Plot 1#: GSM 850 Mid _ Head Flat

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

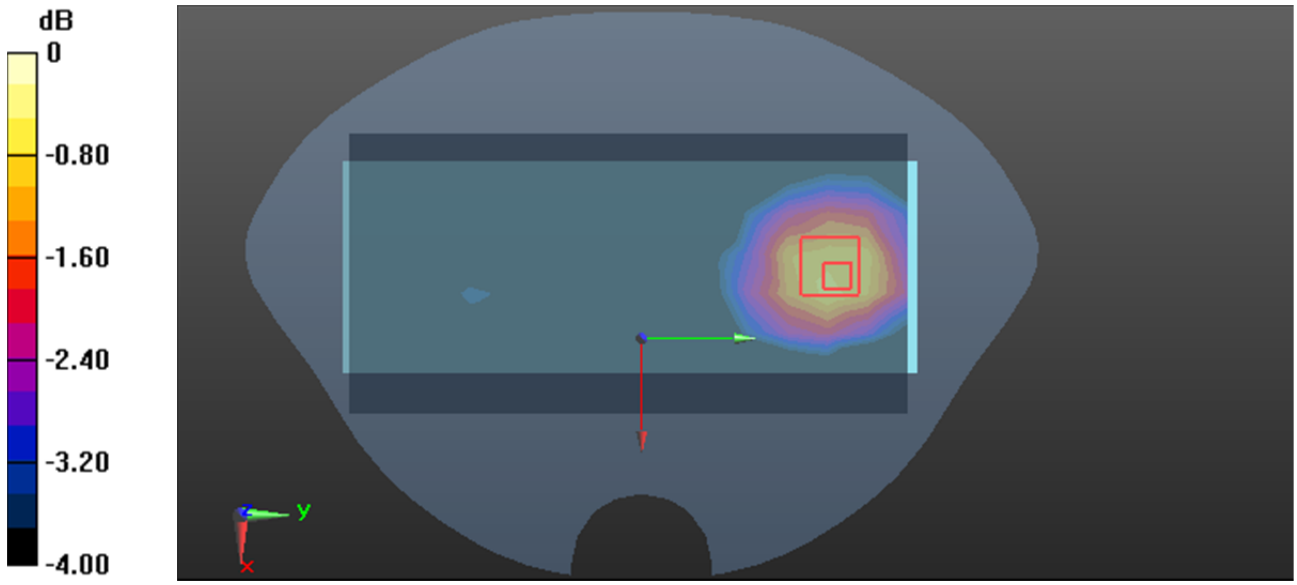
Communication System: Generic GSM (0); Frequency: 836.6 MHz;Duty Cycle: 1:8
Medium parameters used: f =836.6 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.6 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.00824 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.325 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.0150 W/kg
SAR(1 g) = 0.00731 W/kg; SAR(10 g) = 0.00525 W/kg
Maximum value of SAR (measured) = 0.00960 W/kg



0 dB = 0.00960 W/kg = -20.18 dBW/kg

Test Plot2#: GSM 850_Body Worn Front_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

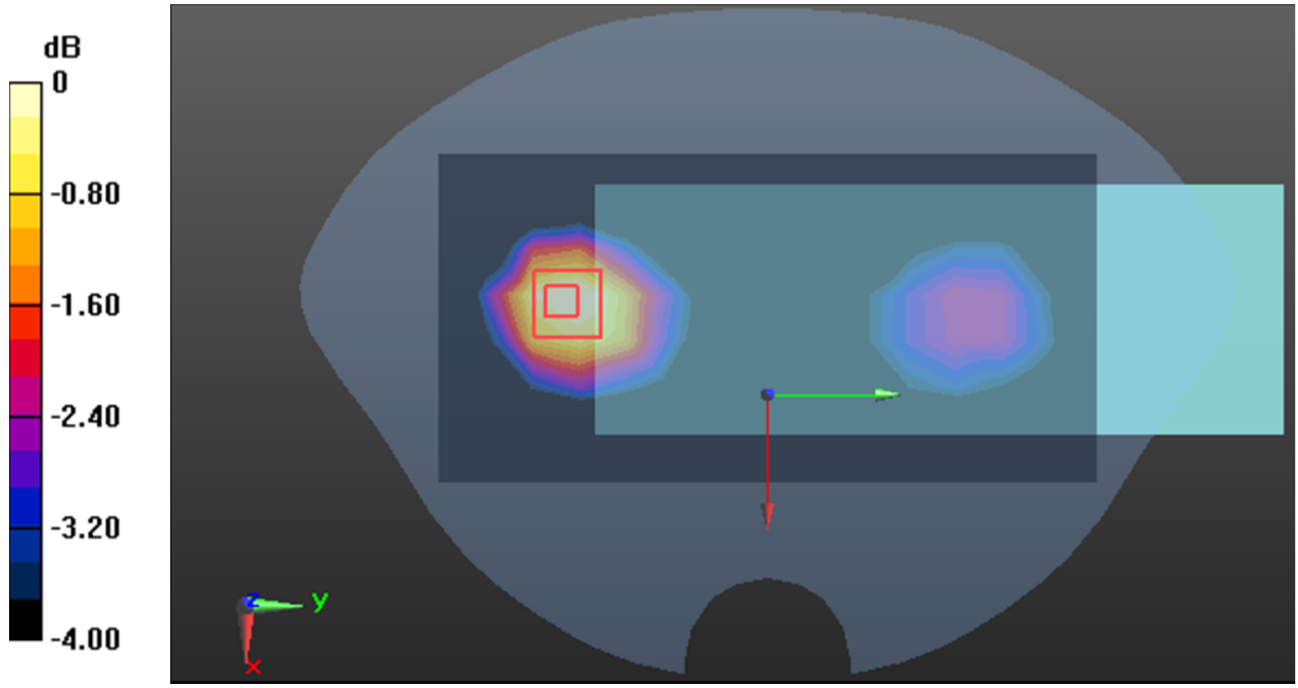
Communication System: Generic GSM (0); Frequency: 836.6 MHz;Duty Cycle: 1:8
Medium parameters used: f =836.6 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.6 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0115 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.789 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.0150 W/kg
SAR(1 g) = 0.010 W/kg; SAR(10 g) = 0.00673 W/kg
Maximum value of SAR (measured) = 0.0109 W/kg



0 dB = 0.0109 W/kg = -19.63 dB dBW/kg

Test Plot3#: GSM 850_Body Worn Back_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

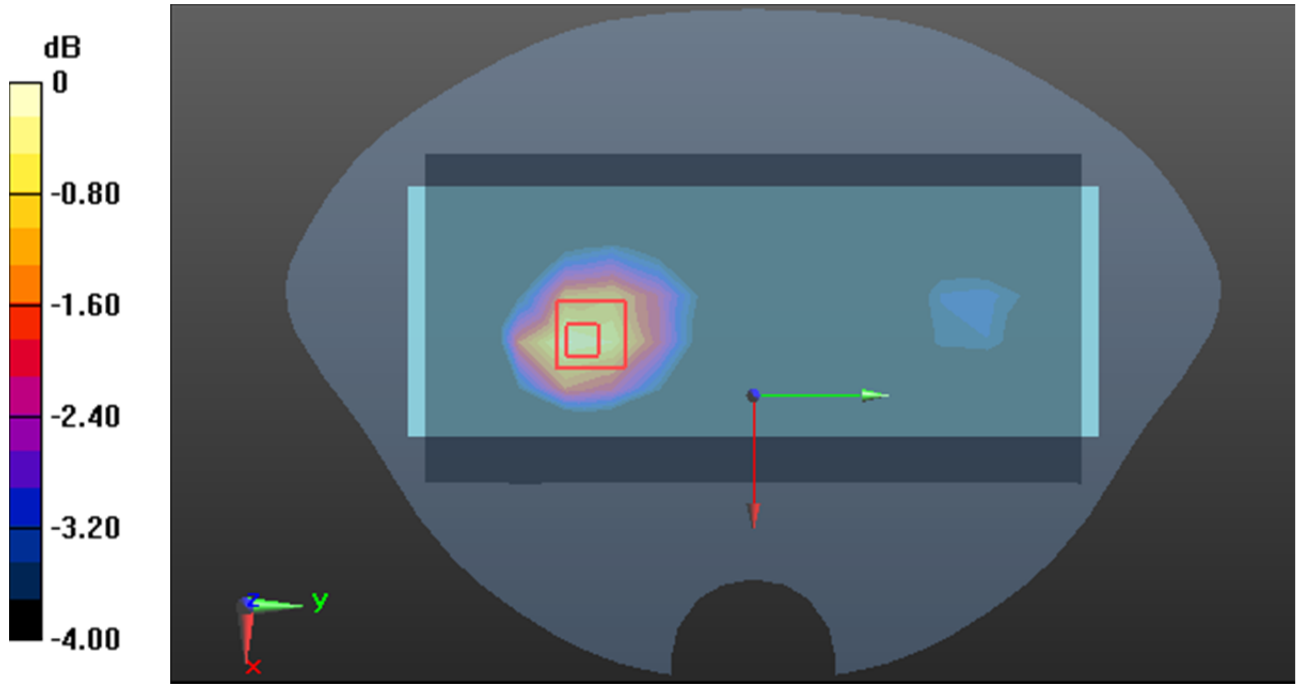
Communication System: Generic GSM (0); Frequency: 836.6 MHz;Duty Cycle: 1:8
Medium parameters used: f =836.6 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.6 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0124 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.778 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.0190 W/kg
SAR(1 g) = 0.012 W/kg; SAR(10 g) = 0.00803 W/kg
Maximum value of SAR (measured) = 0.0130 W/kg



0 dB = 0.0130 W/kg = -18.86 dB dBW/kg

Test Plot4#: GSM 850_Body Front_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

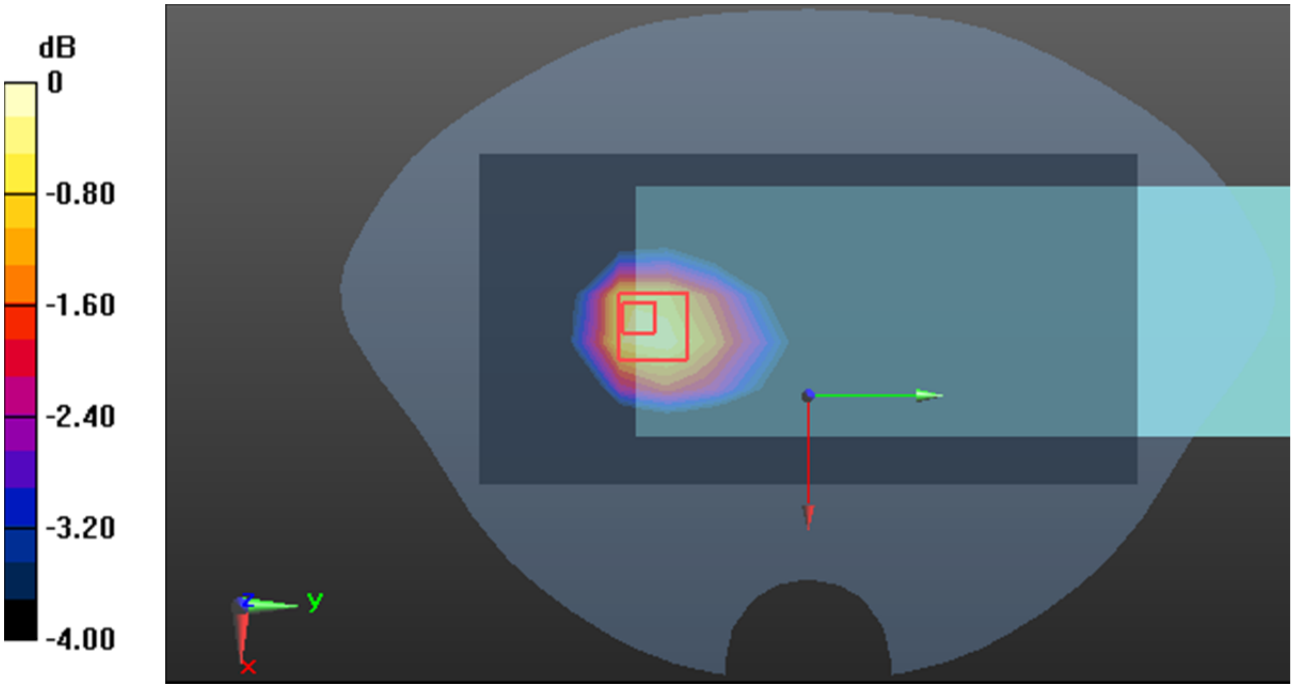
Communication System: Generic GPRS-2 slots (0); Frequency: 836.6 MHz;Duty Cycle: 1:4
Medium parameters used: f =836.6 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.6 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0229 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.163 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.0370 W/kg
SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.015 W/kg
Maximum value of SAR (measured) = 0.0246 W/kg



0 dB = 0.0246 W/kg = -16.09 dB dBW/kg

Test Plot5#: GSM 850_Body Back_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

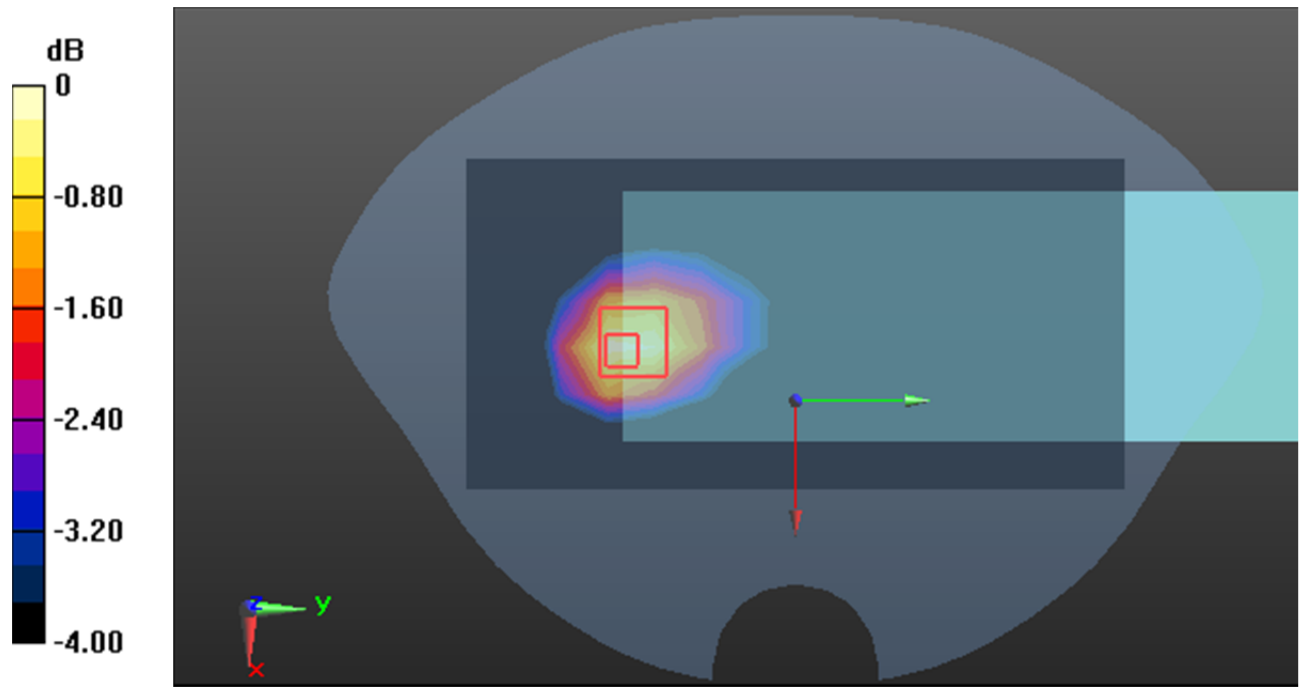
Communication System: Generic GPRS-2 slots (0); Frequency: 836.6 MHz;Duty Cycle: 1:4
Medium parameters used: f =836.6 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.6 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0208 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.809 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.0300 W/kg
SAR(1 g) = 0.020 W/kg; SAR(10 g) = 0.013 W/kg
Maximum value of SAR (measured) = 0.0213 W/kg



0 dB = 0.0213 W/kg = -16.72 dB dBW/kg

Test Plot6#: GSM 850_Body Left_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

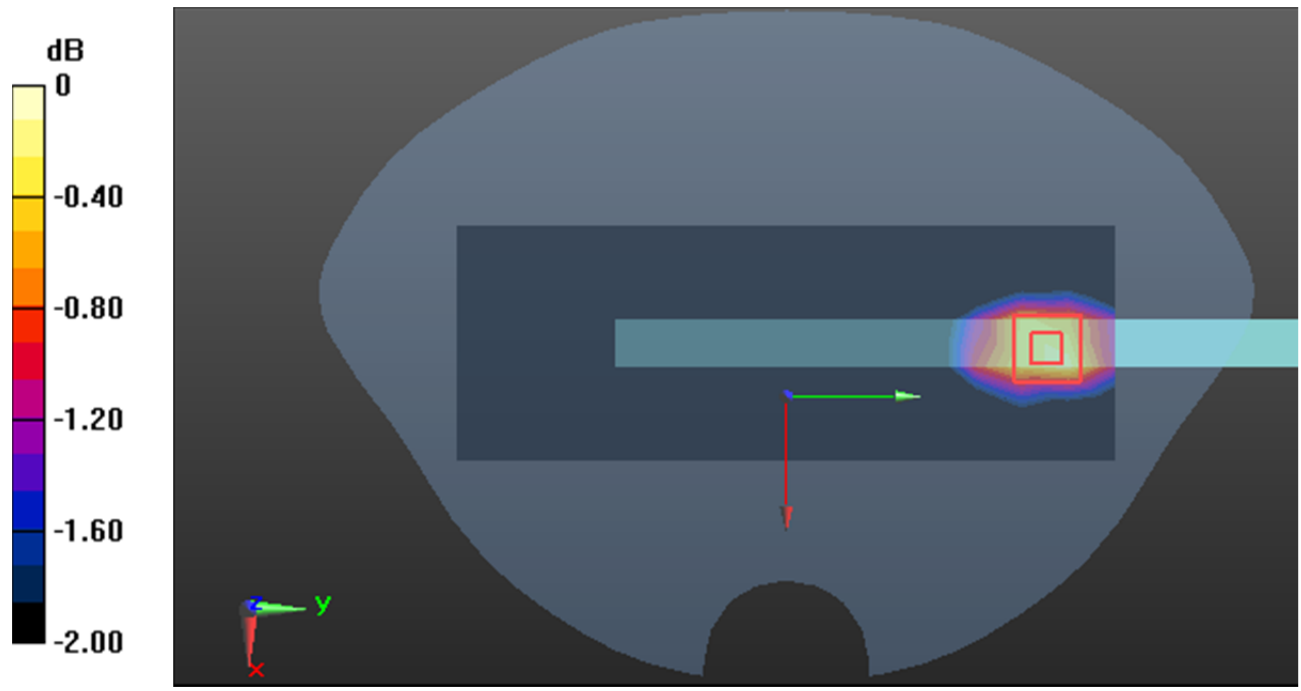
Communication System: Generic GPRS-2 slots (0); Frequency: 836.6 MHz;Duty Cycle: 1:4
Medium parameters used: f =836.6 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.6 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.00806 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.374 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.0110 W/kg
SAR(1 g) = 0.00791 W/kg; SAR(10 g) = 0.00541 W/kg
Maximum value of SAR (measured) = 0.00840 W/kg



0 dB = 0.00840 W/kg = -20.76 dB dBW/kg

Test Plot7#: GSM 850_Body Right_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

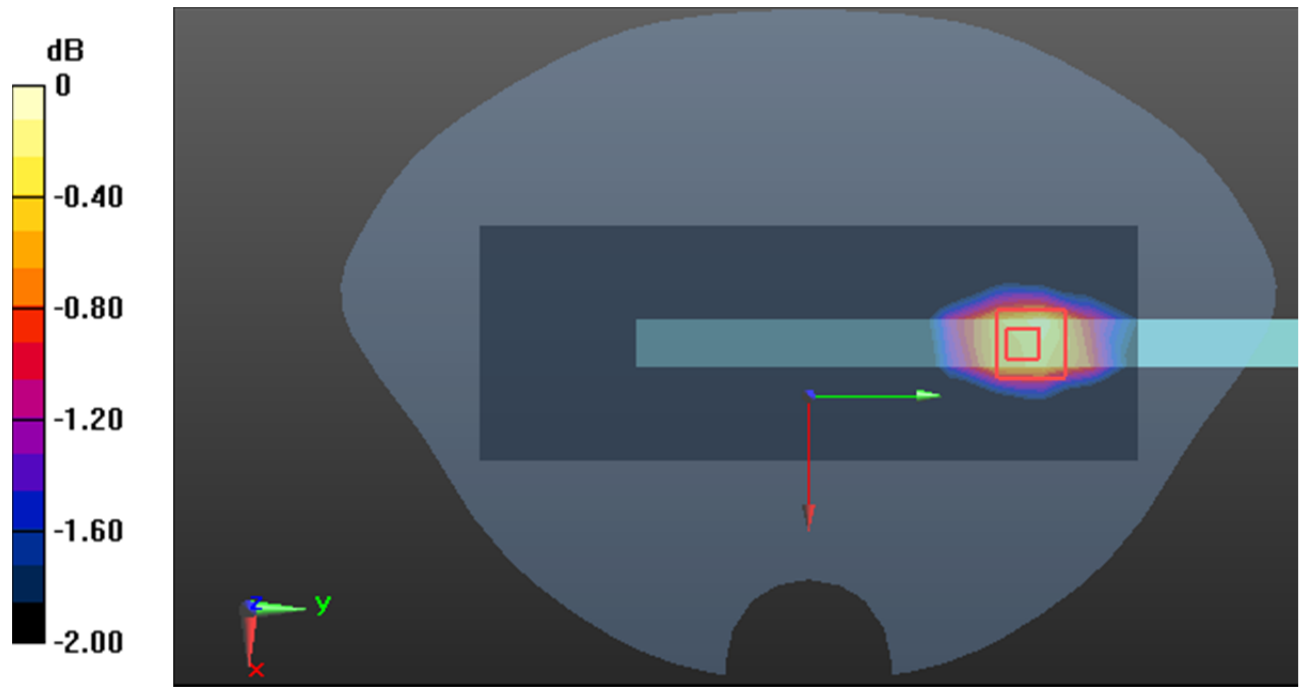
Communication System: Generic GPRS-2 slots (0); Frequency: 836.6 MHz;Duty Cycle: 1:4
Medium parameters used: f =836.6 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.6 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.00901 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.370 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.0120 W/kg
SAR(1 g) = 0.00879 W/kg; SAR(10 g) = 0.00605 W/kg
Maximum value of SAR (measured) = 0.00937 W/kg



