

3T1_WLAN2.4G_802.11b 1Mbps_Body Back_0mm_Ch11_add T1 accessories

DUT: Tractive CAT mini

Communication System: UID 0, WIFI (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: HSL 2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.804$ S/m; $\epsilon_r = 39.721$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.49, 7.49, 7.49) @ 2462 MHz; Calibrated: 12/12/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/15/2022
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch11/Area Scan (41x61x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.570 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 16.23 V/m; Power Drift = -0.07 dB

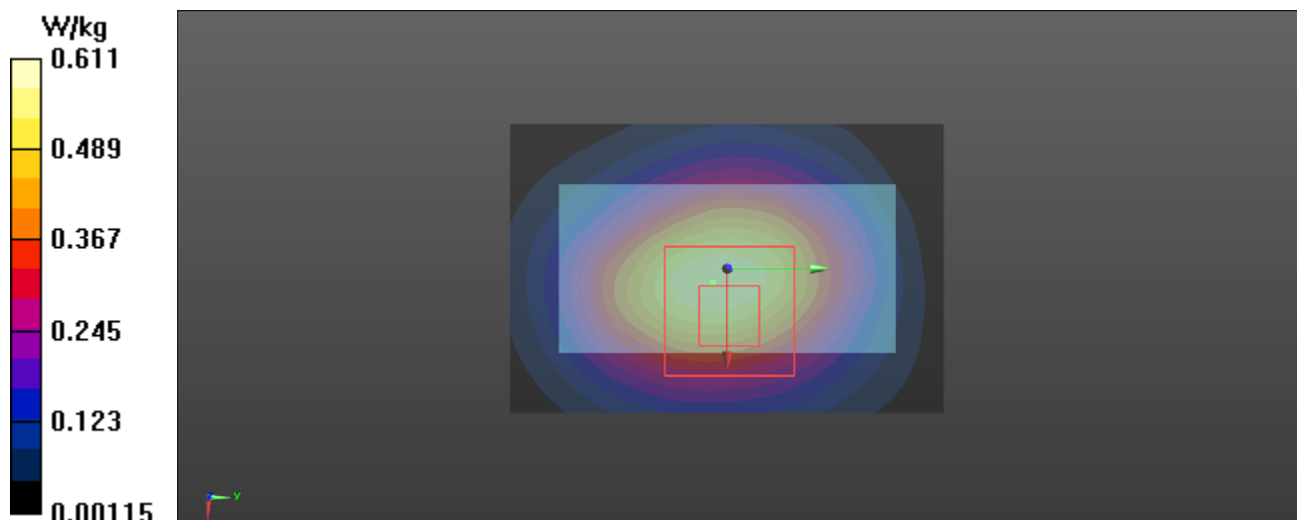
Peak SAR (extrapolated) = 0.717 W/kg

SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.242 W/kg

Smallest distance from peaks to all points 3 dB below = 13.9 mm

Ratio of SAR at M2 to SAR at M1 = 60.9%

Maximum value of SAR (measured) = 0.611 W/kg



3T2_WLAN2.4G_802.11b 1Mbps_Body Back_0mm_Ch11_add T2 accessories

DUT: Tractive CAT mini

Communication System: UID 0, WIFI (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: HSL 2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.804$ S/m; $\epsilon_r = 39.721$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.49, 7.49, 7.49) @ 2462 MHz; Calibrated: 12/12/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/15/2022
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch11/Area Scan (41x61x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.403 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.58 V/m; Power Drift = 0.06 dB

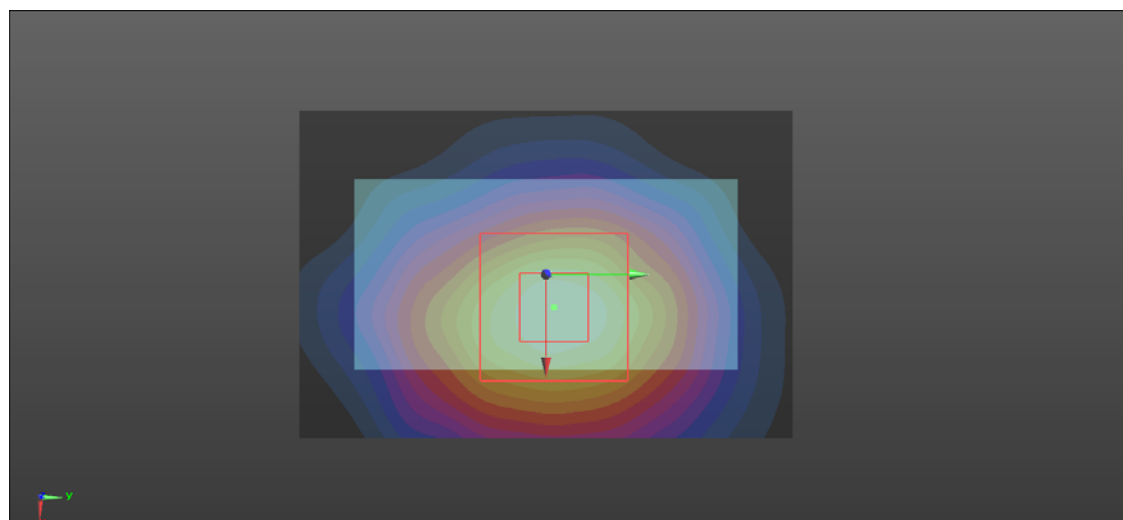
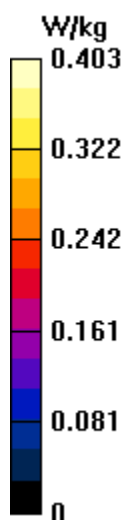
Peak SAR (extrapolated) = 0.470 W/kg

SAR(1 g) = 0.283 W/kg; SAR(10 g) = 0.161 W/kg

Smallest distance from peaks to all points 3 dB below = 15 mm

Ratio of SAR at M2 to SAR at M1 = 59.6%

Maximum value of SAR (measured) = 0.403 W/kg



3T3_WLAN2.4G_802.11b 1Mbps_Body Back_0mm_Ch11_add T3 accessories

DUT: Tractive CAT mini

Communication System: UID 0, WIFI (0); Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: HSL 2450 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.804$ S/m; $\epsilon_r = 39.721$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(7.49, 7.49, 7.49) @ 2462 MHz; Calibrated: 12/12/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/15/2022
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch11/Area Scan (41x61x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm
Maximum value of SAR (interpolated) = 0.523 W/kg

Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 14.36 V/m; Power Drift = 0.10 dB

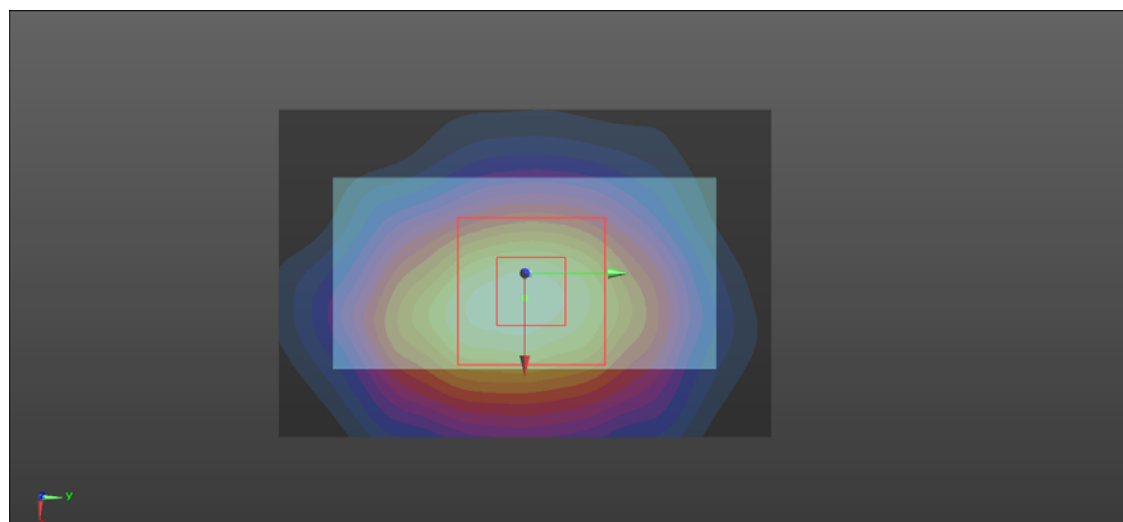
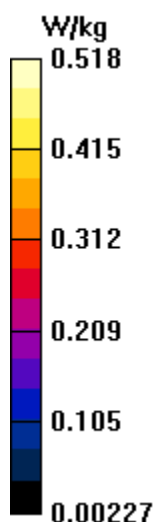
Peak SAR (extrapolated) = 0.614 W/kg

