Test Plot 1#: GSM 850_Head Left Cheek_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

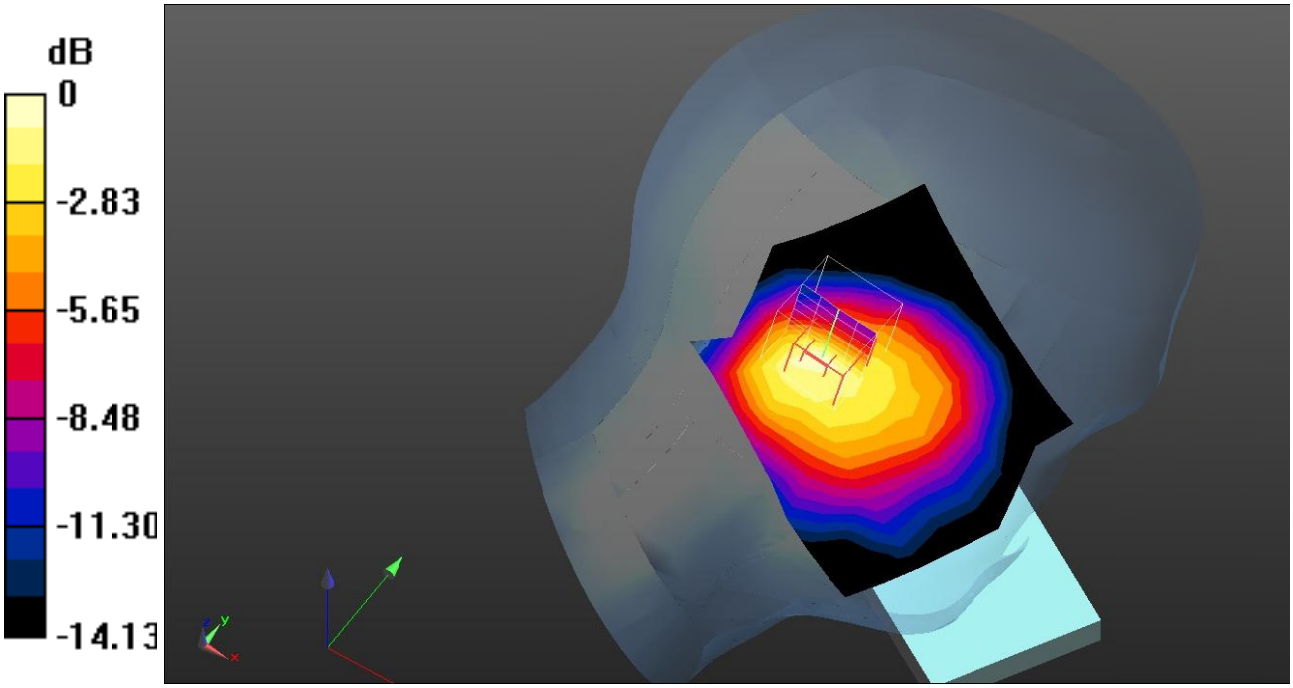
Communication System: Generic GSM (0); Frequency: 836.6 MHz;Duty Cycle: 1:8
Medium parameters used: f = 836.6 MHz; σ = 0.931 S/m; ε_r = 41.539; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.154 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.58 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.234 W/kg
SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.092 W/kg
Maximum value of SAR (measured) = 0.164 W/kg



0 dB = 0.164 W/kg = -7.85 dB dBW/kg

Test Plot 2#: GSM 850_Head Left Tilt_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

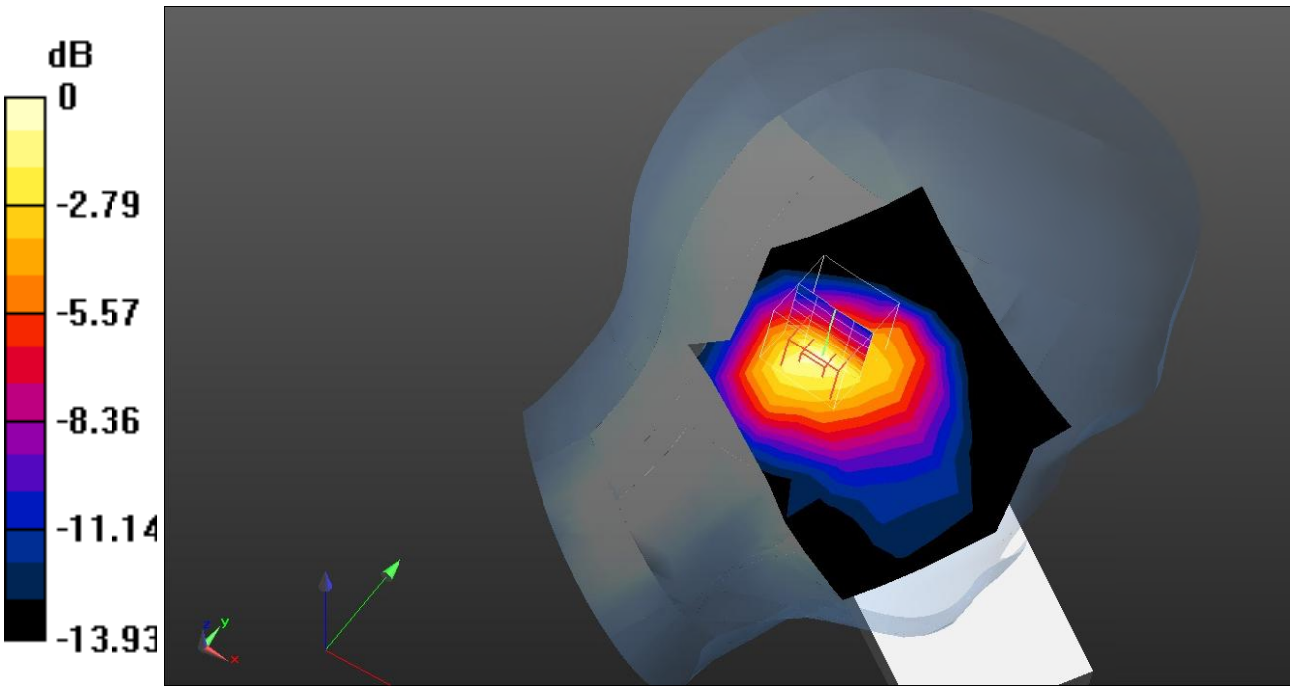
Communication System: Generic GSM (0); Frequency: 836.6 MHz;Duty Cycle: 1:8
Medium parameters used: f = 836.6 MHz; σ = 0.931 S/m; ε_r = 41.539; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.161 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.53 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.240 W/kg
SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.085 W/kg
Maximum value of SAR (measured) = 0.164 W/kg



0 dB = 0.164 W/kg = -7.85 dB dBW/kg

Test Plot 3#: GSM 850_Head Right Cheek_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

