Test Laboratory: BTL.Inc Date: 2021/9/24

U29_UMTS B2_RMC12.2K_CH9400_Front Face_1.0cm

DUT: GPS Tracker;

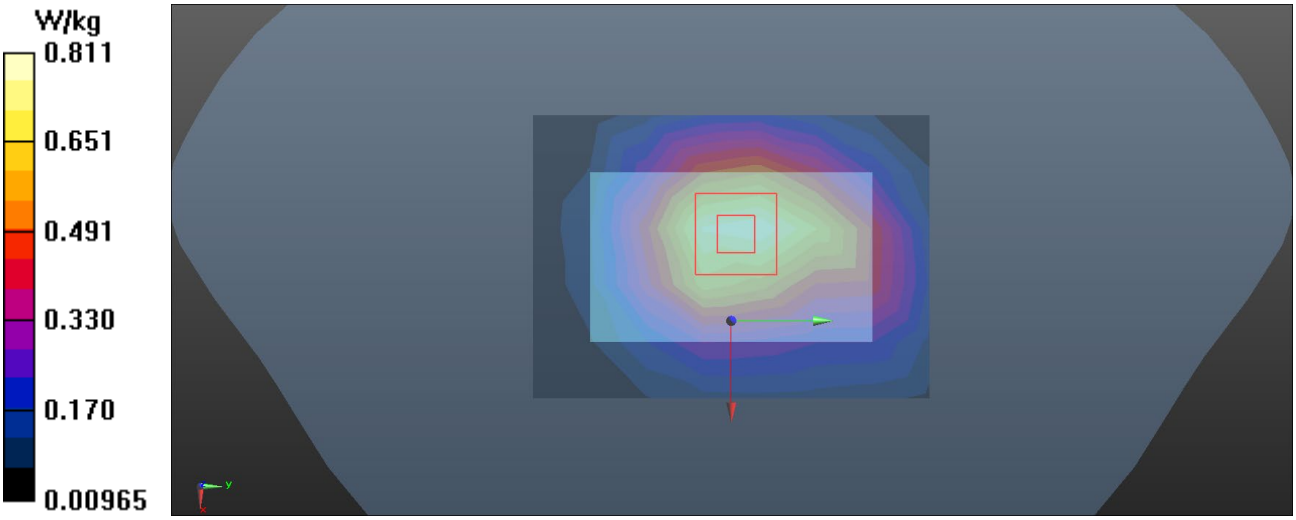
Communication System: UID 0, WCDMA (0);
Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used (extrapolated): f = 1880 MHz; σ = 1.321 S/m; ε_r = 40.967; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.3 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(8.22, 8.22, 8.22) @ 1880 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: SAM Left; Type: Twin SAM; Serial: 1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.811 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.35 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.963 W/kg
SAR(1 g) = 0.605 W/kg; SAR(10 g) = 0.372 W/kg
Maximum value of SAR (measured) = 0.829 W/kg



Test Laboratory: BTL.Inc Date: 2021/9/24

U33_UMTS B4_RMC12.2K_CH1413_Front Face_1.0cm

DUT: GPS Tracker;

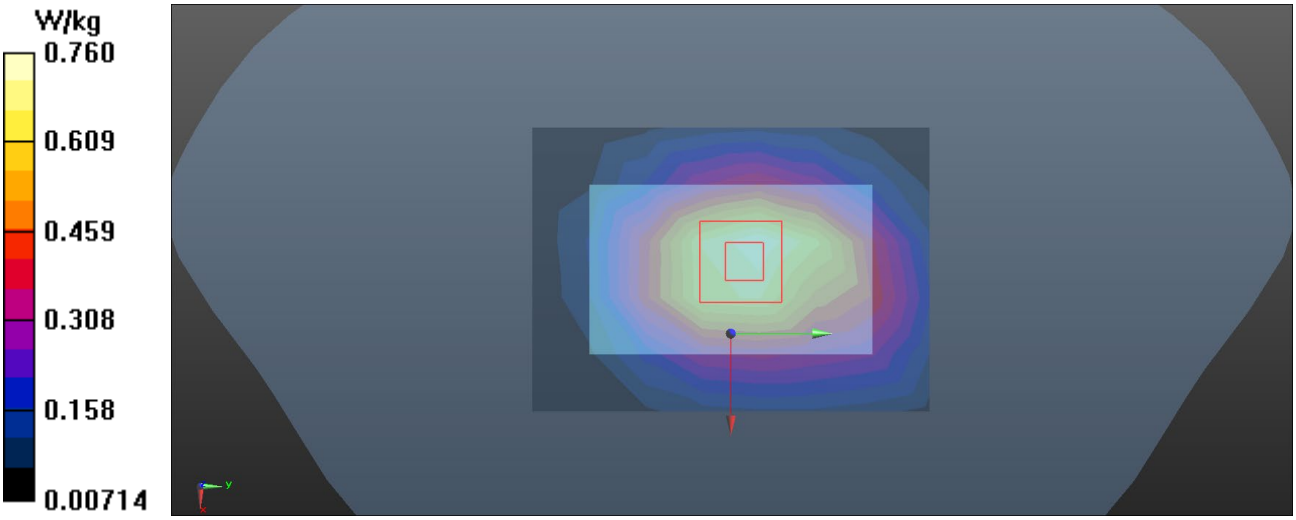
Communication System: UID 0, WCDMA (0);
Frequency: 1732.6 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.375 S/m; ε_r = 39.98; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.5 ℃

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(5.21, 5.21, 5.21) @ 1750 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- Phantom: SAM Mid v5.0; Type: QD000P40CD; Serial: 1896
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.760 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.74 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.881 W/kg
SAR(1 g) = 0.573 W/kg; SAR(10 g) = 0.359 W/kg
Maximum value of SAR (measured) = 0.771 W/kg



Test Laboratory: BTL Inc. Date: 2021/9/25

U37_UMTS B5_RMC12.2K_CH4182_Front Face_1.0cm

DUT: GPS Tracker;

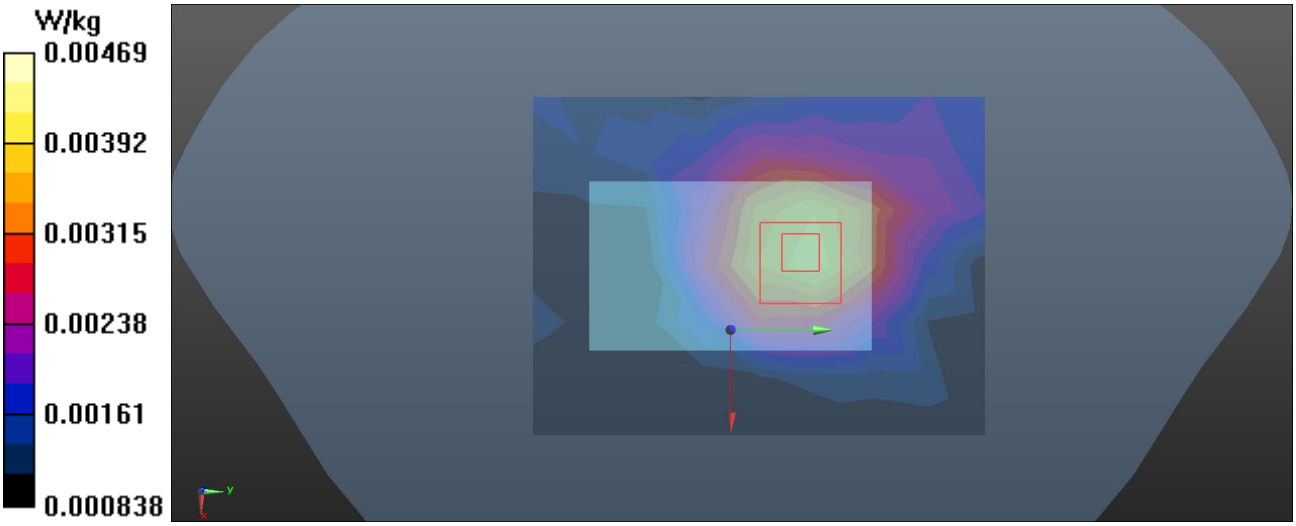
Communication System: UID 0, UMTS-FDD(WCDMA) (0);
Frequency: 836.4 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.908 S/m; ε_r = 42.173; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(6.02, 6.02, 6.02) @ 836.4 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- Phantom: SAM Mid v5.0; Type: QD000P40CD; Serial: 1896
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.00414 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.505 V/m; Power Drift = 0.17dB
Peak SAR (extrapolated) = 0.00732 W/kg
SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.030 W/kg
Maximum value of SAR (measured) = 0.00469 W/kg