SAR(1 g) = 0.365 W/kg; SAR(10 g) = 0.205 W/kg

Smallest distance from peaks to all points 3 dB below = 13.6 mm

Ratio of SAR at M2 to SAR at M1 = 60%

Maximum value of SAR (measured) = 0.518 W/kg



11_GPRS850_3Tx_Body Back_0mm_Ch128_add T1 accessories

DUT: Tractive CAT mini

Communication System: UID 0, GPRS 3TX (0); Frequency: 824.2 MHz; Duty Cycle: 1:2.66

Medium: HSL 835 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.932$ S/m; $\epsilon_r = 42.026$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(9.48, 9.48, 9.48) @ 824.2 MHz; Calibrated: 12/12/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/15/2022
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch128/Area Scan (41x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.978 W/kg

Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 31.15 V/m; Power Drift = -0.09 dB

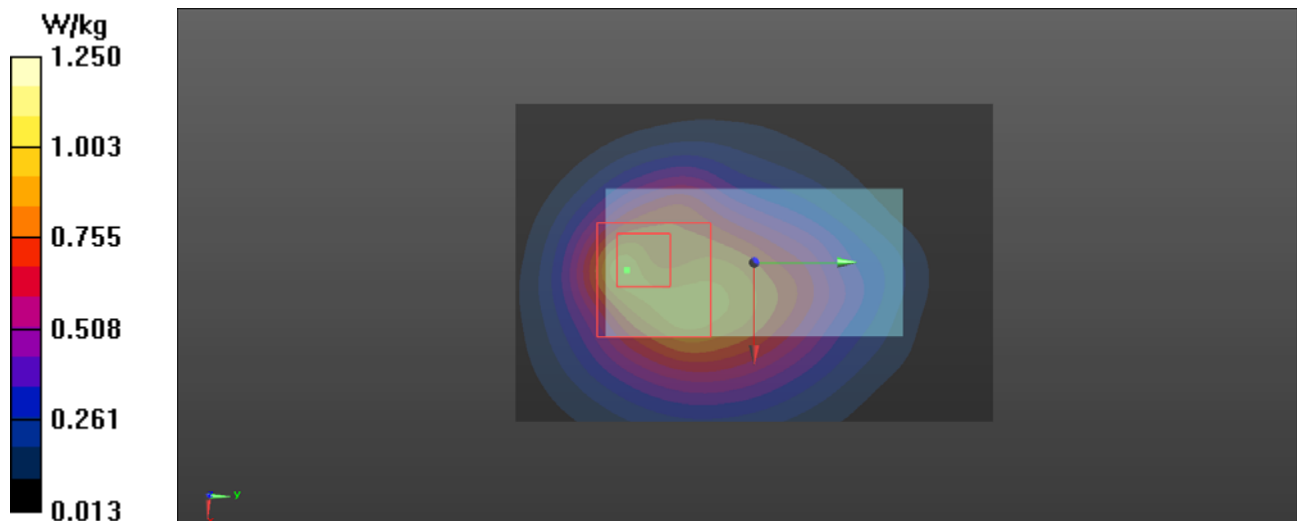
Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 0.683 W/kg; SAR(10 g) = 0.404 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 36.4%

Maximum value of SAR (measured) = 1.25 W/kg



21_GPRS1900_2Tx_Body Back_0mm_Ch512_add T1 accessories

DUT: Tractive CAT mini

Communication System: UID 0, GPRS 2TX (0); Frequency: 1850.2 MHz; Duty Cycle: 1:4
Medium: HSL 1900 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.359$ S/m; $\epsilon_r = 38.866$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(8.26, 8.26, 8.26) @ 1850.2 MHz; Calibrated: 12/12/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/15/2022
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch512/Area Scan (41x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 1.72 W/kg

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 30.01 V/m; Power Drift = -0.13 dB

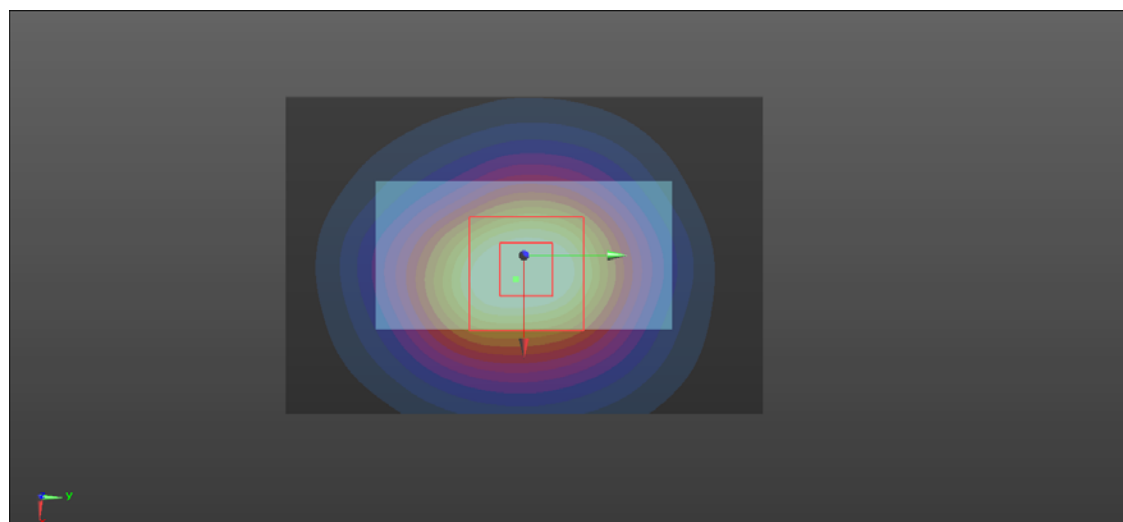
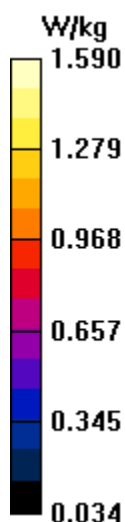
Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.673 W/kg