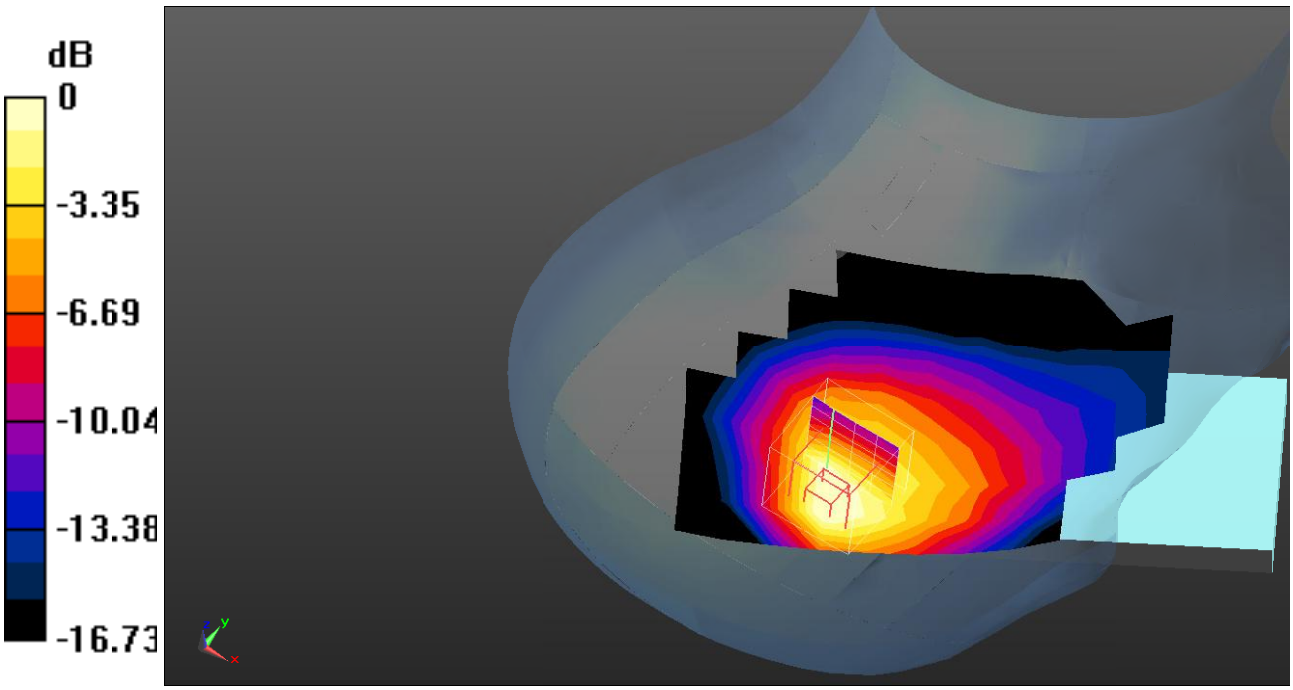
Communication System: Generic GSM (0); Frequency: 836.6 MHz;Duty Cycle: 1:8
Medium parameters used: f = 836.6 MHz; σ = 0.931 S/m; ε_r = 41.539; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.350 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.34 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.599 W/kg
SAR(1 g) = 0.305 W/kg; SAR(10 g) = 0.172 W/kg
Maximum value of SAR (measured) = 0.310 W/kg



0 dB = 0.310 W/kg = -5.09 dB dBW/kg

Test Plot 4#: GSM 850_Head Right Tilt_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

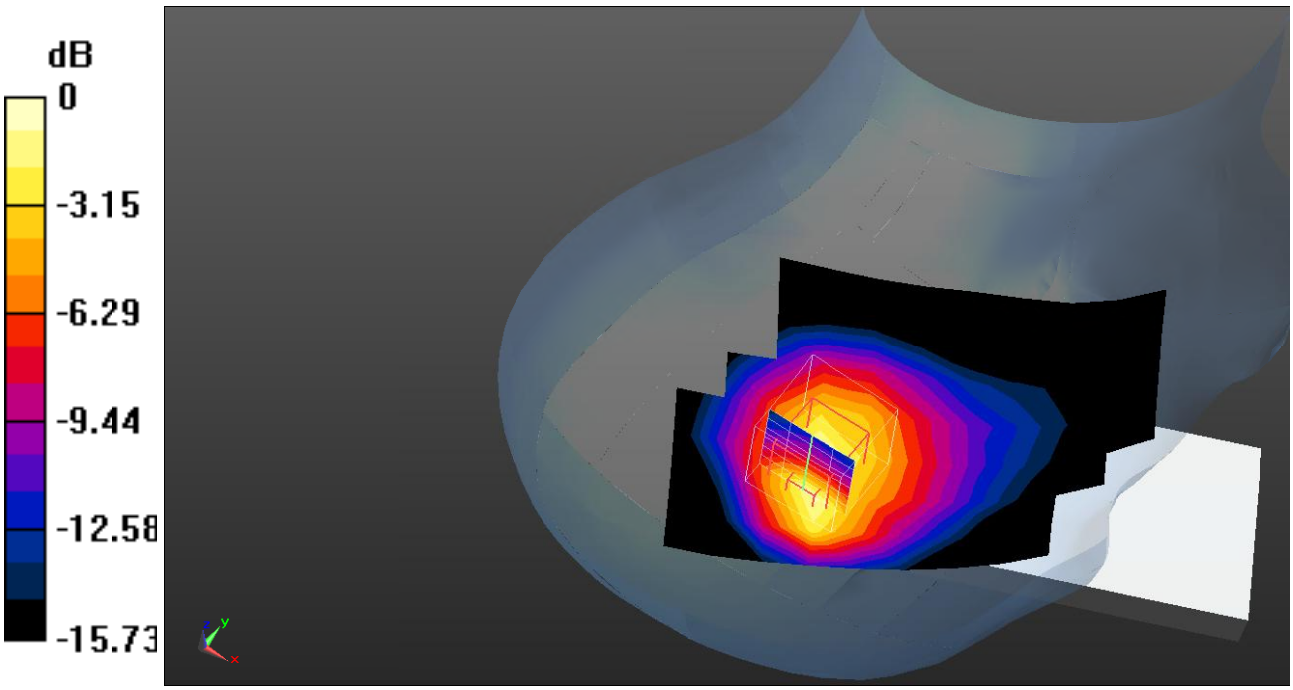
Communication System: Generic GSM (0); Frequency: 836.6 MHz;Duty Cycle: 1:8
Medium parameters used: f = 836.6 MHz; σ = 0.931 S/m; ε_r = 41.539; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.319 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.82 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.603 W/kg
SAR(1 g) = 0.298 W/kg; SAR(10 g) = 0.163 W/kg
Maximum value of SAR (measured) = 0.352 W/kg



0 dB = 0.352 W/kg = -4.53 dB dBW/kg

Test Plot 5#: GSM 850_Body Worn Back_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