0 dB = 0.00937 W/kg = -20.28 dB dBW/kg

Test Plot8#: GSM 850_Body Bottom_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

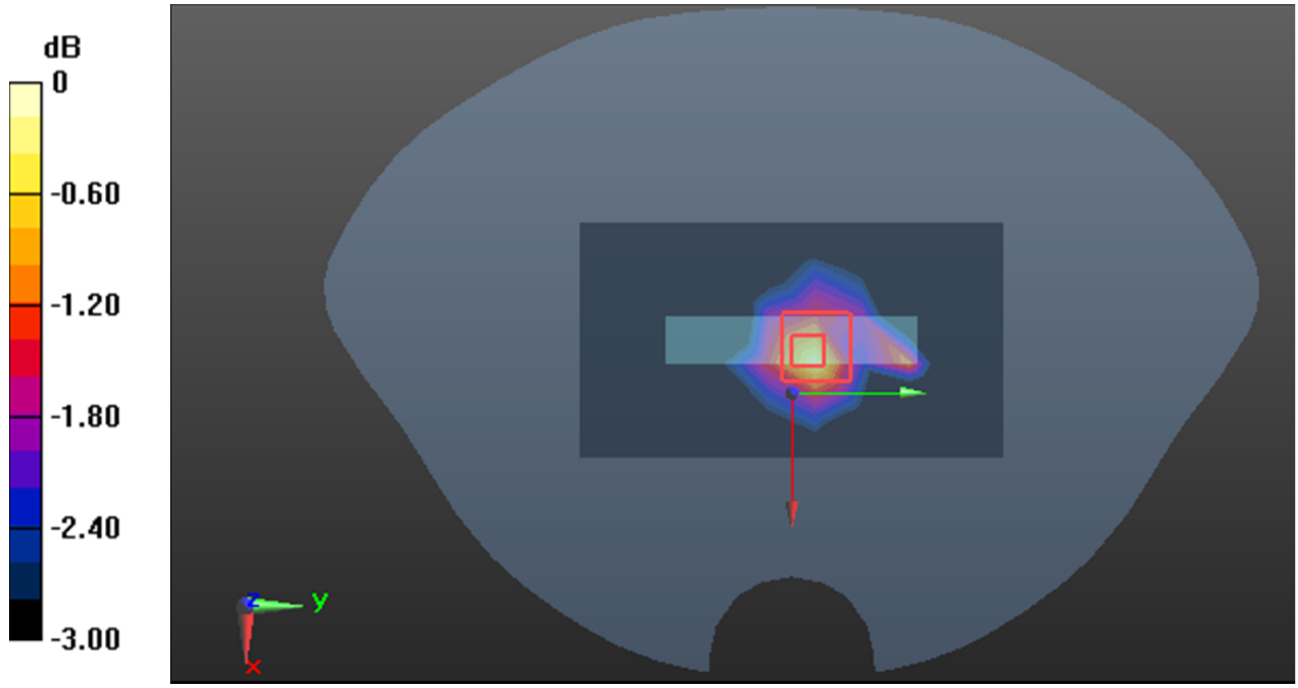
Communication System: Generic GPRS-2 slots (0); Frequency: 836.6 MHz;Duty Cycle: 1:4
Medium parameters used: f =836.6 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.6 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.00341 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.253 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.00544 W/kg
SAR(1 g) = 0.00322 W/kg; SAR(10 g) = 0.00193 W/kg
Maximum value of SAR (measured) = 0.00351 W/kg



0 dB = 0.00351 W/kg = -24.55 dB dBW/kg

Plot 9#: PCS 1900 Mid _ Head Flat

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

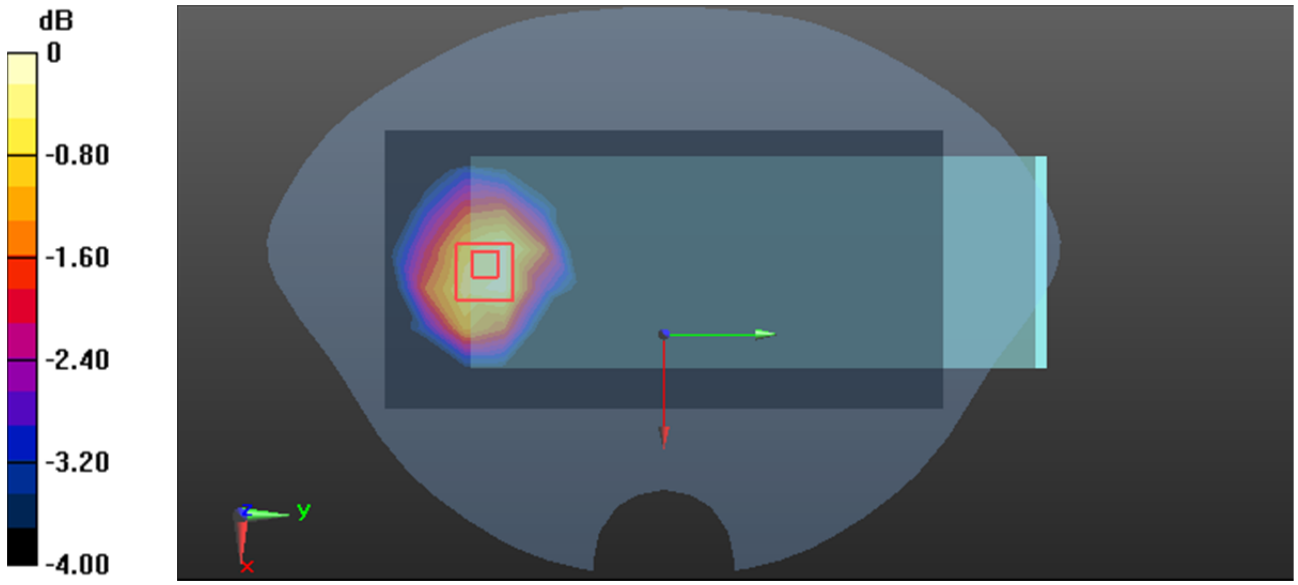
Communication System: Generic GSM (0); Frequency: 1880 MHz;Duty Cycle: 1:8
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.00695 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.086 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.0120 W/kg
SAR(1 g) = 0.00677 W/kg; SAR(10 g) = 0.00409 W/kg
Maximum value of SAR (measured) = 0.00716 W/kg



0 dB = 0.00716 W/kg = -21.45 dBW/kg

Test Plot10#: PCS 1900_Body Worn Front_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

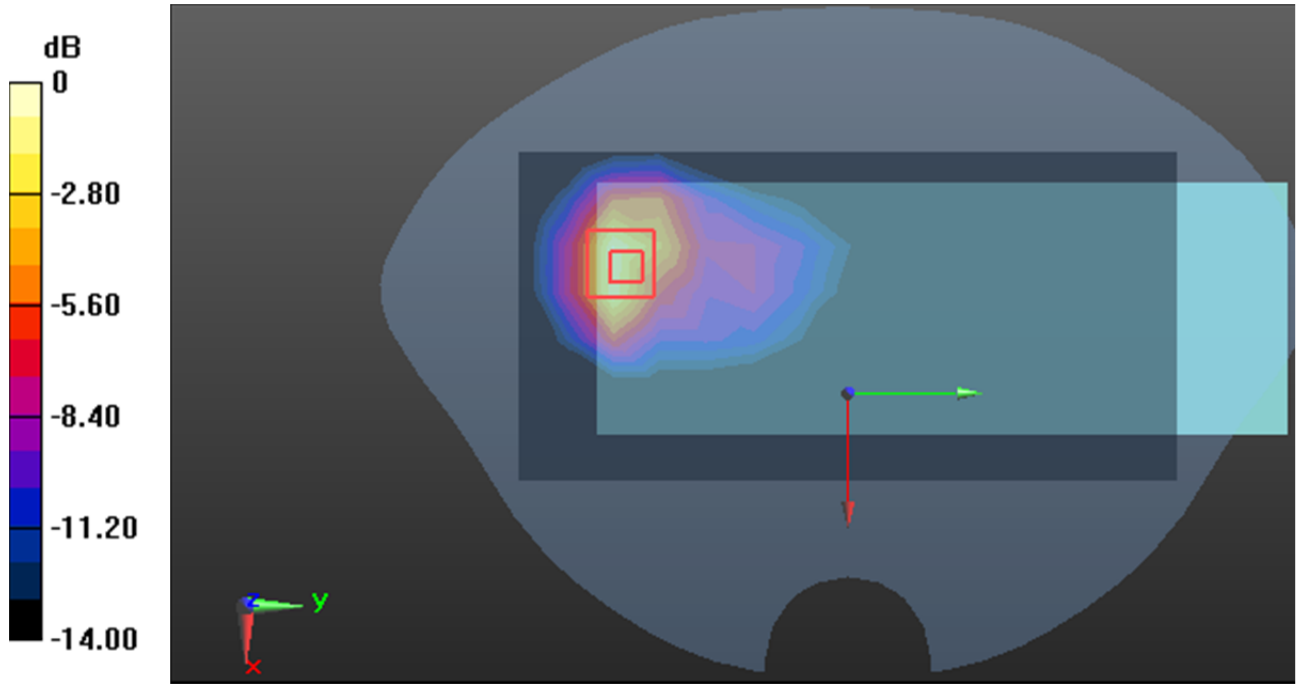
Communication System: Generic GSM (0); Frequency: 1880 MHz;Duty Cycle: 1:8
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.301 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.136 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.669 W/kg
SAR(1 g) = 0.349 W/kg; SAR(10 g) = 0.170 W/kg
Maximum value of SAR (measured) = 0.371 W/kg



0 dB = 0.371 W/kg = -4.31 dB dBW/kg

Test Plot11#: PCS 1900_Body Worn Back_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

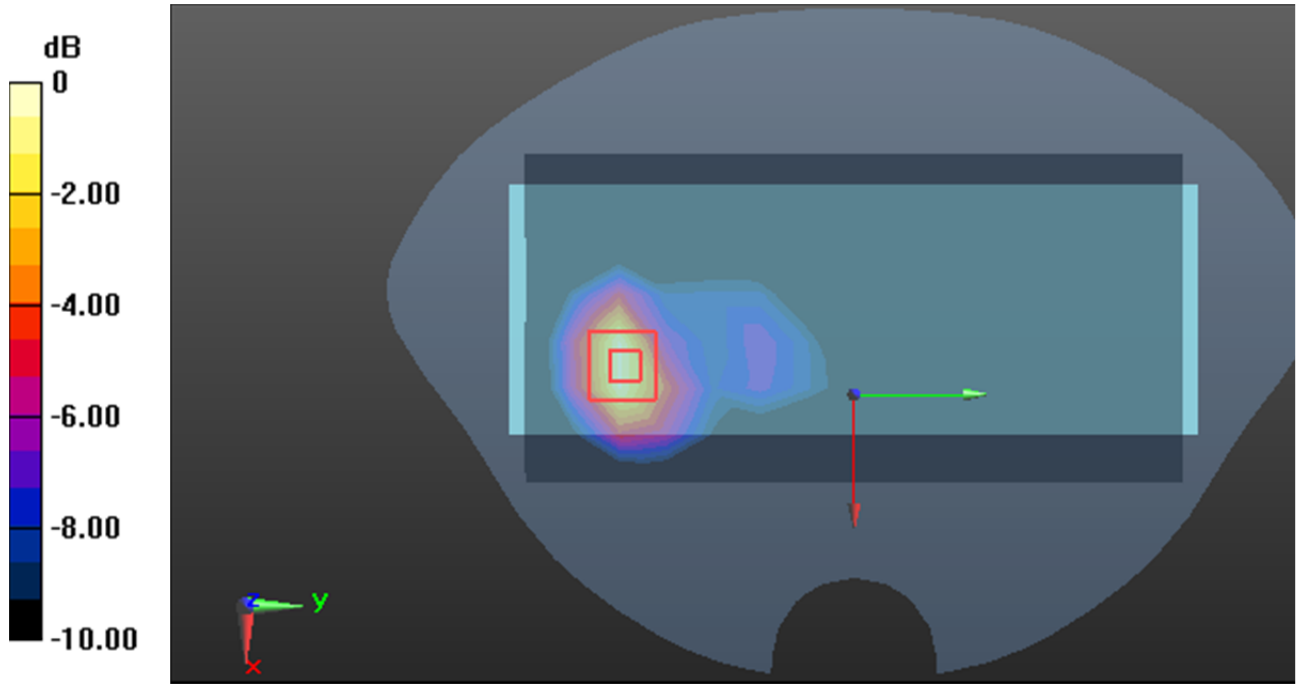
Communication System: Generic GSM (0); Frequency: 1880 MHz;Duty Cycle: 1:8
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.150 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.806 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.272 W/kg
SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.082 W/kg
Maximum value of SAR (measured) = 0.169 W/kg



0 dB = 0.169 W/kg = -7.72 dB dBW/kg

Test Plot12#: PCS 1900_Body Front_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

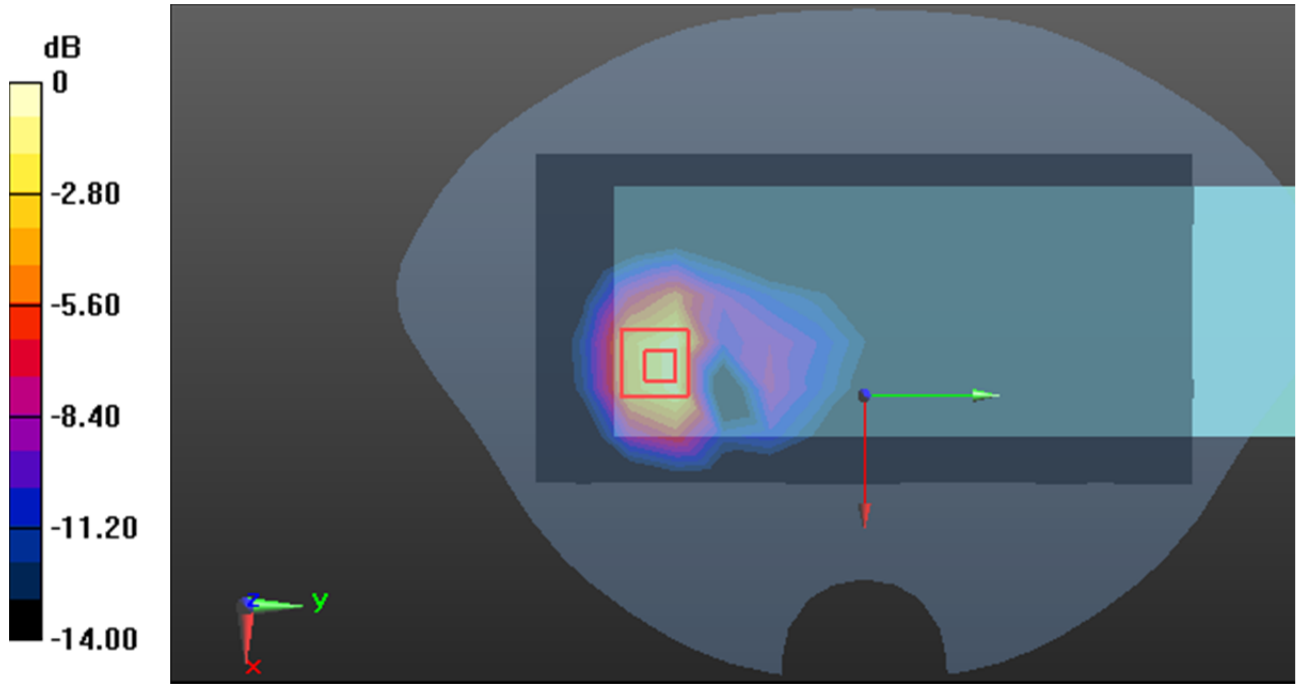
Communication System: Generic GPRS-2 slots (0); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.374 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.478 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.873 W/kg
SAR(1 g) = 0.447 W/kg; SAR(10 g) = 0.215 W/kg
Maximum value of SAR (measured) = 0.494 W/kg



0 dB = 0.494 W/kg = -3.06 dB dBW/kg

Test Plot13#: PCS 1900_Body Back_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

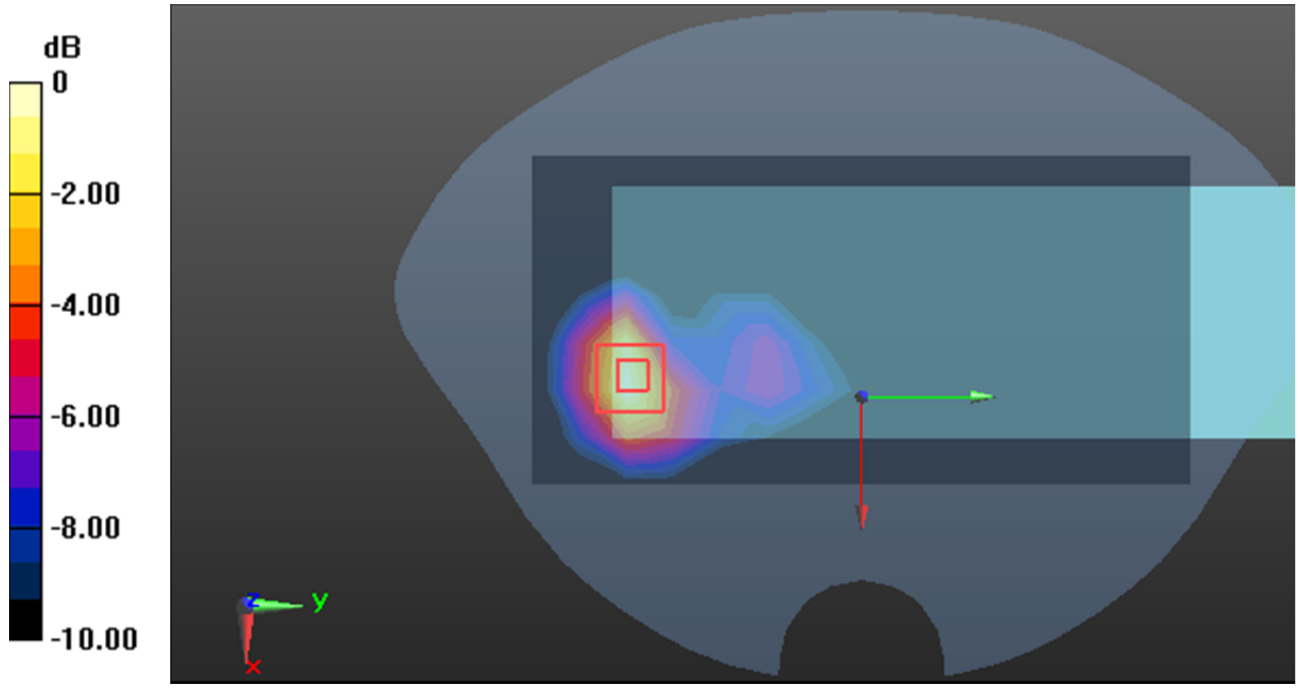
Communication System: Generic GPRS-2 slots (0); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.205 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.397 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.342 W/kg
SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.103 W/kg
Maximum value of SAR (measured) = 0.209 W/kg



0 dB = 0.209 W/kg = -6.80 dB dBW/kg

Test Plot14#: PCS 1900_Body Left_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

