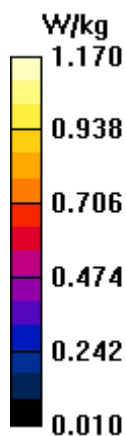
Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.896 W/kg; SAR(10 g) = 0.585 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)

Ratio of SAR at M2 to SAR at M1 = 66.2%

Maximum value of SAR (measured) = 1.19 W/kg



Test Laboratory: DEKRA

Date: 2025/02/22

24_LTE Band 12_QPSK_10M_23095_1RB_0offset_Front_25mm_ANT Main**DUT: TrackIng V5; Type: TKV5**

Communication System: UID 0, LTE Band 12; Frequency: 707.5 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.88$ S/m; $\epsilon_r = 40.99$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(8.47, 10.75, 8.97) @ 707.5 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2024/11/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASYS2, Version 52.10 (4);

Configuration/Flat/Area Scan (9x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.120 W/kg

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

Reference Value = 8.738 V/m; Power Drift = 0.07 dB

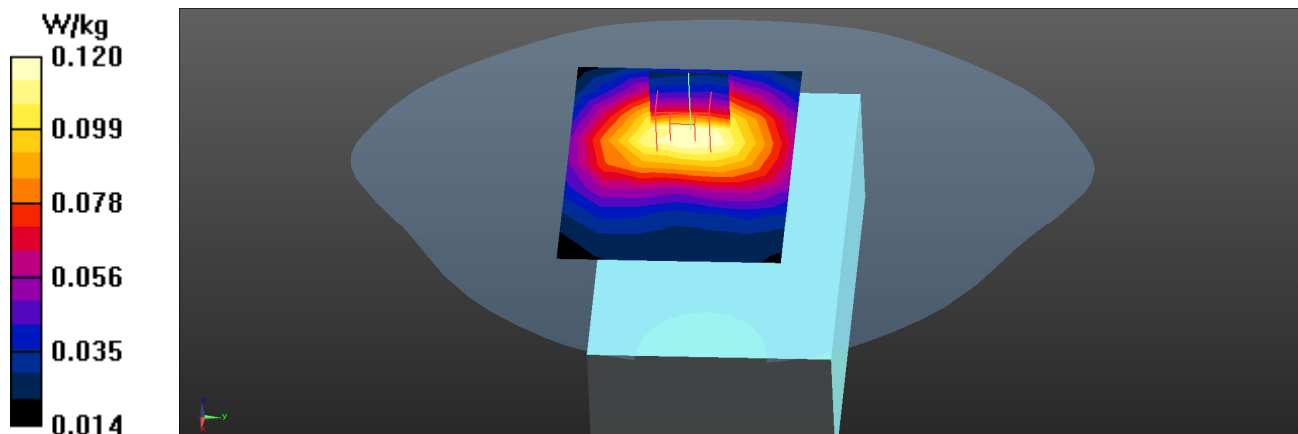
Peak SAR (extrapolated) = 0.140 W/kg

SAR(1 g) = 0.100 W/kg; SAR(10 g) = 0.074 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)

Ratio of SAR at M2 to SAR at M1 = 72.7%

Maximum value of SAR (measured) = 0.125 W/kg



Test Laboratory: DEKRA

Date: 2025/02/22

28_LTE Band 13_QPSK_10M_23230_1RB_0offset_Front_25mm_ANT Main**DUT: TrackIng V5; Type: TKV5**

Communication System: UID 0, LTE Band 13; Frequency: 782 MHz

Communication System PAR: 0 dB

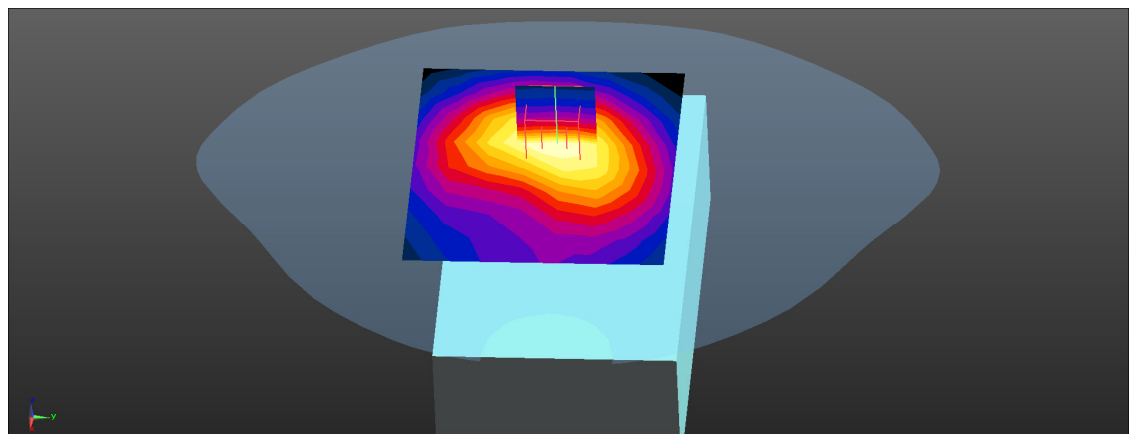
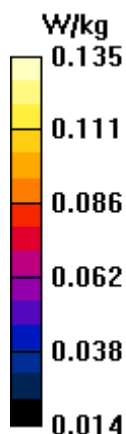
Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.91 \text{ S/m}$; $\epsilon_r = 40.82$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(8.47, 10.75, 8.97) @ 782 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2024/11/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASYS2, Version 52.10 (4);