Test Laboratory: BTL.Inc Date: 2021/9/24

L161_LTE B2_QPSK20M_CH18900_1RB_Front Face_1.0cm

DUT: GPS Tracker;

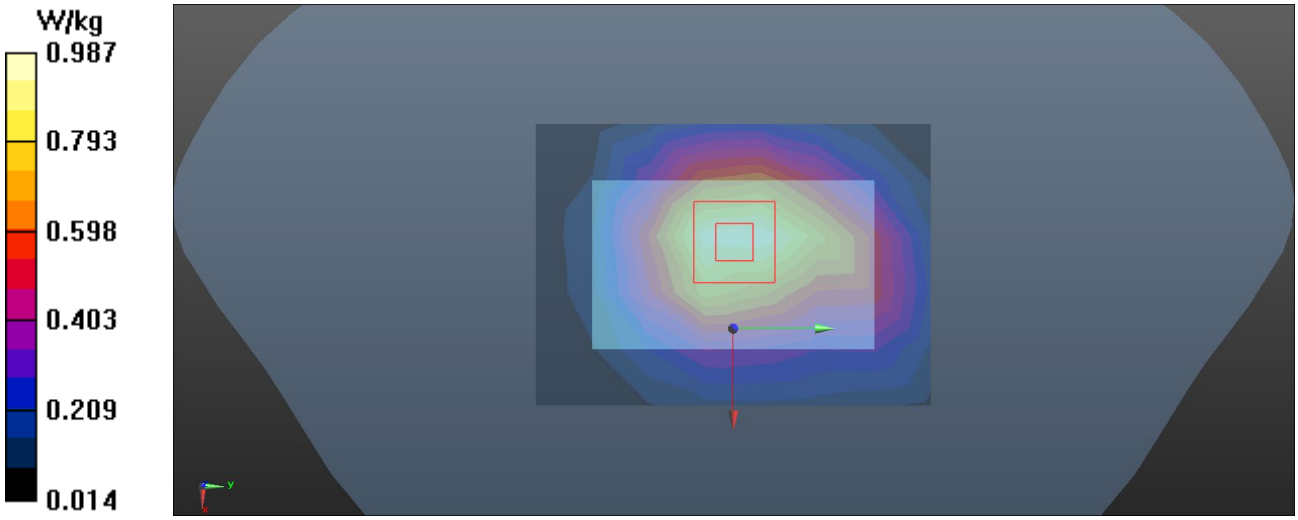
Communication System: UID 0, LTE FDD (0);
Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used (extrapolated): f = 1880 MHz; σ = 1.321 S/m; ε_r = 40.967; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.3 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(8.22, 8.22, 8.22) @ 1880 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: SAM Left; Type: Twin SAM; Serial: 1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.987 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.83 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.741 W/kg; SAR(10 g) = 0.455 W/kg
Maximum value of SAR (measured) = 1.02 W/kg



Test Laboratory: BTL Inc. Date: 2021/9/24

L164_LTE B4_QPSK20M_CH20300_1RB_Front Face_1.0cm

DUT: GPS Tracker;

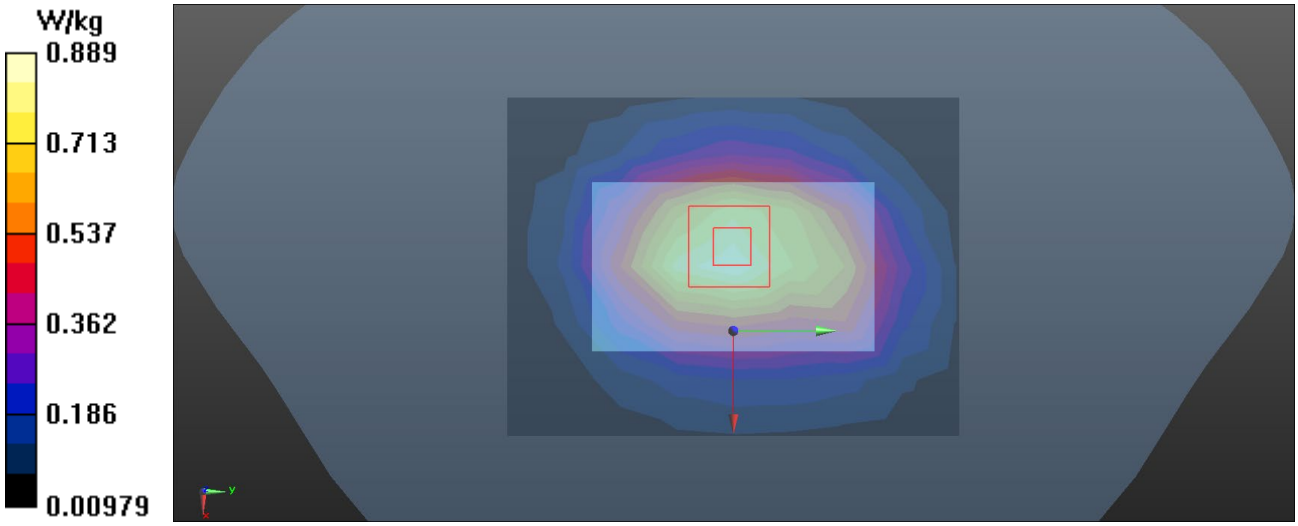
Communication System: UID 0, LTE-FDD(1RB,20MHz,QPSK) (0);
Frequency: 1745 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1745 MHz; σ = 1.386 S/m; ε_r = 39.957; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.5 ℃

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(5.21, 5.21, 5.21) @ 1745 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- Phantom: SAM Mid v5.0; Type: QD000P40CD; Serial: 1896
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.889 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.87 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.18 W/kg
SAR(1 g) = 0.804 W/kg; SAR(10 g) = 0.509 W/kg
Maximum value of SAR (measured) = 0.941 W/kg



Test Laboratory: BTL Inc. Date: 2021/9/25

L173_LTE B5_QPSK10M_CH20450_1RB_Front Face_1.0cm

DUT: GPS Tracker;

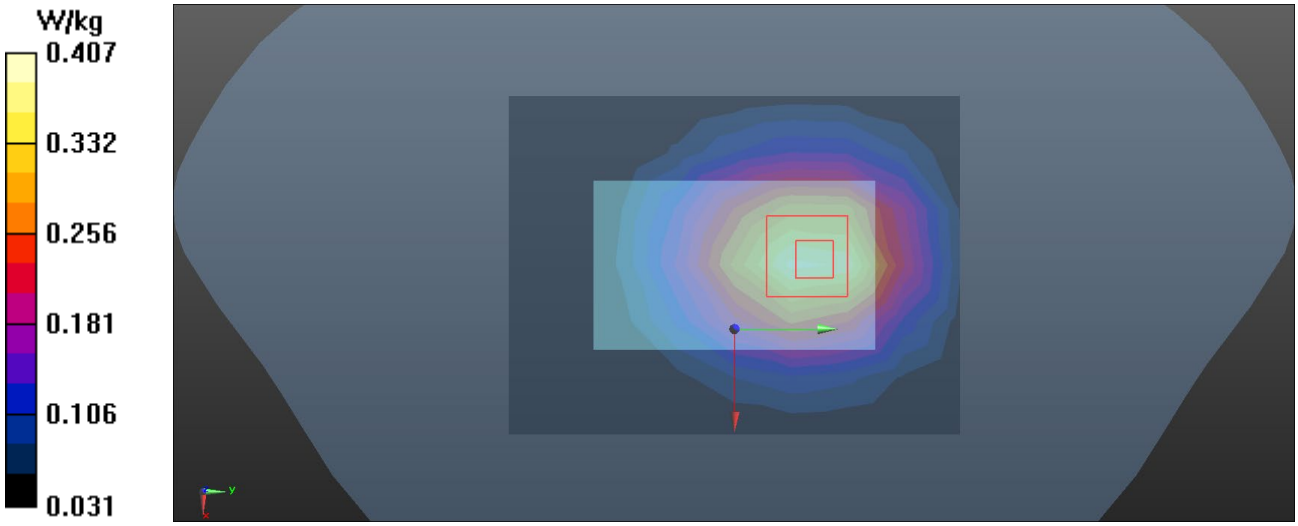
Communication System: UID 0, LTE-FDD(1RB,10MHz,QPSK) (0);
Frequency: 829 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 829 MHz; σ = 0.904 S/m; ε_r = 42.236; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.4 ℃