Smallest distance from peaks to all points 3 dB below = 16 mm

Ratio of SAR at M2 to SAR at M1 = 61.2%

Maximum value of SAR (measured) = 1.59 W/kg



22_GPRS1900_2Tx_Body Back_0mm_Ch661_add T1 accessories

DUT: Tractive CAT mini

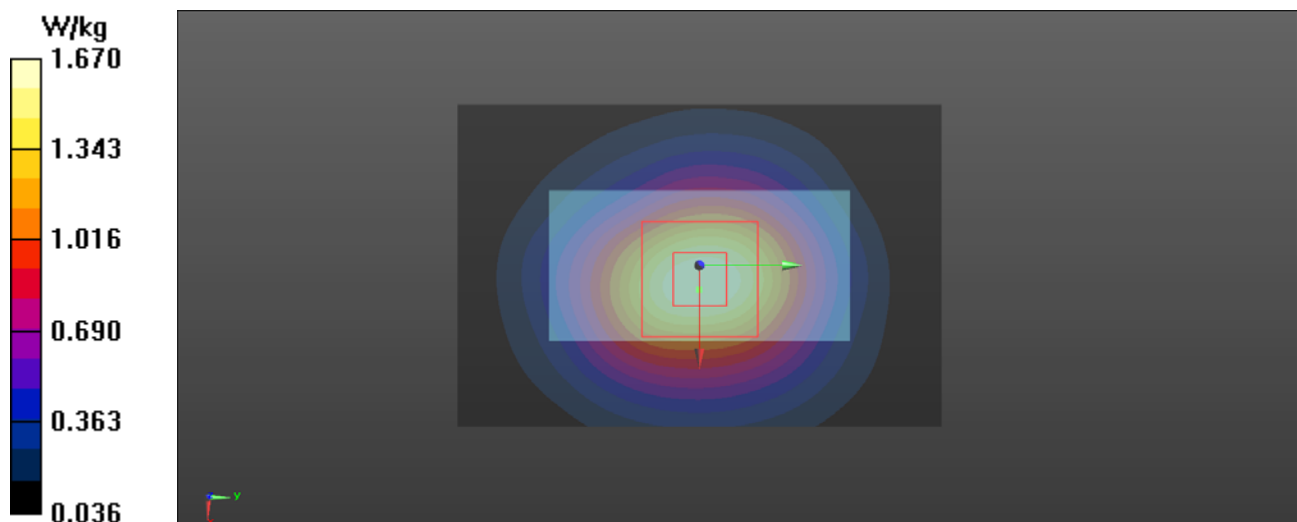
Communication System: UID 0, GPRS 2TX (0); Frequency: 1880 MHz; Duty Cycle: 1:4
Medium: HSL 1900 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.375$ S/m; $\epsilon_r = 38.805$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(8.26, 8.26, 8.26) @ 1880 MHz; Calibrated: 12/12/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/15/2022
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch661/Area Scan (41x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 1.68 W/kg

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 29.72 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.97 W/kg
SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.682 W/kg
Smallest distance from peaks to all points 3 dB below = 15.8 mm
Ratio of SAR at M2 to SAR at M1 = 59.6%
Maximum value of SAR (measured) = 1.67 W/kg



23T1-1_GPRS1900_2Tx_Body Back_0mm_Ch810_add T1 accessories

DUT: Tractive CAT mini

Communication System: UID 0, GPRS 2TX (0); Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: HSL 1900 Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.396$ S/m; $\epsilon_r = 38.751$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(8.26, 8.26, 8.26) @ 1909.8 MHz; Calibrated: 12/12/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/15/2022
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch810/Area Scan (41x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 1.99 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 27.15 V/m; Power Drift = -0.09 dB

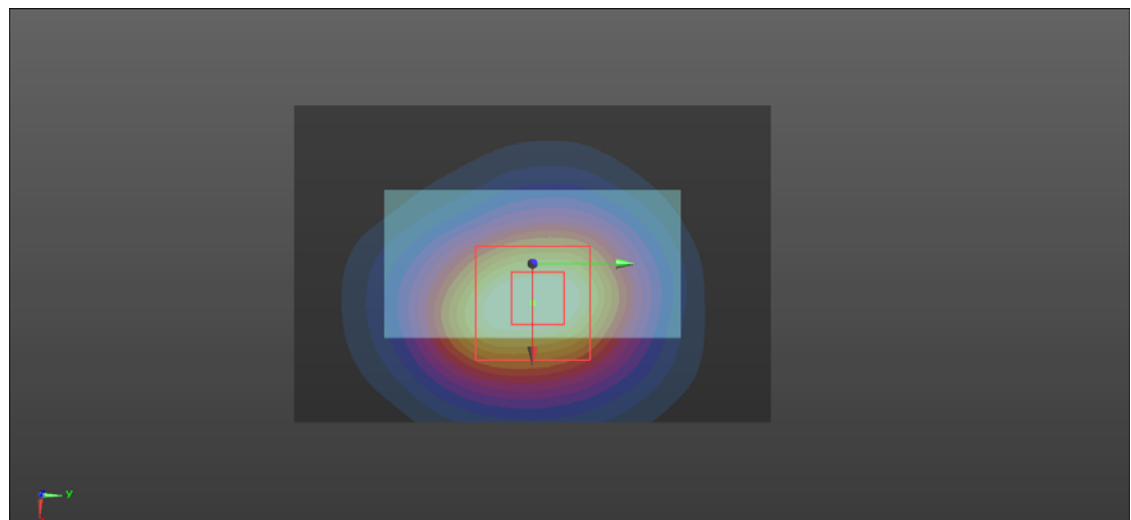
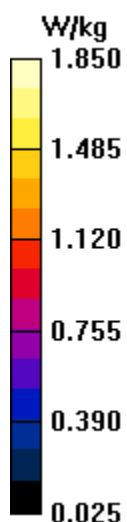
Peak SAR (extrapolated) = 2.20 W/kg

SAR(1 g) = 1.28 W/kg; SAR(10 g) = 0.730 W/kg

Smallest distance from peaks to all points 3 dB below = 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 59.7%

Maximum value of SAR (measured) = 1.85 W/kg



23T1-2_GPRS1900_2Tx_Body Back_0mm_Ch810_add T1 accessories

DUT: Tractive CAT mini

Communication System: UID 0, GPRS 2TX (0); Frequency: 1909.8 MHz; Duty Cycle: 1:4
Medium: HSL 1900 Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.396$ S/m; $\epsilon_r = 38.751$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(8.26, 8.26, 8.26) @ 1909.8 MHz; Calibrated: 12/12/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/15/2022
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch810/Area Scan (41x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 2.02 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 32.15 V/m; Power Drift = -0.11 dB

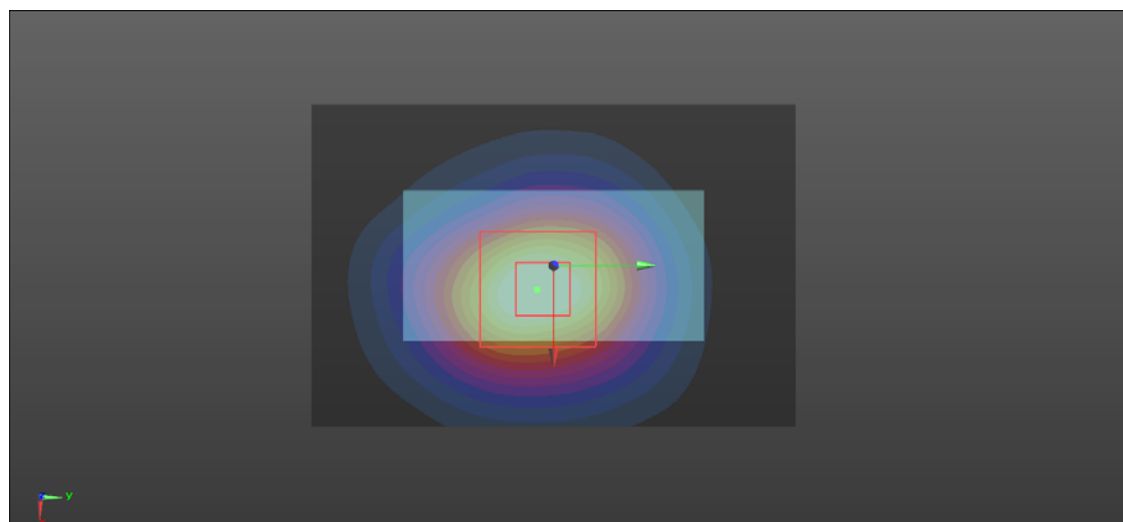
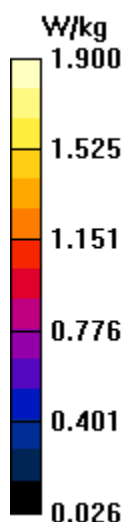
Peak SAR (extrapolated) = 2.27 W/kg