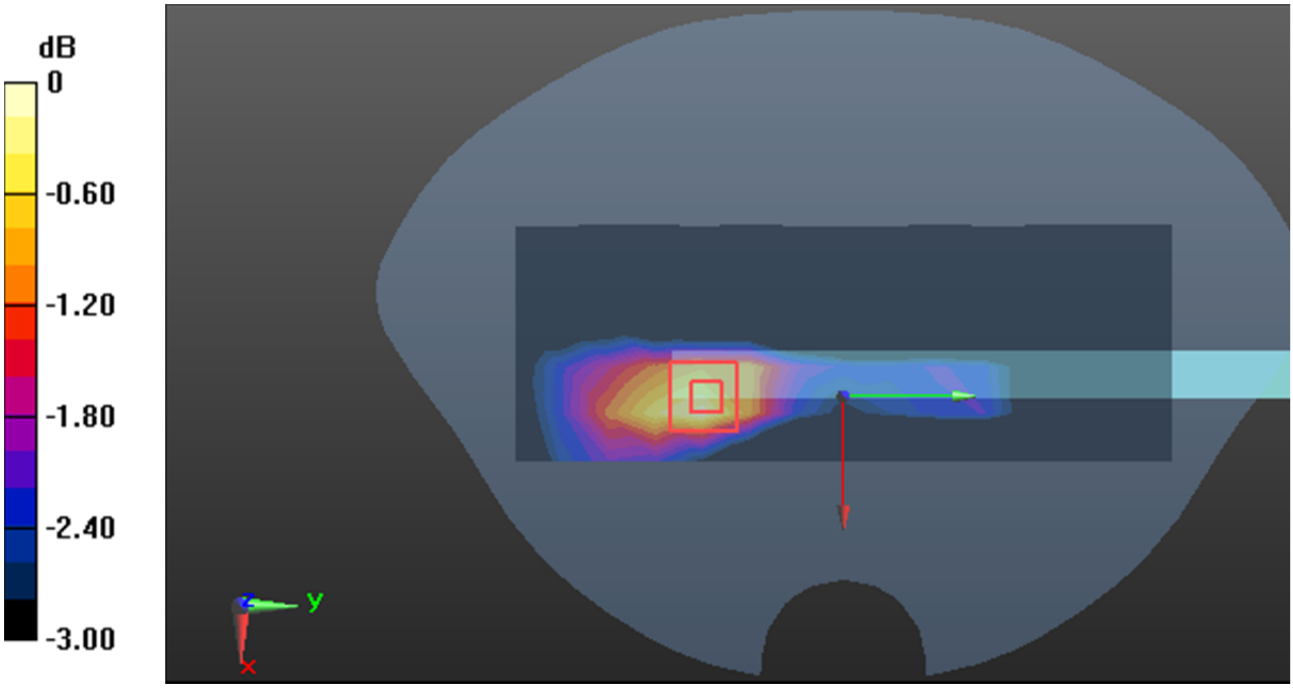
Communication System: Generic GPRS-2 slots (0); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0417 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.907 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.0660 W/kg
SAR(1 g) = 0.039 W/kg; SAR(10 g) = 0.023 W/kg
Maximum value of SAR (measured) = 0.0424 W/kg



0 dB = 0.0424 W/kg = -13.73 dB dBW/kg

Test Plot15#: PCS 1900_Body Right_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

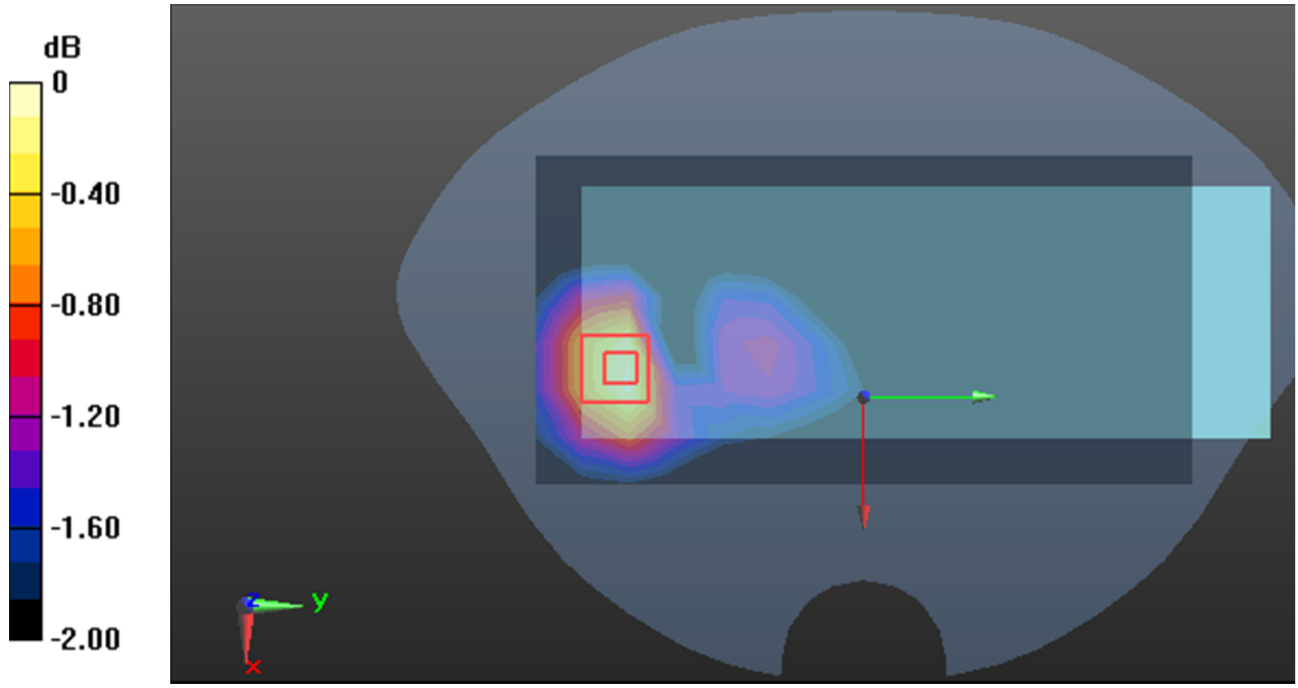
Communication System: Generic GPRS-2 slots (0); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.00585 W/kg

Zoom Scan (6x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.393 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.0100 W/kg
SAR(1 g) = 0.00503 W/kg; SAR(10 g) = 0.00239 W/kg
Maximum value of SAR (measured) = 0.00566 W/kg



0 dB = 0.00566 W/kg = -22.47 dB dBW/kg

Test Plot16#: PCS 1900_Body Bottom_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

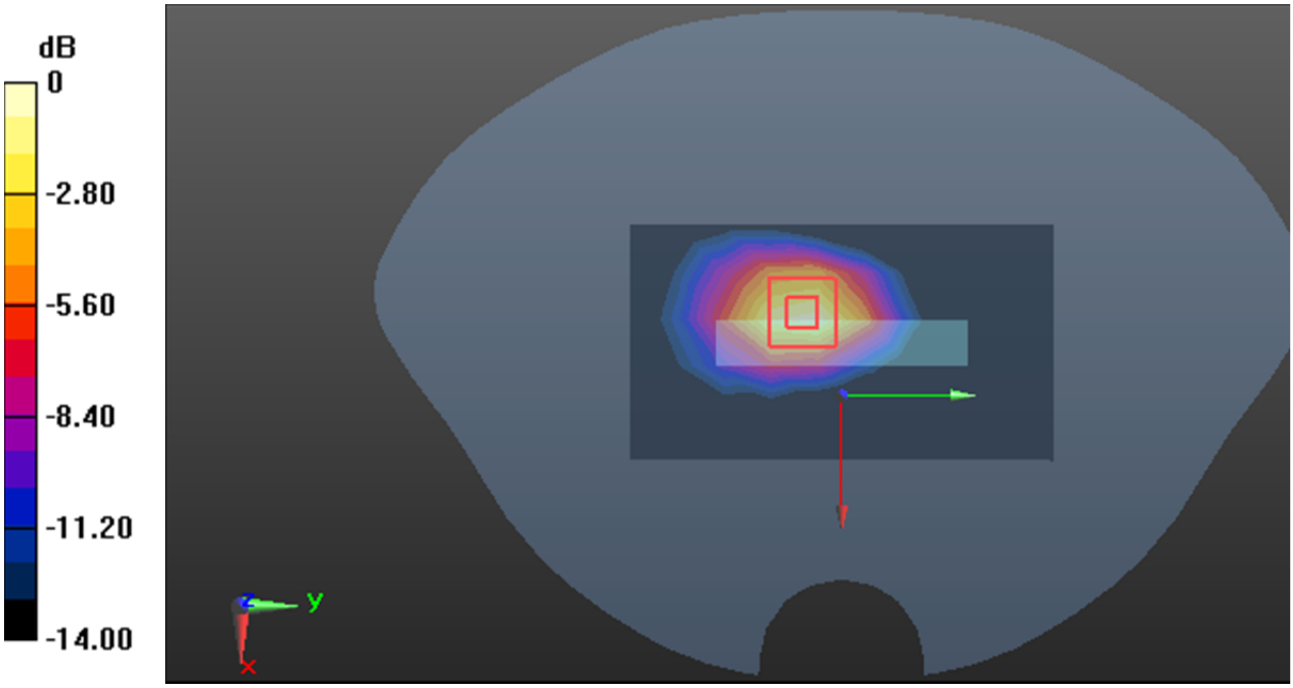
Communication System: Generic GPRS-2 slots (0); Frequency: 1880 MHz;Duty Cycle: 1:4
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.365 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.54 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.625 W/kg
SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.186 W/kg
Maximum value of SAR (measured) = 0.395 W/kg



0 dB = 0.395 W/kg = -4.03 dB dBW/kg

Plot 17#: WCDMA Band 2 Mid _ Head Flat

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

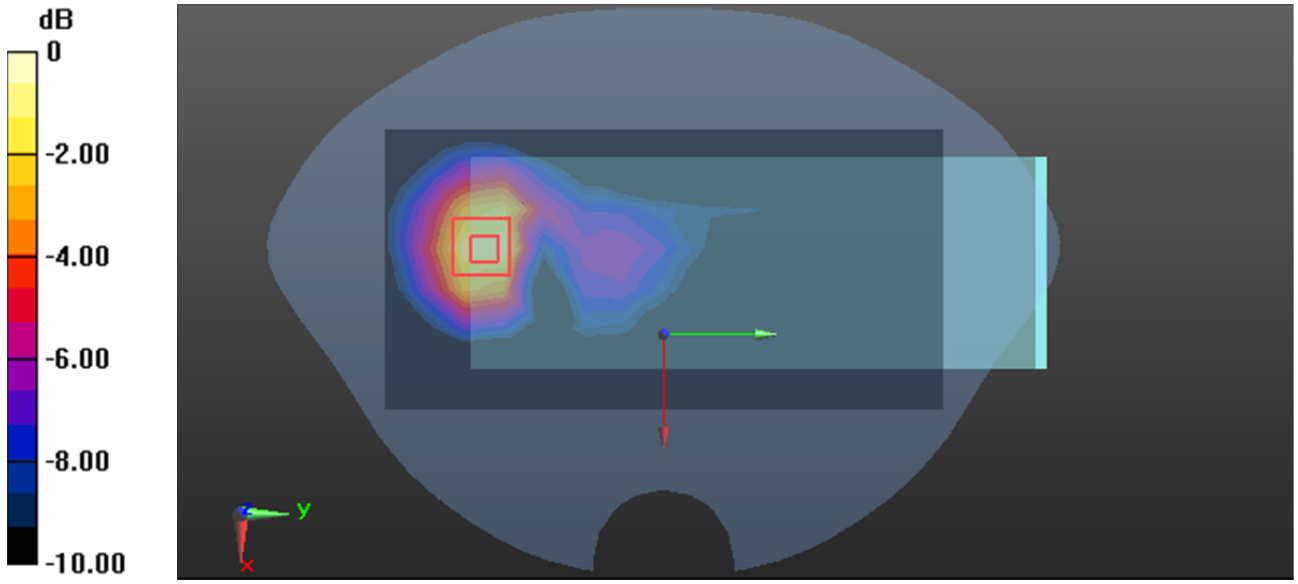
Communication System: Generic WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0694 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.997 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.130 W/kg
SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.044 W/kg
Maximum value of SAR (measured) = 0.0848 W/kg



0 dB = 0.0848 W/kg = -10.72 dBW/kg

Test Plot18#: WCDMA Band 2_Body Front_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

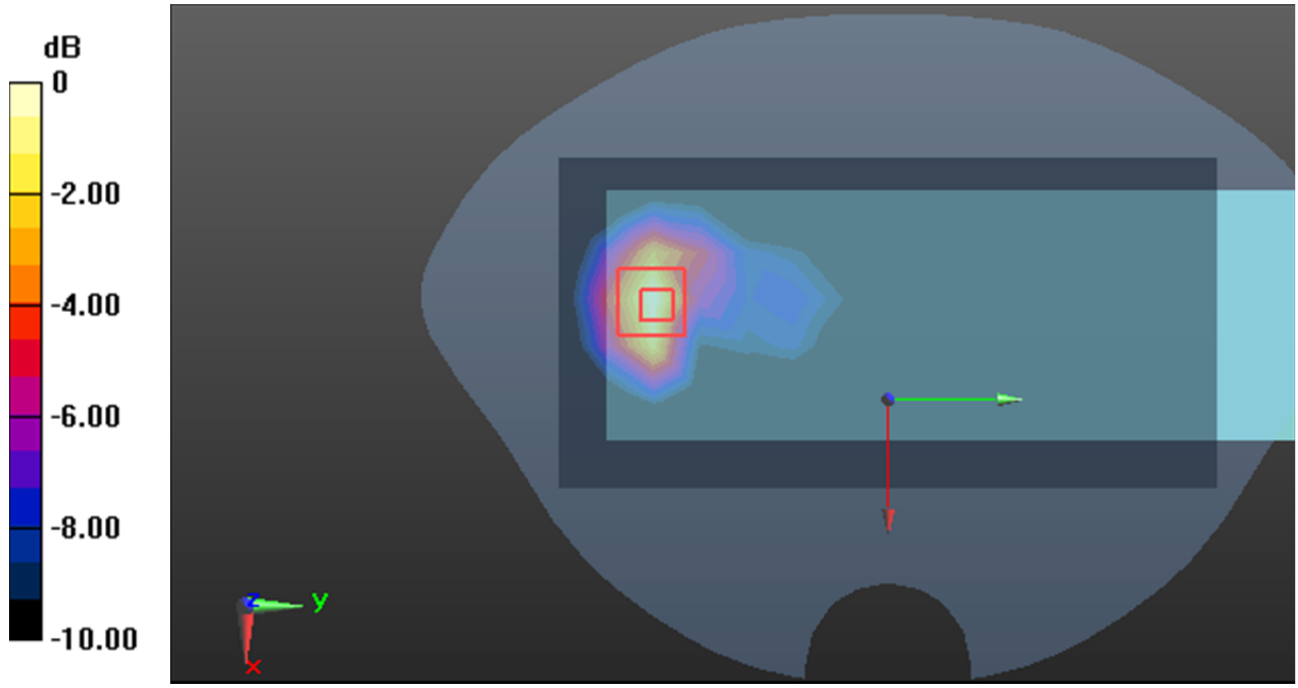
Communication System: Generic WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.244 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.480 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.410 W/kg
SAR(1 g) = 0.224 W/kg; SAR(10 g) = 0.115 W/kg
Maximum value of SAR (measured) = 0.238 W/kg



0 dB = 0.238 W/kg = -6.23 dB dBW/kg

Test Plot19#: WCDMA Band 2_Body Back_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

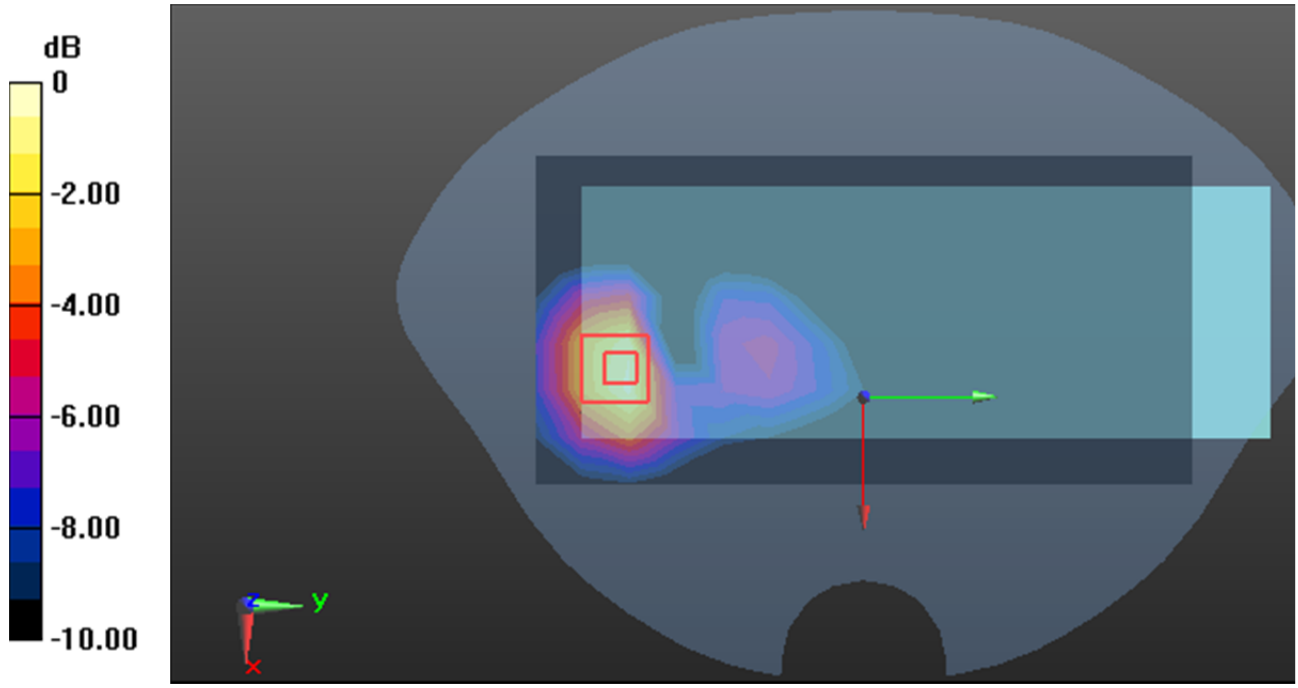
Communication System: Generic WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.119 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.009 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.202 W/kg
SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.065 W/kg
Maximum value of SAR (measured) = 0.130 W/kg



0 dB = 0.130 W/kg = -8.86 dB dBW/kg

Test Plot20#: WCDMA Band 2_Body Left_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

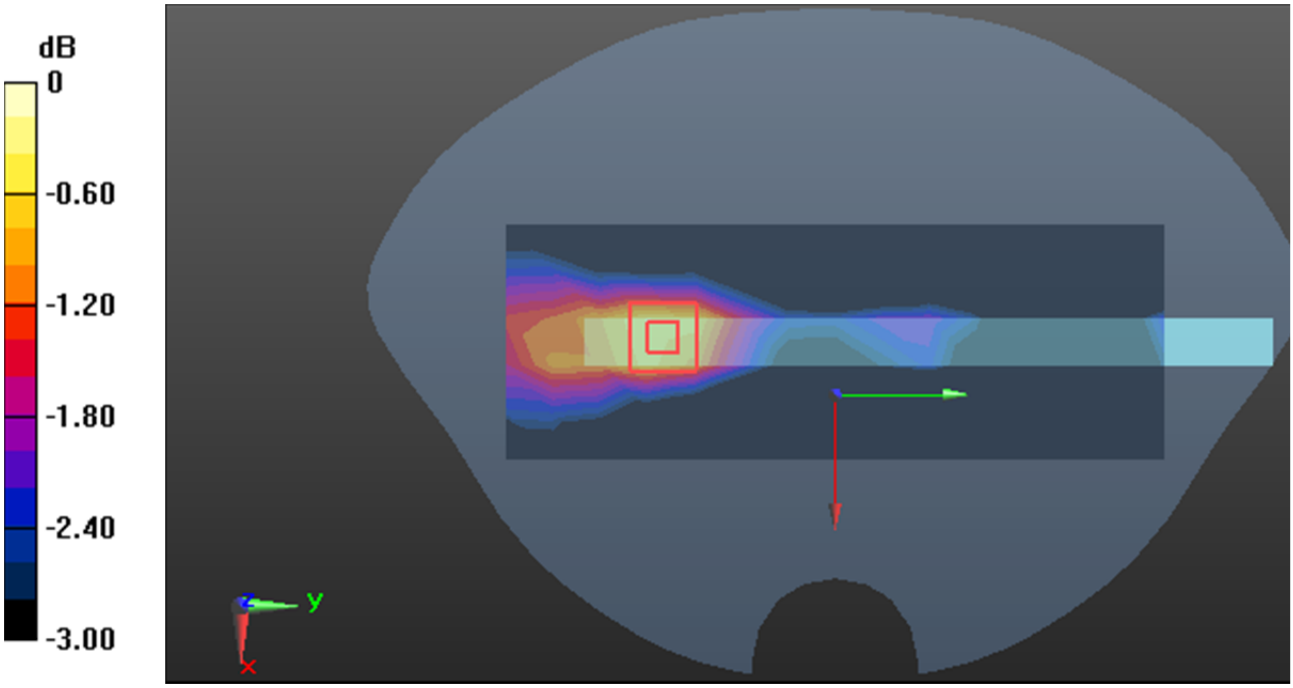
Communication System: Generic WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0242 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.659 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.0410 W/kg
SAR(1 g) = 0.024 W/kg; SAR(10 g) = 0.015 W/kg
Maximum value of SAR (measured) = 0.0264 W/kg