Configuration/Flat/Area Scan (9x8x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ Maximum value of SAR (measured) = 0.135 W/kg **Configuration/Flat/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 10.82 V/m ; Power Drift = 0.07 dB Peak SAR (extrapolated) = 0.148 W/kg **SAR(1 g) = 0.108 W/kg ; SAR(10 g) = 0.081 W/kg** Smallest distance from peaks to all points 3 dB below: Larger than measurement grid ($> 16 \text{ mm}$)Ratio of SAR at M2 to SAR at M1 = 72.8% Maximum value of SAR (measured) = 0.134 W/kg 

Test Laboratory: DEKRA

Date: 2025/02/25

16_LTE Band 25_QPSK_20M_26140_1RB_0offset_Left-side_25mm_ANT Main**DUT: TrackIng V5; Type: TKV5**

Communication System: UID 0, LTE Band 25; Frequency: 1860 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 1860$ MHz; $\sigma = 1.41$ S/m; $\epsilon_r = 40.91$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(6.74, 8.55, 7.13) @ 1860 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2024/11/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.598 W/kg

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

Reference Value = 18.15 V/m; Power Drift = -0.11 dB

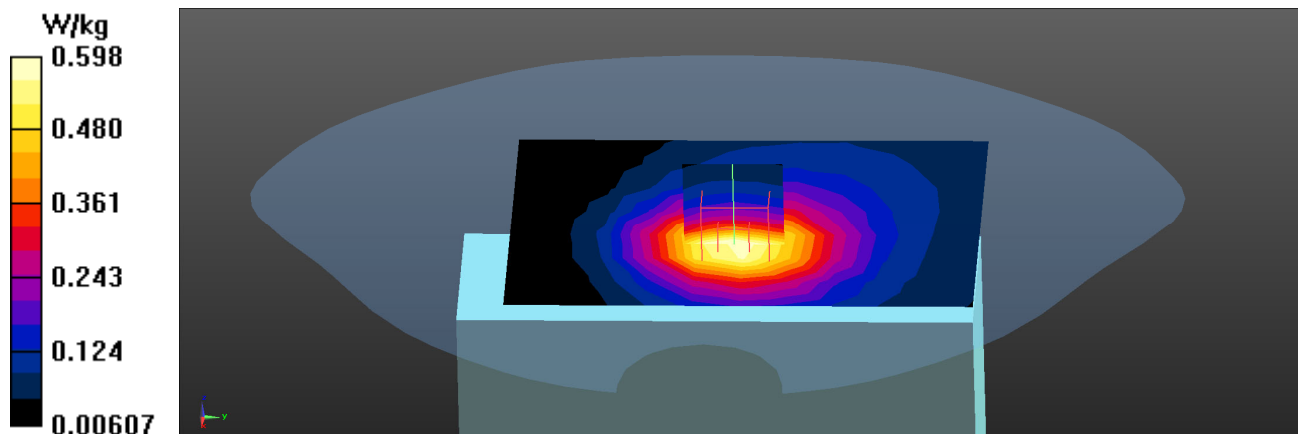
Peak SAR (extrapolated) = 0.734 W/kg

SAR(1 g) = 0.468 W/kg; SAR(10 g) = 0.300 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)

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

Maximum value of SAR (measured) = 0.648 W/kg



Test Laboratory: DEKRA

Date: 2025/02/23

13_LTE Band 26_QPSK_15M_26965_1RB_0offset_Left-side_25mm_ANT Main**DUT: TrackiNG V5; Type: TKV5**

Communication System: UID 0, LTE Band 26; Frequency: 841.5 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 841.5$ MHz; $\sigma = 0.94$ S/m; $\epsilon_r = 41.04$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(8.22, 10.43, 8.7) @ 841.5 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2024/11/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