SAR(1 g) = 1.32 W/kg; SAR(10 g) = 0.743 W/kg

Smallest distance from peaks to all points 3 dB below = 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 59.9%

Maximum value of SAR (measured) = 1.90 W/kg



23T1-3_GPRS1900_2Tx_Body Back_0mm_Ch810_add T1 accessories

DUT: Tractive CAT mini

Communication System: UID 0, GPRS 2TX (0); Frequency: 1909.8 MHz; Duty Cycle: 1:4
Medium: HSL 1900 Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.396$ S/m; $\epsilon_r = 38.751$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(8.26, 8.26, 8.26) @ 1909.8 MHz; Calibrated: 12/12/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/15/2022
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch810/Area Scan (41x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 2.00 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 30.39 V/m; Power Drift = 0.02 dB

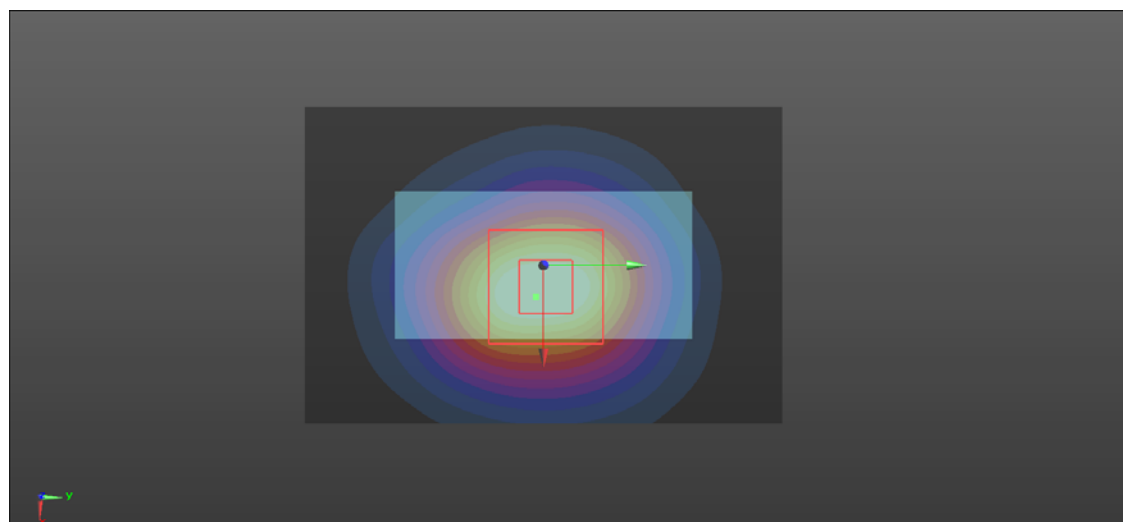
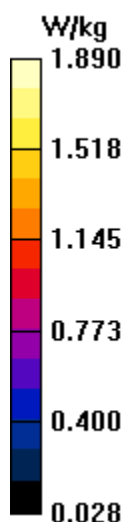
Peak SAR (extrapolated) = 2.24 W/kg

SAR(1 g) = 1.34 W/kg; SAR(10 g) = 0.770 W/kg

Smallest distance from peaks to all points 3 dB below = 14.3 mm

Ratio of SAR at M2 to SAR at M1 = 61.5%

Maximum value of SAR (measured) = 1.89 W/kg



23T2_GPRS1900_2Tx_Body Back_0mm_Ch810_add T2 accessories

DUT: Tractive CAT mini

Communication System: UID 0, GPRS 2TX (0); Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: HSL 1900 Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.396$ S/m; $\epsilon_r = 38.751$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(8.26, 8.26, 8.26) @ 1909.8 MHz; Calibrated: 12/12/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/15/2022
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch810/Area Scan (41x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 1.74 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 27.90 V/m; Power Drift = -0.04 dB

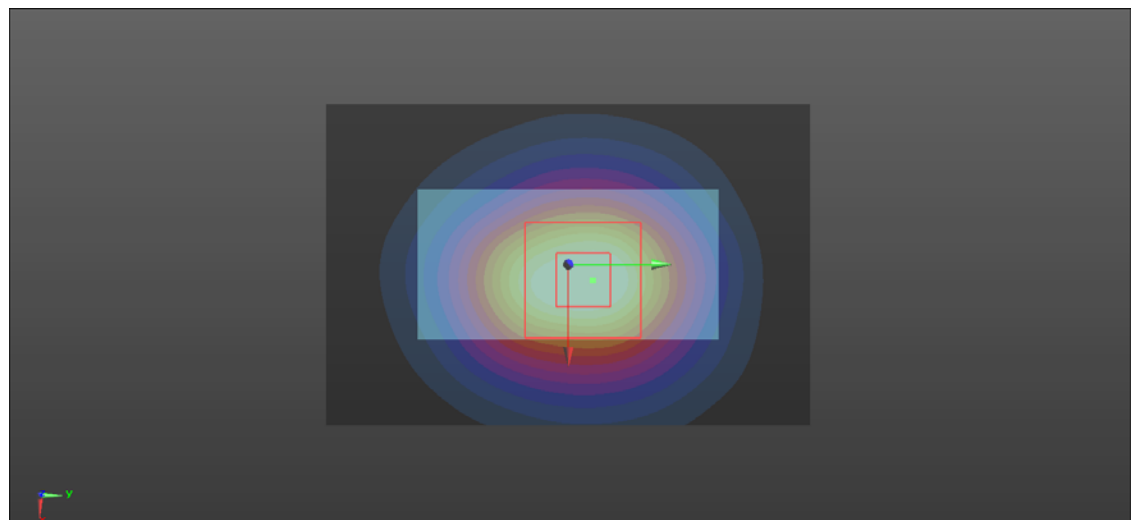
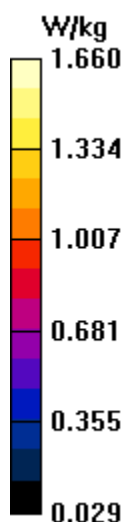
Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.681 W/kg

Smallest distance from peaks to all points 3 dB below = 14.5 mm

Ratio of SAR at M2 to SAR at M1 = 59.6%

Maximum value of SAR (measured) = 1.66 W/kg



23T3_GPRS1900_2Tx_Body Back_0mm_Ch810_add T3 accessories

DUT: Tractive CAT mini

Communication System: UID 0, GPRS 2TX (0); Frequency: 1909.8 MHz; Duty Cycle: 1:4
Medium: HSL 1900 Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.396$ S/m; $\epsilon_r = 38.751$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(8.26, 8.26, 8.26) @ 1909.8 MHz; Calibrated: 12/12/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/15/2022
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch810/Area Scan (41x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 1.94 W/kg

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 28.90 V/m; Power Drift = 0.05 dB