0 dB = 0.0264 W/kg = -15.78 dB dBW/kg

Test Plot21#: WCDMA Band 2_Body Right_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

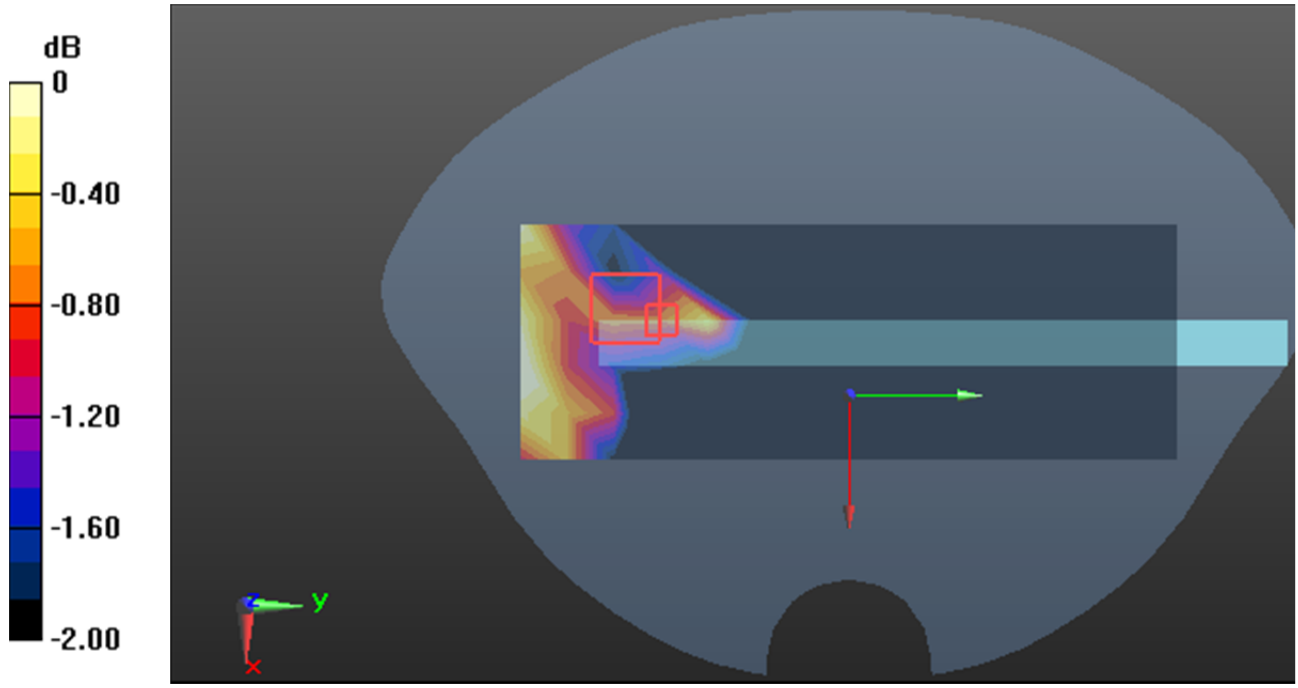
Communication System: Generic WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.00511 W/kg

Zoom Scan (7x9x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0.9270 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.0130 W/kg
SAR(1 g) = 0.0044 W/kg; SAR(10 g) = 0.00211 W/kg
Maximum value of SAR (measured) = 0.00496 W/kg



0 dB = 0.00496 W/kg = -23.05 dB dBW/kg

Test Plot22#: WCDMA Band 2_Body Bottom_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

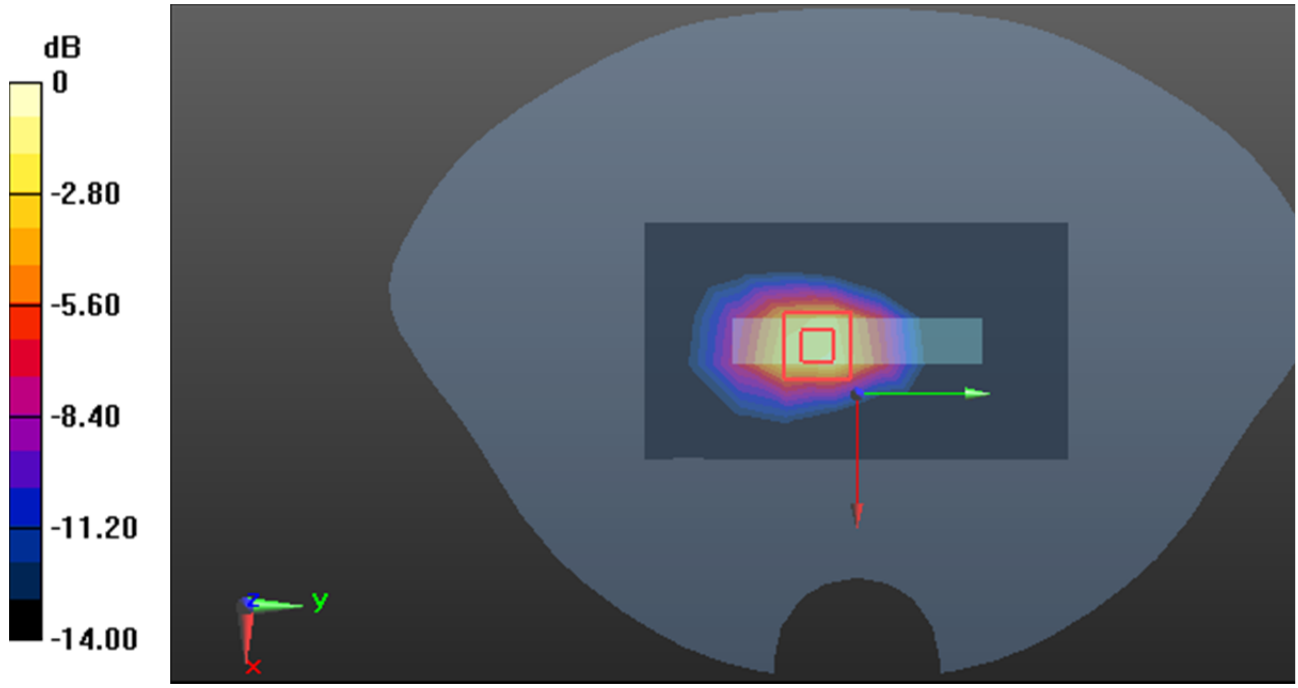
Communication System: Generic WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.326 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.95 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.756 W/kg
SAR(1 g) = 0.414 W/kg; SAR(10 g) = 0.208 W/kg
Maximum value of SAR (measured) = 0.467 W/kg



0 dB = 0.467 W/kg = -3.31 dB dBW/kg

Plot 23#: WCDMA Band 5 Mid _ Head Flat

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

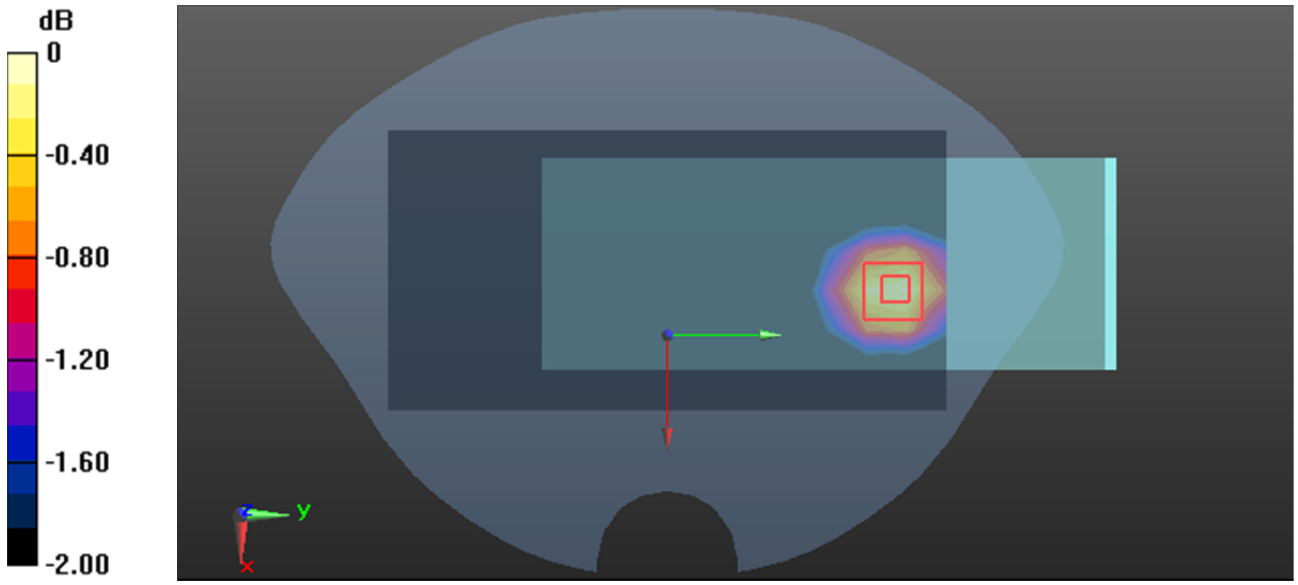
Communication System: Generic WCDMA (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f =836.6 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.6 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0203 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.302 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.0260 W/kg
SAR(1 g) = 0.020 W/kg; SAR(10 g) = 0.014 W/kg
Maximum value of SAR (measured) = 0.0208 W/kg



0 dB = 0.0208 W/kg = -16.82 dBW/kg

Test Plot24#: WCDMA Band 5_Body Front_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

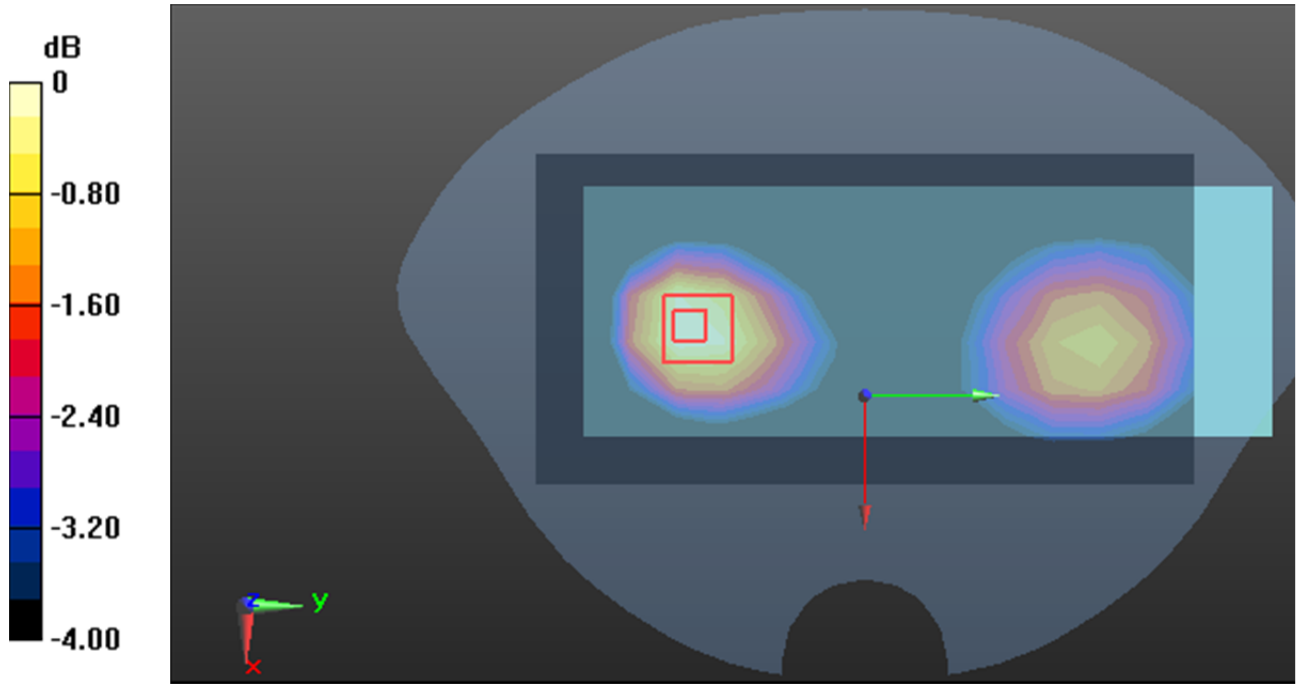
Communication System: Generic WCDMA (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f =836.6 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.6 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0307 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.475 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.0430 W/kg
SAR(1 g) = 0.030 W/kg; SAR(10 g) = 0.020 W/kg
Maximum value of SAR (measured) = 0.0315 W/kg



0 dB = 0.0315 W/kg = -15.02 dB dBW/kg

Test Plot25#: WCDMA Band 5_Body Back_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

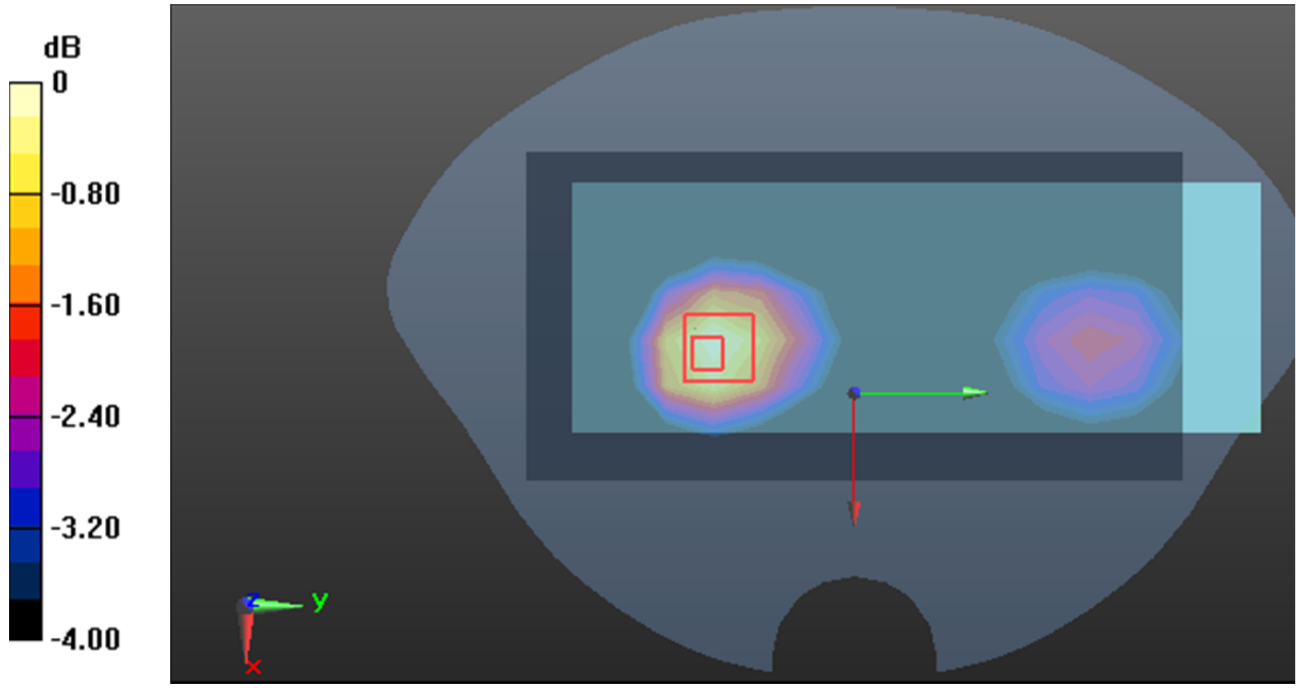
Communication System: Generic WCDMA (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f =836.6 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.6 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0330 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.834 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.0450 W/kg
SAR(1 g) = 0.031 W/kg; SAR(10 g) = 0.021 W/kg
Maximum value of SAR (measured) = 0.0331 W/kg



0 dB = 0.0331 W/kg = -14.80 dB dBW/kg

Test Plot26#: WCDMA Band 5_Body Left_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

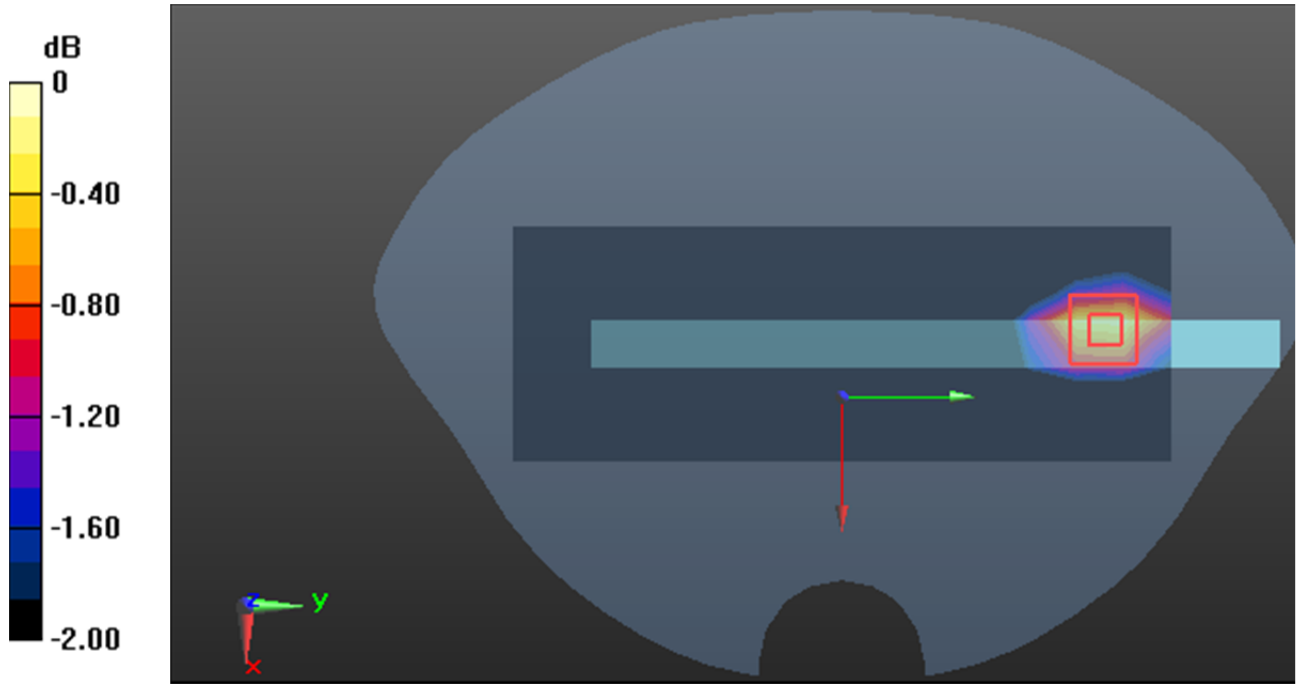
Communication System: Generic WCDMA (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f =836.6 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.6 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0165 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.586 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.0220 W/kg
SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.011 W/kg
Maximum value of SAR (measured) = 0.0171 W/kg



0 dB = 0.0171 W/kg = -17.67 dB dBW/kg

Test Plot27#: WCDMA Band 5_Body Right_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

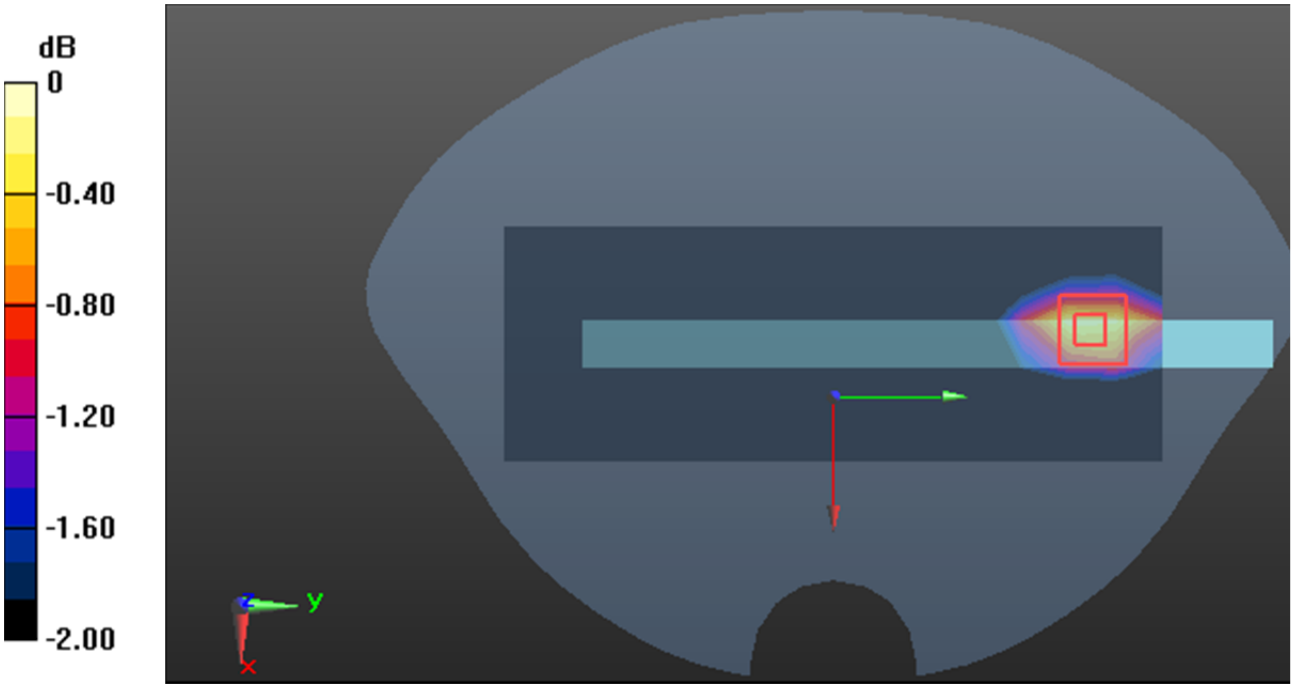
Communication System: Generic WCDMA (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f =836.6 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.6 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0150 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.790 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.0210 W/kg
SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.00997 W/kg
Maximum value of SAR (measured) = 0.0156 W/kg