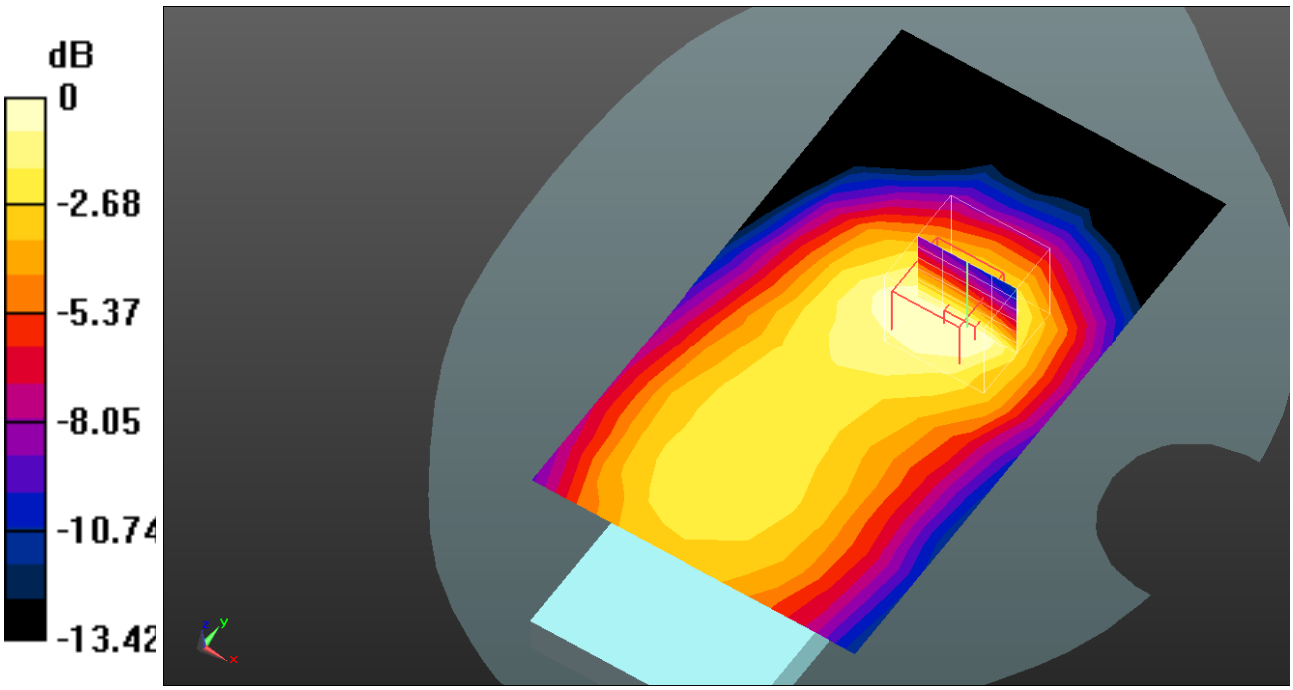
Communication System: Generic GSM (0); Frequency: 836.6 MHz;Duty Cycle: 1:8
Medium parameters used: f = 836.6 MHz; σ = 0.931 S/m; ε_r = 41.539; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.0972 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.237 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.137 W/kg
SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.062 W/kg
Maximum value of SAR (measured) = 0.0984 W/kg



0 dB = 0.0984 W/kg = -10.07 dB dBW/kg

Test Plot 6#: GSM 850_Body Front_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

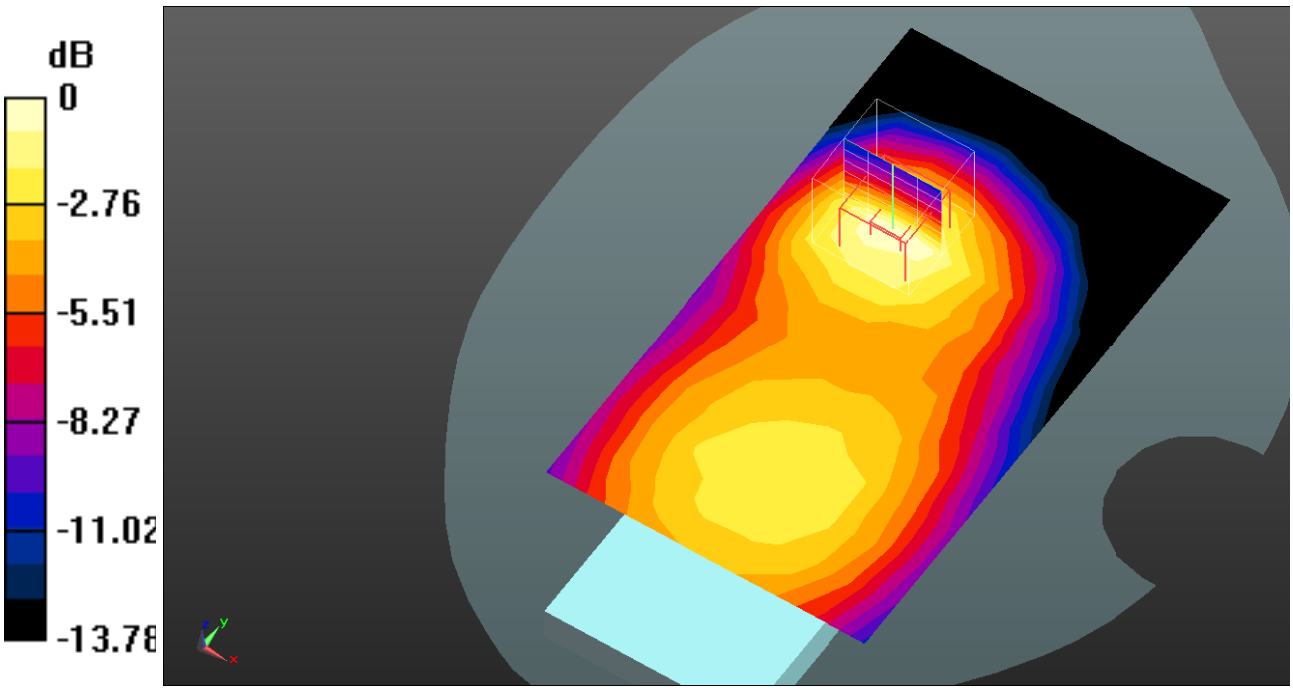
Communication System: Generic GPRS-2 slots (0); Frequency: 836.6 MHz;Duty Cycle: 1:2
Medium parameters used: f = 836.6 MHz; σ = 0.931 S/m; ε_r = 41.539; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.168 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.608 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.239 W/kg
SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.098 W/kg
Maximum value of SAR (measured) = 0.169 W/kg



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

Test Plot 7#: GSM 850_Body Back_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