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(6.02, 6.02, 6.02) @ 829 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- Phantom: SAM Mid v5.0; Type: QD000P40CD; Serial: 1896
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.392 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.58 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 0.516 W/kg
SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.241 W/kg
Maximum value of SAR (measured) = 0.407 W/kg



Test Laboratory: BTL Inc. Date: 2021/9/26

L176_LTE B12_QPSK10M_CH23060_1RB_Front Face_1.0cm

DUT: GPS Tracker;

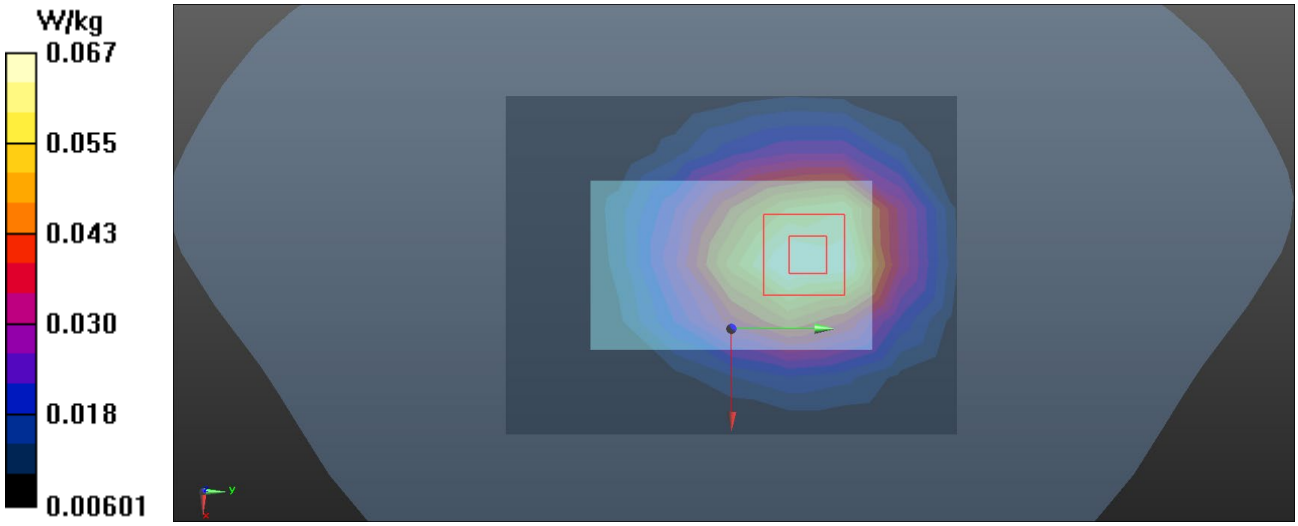
Communication System: UID 0, LTE-FDD(1RB,10MHz,QPSK) (0);
Frequency: 704 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 704 MHz; σ = 0.852 S/m; ε_r = 43.228; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.0 ℃

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(6.31, 6.31, 6.31) @ 704 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- Phantom: SAM Mid v5.0; Type: QD000P40CD; Serial: 1896
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0694 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.982 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.0870 W/kg
SAR(1 g) = 0.059 W/kg; SAR(10 g) = 0.041 W/kg
Maximum value of SAR (measured) = 0.0671 W/kg



Test Laboratory: BTL Inc. Date: 2021/9/26

L179_LTE B13_QPSK10M_CH23230_1RB_Front Face_1.0cm

DUT: GPS Tracker;

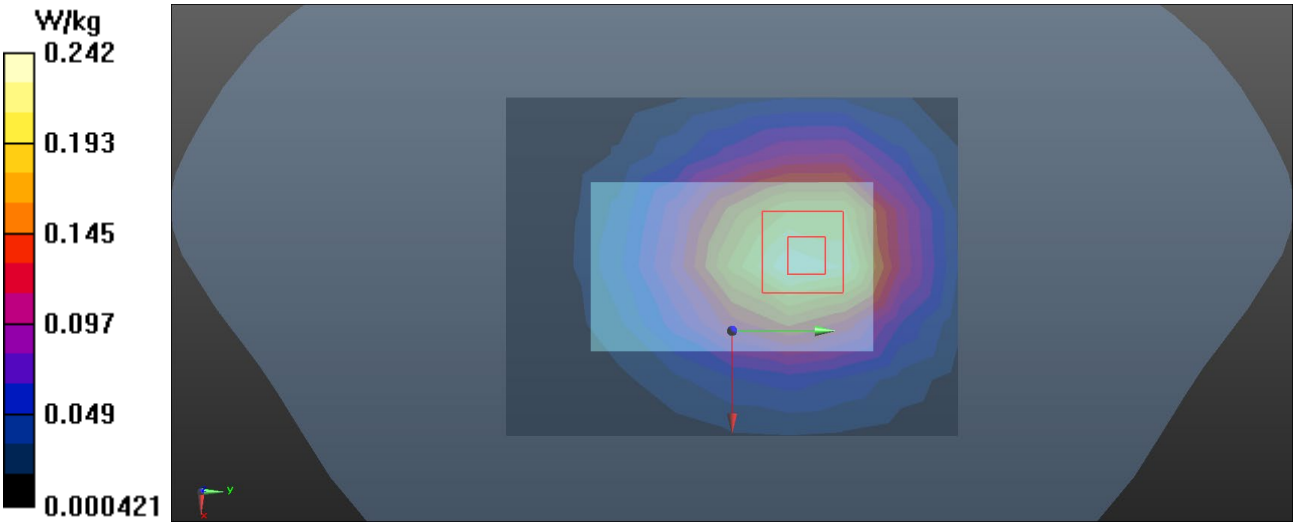
Communication System: UID 0, LTE-FDD(1RB,10MHz,QPSK) (0);
Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 0.901 S/m; ε_r = 42.636; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.0 ℃

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(6.31, 6.31, 6.31) @ 782 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- Phantom: SAM Mid v5.0; Type: QD000P40CD; Serial: 1896
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.242 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.91 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.319 W/kg
SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.151 W/kg
Maximum value of SAR (measured) = 0.251 W/kg



Test Laboratory: BTL Inc. Date: 2021/9/26

L182_LTE B14_QPSK10M_CH23330_1RB_Front Face_1.0cm

DUT: GPS Tracker;