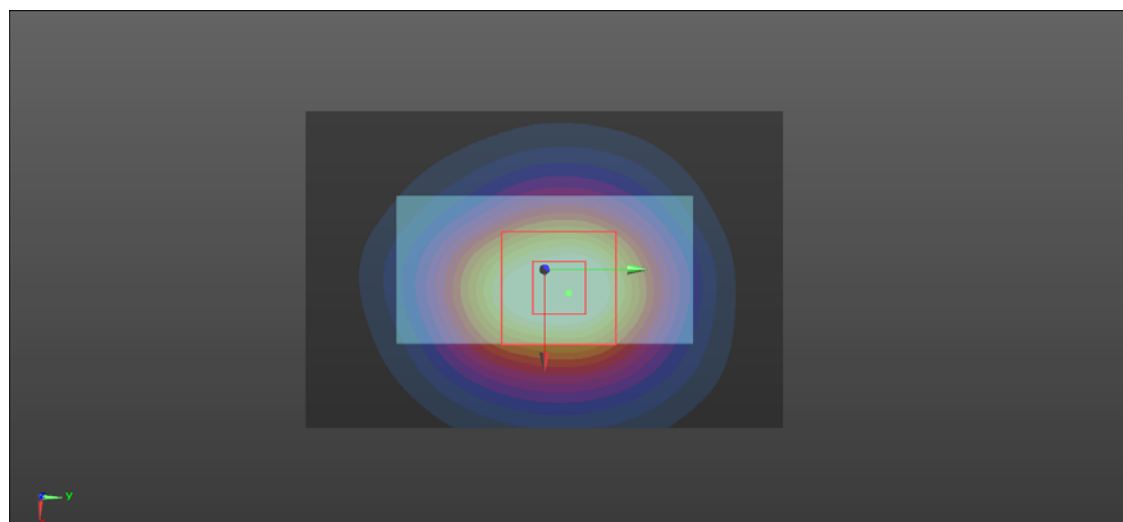
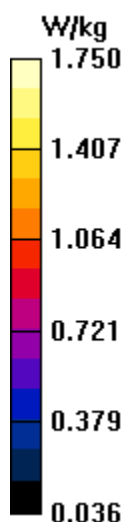
Peak SAR (extrapolated) = 2.08 W/kg

SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.731 W/kg

Smallest distance from peaks to all points 3 dB below = 15.2 mm

Ratio of SAR at M2 to SAR at M1 = 61.5%

Maximum value of SAR (measured) = 1.75 W/kg



31_CAT M1 Band2_10M_QPSK_1RB_0 Offset_Body Back_0mm_Ch18650_add T1 accessories

DUT: Tractive CAT mini

Communication System: UID 0, CAT M1 LTE (0); Frequency: 1855 MHz; Duty Cycle: 1:1
Medium: HSL 1900 Medium parameters used: $f = 1855 \text{ MHz}$; $\sigma = 1.361 \text{ S/m}$; $\epsilon_r = 38.853$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(8.26, 8.26, 8.26) @ 1855 MHz; Calibrated: 12/12/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/15/2022
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch18650/Area Scan (41x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.698 W/kg

Ch18650/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 20.84 V/m ; Power Drift = -0.05 dB

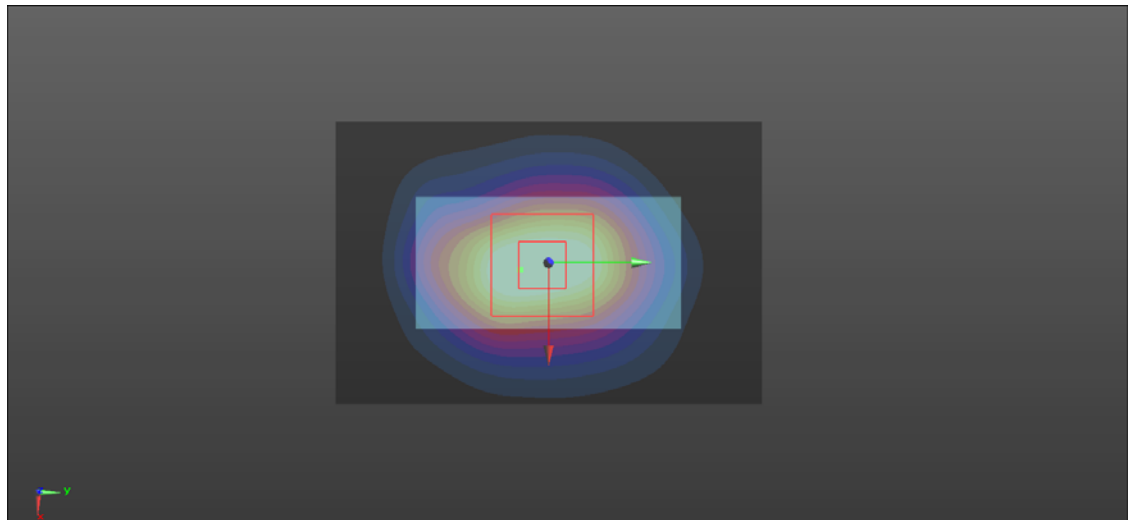
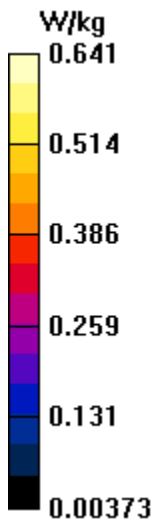
Peak SAR (extrapolated) = 0.758 W/kg

SAR(1 g) = 0.463 W/kg ; SAR(10 g) = 0.266 W/kg

Smallest distance from peaks to all points 3 dB below = 13.7 mm

Ratio of SAR at M2 to SAR at M1 = 63.1%

Maximum value of SAR (measured) = 0.641 W/kg



31-1_CAT M1 Band2_10M_QPSK_50RB_0Offset_Body Back_0mm_Ch18650_add T1 accessories

DUT: Tractive CAT mini

Communication System: UID 0, CAT M1 LTE (0); Frequency: 1855 MHz; Duty Cycle: 1:1
Medium: HSL 1900 Medium parameters used: $f = 1855 \text{ MHz}$; $\sigma = 1.361 \text{ S/m}$; $\epsilon_r = 38.853$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(8.26, 8.26, 8.26) @ 1855 MHz; Calibrated: 12/12/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/15/2022
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch18650/Area Scan (41x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
Maximum value of SAR (interpolated) = 0.662 W/kg

Ch18650/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 19.99 V/m ; Power Drift = -0.20 dB