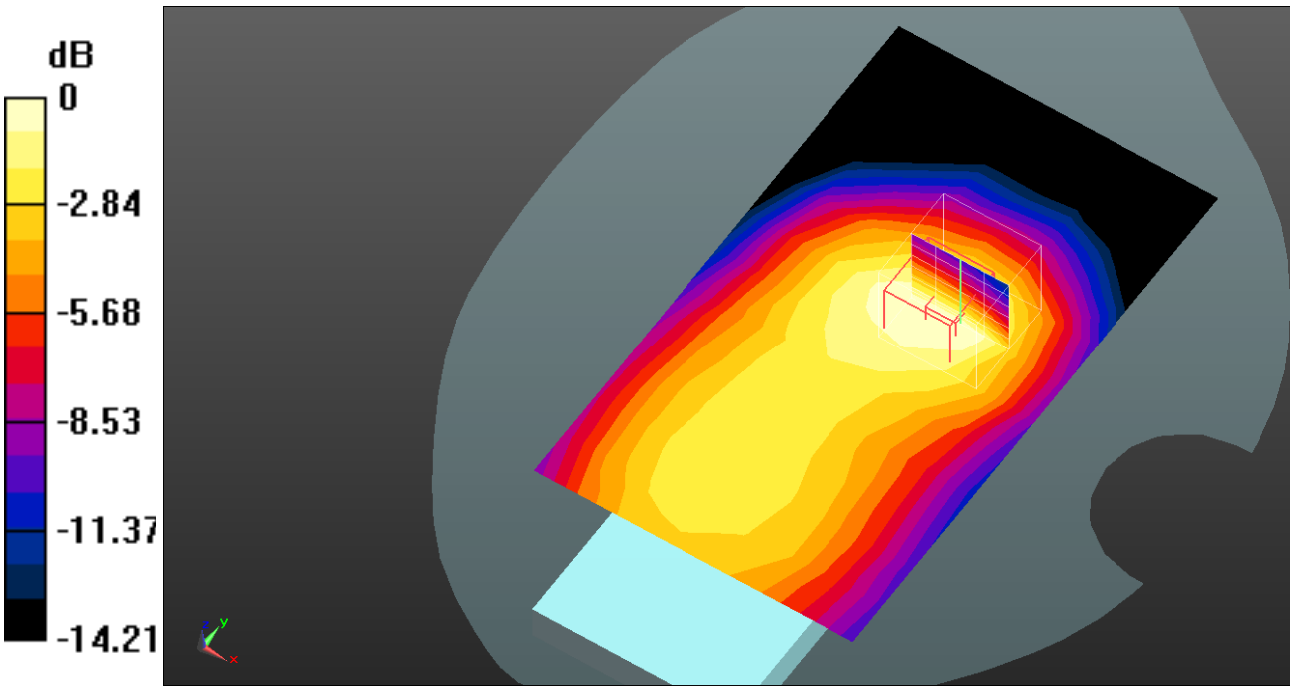
Communication System: Generic GPRS-2 slots (0); Frequency: 836.6 MHz;Duty Cycle: 1:2
Medium parameters used: f = 836.6 MHz; σ = 0.931 S/m; ε_r = 41.539; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.148 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.63 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.220 W/kg
SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.095 W/kg
Maximum value of SAR (measured) = 0.155 W/kg



0 dB = 0.155 W/kg = -8.10 dB dBW/kg

Test Plot 8#: GSM 850_Body Left_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

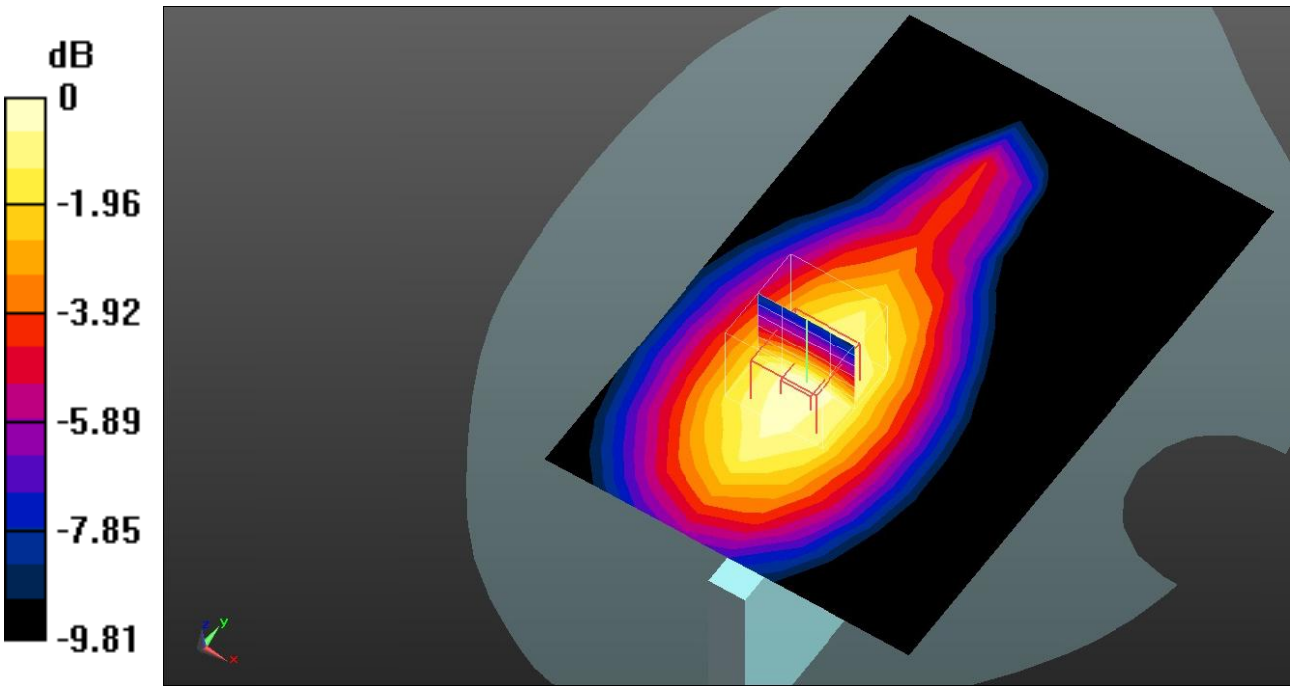
Communication System: Generic GPRS-2 slots (0); Frequency: 836.6 MHz;Duty Cycle: 1:2
Medium parameters used: f = 836.6 MHz; σ = 0.931 S/m; ε_r = 41.539; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.137 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.768 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.163 W/kg
SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.085 W/kg
Maximum value of SAR (measured) = 0.130 W/kg



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

Test Plot 9#: GSM 850_Body Top_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