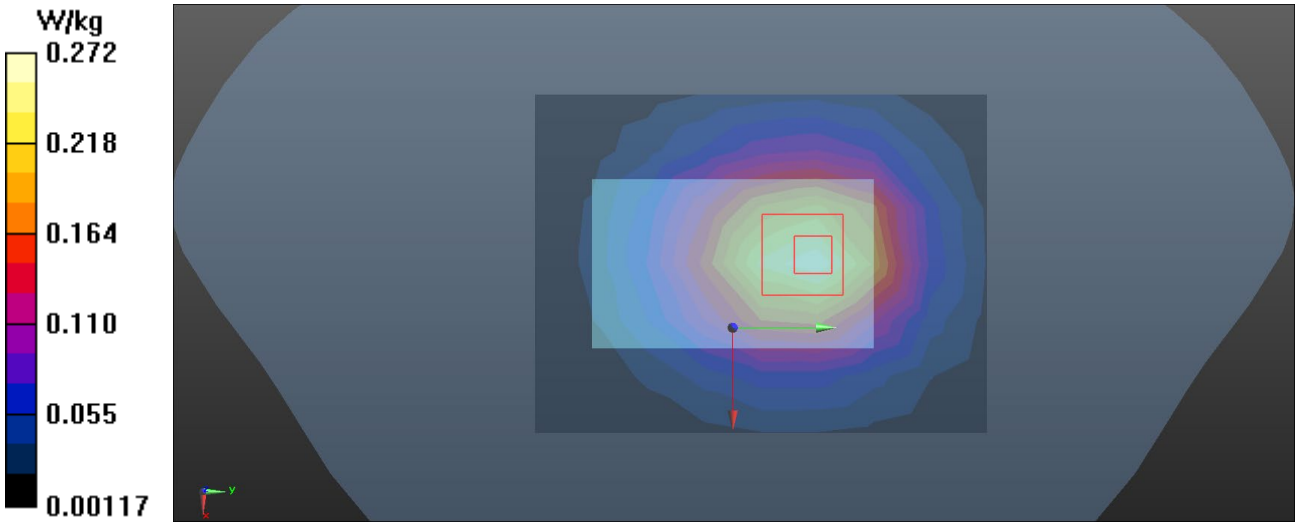
Communication System: UID 0, LTE-FDD(1RB,10MHz,QPSK) (0);
Frequency: 793 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 793 MHz; σ = 0.907 S/m; ε_r = 42.55; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.0 ℃

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(6.31, 6.31, 6.31) @ 793 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- Phantom: SAM Mid v5.0; Type: QD000P40CD; Serial: 1896
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.272 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.46 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.358 W/kg
SAR(1 g) = 0.239 W/kg; SAR(10 g) = 0.162 W/kg
Maximum value of SAR (measured) = 0.278 W/kg



Test Laboratory: BTL Inc. Date: 2021/9/24

L185_LTE B66_QPSK20M_CH132572_1RB_Front Face_1.0cm

DUT: GPS Tracker;

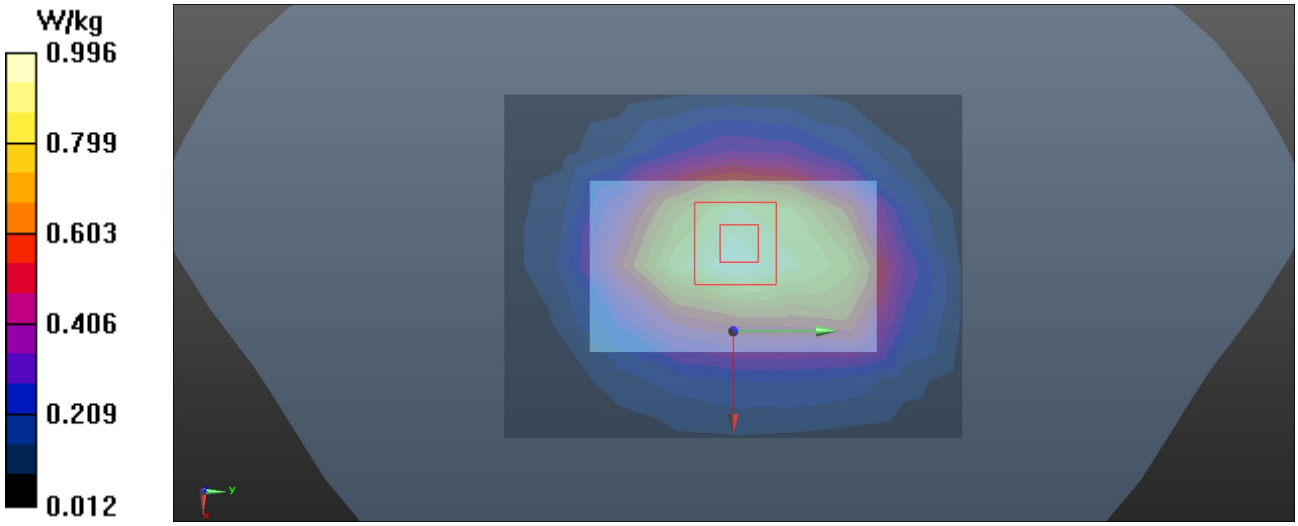
Communication System: UID 0, LTE-FDD(1RB,20MHz,QPSK) (0);
Frequency: 1770 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1770 MHz; σ = 1.404 S/m; ε_r = 39.872; ρ = 1000 kg/m^3
Ambient Temperature：23.4 ℃; Liquid Temperature：22.5 ℃

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(5.21, 5.21, 5.21) @ 1770 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- Phantom: SAM Mid v5.0; Type: QD000P40CD; Serial: 1896
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.996 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 26.13 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 1.34 W/kg
SAR(1 g) = 0.911 W/kg; SAR(10 g) = 0.585 W/kg
Maximum value of SAR (measured) = 1.06 W/kg



Test Laboratory: BTL Inc. Date: 2021/9/26

L192_LTE B71_QPSK20M_CH133322_1RB_Front Face_1.0cm

DUT: GPS Tracker;

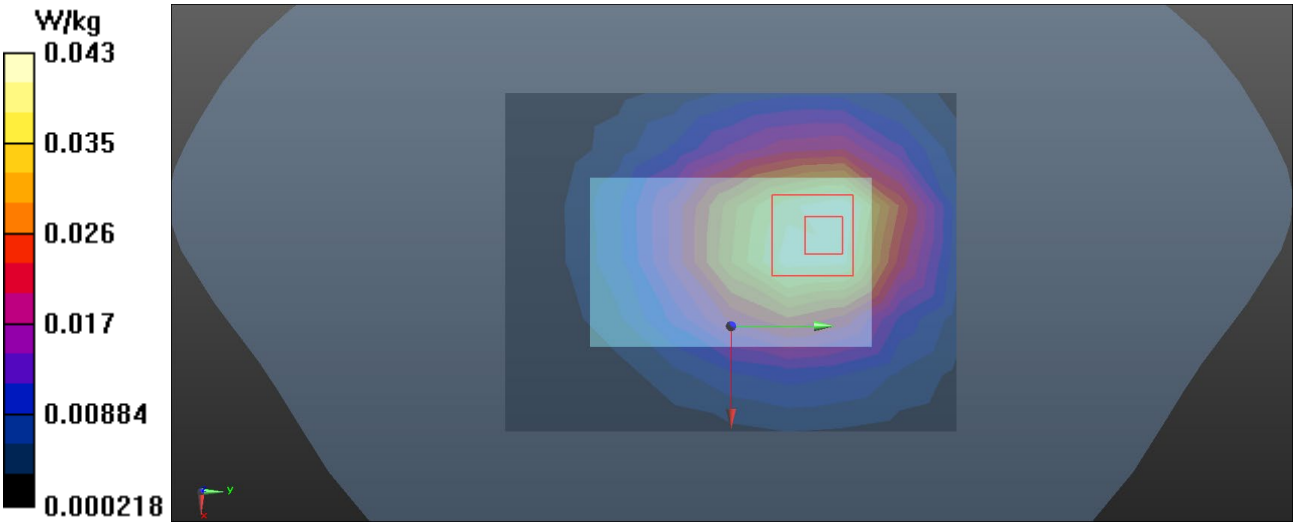
Communication System: UID 0, LTE-FDD(1RB,20MHz,QPSK) (0);
Frequency: 683 MHz; Duty Cycle: 1:1
Medium parameters used (extrapolated): f = 683 MHz; σ = 0.838 S/m; ε_r = 43.375; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.0 ℃

DASY Configuration:

- Probe: ES3DV3 - SN3162; ConvF(6.31, 6.31, 6.31) @ 683 MHz; Calibrated: 2021/6/15
- Sensor-Surface: 3mm (Mechanical Surface Detection), z = 2.0, 32.0
- Electronics: DAE4 Sn420; Calibrated: 2020/12/9
- Phantom: SAM Mid v5.0; Type: QD000P40CD; Serial: 1896
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0433 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.291 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.0630 W/kg
SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.029 W/kg
Maximum value of SAR (measured) = 0.0478 W/kg