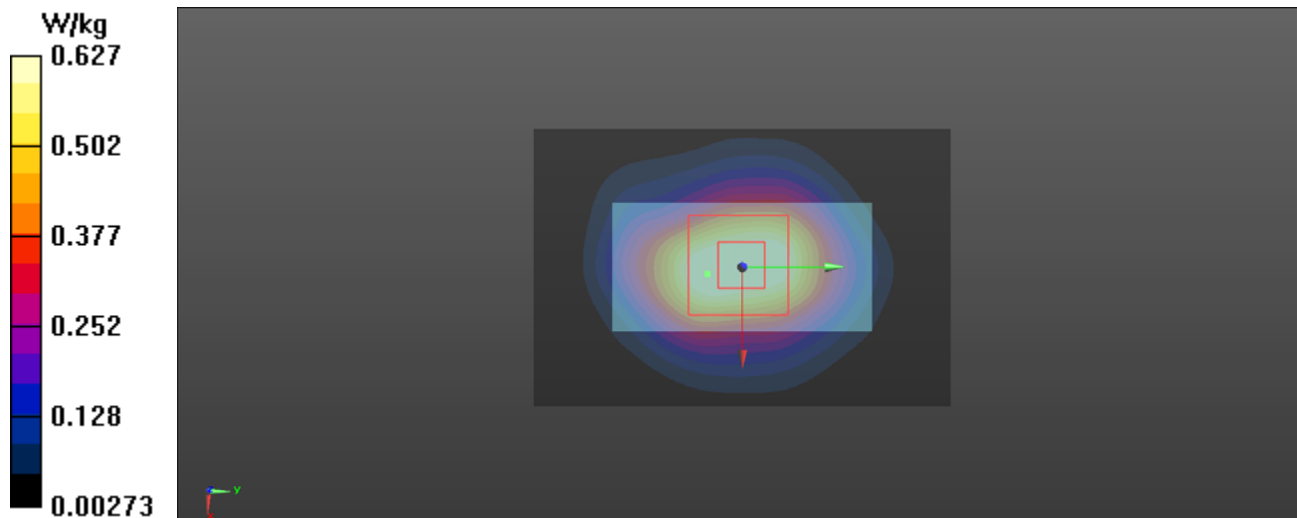
Peak SAR (extrapolated) = 0.739 W/kg

SAR(1 g) = 0.445 W/kg ; SAR(10 g) = 0.251 W/kg

Smallest distance from peaks to all points 3 dB below = 12.8 mm

Ratio of SAR at M2 to SAR at M1 = 61.4%

Maximum value of SAR (measured) = 0.627 W/kg



41_CAT M1 Band4_10M_QPSK_1RB_0 Offset_Body Back_0mm_Ch20000_add T1 accessories

DUT: Tractive CAT mini

Communication System: UID 0, CAT M1 LTE (0); Frequency: 1715 MHz; Duty Cycle: 1:1
Medium: HSL 1800 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.293$ S/m; $\epsilon_r = 39.03$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(8.51, 8.51, 8.51) @ 1715 MHz; Calibrated: 12/12/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/15/2022
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch20000/Area Scan (41x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 0.188 W/kg

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 11.79 V/m; Power Drift = 0.07 dB

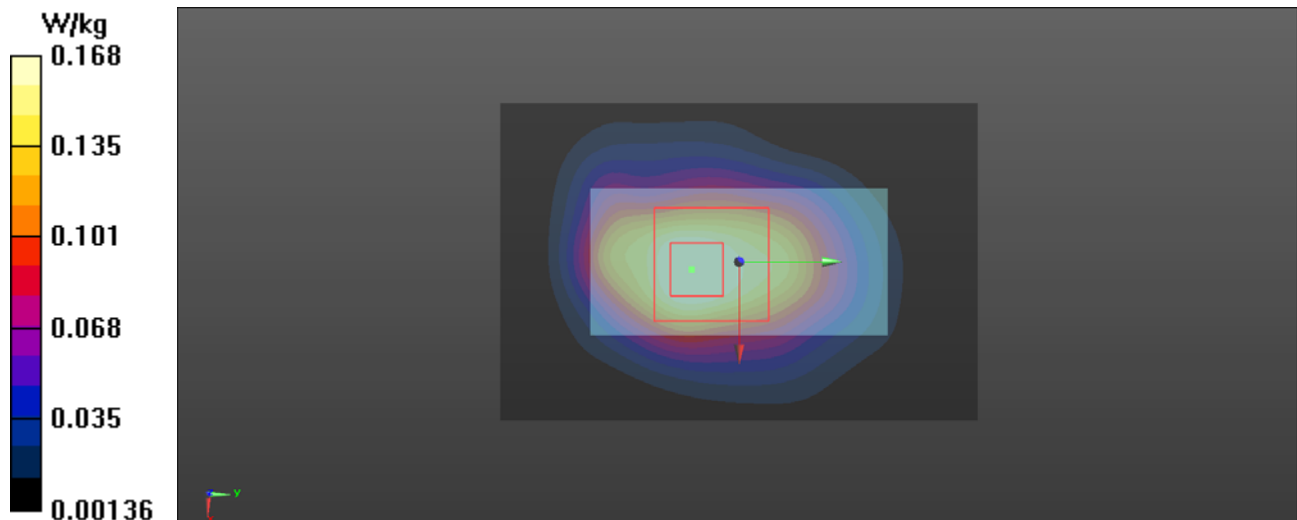
Peak SAR (extrapolated) = 0.212 W/kg

SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.066 W/kg

Smallest distance from peaks to all points 3 dB below = 11.3 mm

Ratio of SAR at M2 to SAR at M1 = 56.7%

Maximum value of SAR (measured) = 0.168 W/kg



41-1_CAT M1 Band4_10M_QPSK_50RB_0Offset_Body Back_0mm_Ch20000_add T1 accessories

DUT: Tractive CAT mini

Communication System: UID 0, CAT M1 LTE (0); Frequency: 1715 MHz; Duty Cycle: 1:1
Medium: HSL 1800 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.293$ S/m; $\epsilon_r = 39.03$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(8.51, 8.51, 8.51) @ 1715 MHz; Calibrated: 12/12/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/15/2022
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch20000/Area Scan (41x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 0.146 W/kg

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 9.562 V/m; Power Drift = 0.03 dB

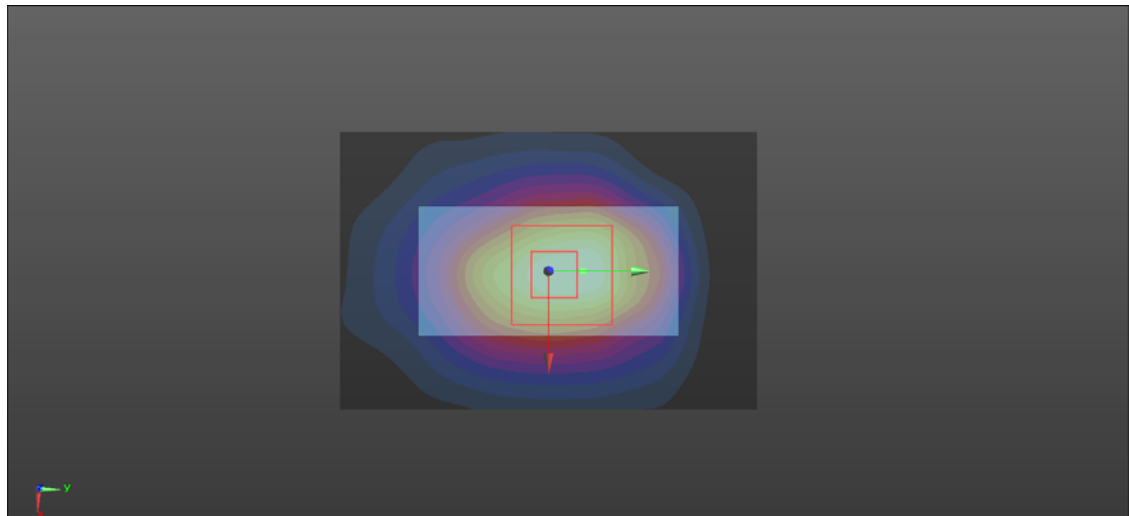
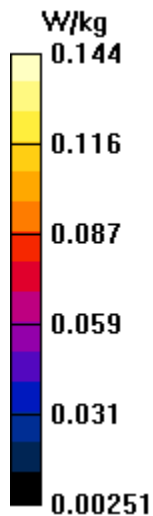
Peak SAR (extrapolated) = 0.173 W/kg

SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.058 W/kg

Smallest distance from peaks to all points 3 dB below = 15.8 mm

Ratio of SAR at M2 to SAR at M1 = 59.6%

Maximum value of SAR (measured) = 0.144 W/kg



51_CAT M1 Band5_10M_QPSK_1RB_0 Offset_Body Back_0mm_Ch20450_add T1 accessories

DUT: Tractive CAT mini

Communication System: UID 0, CAT M1 LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium: HSL 835 Medium parameters used: $f = 829$ MHz; $\sigma = 0.933$ S/m; $\epsilon_r = 41.99$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(9.48, 9.48, 9.48) @ 829 MHz; Calibrated: 12/12/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/15/2022
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch20450/Area Scan (41x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.161 W/kg

Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 12.49 V/m; Power Drift = 0.09 dB