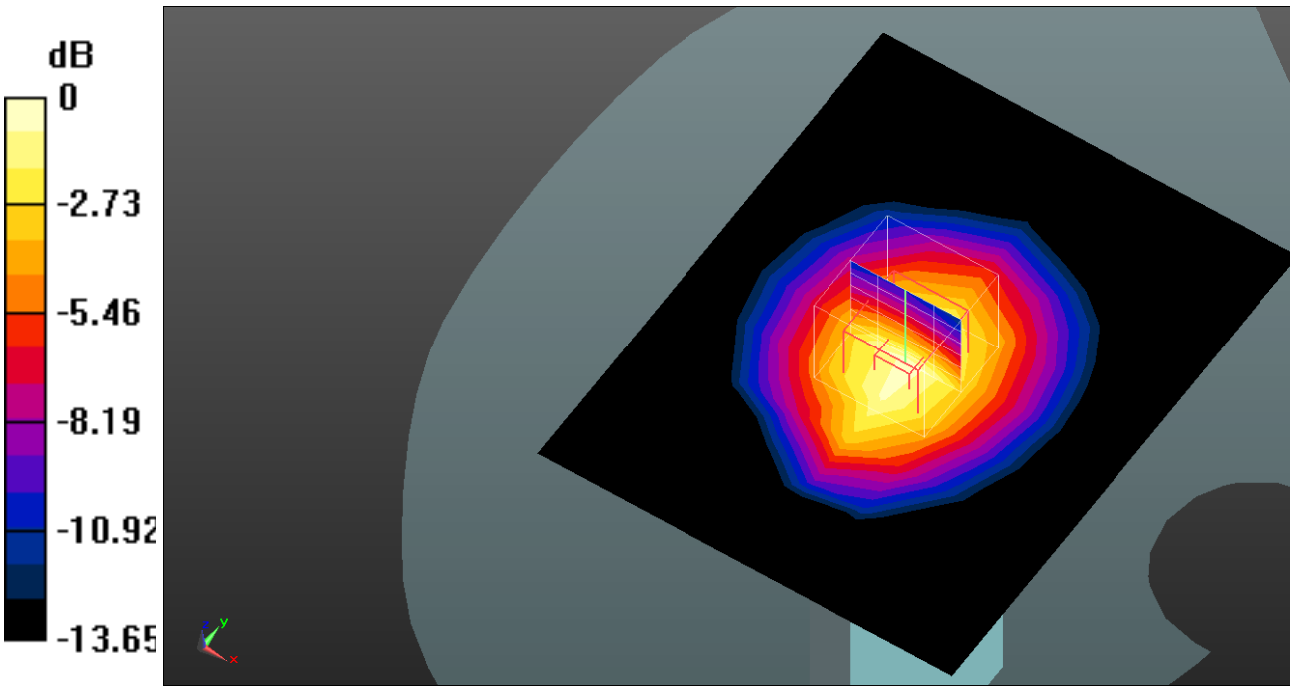
Communication System: Generic GPRS-2 slots (0); Frequency: 836.6 MHz;Duty Cycle: 1:2
Medium parameters used: f = 836.6 MHz; σ = 0.931 S/m; ε_r = 41.539; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.214 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.61 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.312 W/kg
SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.120 W/kg
Maximum value of SAR (measured) = 0.219 W/kg



0 dB = 0.219 W/kg = -6.60 dB dBW/kg

Test Plot 10#: PCS 1900_Head Left Cheek_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

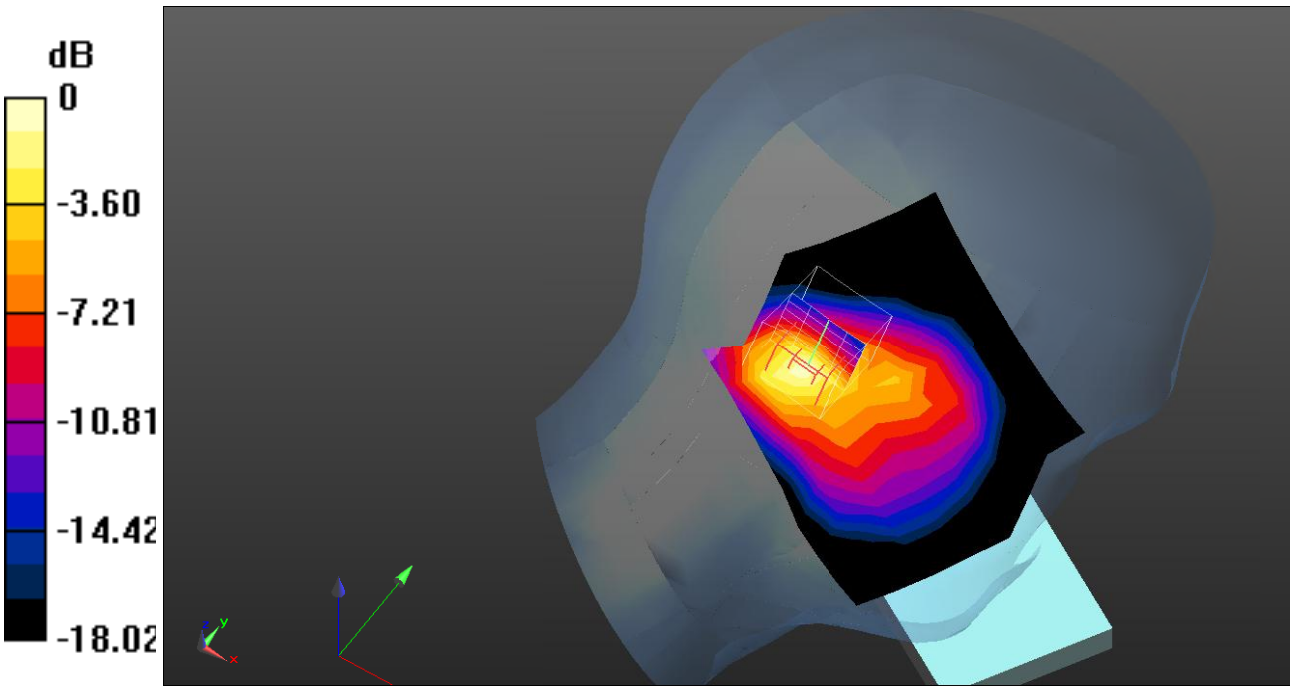
Communication System: Generic GSM (0); Frequency: 1880 MHz;Duty Cycle: 1:8
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.300 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.567 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.470 W/kg
SAR(1 g) = 0.266 W/kg; SAR(10 g) = 0.138 W/kg
Maximum value of SAR (measured) = 0.311 W/kg



0 dB = 0.311 W/kg = -5.07 dB dBW/kg

Test Plot 11#: PCS 1900_Head Left Tilt_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

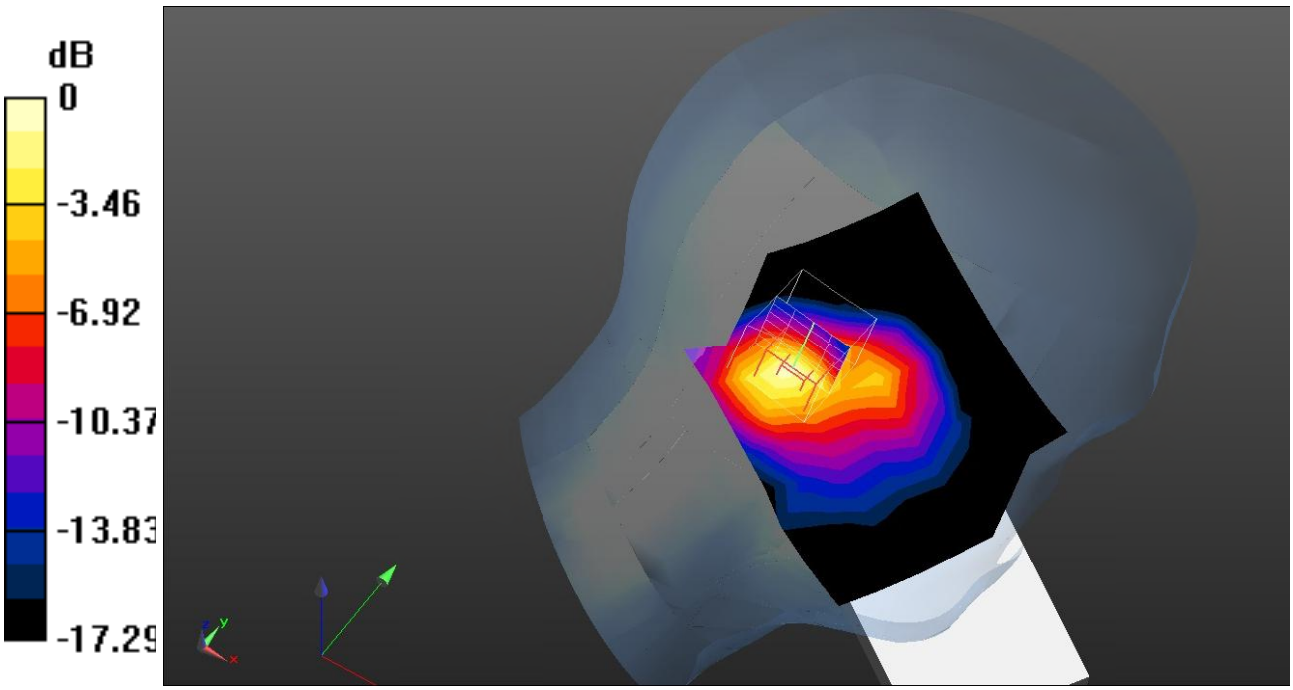
Communication System: Generic GSM (0); Frequency: 1880 MHz;Duty Cycle: 1:8
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.352 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.34 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.555 W/kg
SAR(1 g) = 0.322 W/kg; SAR(10 g) = 0.166 W/kg
Maximum value of SAR (measured) = 0.363 W/kg