Test Laboratory: BTL Inc. Date: 2021/9/4

U02_UMTS B2_RMC12.2K_CH9400_Rear Face_0cm

DUT: GPS Tracker;

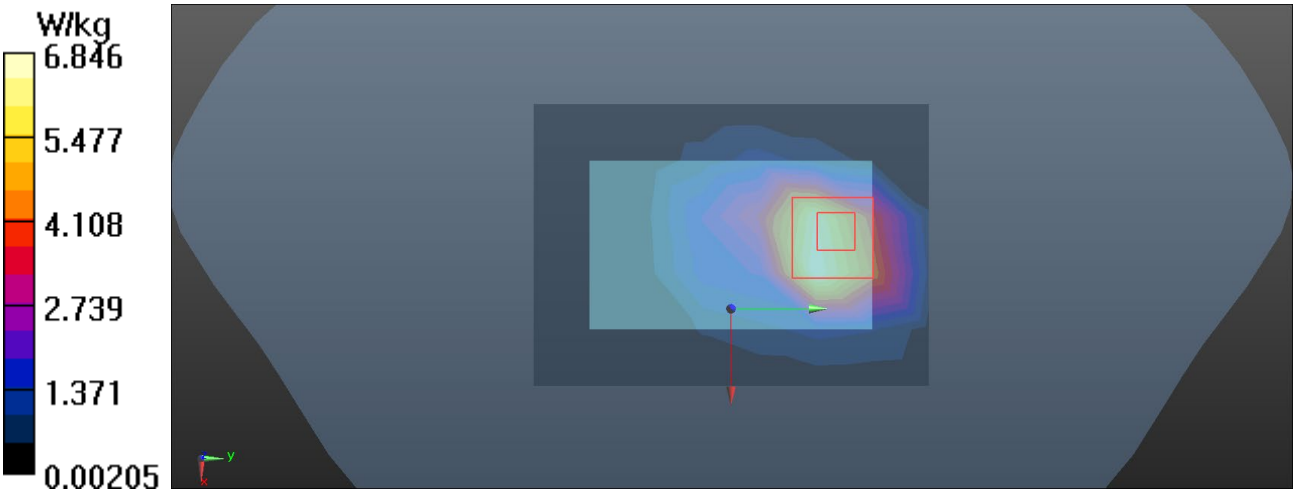
Communication System: UID 0, UMTS-FDD(WCDMA) (0);
Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used (extrapolated): f = 1880 MHz; σ = 1.321 S/m; ε_r = 40.829; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.3 ℃

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(8.48, 8.48, 8.48) @ 1880 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1423; Calibrated: 2020/12/11
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: S/N:1812
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 6.85 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 43.91 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 18.5 W/kg
SAR(1 g) = 5.46 W/kg; SAR(10 g) = 2.35 W/kg
Maximum value of SAR (measured) = 12.8 W/kg



Test Laboratory: BTL Inc. Date: 2021/9/3

U12_UMTS B4_RMC12.2K_CH1413_Top Side_0cm

DUT: GPS Tracker;

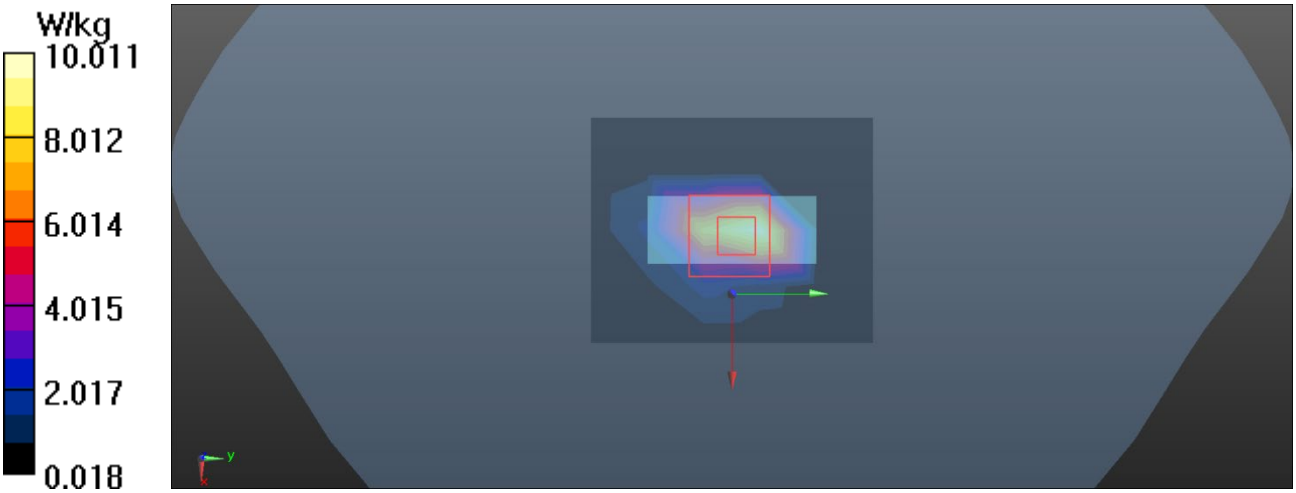
Communication System: UID 0, UMTS-FDD(WCDMA) (0);
Frequency: 1732.6 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1732.6 MHz; σ = 1.373 S/m; ε_r = 39.776; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.5 ℃

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(8.8, 8.8, 8.8) @ 1732.6 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1423; Calibrated: 2020/12/11
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: S/N:1812
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (5x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 10.0 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 86.90 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 13.3 W/kg
SAR(1 g) = 5.87 W/kg; SAR(10 g) = 2.53 W/kg
Maximum value of SAR (measured) = 10.9 W/kg



Test Laboratory: BTL.Inc Date: 2021/9/2

U16_UMTS B5_RMC12.2K_CH4182_Rear Face_0cm

DUT: GPS Tracker;

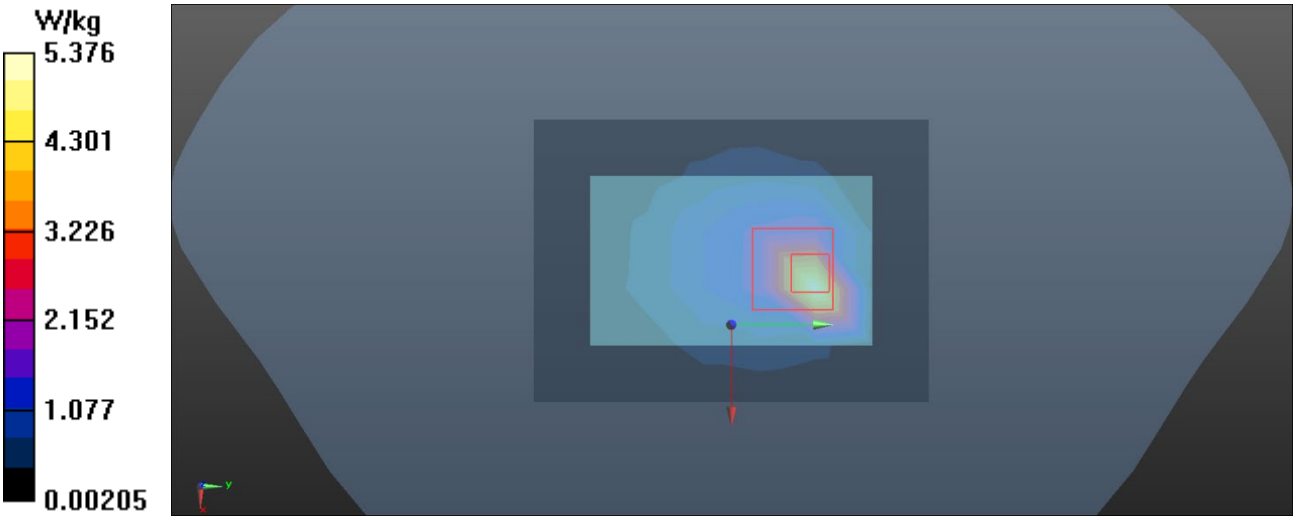
Communication System: UID 0, WCDMA (0);
Frequency: 836.4 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 836.4 MHz; σ = 0.915 S/m; ε_r = 42.139; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.2 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(10.06, 10.06, 10.06) @ 836.4 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: SAM Left; Type: Twin SAM; Serial: 1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.38 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 40.16 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 8.15 W/kg
SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.13 W/kg
Maximum value of SAR (measured) = 5.11 W/kg