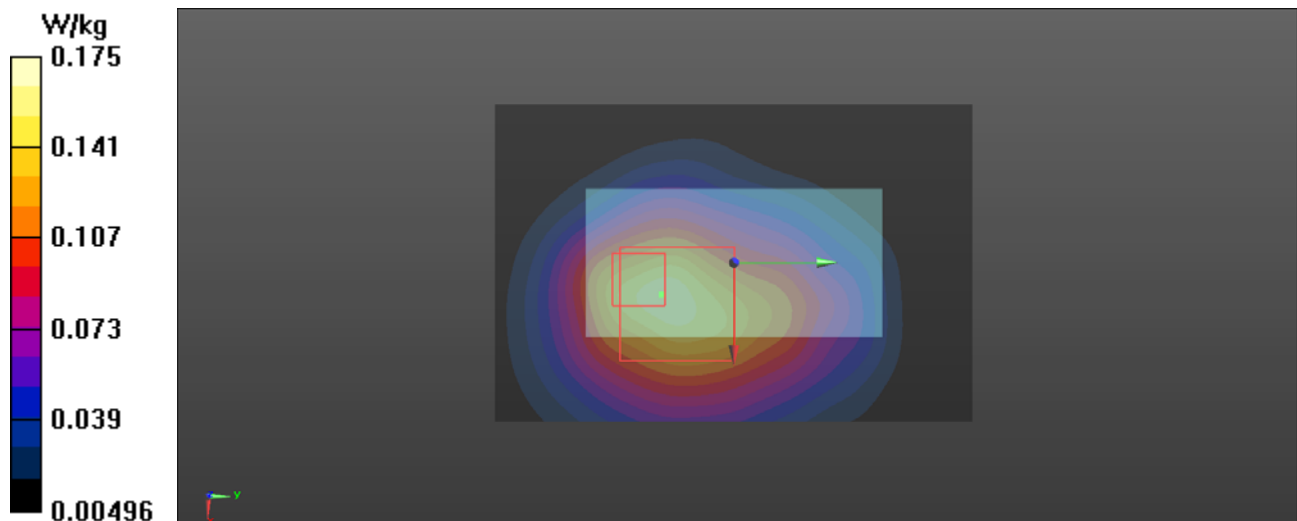
Peak SAR (extrapolated) = 0.258 W/kg

SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.068 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 39.7%

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



51-1_CAT M1 Band5_10M_QPSK_50RB_0Offset_Body Back_0mm_Ch20525_add T1 accessories

DUT: Tractive CAT mini

Communication System: UID 0, CAT M1 LTE (0); Frequency: 829 MHz; Duty Cycle: 1:1

Medium: HSL 835 Medium parameters used: $f = 829 \text{ MHz}$; $\sigma = 0.933 \text{ S/m}$; $\epsilon_r = 41.99$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(9.48, 9.48, 9.48) @ 829 MHz; Calibrated: 12/12/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/15/2022
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch20450/Area Scan (41x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.145 W/kg

Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 10.44 V/m ; Power Drift = 0.02 dB

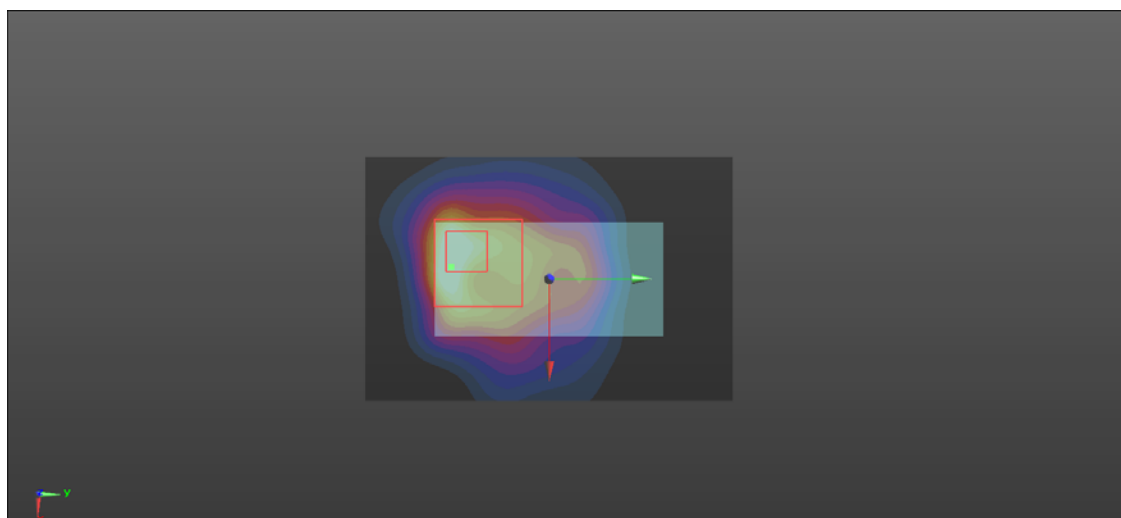
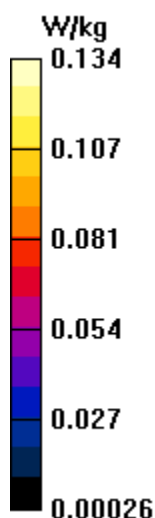
Peak SAR (extrapolated) = 0.192 W/kg

SAR(1 g) = 0.074 W/kg ; SAR(10 g) = 0.042 W/kg

Smallest distance from peaks to all points 3 dB below = 8 mm

Ratio of SAR at M2 to SAR at M1 = 35.3%

Maximum value of SAR (measured) = 0.134 W/kg



62_CAT M1 Band12_10M_QPSK_1RB_0 Offset_Body Back_0mm_Ch23095_add T1 accessories

DUT: Tractive CAT mini

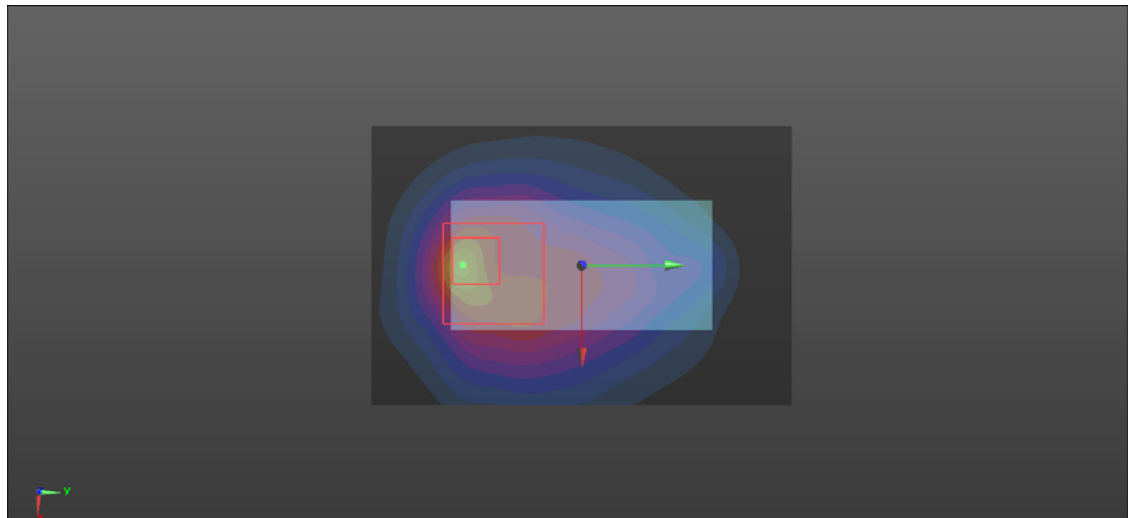
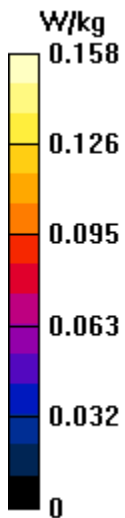
Communication System: UID 0, CAT M1 LTE (0); Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium: HSL 835 Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.895$ S/m; $\epsilon_r = 42.433$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(9.72, 9.72, 9.72) @ 707.5 MHz; Calibrated: 12/12/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/15/2022
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch23095/Area Scan (41x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 0.120 W/kg