0 dB = 0.363 W/kg = -4.40 dB dBW/kg

Test Plot 12#: PCS 1900_Head Right Cheek_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

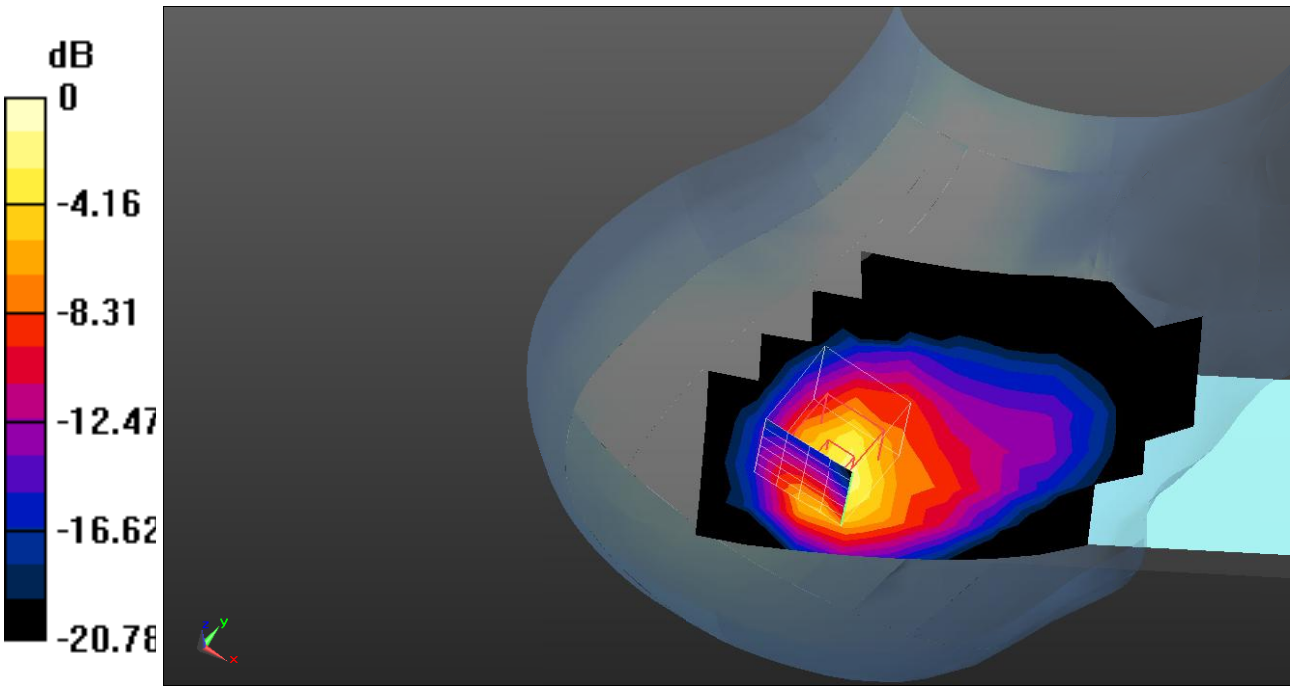
Communication System: Generic GSM (0); Frequency: 1880 MHz;Duty Cycle: 1:8
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.445 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.25 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.02 W/kg
SAR(1 g) = 0.535 W/kg; SAR(10 g) = 0.250 W/kg
Maximum value of SAR (measured) = 0.636 W/kg



0 dB = 0.636 W/kg = -1.97 dB dBW/kg

Test Plot 13#: PCS 1900_Head Right Tilt_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

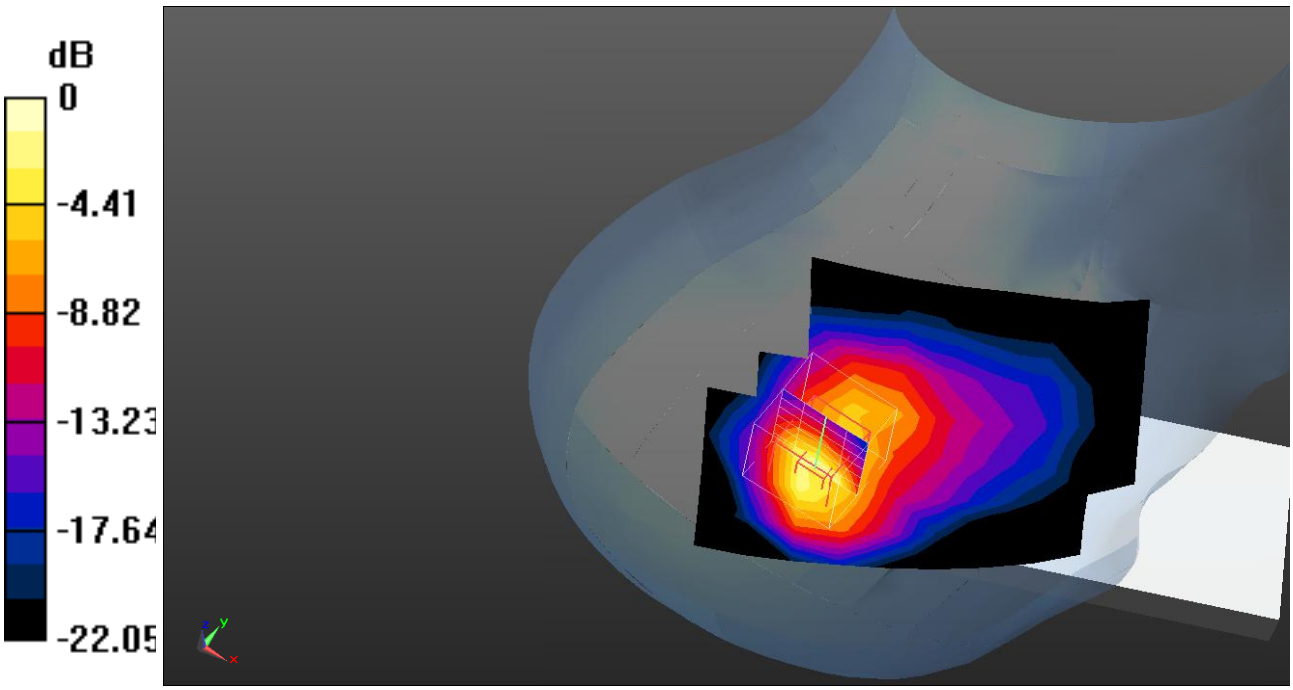
Communication System: Generic GSM (0); Frequency: 1880 MHz;Duty Cycle: 1:8
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.469 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.55 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.31 W/kg
SAR(1 g) = 0.662 W/kg; SAR(10 g) = 0.300 W/kg
Maximum value of SAR (measured) = 0.780 W/kg