0 dB = 0.0156 W/kg = -18.07 dB dBW/kg

Test Plot28#: WCDMA Band 5_Body Bottom_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

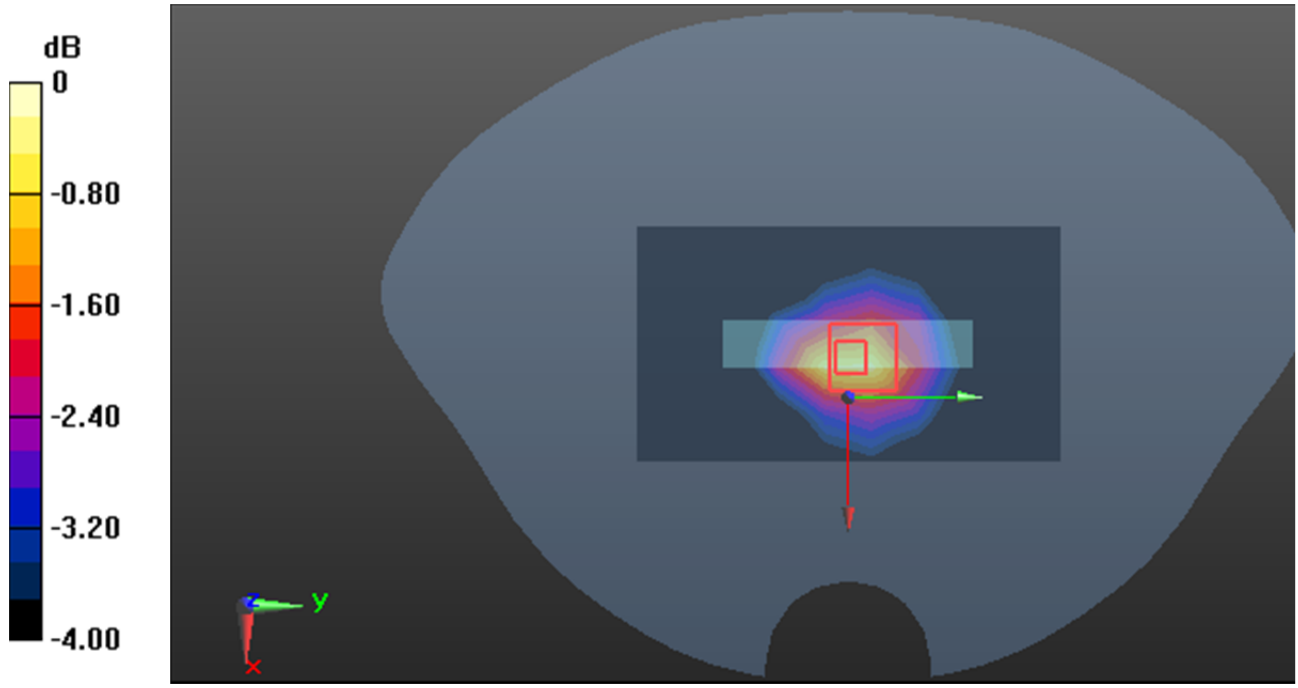
Communication System: Generic WCDMA (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f =836.6 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.6 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.00989 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.430 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.0170 W/kg
SAR(1 g) = 0.00978 W/kg; SAR(10 g) = 0.00579 W/kg
Maximum value of SAR (measured) = 0.0108 W/kg



0 dB = 0.0108 W/kg = -19.67 dB dBW/kg

Plot 29#: LTE Band 2 1RB Mid _ Head Flat

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

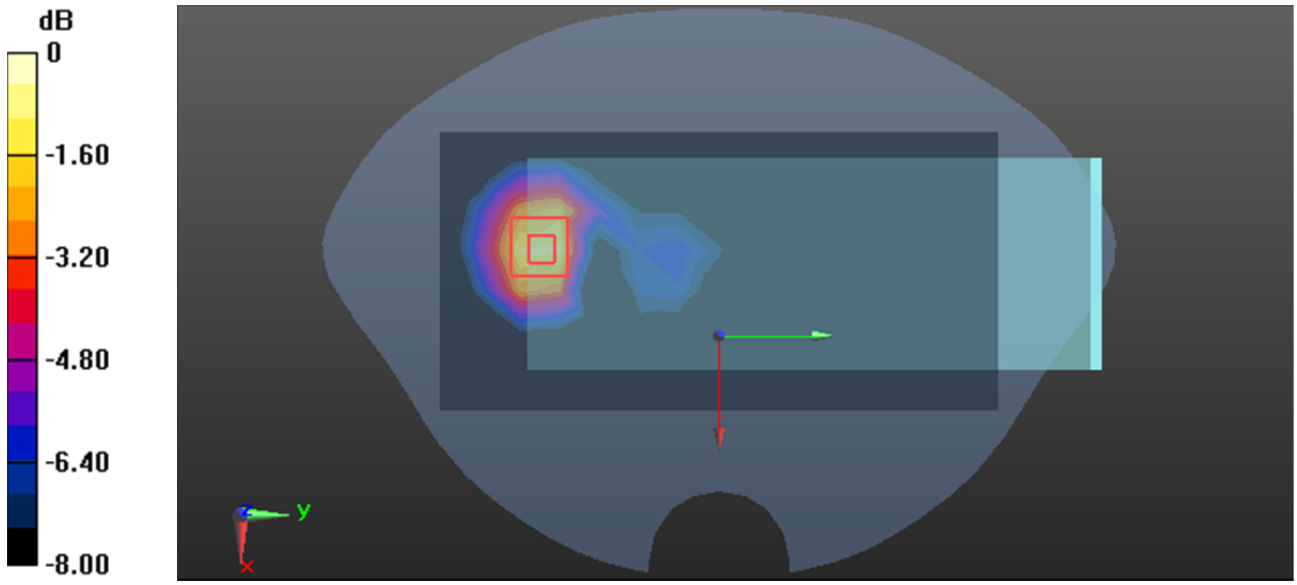
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0615 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.801 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.114 W/kg
SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.039 W/kg
Maximum value of SAR (measured) = 0.0754 W/kg



0 dB = 0.0754 W/kg = -11.23 dBW/kg

Plot 30#: LTE Band 2 50%RB Mid _ Head Flat

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

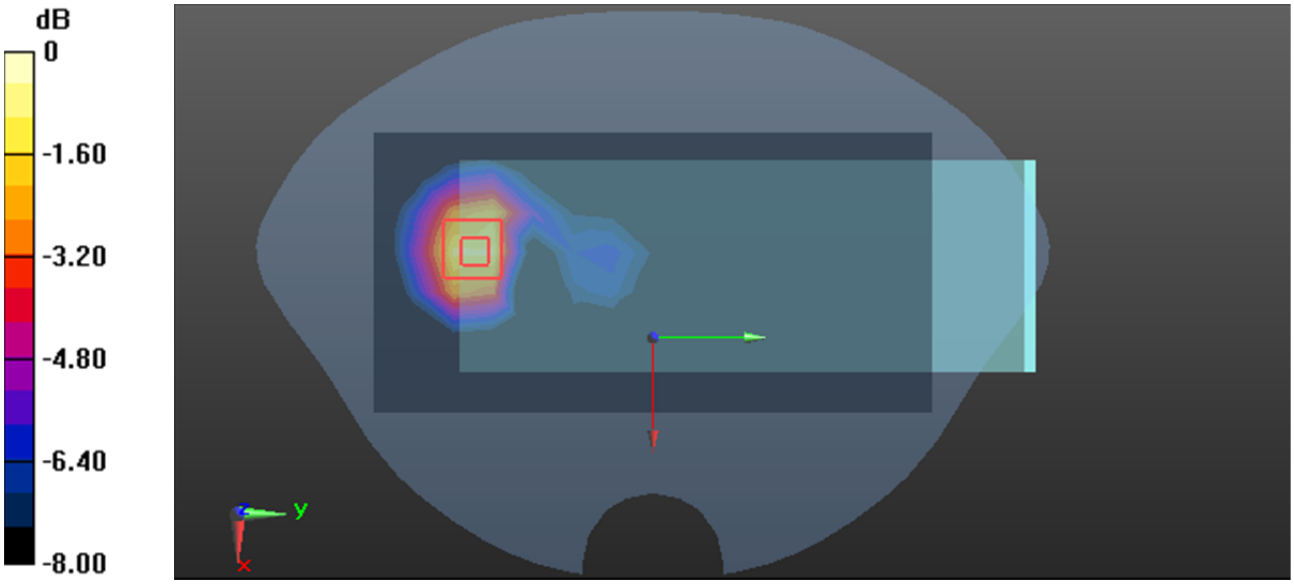
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0502 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.503 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.0920 W/kg
SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.032 W/kg
Maximum value of SAR (measured) = 0.0615 W/kg



0 dB = 0.0615 W/kg = -12.11 dBW/kg

Test Plot31#: LTE Band 2_Body Front_1RB_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

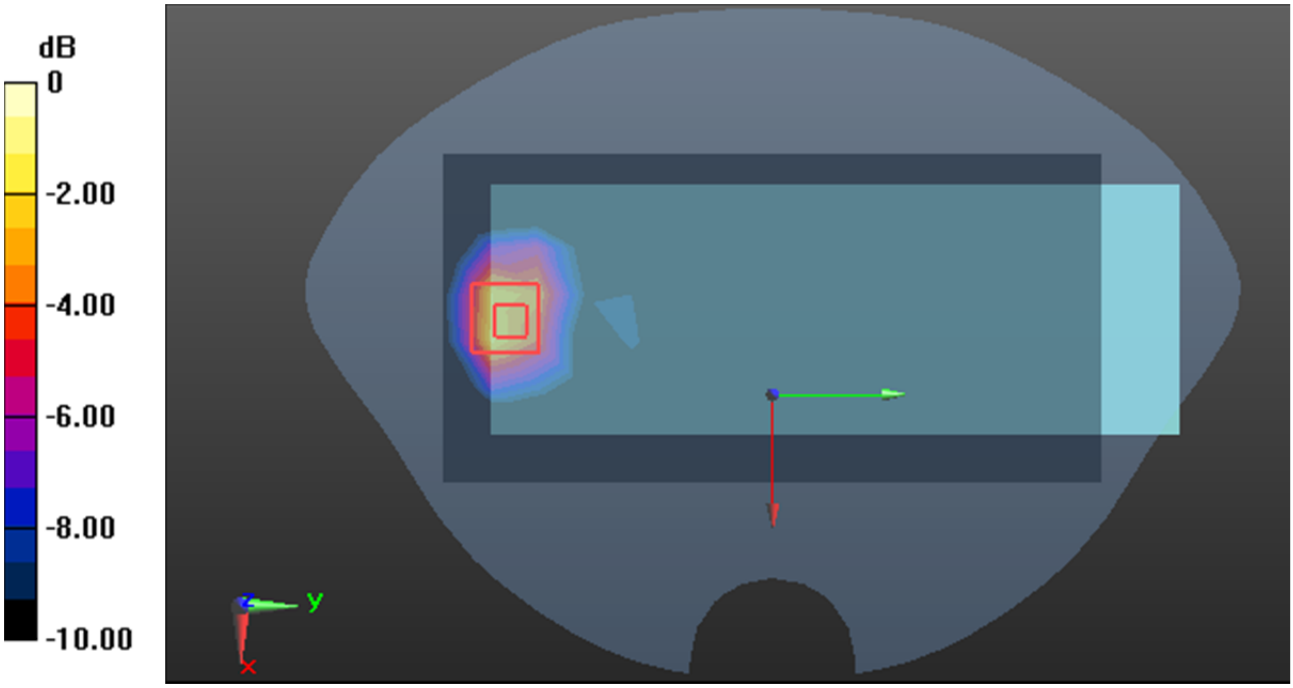
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.291 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.275 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 0.790 W/kg
SAR(1 g) = 0.402 W/kg; SAR(10 g) = 0.194 W/kg
Maximum value of SAR (measured) = 0.439 W/kg



0 dB = 0.439 W/kg = -3.58 dB dBW/kg

Test Plot32#: LTE Band 2_Body Front_50%RB_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

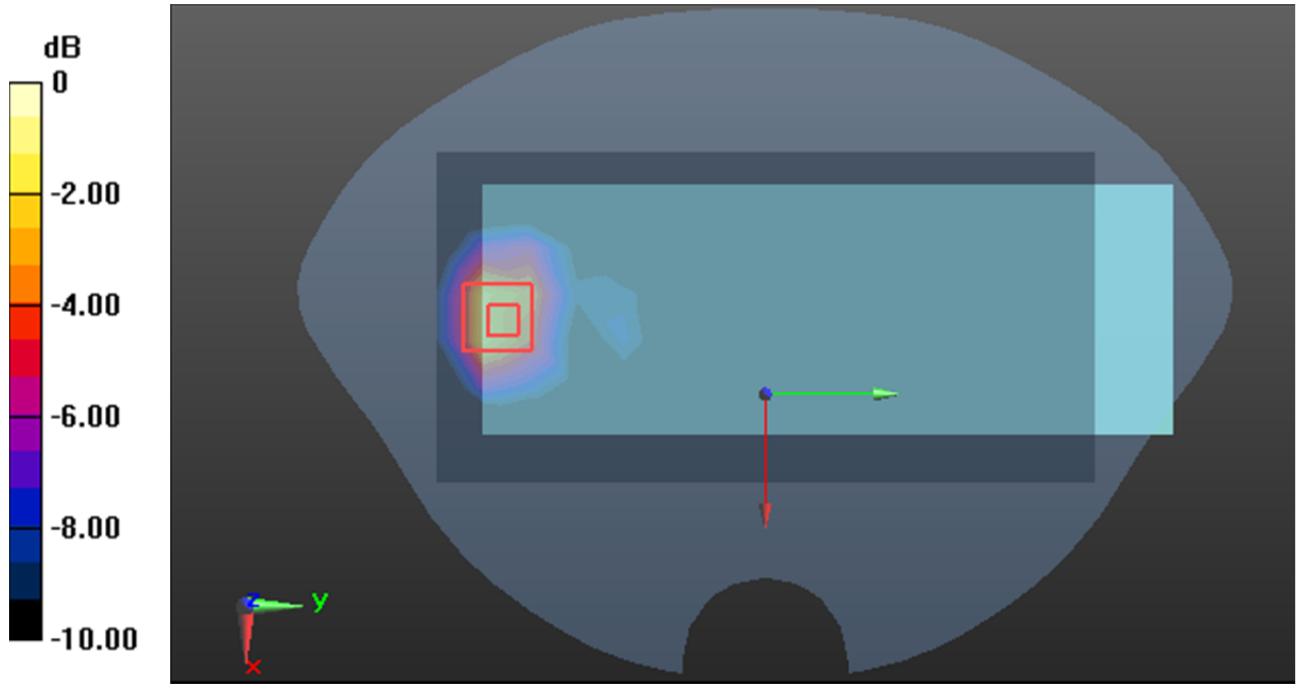
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.229 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.156 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.575 W/kg
SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.144 W/kg
Maximum value of SAR (measured) = 0.324 W/kg



0 dB = 0.324 W/kg = -4.89 dB dBW/kg

Test Plot33#: LTE Band 2_Body Back_1RB_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

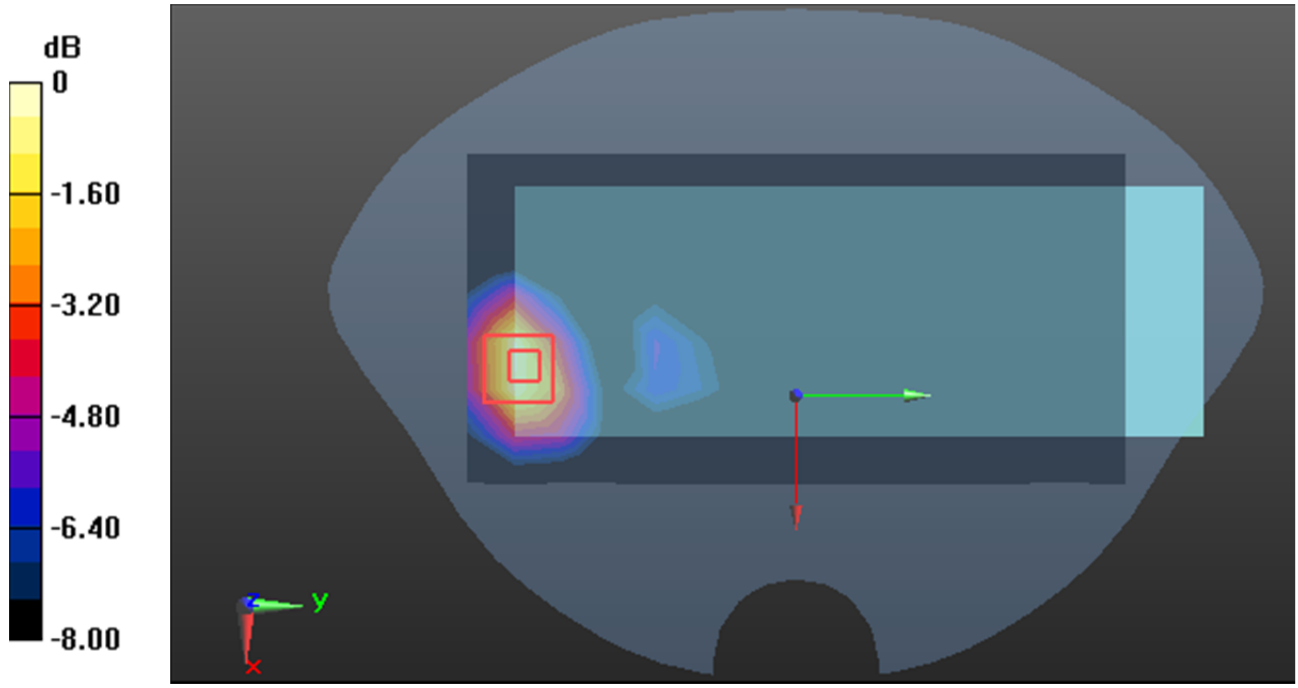
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.118 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.252 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.204 W/kg
SAR(1 g) = 0.119 W/kg; SAR(10 g) = 0.065 W/kg
Maximum value of SAR (measured) = 0.130 W/kg



0 dB = 0.130 W/kg = -8.86 dB dBW/kg

Test Plot34#: LTE Band 2_Body Back_50%RB_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

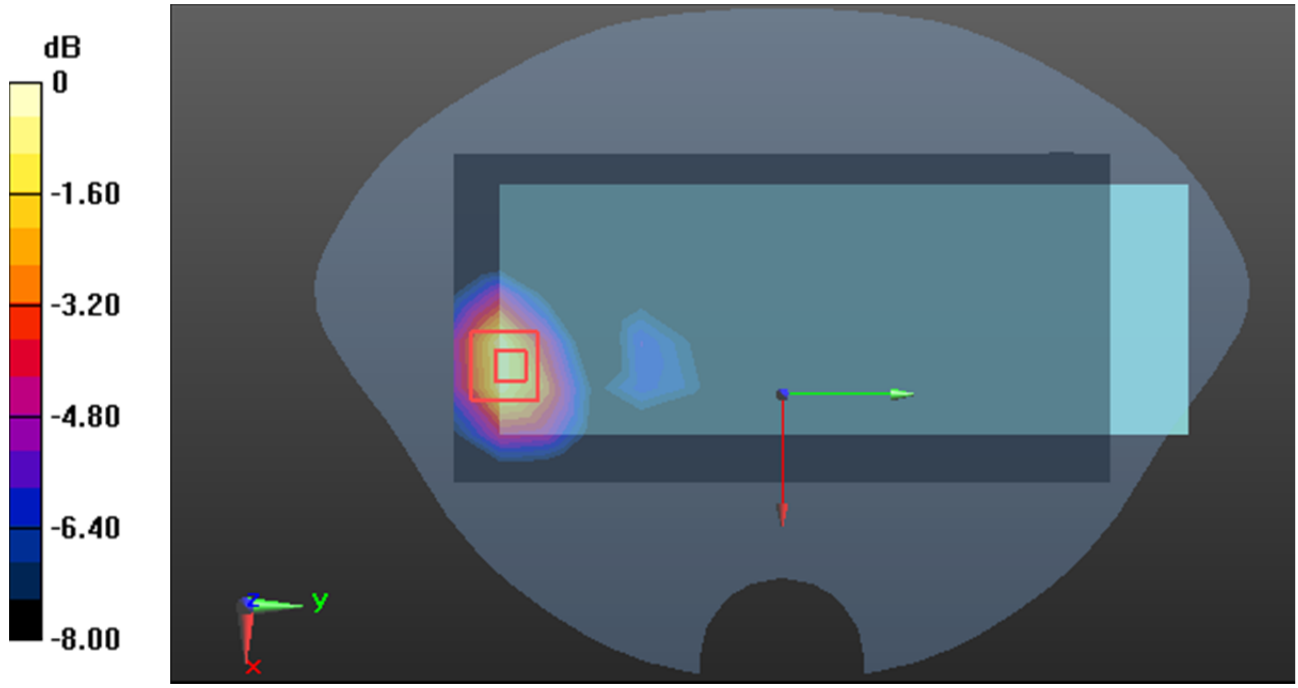
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0954 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.173 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.175 W/kg
SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.056 W/kg
Maximum value of SAR (measured) = 0.109 W/kg