Test Laboratory: BTL Inc. Date: 2021/9/4

L02_LTE B2_QPSK20M_CH18900_1RB_Rear Face_0cm

DUT: GPS Tracker;

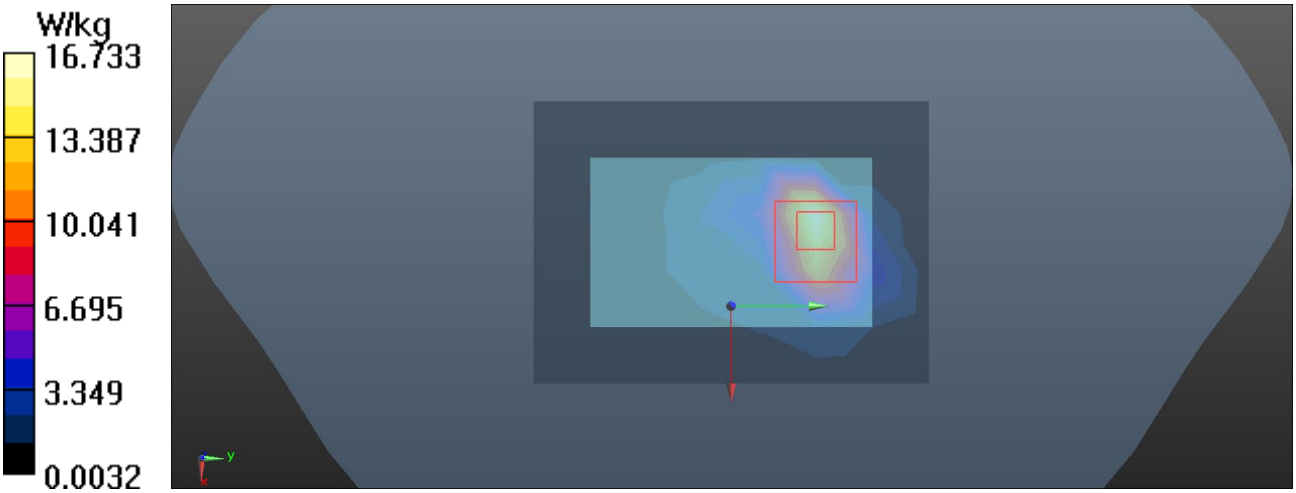
Communication System: UID 0, LTE-FDD(1RB,20MHz,QPSK) (0);
Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used (extrapolated): f = 1880 MHz; σ = 1.321 S/m; ε_r = 40.829; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.3 ℃

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(8.48, 8.48, 8.48) @ 1880 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1423; Calibrated: 2020/12/11
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: S/N:1812
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 16.7 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 47.51 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 24.0 W/kg
SAR(1 g) = 7.58 W/kg; SAR(10 g) = 3.13 W/kg
Maximum value of SAR (measured) = 16.3 W/kg



Test Laboratory: BTL Inc. Date: 2021/9/3

L12_LTE B4_QPSK20M_CH20300_1RB_Top Side_0cm

DUT: GPS Tracker;

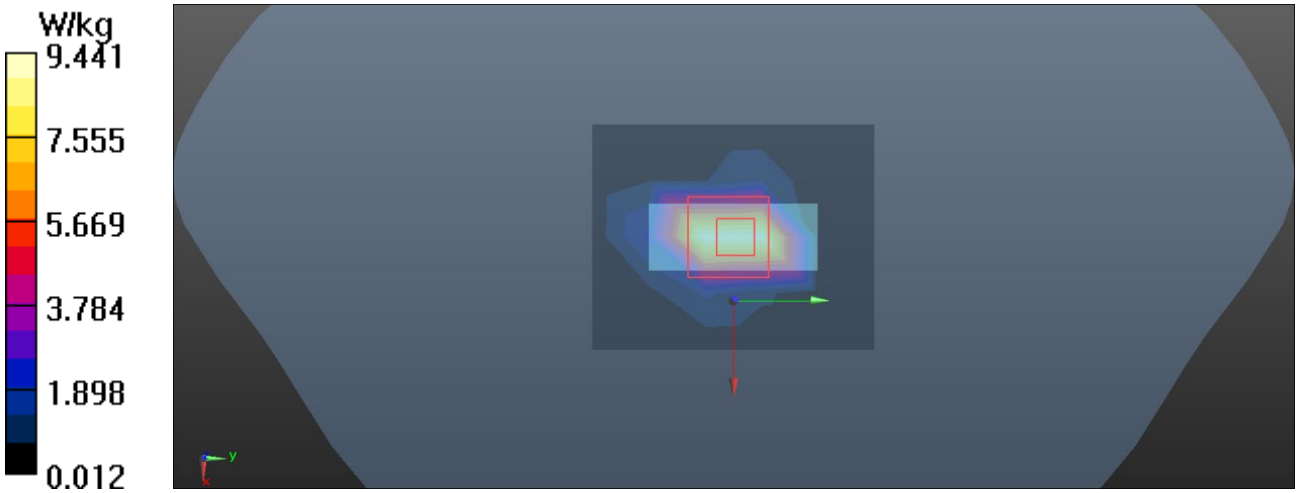
Communication System: UID 0, LTE-FDD(1RB,20MHz,QPSK) (0);
Frequency: 1745 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 1745 MHz; σ = 1.386 S/m; ε_r = 39.728; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.5 ℃

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(8.8, 8.8, 8.8) @ 1745 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1423; Calibrated: 2020/12/11
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: S/N:1812
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (5x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 9.44 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 89.29 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 14.2 W/kg
SAR(1 g) = 6.48 W/kg; SAR(10 g) = 2.81 W/kg
Maximum value of SAR (measured) = 11.6 W/kg



Test Laboratory: BTL.Inc Date: 2021/9/2

L16_LTE B5_QPSK10M_CH20450_1RB_Rear Face_0cm

DUT: GPS Tracker;

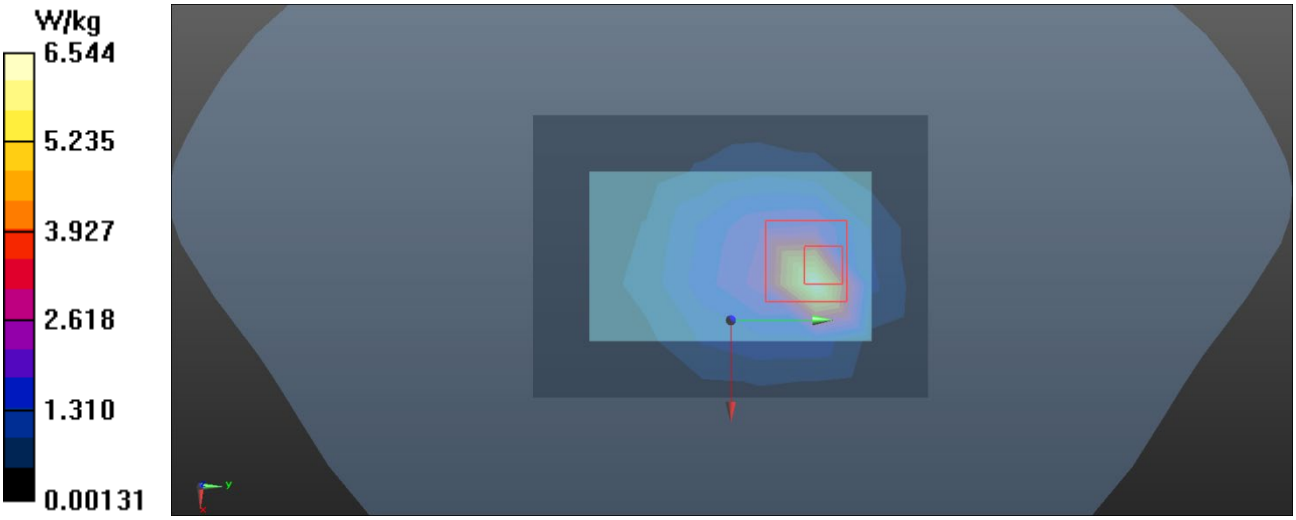
Communication System: UID 0, LTE FDD (0);
Frequency: 829 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 829 MHz; σ = 0.91 S/m; ε_r = 42.202; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.2 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(10.06, 10.06, 10.06) @ 829 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: SAM Left; Type: Twin SAM; Serial: 1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 6.54 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 49.00 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 14.2 W/kg
SAR(1 g) = 3.79 W/kg; SAR(10 g) = 1.73 W/kg
Maximum value of SAR (measured) = 7.11 W/kg