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 10.03 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.219 W/kg
SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.042 W/kg
Smallest distance from peaks to all points 3 dB below = 8 mm
Ratio of SAR at M2 to SAR at M1 = 33.4%
Maximum value of SAR (measured) = 0.158 W/kg



62-1_CAT M1 Band12_10M_QPSK_50RB_0Offset_Body Back_0mm_Ch23095_add T1 accessories

DUT: Tractive CAT mini

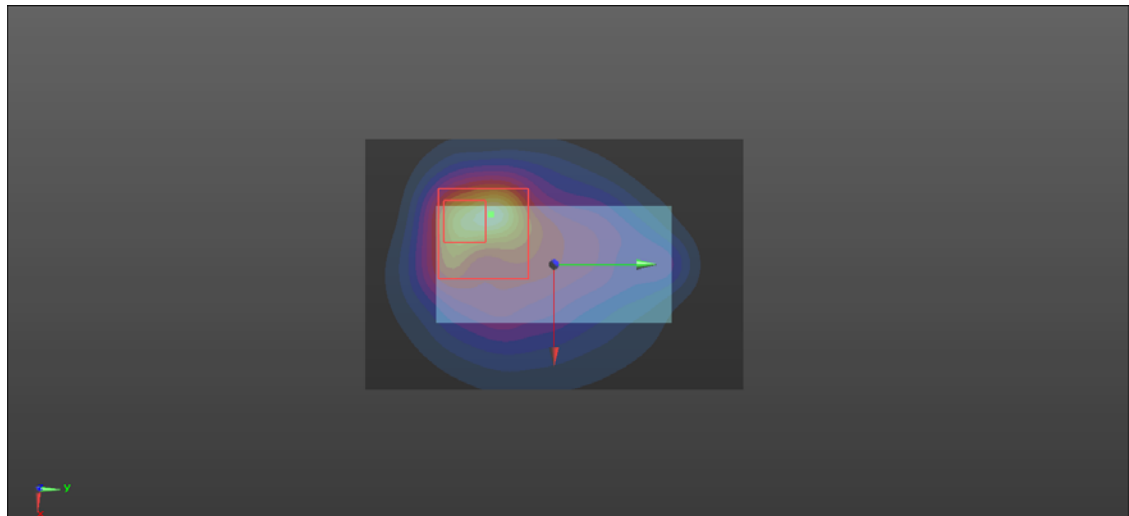
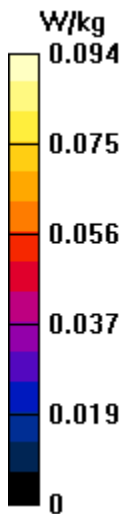
Communication System: UID 0, CAT M1 LTE (0); Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium: HSL 750 Medium parameters used: $f = 707.5$ MHz; $\sigma = 0.895$ S/m; $\epsilon_r = 42.433$; $\rho = 1000$ kg/m³

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(9.72, 9.72, 9.72) @ 707.5 MHz; Calibrated: 12/12/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/15/2022
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch23095/Area Scan (41x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm
Maximum value of SAR (interpolated) = 0.0936 W/kg

Ch23095/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm
Reference Value = 7.500 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.282 W/kg
SAR(1 g) = 0.059 W/kg; SAR(10 g) = 0.025 W/kg
Smallest distance from peaks to all points 3 dB below = 4.5 mm
Ratio of SAR at M2 to SAR at M1 = 18.3%
Maximum value of SAR (measured) = 0.174 W/kg



72_CAT M1 Band13_10M_QPSK_1RB_0 Offset_Body Back_0mm_Ch23230_add T1 accessories

DUT: Tractive CAT mini

Communication System: UID 0, CAT M1 LTE (0); Frequency: 782 MHz; Duty Cycle: 1:1

Medium: HSL 835 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.924 \text{ S/m}$; $\epsilon_r = 42.145$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(9.72, 9.72, 9.72) @ 782 MHz; Calibrated: 12/12/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/15/2022
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch23230/Area Scan (41x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0589 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 7.320 V/m ; Power Drift = -0.14 dB

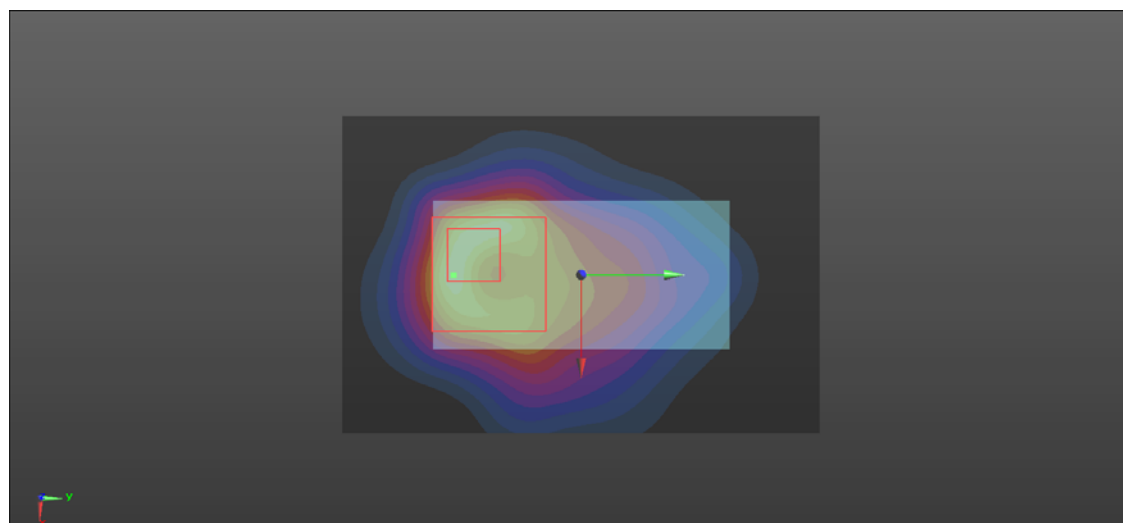
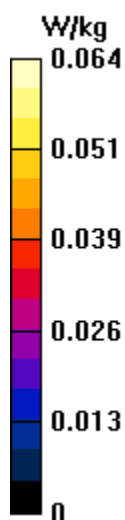
Peak SAR (extrapolated) = 0.0920 W/kg

SAR(1 g) = 0.035 W/kg ; SAR(10 g) = 0.020 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 = 34.8%

Maximum value of SAR (measured) = 0.0642 W/kg



72-1_CAT M1 Band13_10M_QPSK_50RB_0Offset_Body Back_0mm_Ch23230_add T1 accessories

DUT: Tractive CAT mini

Communication System: UID 0, CAT M1 LTE (0); Frequency: 782 MHz; Duty Cycle: 1:1

Medium: HSL 835 Medium parameters used: $f = 782 \text{ MHz}$; $\sigma = 0.924 \text{ S/m}$; $\epsilon_r = 42.145$; $\rho = 1000 \text{ kg/m}^3$

DASY5 Configuration:

- Probe: EX3DV4 - SN7520; ConvF(9.72, 9.72, 9.72) @ 782 MHz; Calibrated: 12/12/2022
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1561; Calibrated: 12/15/2022
- Phantom: ELI-Righr-ELI V8.0 (20deg probe tilt); Type: QD OVA 004 Ax; Serial: 2088
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

Ch23230/Area Scan (41x61x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0456 W/kg

Ch23230/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.901 V/m ; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.0570 W/kg

SAR(1 g) = 0.023 W/kg ; SAR(10 g) = 0.012 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 = 35.1%

Maximum value of SAR (measured) = 0.0427 W/kg