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

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

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

Reference Value = 13.80 V/m; Power Drift = 0.14 dB

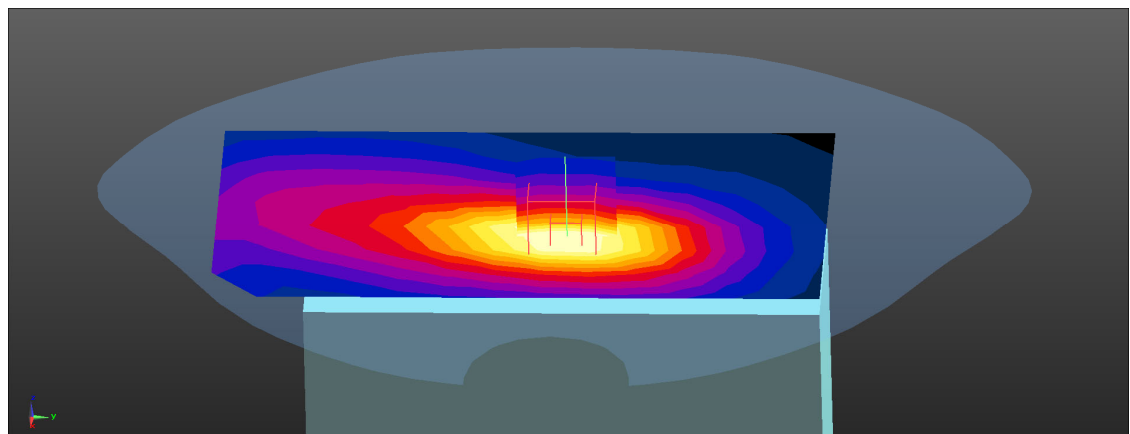
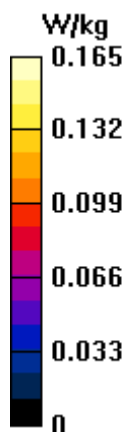
Peak SAR (extrapolated) = 0.196 W/kg

SAR(1 g) = 0.137 W/kg; SAR(10 g) = 0.098 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)

Ratio of SAR at M2 to SAR at M1 = 70.4%

Maximum value of SAR (measured) = 0.175 W/kg



SAR Measurement Variability

Test Laboratory: DEKRA

Date: 2025/02/24

51_WCDMA Band 4_RMC_CH1413_Left-side_25mm - Verify

DUT: TrackKing V5; Type: TKV5

Communication System: UID 0, WCDMA Band 4; Frequency: 1732.6 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 1732.6$ MHz; $\sigma = 1.34$ S/m; $\epsilon_r = 40.46$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(6.92, 8.78, 7.33) @ 1732.6 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2024/11/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.08 W/kg

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

Reference Value = 24.75 V/m; Power Drift = -0.05 dB

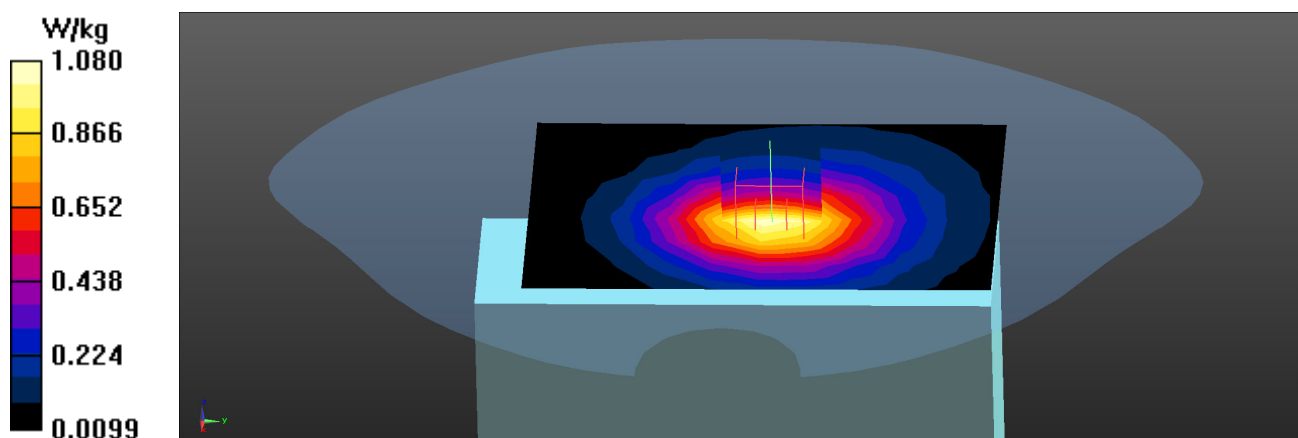
Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.820 W/kg; SAR(10 g) = 0.536 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)

Ratio of SAR at M2 to SAR at M1 = 66.1%

Maximum value of SAR (measured) = 1.09 W/kg



Test Laboratory: DEKRA

Date: 2025/02/24

6_LTE Band 4_QPSK_20M_CH20300_1RB_0offset_ANT Main_Left-side_25mm_ANT Main_Verify**DUT: TrackIng V5; Type: TKV5**

Communication System: UID 0, LTE Band 4; Frequency: 1745 MHz

Communication System PAR: 0 dB

Medium parameters used: $f = 1745$ MHz; $\sigma = 1.35$ S/m; $\epsilon_r = 40.49$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3979; ConvF(6.92, 8.78, 7.33) @ 1745 MHz; Calibrated: 2024/11/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1425; Calibrated: 2024/11/18
- Phantom: SAM with left table; Type: SAM;
- Measurement SW: DASY52, Version 52.10 (4);

Configuration/Flat/Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.04 W/kg

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

Reference Value = 23.71 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.846 W/kg; SAR(10 g) = 0.549 W/kg

Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 16 mm)

Ratio of SAR at M2 to SAR at M1 = 66.1%

Maximum value of SAR (measured) = 1.13 W/kg