0 dB = 0.109 W/kg = -9.63 dB dBW/kg

Test Plot35#: LTE Band 2_Body Left_1RB_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

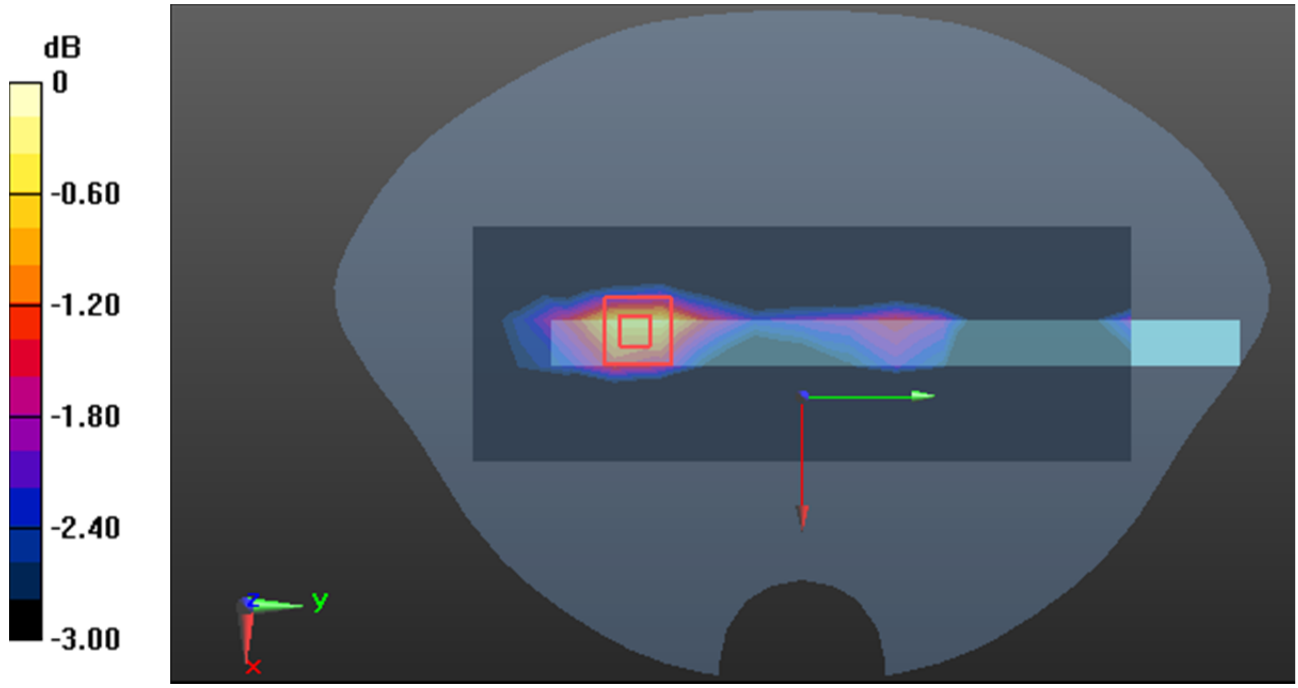
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0340 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.108 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.0560 W/kg
SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.020 W/kg
Maximum value of SAR (measured) = 0.0369 W/kg



0 dB = 0.0369 W/kg = -14.33 dB dBW/kg

Test Plot36#: LTE Band 2_Body Left_50%RB_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

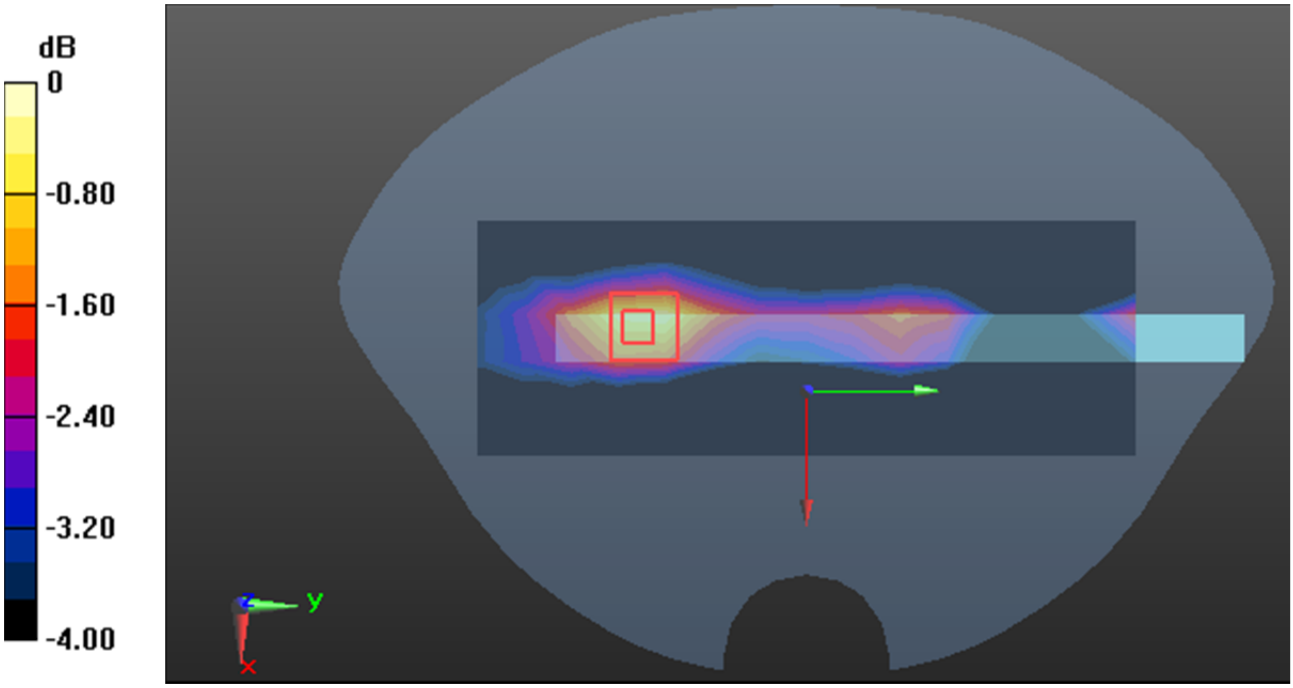
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0288 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.747 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.0480 W/kg
SAR(1 g) = 0.028 W/kg; SAR(10 g) = 0.017 W/kg
Maximum value of SAR (measured) = 0.0306 W/kg



0 dB = 0.0306 W/kg = -15.14 dB dBW/kg

Test Plot37#: LTE Band 2_Body Right_1RB_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

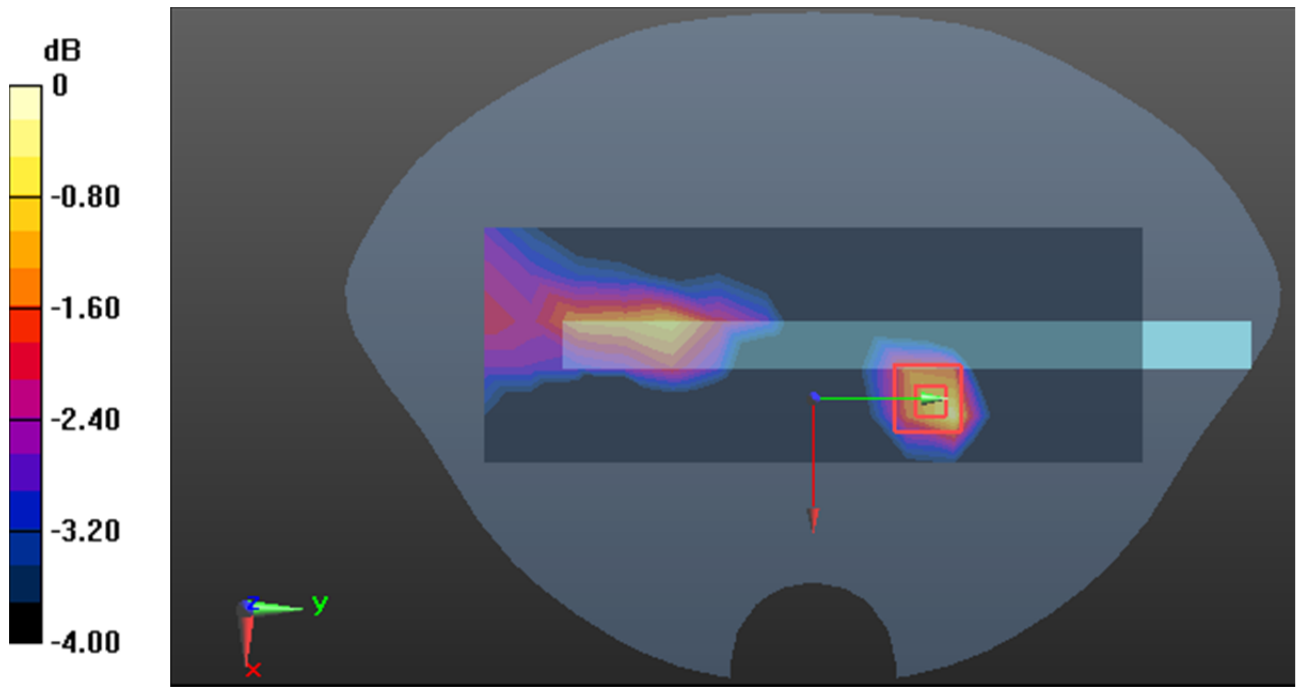
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.00691 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.419 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.0130 W/kg
SAR(1 g) = 0.00665 W/kg; SAR(10 g) = 0.00342 W/kg
Maximum value of SAR (measured) = 0.00742 W/kg



0 dB = 0.00742 W/kg = -21.30 dB dBW/kg

Test Plot38#: LTE Band 2_Body Right_50%RB_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

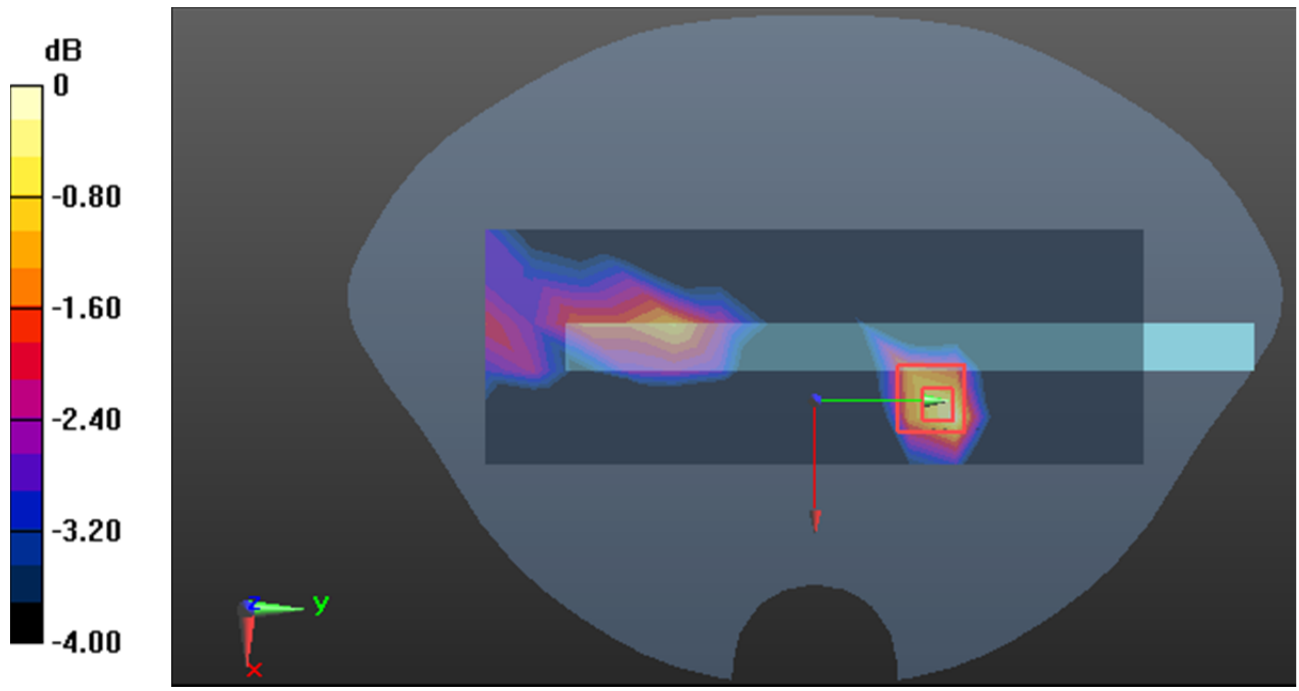
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.00584 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 1.153 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.00852 W/kg
SAR(1 g) = 0.0052 W/kg; SAR(10 g) = 0.00265 W/kg
Maximum value of SAR (measured) = 0.00598 W/kg



0 dB = 0.00598 W/kg = -22.23 dB dBW/kg

Test Plot39#: LTE Band 2_Body Bottom_1RB_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

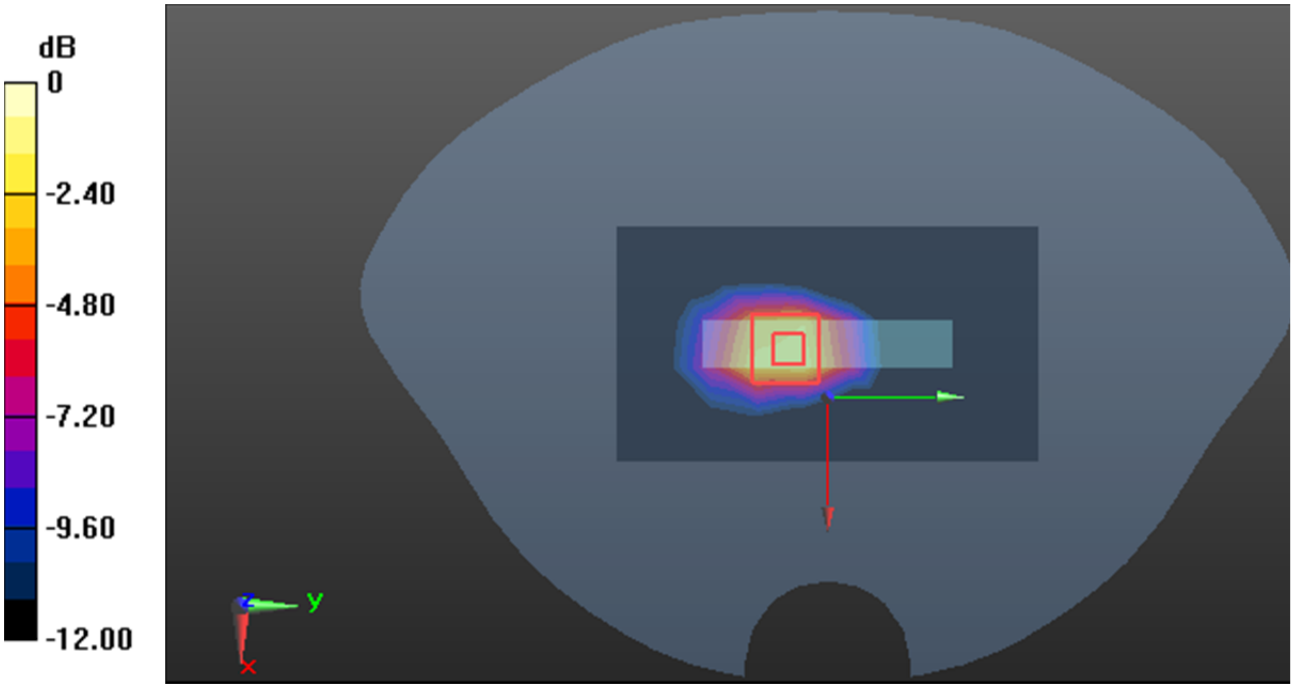
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.285 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.79 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.657 W/kg
SAR(1 g) = 0.364 W/kg; SAR(10 g) = 0.184 W/kg
Maximum value of SAR (measured) = 0.411 W/kg



0 dB = 0.411 W/kg = -3.86 dB dBW/kg

Test Plot40#: LTE Band 2_Body Bottom_50%RB_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

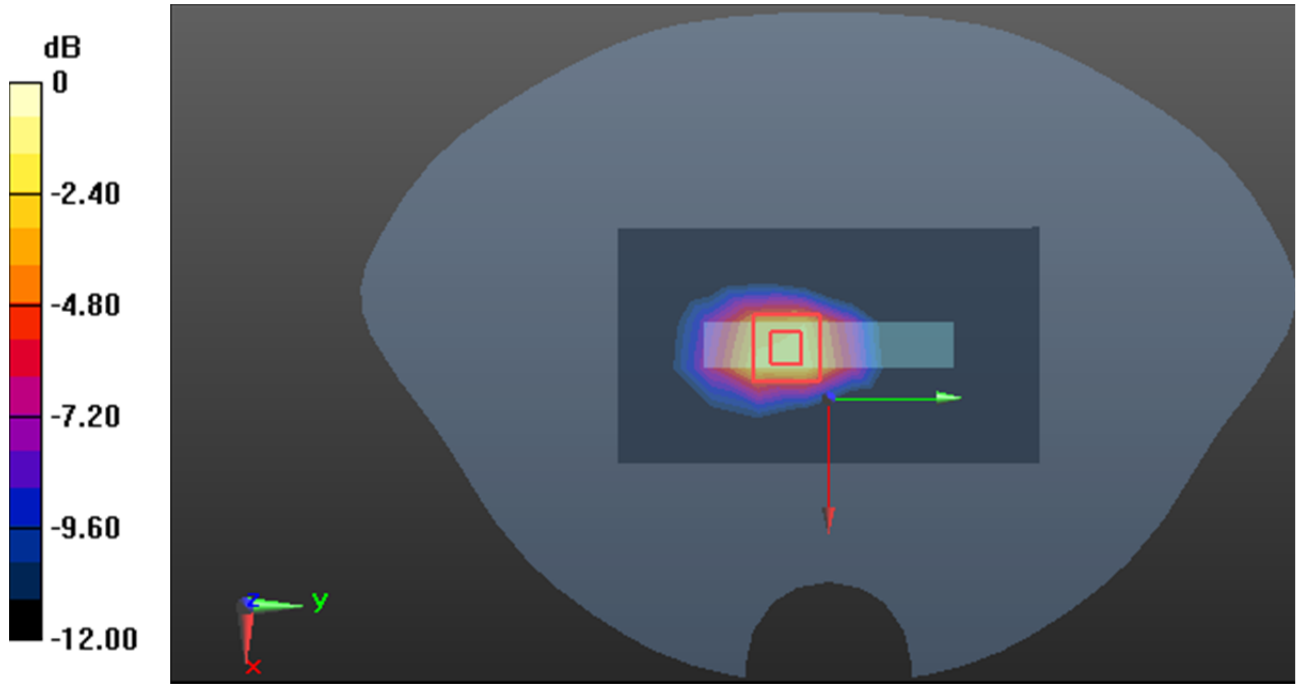
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f =1880 MHz; σ = 1.403 S/m; ε_r = 40.228; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.231 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.40 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.535 W/kg
SAR(1 g) = 0.297 W/kg; SAR(10 g) = 0.150 W/kg
Maximum value of SAR (measured) = 0.332 W/kg