Test Laboratory: BTL.Inc Date: 2021/9/2

L23_LTE B12_QPSK10M_CH23060 _1RB_Rear Face_0cm

DUT: GPS Tracker;

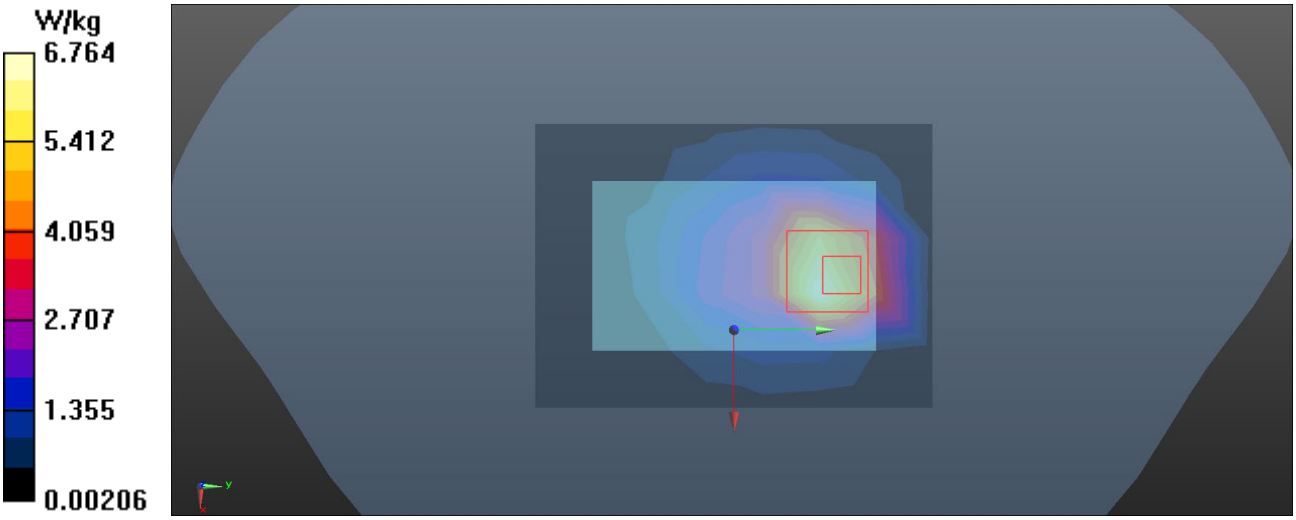
Communication System: UID 0, LTE FDD (0);
Frequency: 704 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 704 MHz; σ = 0.857 S/m; ε_r = 43.194; ρ = 1000 kg/m^3
Ambient Temperature: 23.1 ℃; Liquid Temperature: 22.2 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(10.44, 10.44, 10.44) @ 704 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: SAM Left; Type: Twin SAM; Serial: 1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 6.76 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 57.03 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 27.6 W/kg
SAR(1 g) = 7.14 W/kg; SAR(10 g) = 2.93 W/kg
Maximum value of SAR (measured) = 17.4 W/kg



Test Laboratory: BTL.Inc Date: 2021/9/2

L30_LTE B13_QPSK10M_CH23230_1RB_Rear Face_0cm

DUT: GPS Tracker;

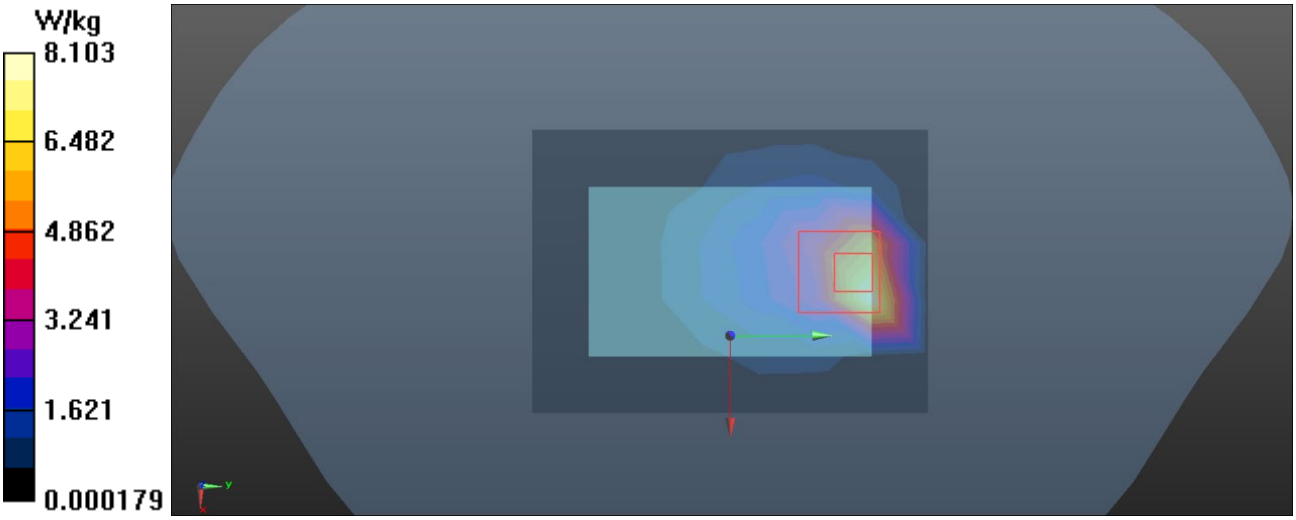
Communication System: UID 0, LTE FDD (0);
Frequency: 782 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 782 MHz; σ = 0.907 S/m; ε_r = 42.602; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.2 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(10.44, 10.44, 10.44) @ 782 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: SAM Left; Type: Twin SAM; Serial: 1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 8.10 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 45.25 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 22.8 W/kg
SAR(1 g) = 5.41 W/kg; SAR(10 g) = 2.18 W/kg
Maximum value of SAR (measured) = 13.2 W/kg



Test Laboratory: BTL.Inc Date: 2021/9/2

L37_LTE B14_QPSK10M_CH23330_1RB_Rear Face_0cm

DUT: GPS Tracker;