0 dB = 0.780 W/kg = -1.08 dB dBW/kg

Test Plot 14#: PCS 1900_Body Worn Back_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

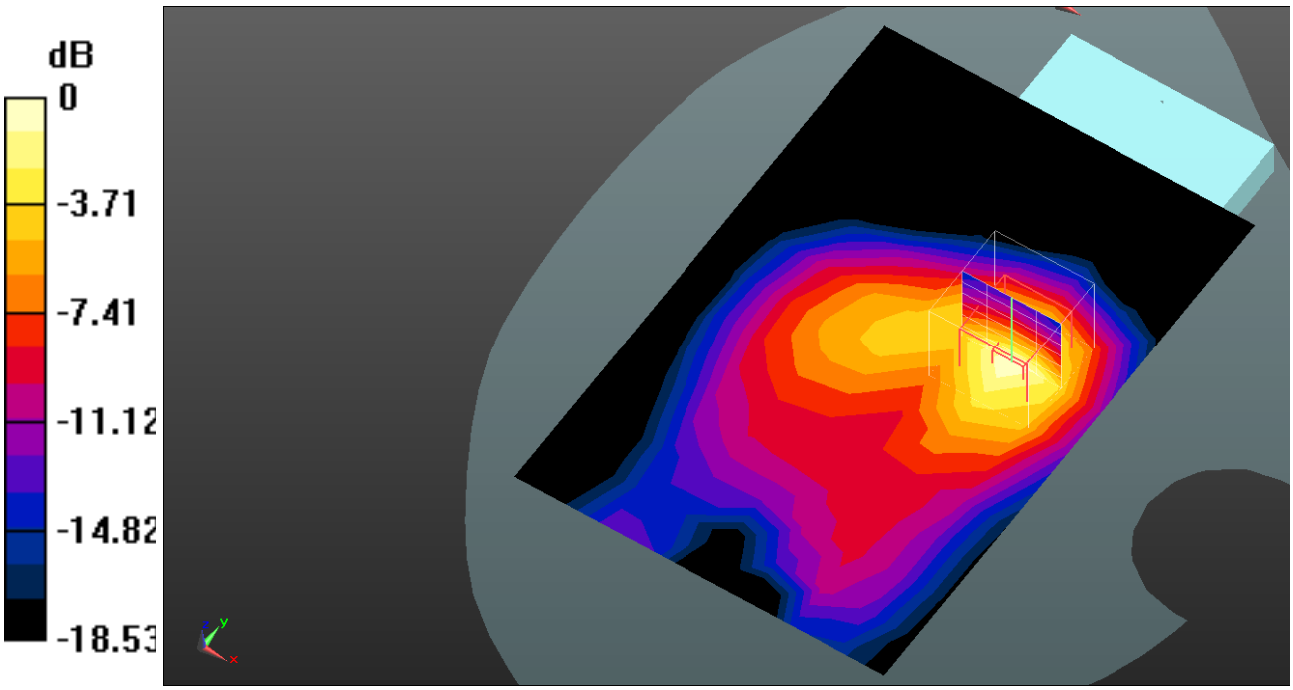
Communication System: Generic GSM (0); Frequency: 1880 MHz;Duty Cycle: 1:8
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.247 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 6.608 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.388 W/kg
SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.117 W/kg
Maximum value of SAR (measured) = 0.248 W/kg



0 dB = 0.248 W/kg = -6.06 dB dBW/kg

Test Plot 15#: PCS 1900_Body Front_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

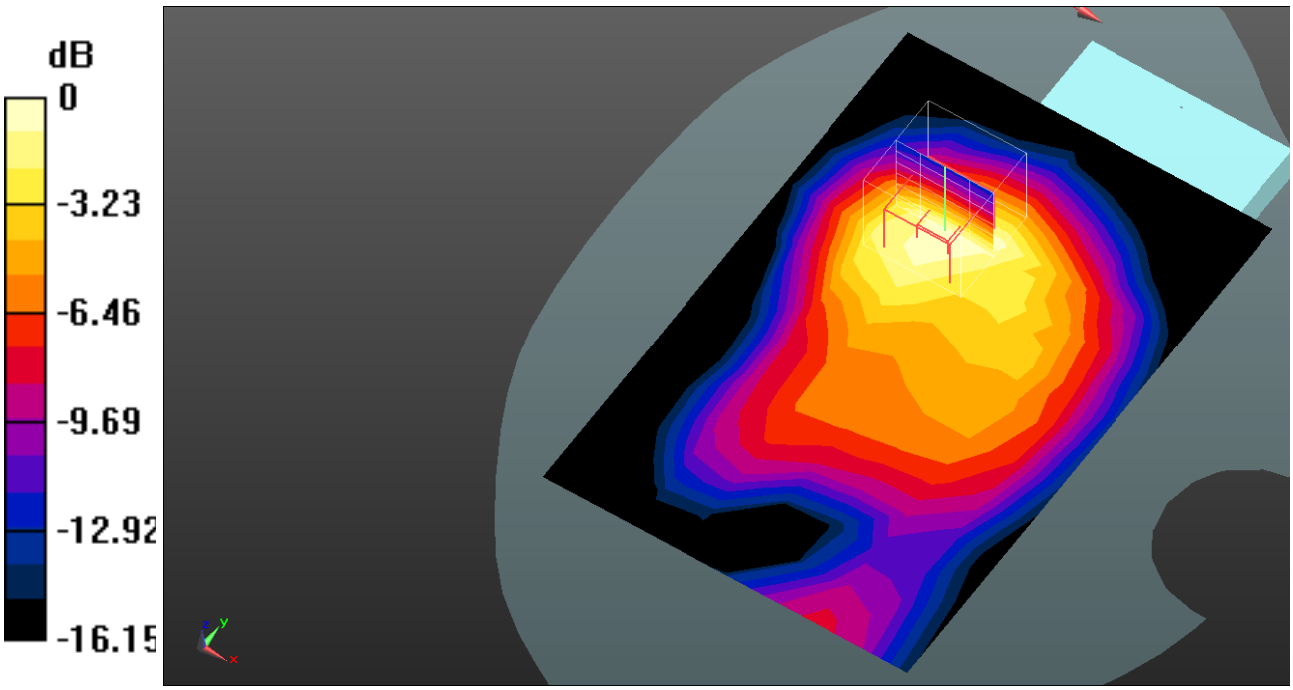
Communication System: Generic GPRS-2 slots (0); Frequency: 1880 MHz;Duty Cycle: 1:2
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.239 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.903 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.391 W/kg
SAR(1 g) = 0.243 W/kg; SAR(10 g) = 0.143 W/kg
Maximum value of SAR (measured) = 0.270 W/kg