0 dB = 0.332 W/kg = -4.79 dB dBW/kg

Plot 41#: LTE Band 5 1RB Mid _ Head Flat

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

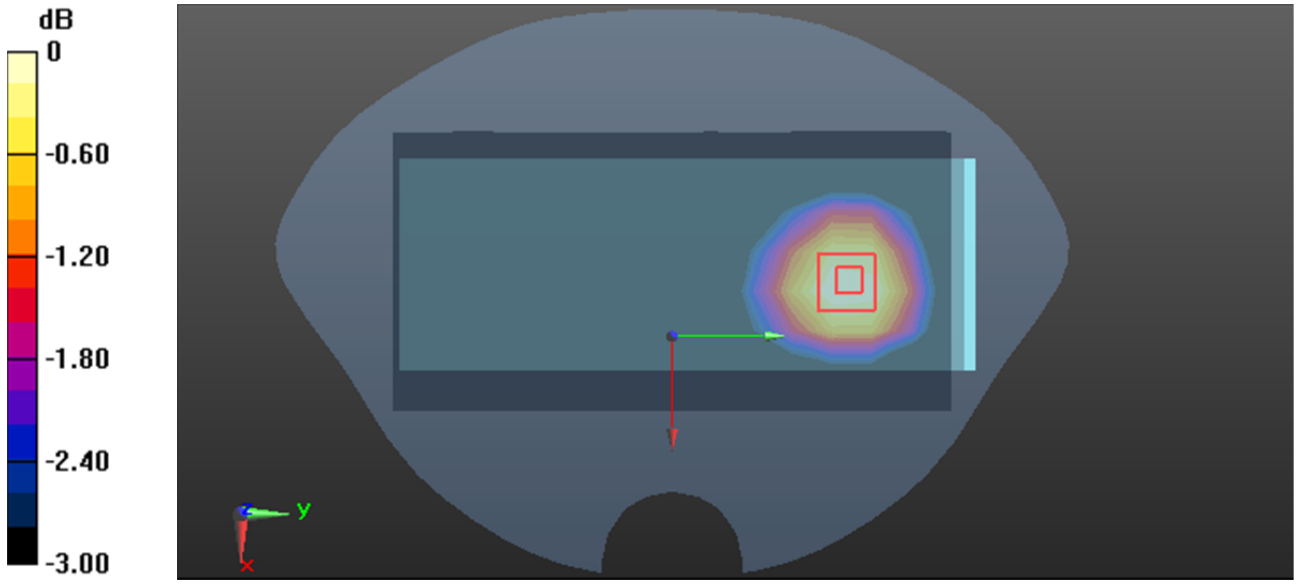
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f =836.5 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.5 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0203 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.231 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.0260 W/kg
SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.014 W/kg
Maximum value of SAR (measured) = 0.0200 W/kg



0 dB = 0.0200 W/kg = -16.99 dBW/kg

Plot 42#: LTE Band 5 50%RB Mid _ Head Flat

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

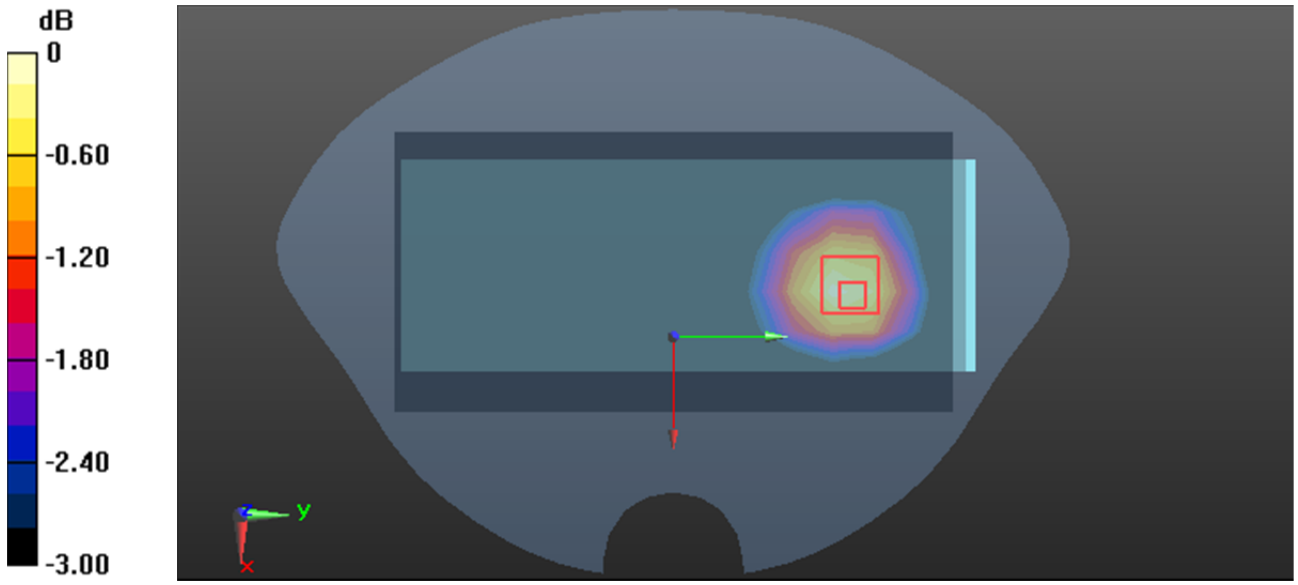
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f =836.5 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.5 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 0.0207 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.243 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.0260 W/kg
SAR(1 g) = 0.019 W/kg; SAR(10 g) = 0.014 W/kg
Maximum value of SAR (measured) = 0.0211 W/kg



0 dB = 0.0211 W/kg = -16.76 dBW/kg

Test Plot43#: LTE Band 5_Body Front_1RB_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

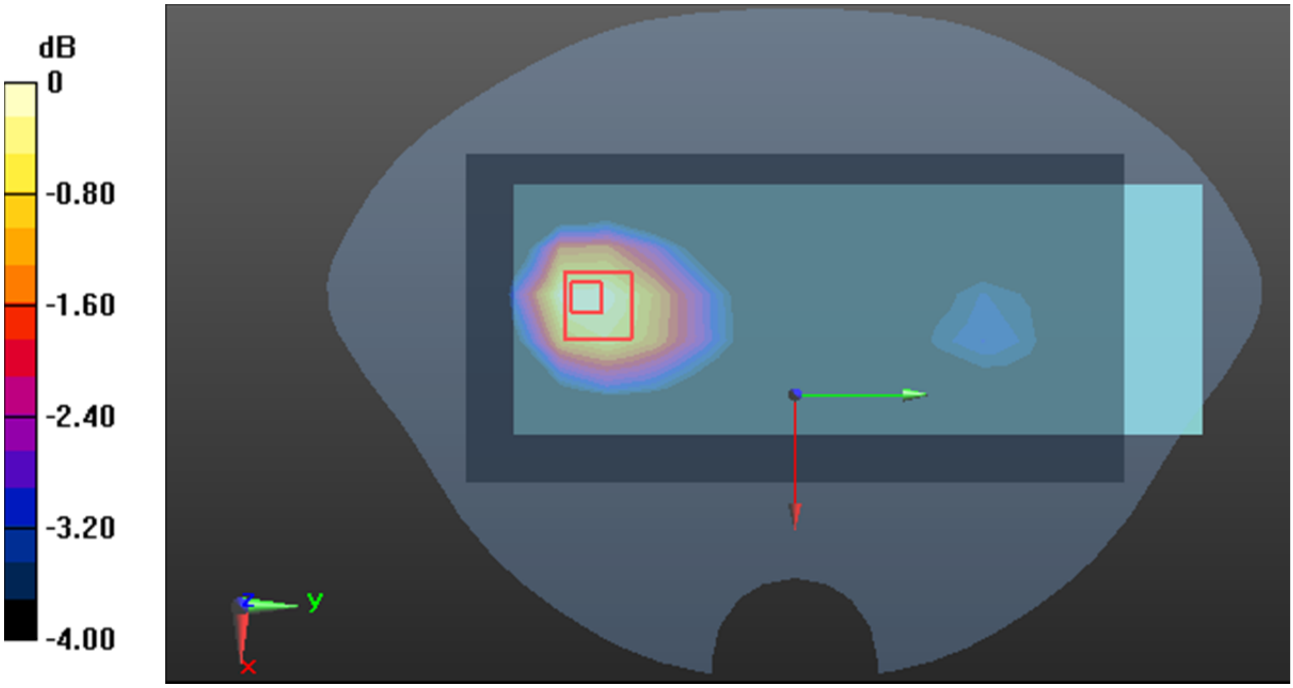
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f =836.5 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.5 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0412 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.576 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.0610 W/kg
SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.026 W/kg
Maximum value of SAR (measured) = 0.0419 W/kg



0 dB = 0.0419 W/kg = -13.78 dB dBW/kg

Test Plot44#: LTE Band 5_Body Front_50%RB_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

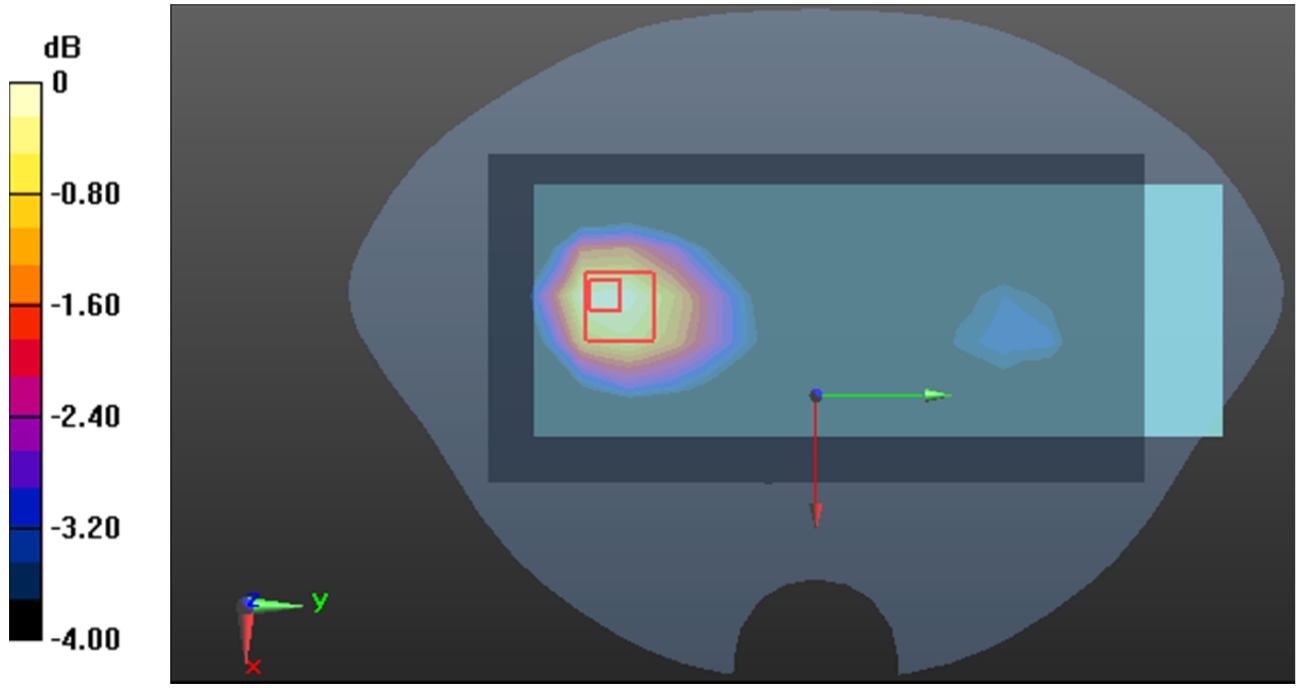
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f =836.5 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.5 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0426 W/kg

Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.918 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.0630 W/kg
SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.027 W/kg
Maximum value of SAR (measured) = 0.0433 W/kg



0 dB = 0.0433 W/kg = -13.64 dB dBW/kg

Test Plot45#: LTE Band 5_Body Back_1RB_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

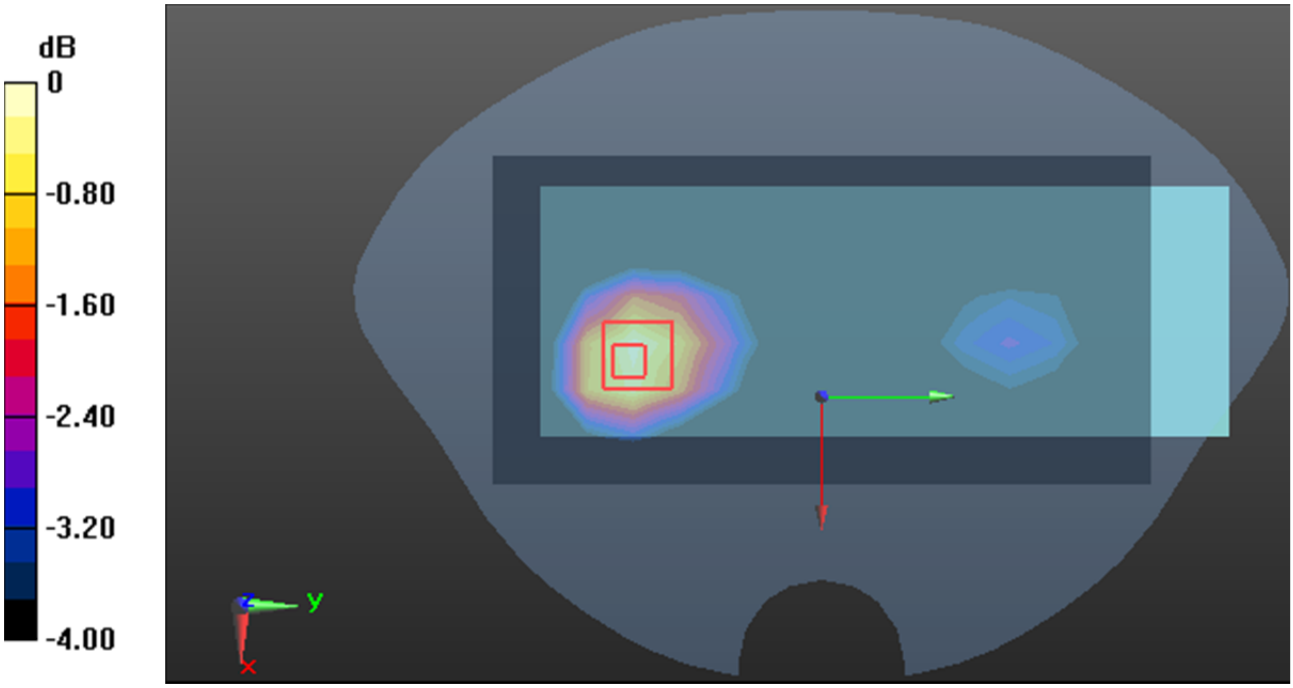
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f =836.5 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.5 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0338 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.584 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.0470 W/kg
SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.022 W/kg
Maximum value of SAR (measured) = 0.0347 W/kg



0 dB = 0.0347 W/kg = -14.60 dB dBW/kg

Test Plot46#: LTE Band 5_Body Back_50%RB_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

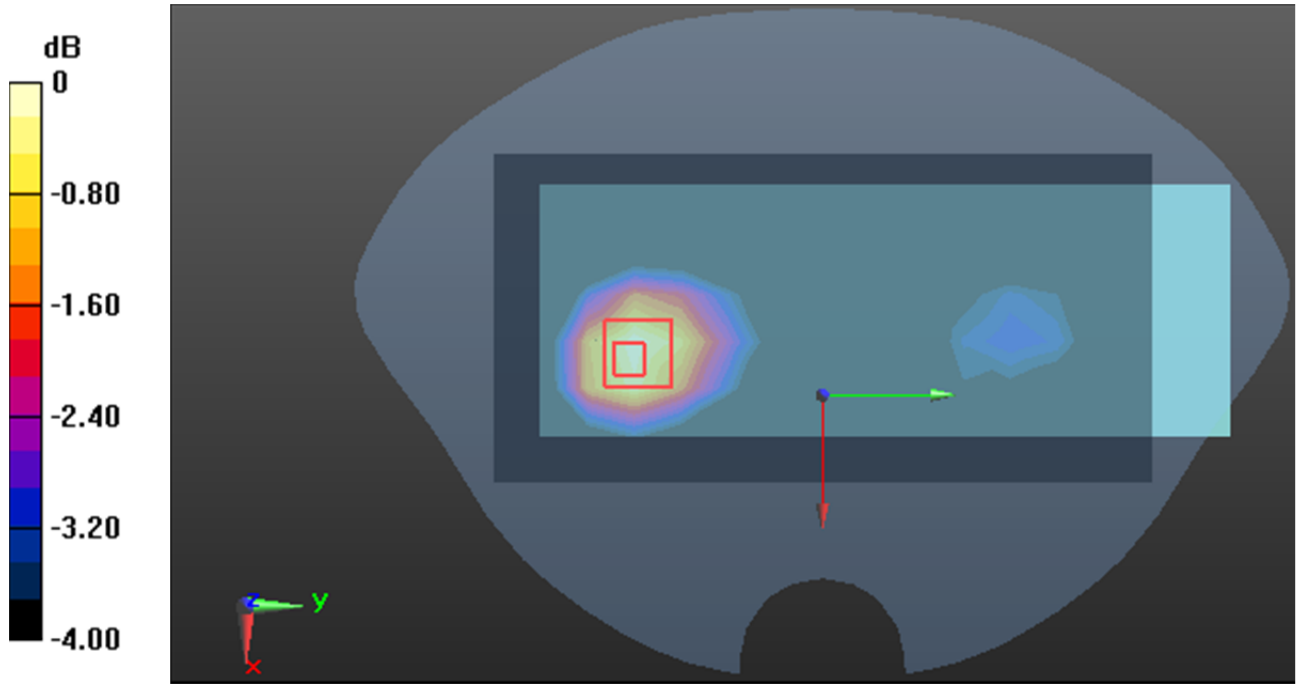
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f =836.5 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.5 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (8x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0336 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.399 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.0470 W/kg
SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.021 W/kg
Maximum value of SAR (measured) = 0.0338 W/kg



0 dB = 0.0338 W/kg = -14.71 dB dBW/kg

Test Plot47#: LTE Band 5_Body Left_1RB_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

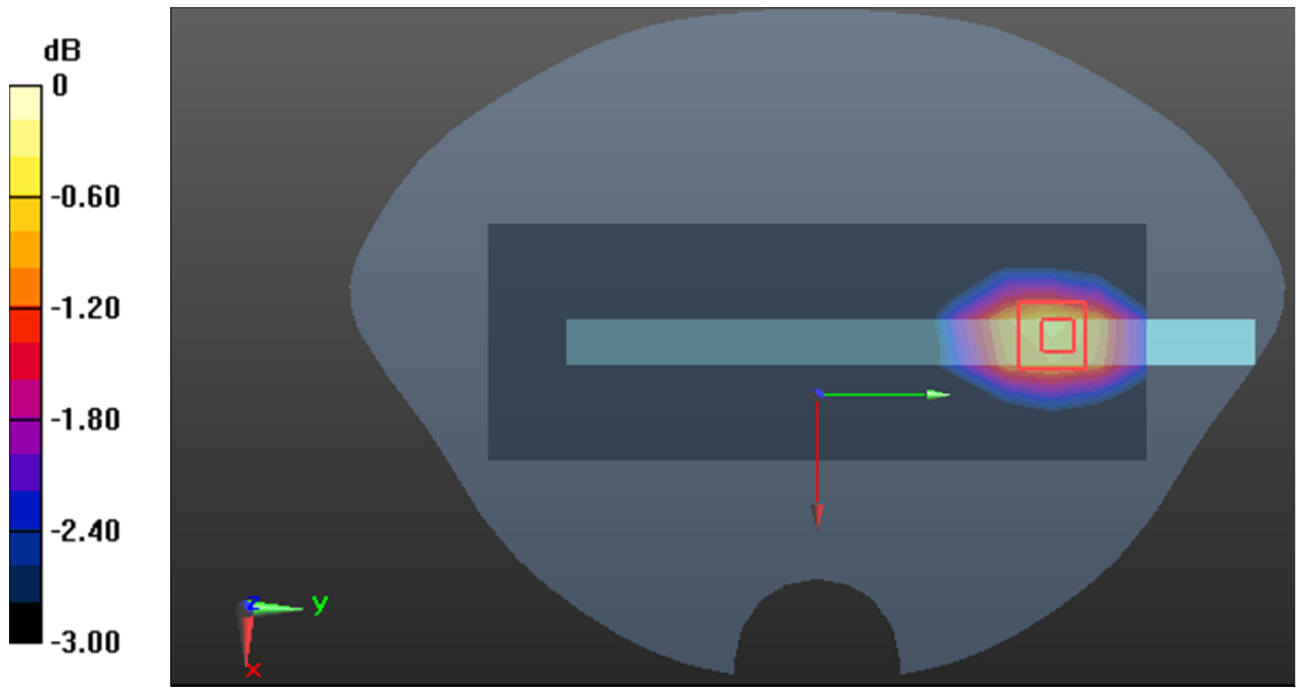
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f =836.5 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.5 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0139 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.158 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.0210 W/kg
SAR(1 g) = 0.014 W/kg; SAR(10 g) = 0.00997 W/kg
Maximum value of SAR (measured) = 0.0154 W/kg



0 dB = 0.0154 W/kg = -18.12 dB dBW/kg

Test Plot48#: LTE Band 5_Body Left_50%RB_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