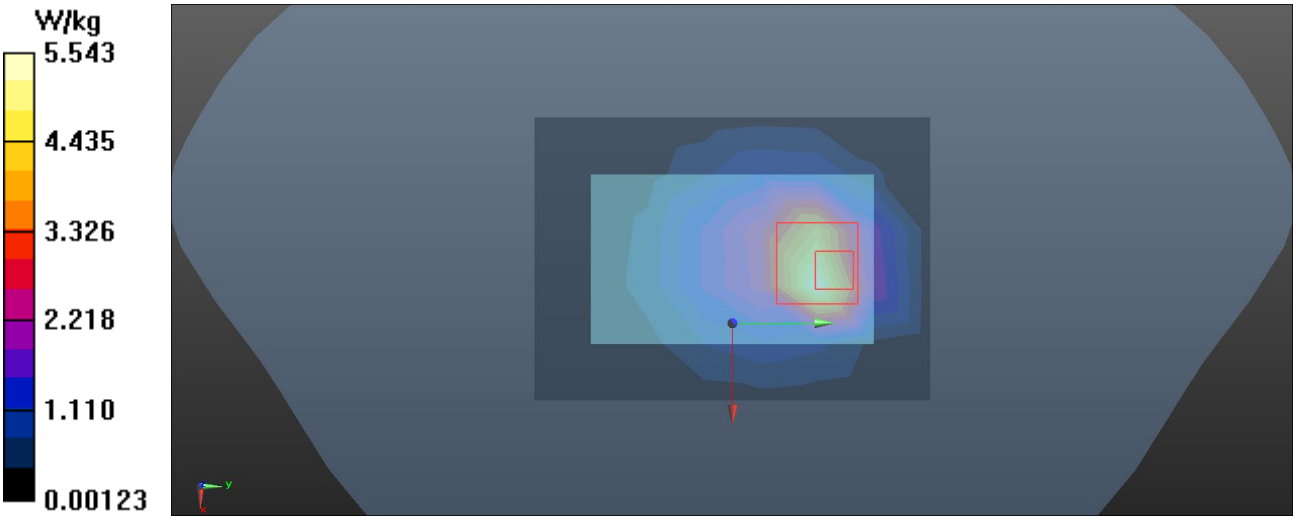
Communication System: UID 0, LTE FDD (0);
Frequency: 793 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): f = 793 MHz; σ = 0.913 S/m; ε_r = 42.516; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.2 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(10.44, 10.44, 10.44) @ 793 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: SAM Left; Type: Twin SAM; Serial: 1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 5.54 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 51.56 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 19.0 W/kg
SAR(1 g) = 4.9 W/kg; SAR(10 g) = 2.16 W/kg
Maximum value of SAR (measured) = 10.2 W/kg



Test Laboratory: BTL Inc. Date: 2021/9/3

L47_LTE B66_QPSK20M_CH132572_1RB_Top Side_0cm

DUT: GPS Tracker;

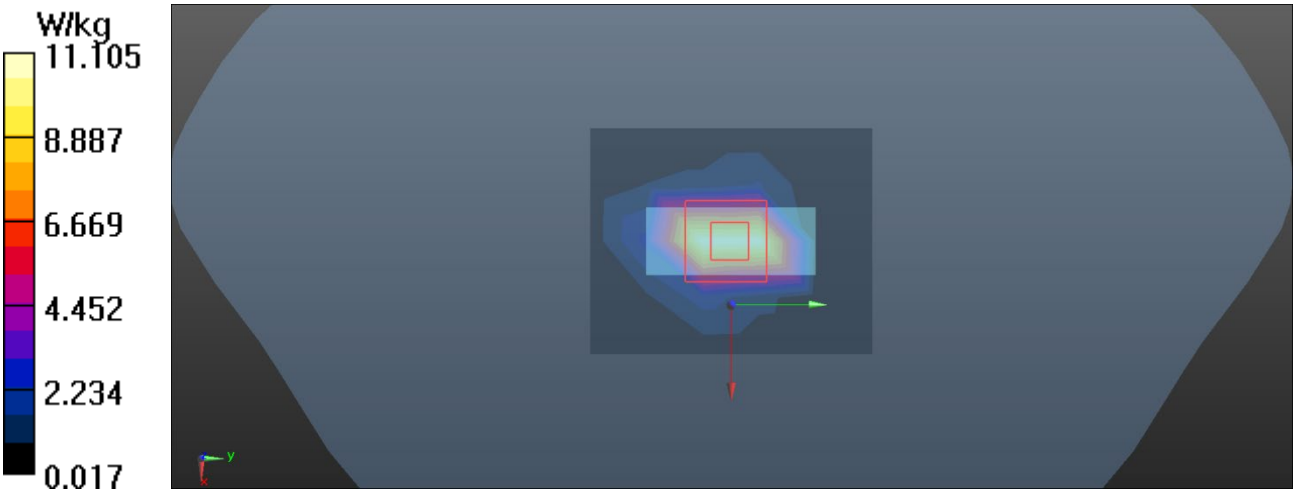
Communication System: UID 0, LTE-FDD(1RB,20MHz,QPSK) (0);
Frequency: 1770 MHz; Duty Cycle: 1:1
Medium parameters used: f = 1770 MHz; σ = 1.412 S/m; ε_r = 39.656; ρ = 1000 kg/m^3
Ambient Temperature：23.2 ℃; Liquid Temperature：22.5 ℃

DASY Configuration:

- Probe: EX3DV4 - SN3974; ConvF(8.8, 8.8, 8.8) @ 1770 MHz; Calibrated: 2020/12/18
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1423; Calibrated: 2020/12/11
- Phantom: Twin SAM V5.0; Type: QD000P40CD; Serial: S/N:1812
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (5x6x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 11.1 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 99.49 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 16.7 W/kg
SAR(1 g) = 7.61 W/kg; SAR(10 g) = 3.34 W/kg
Maximum value of SAR (measured) = 13.5 W/kg



Test Laboratory: BTL Inc. Date: 2021/9/2

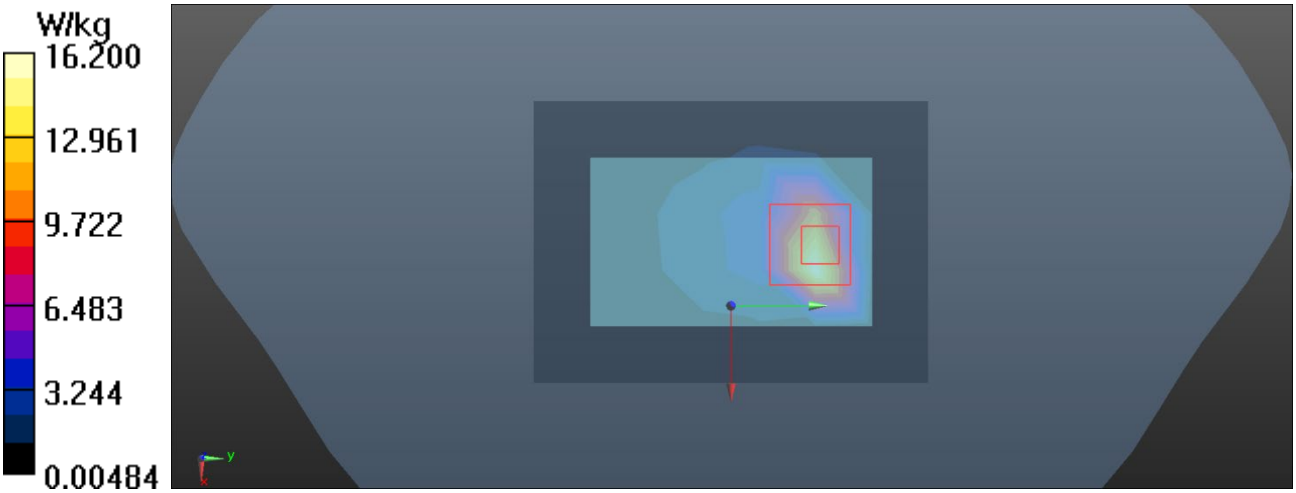
L51_LTE B71_QPSK20M_CH133322_1RB_Rear Face_0cm

DUT: GPS Tracker;

Communication System: UID 0, LTE FDD (0);
Frequency: 683 MHz; Duty Cycle: 1:1
Medium parameters used (extrapolated): f = 683 MHz; σ = 0.843 S/m; ε_r = 43.341; ρ = 1000 kg/m^3
Ambient Temperature：23.1 ℃; Liquid Temperature：22.2 ℃

DASY Configuration:

- Probe: EX3DV4 - SN7544; ConvF(10.44, 10.44, 10.44) @ 683 MHz; Calibrated: 2020/10/29
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), z = 1.0, 31.0
- Electronics: DAE4 Sn1390; Calibrated: 2020/11/6
- Phantom: SAM Left; Type: Twin SAM; Serial: 1784
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

Area Scan (6x8x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 16.2 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 55.29 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 41.7 W/kg
SAR(1 g) = 8.14 W/kg; SAR(10 g) = 2.66 W/kg
Maximum value of SAR (measured) = 17.1 W/kg