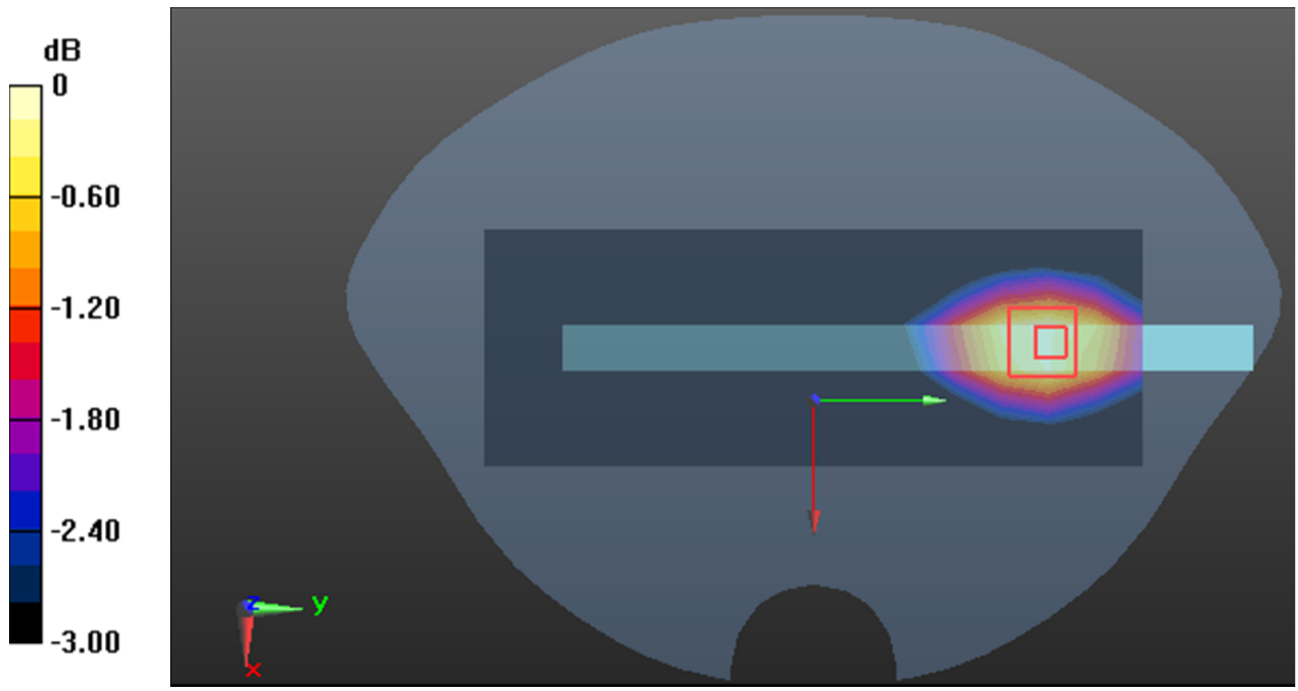
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f =836.5 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.5 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0152 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.302 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.0200 W/kg
SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.010 W/kg
Maximum value of SAR (measured) = 0.0156 W/kg



0 dB = 0.0156 W/kg = -18.07 dB dBW/kg

Test Plot49#: LTE Band 5_Body Right_1RB_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

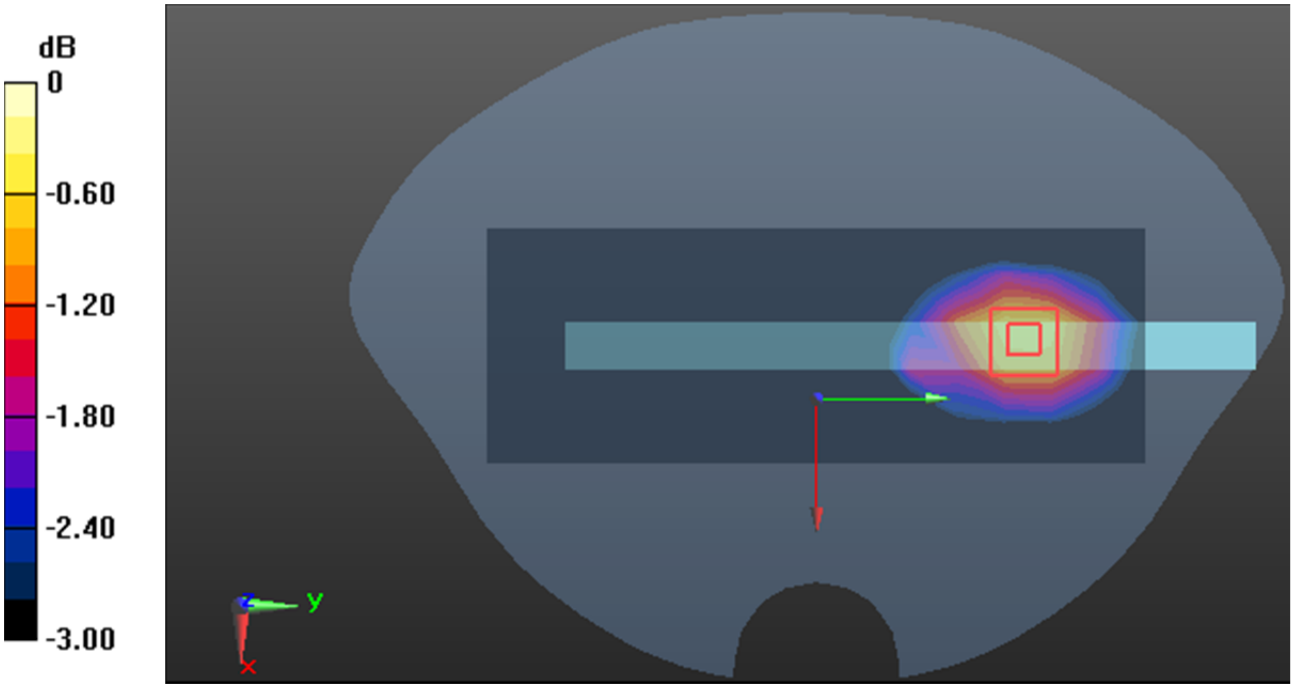
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f =836.5 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.5 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0146 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.562 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.0210 W/kg
SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.011 W/kg
Maximum value of SAR (measured) = 0.0162 W/kg



0 dB = 0.0162 W/kg = -17.90 dB dBW/kg

Test Plot50#: LTE Band 5_Body Right_50%RB_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

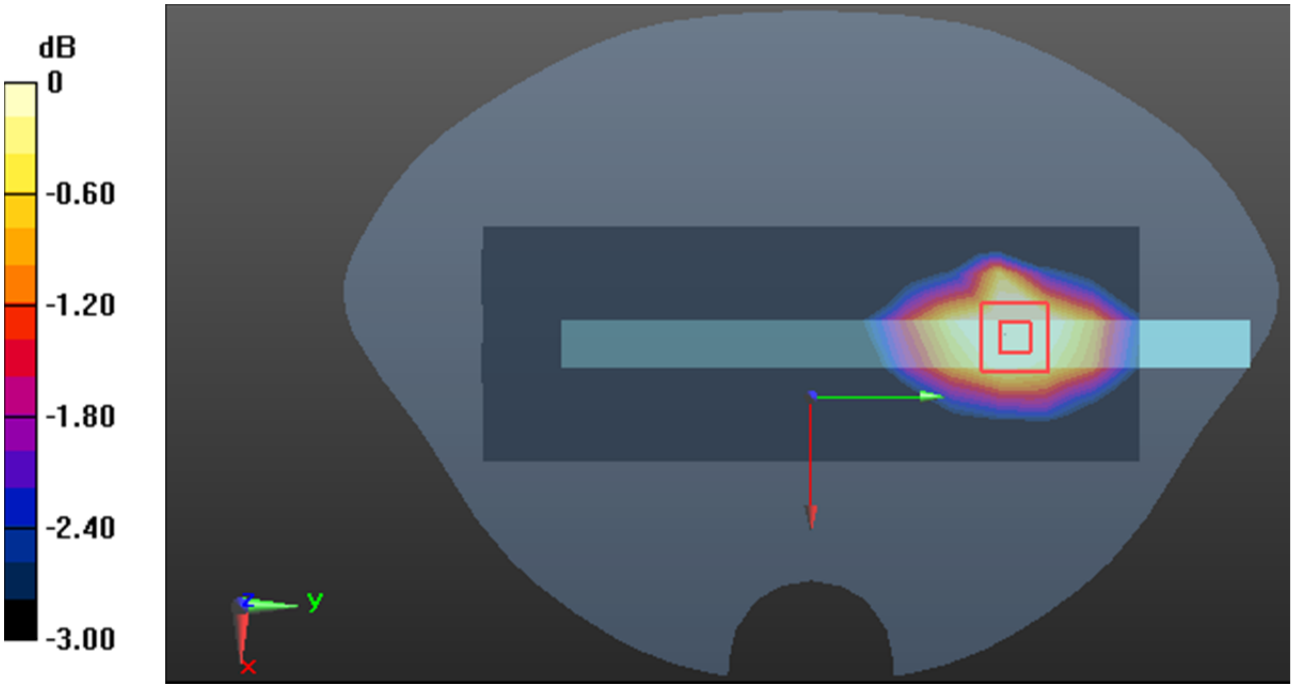
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f =836.5 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.5 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0167 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.406 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.0200 W/kg
SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.010 W/kg
Maximum value of SAR (measured) = 0.0156 W/kg



0 dB = 0.0156 W/kg = -18.07 dB dBW/kg

Test Plot51#: LTE Band 5_Body Bottom_1RB_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

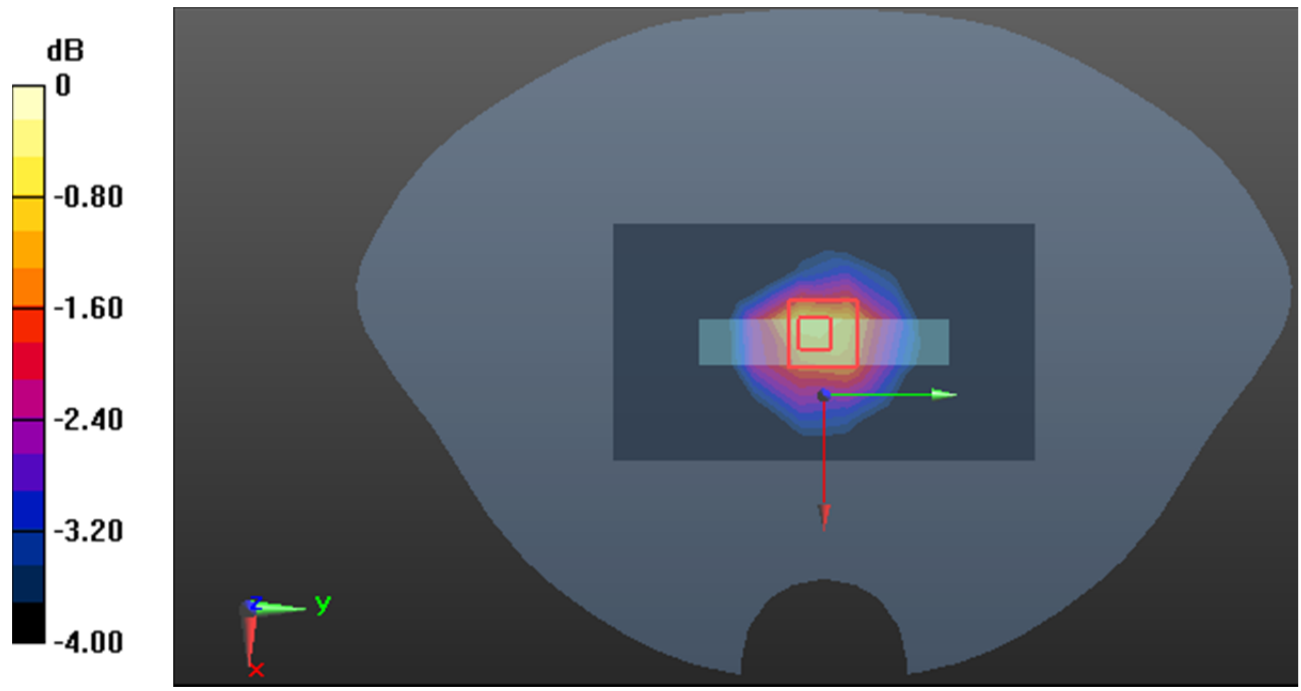
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f =836.5 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.5 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.00765 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.174 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.0140 W/kg
SAR(1 g) = 0.00787 W/kg; SAR(10 g) = 0.00465 W/kg
Maximum value of SAR (measured) = 0.00861 W/kg



0 dB = 0.00861 W/kg = -20.65 dB dBW/kg

Test Plot52#: LTE Band 5_Body Bottom_50%RB_Middle

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

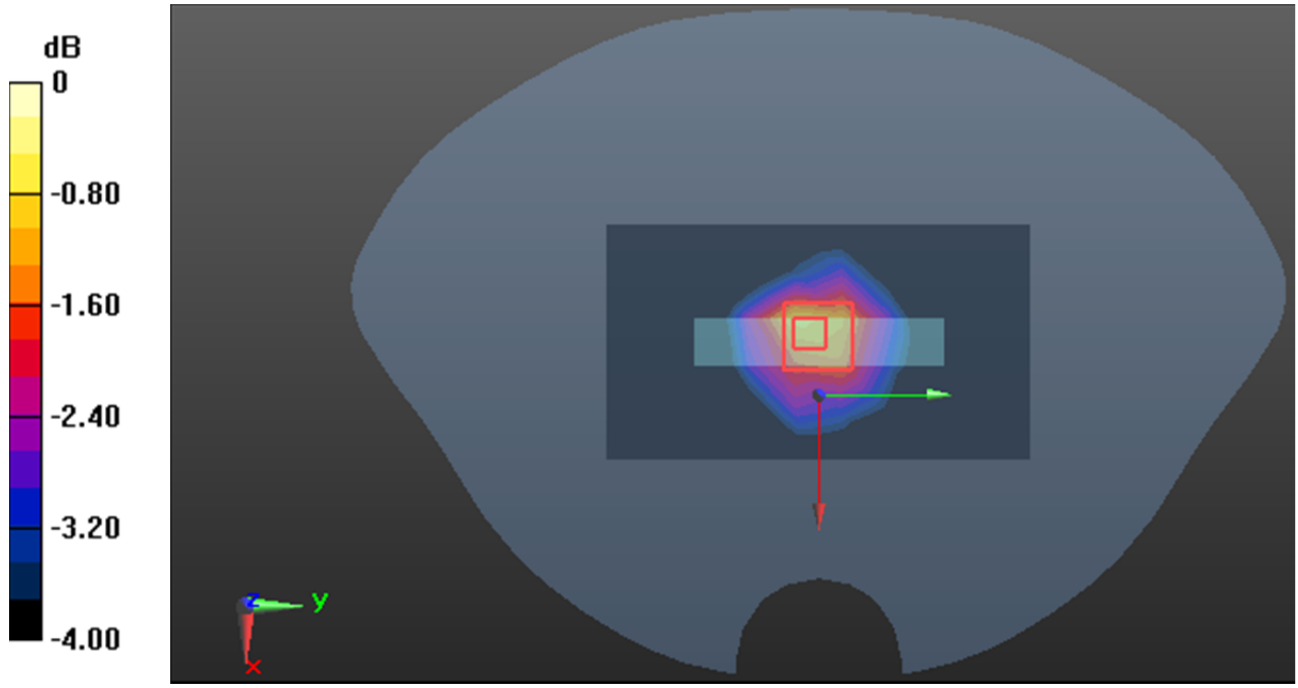
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f =836.5 MHz; σ = 0.897 S/m; ε_r = 41.587; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(9.9, 9.9, 9.9) @836.5 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.00813 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.272 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.0160 W/kg
SAR(1 g) = 0.0085 W/kg; SAR(10 g) = 0.00498 W/kg
Maximum value of SAR (measured) = 0.00941 W/kg



0 dB = 0.00941 W/kg = -20.26 dB dBW/kg

Plot 53#: LTE Band 7 1RB Mid _ Head Flat

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

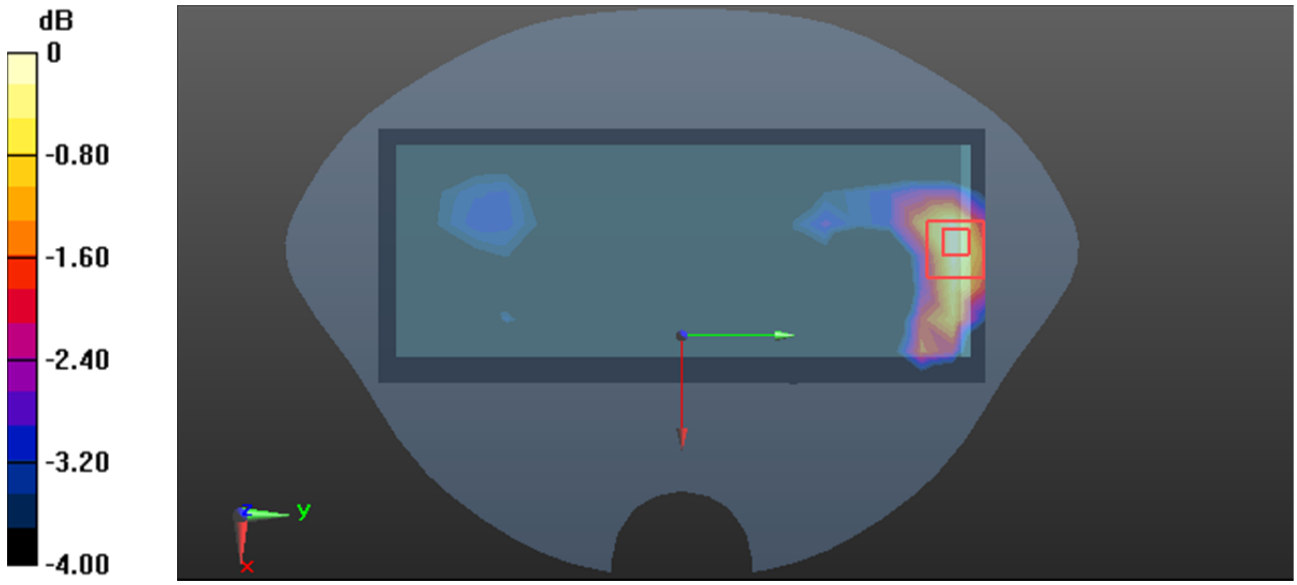
Communication System: Generic FDD-LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f =2535 MHz; σ = 1.894 S/m; ε_r = 39.231; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.42, 7.42, 7.42) @2535 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (9x20x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0848 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.754 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.130 W/kg
SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.040 W/kg
Maximum value of SAR (measured) = 0.0866 W/kg



0 dB = 0.0866 W/kg = -10.62 dBW/kg

Plot 54#: LTE Band 7 50%RB Mid _ Head Flat

DUT: Tersus TC80 Controller; Type: TC80; Serial: 2CQK-1

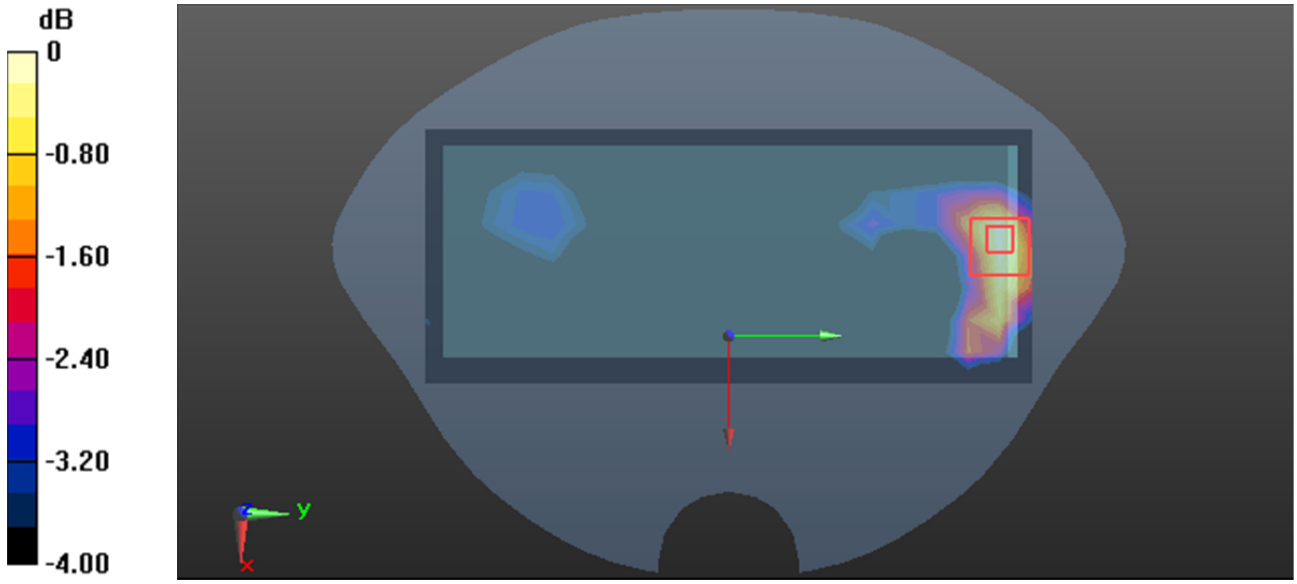
Communication System: Generic FDD-LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f =2535 MHz; σ = 1.894 S/m; ε_r = 39.231; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7522; ConvF(7.42, 7.42, 7.42) @2535 MHz; Calibrated: 2023/5/29;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2023/11/17
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: TP:1412
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (9x20x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.0755 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.480 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.118 W/kg
SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.035 W/kg
Maximum value of SAR (measured) = 0.0766 W/kg



0 dB = 0.0766 W/kg = -11.16 dBW/kg