0 dB = 0.270 W/kg = -5.69 dB dBW/kg

Test Plot 16#: PCS 1900_Body Back_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

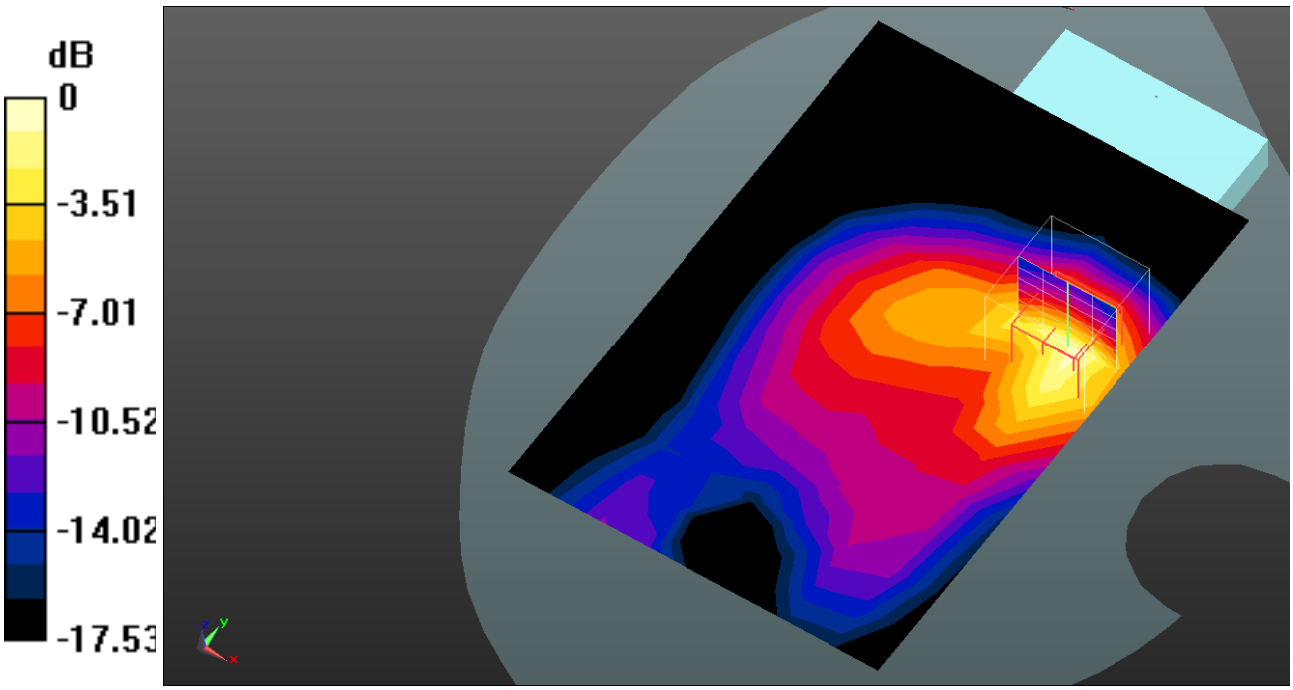
Communication System: Generic GPRS-2 slots (0); Frequency: 1880 MHz;Duty Cycle: 1:2
Medium parameters used:f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (9x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.610 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.460 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.982 W/kg
SAR(1 g) = 0.559 W/kg; SAR(10 g) = 0.295 W/kg
Maximum value of SAR (measured) = 0.636 W/kg



0 dB = 0.636 W/kg = -1.97 dB dBW/kg

Test Plot 17#: PCS 1900_Body Left_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

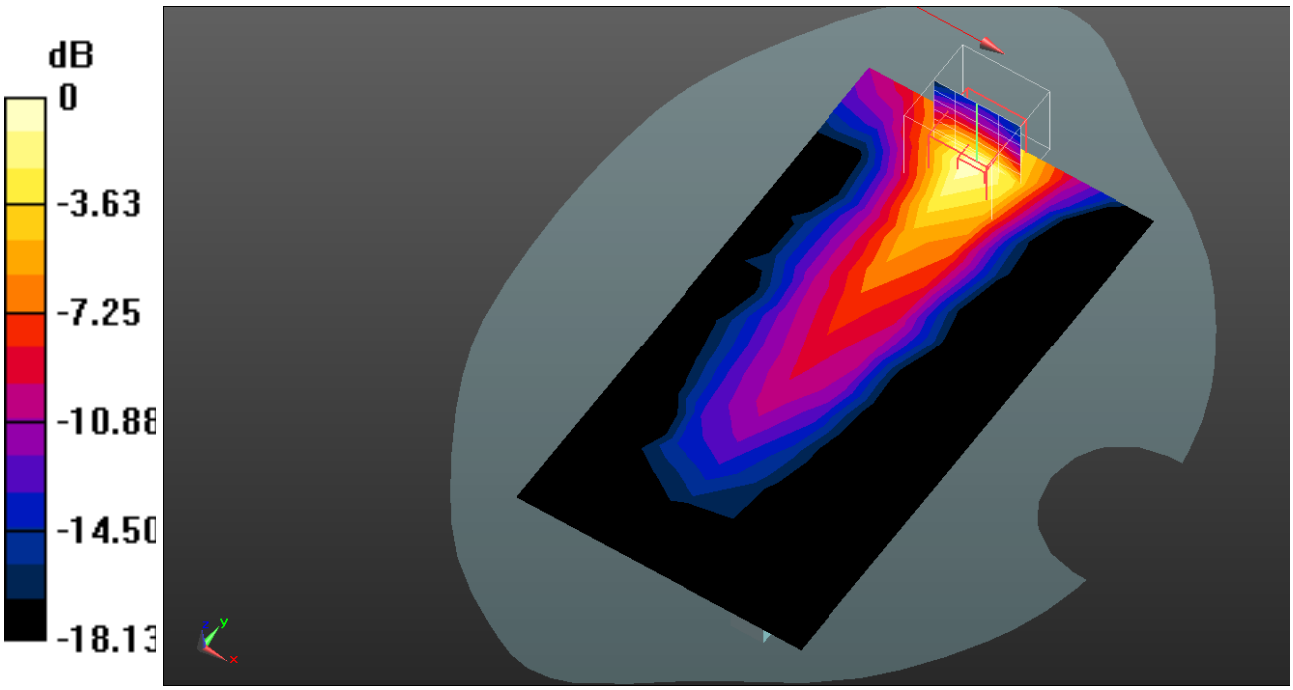
Communication System: Generic GPRS-2 slots (0); Frequency: 1880 MHz;Duty Cycle: 1:2
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.159 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.654 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 0.393 W/kg
SAR(1 g) = 0.160 W/kg; SAR(10 g) = 0.079 W/kg
Maximum value of SAR (measured) = 0.169 W/kg



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

Test Plot 18#: PCS 1900_Body Top_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

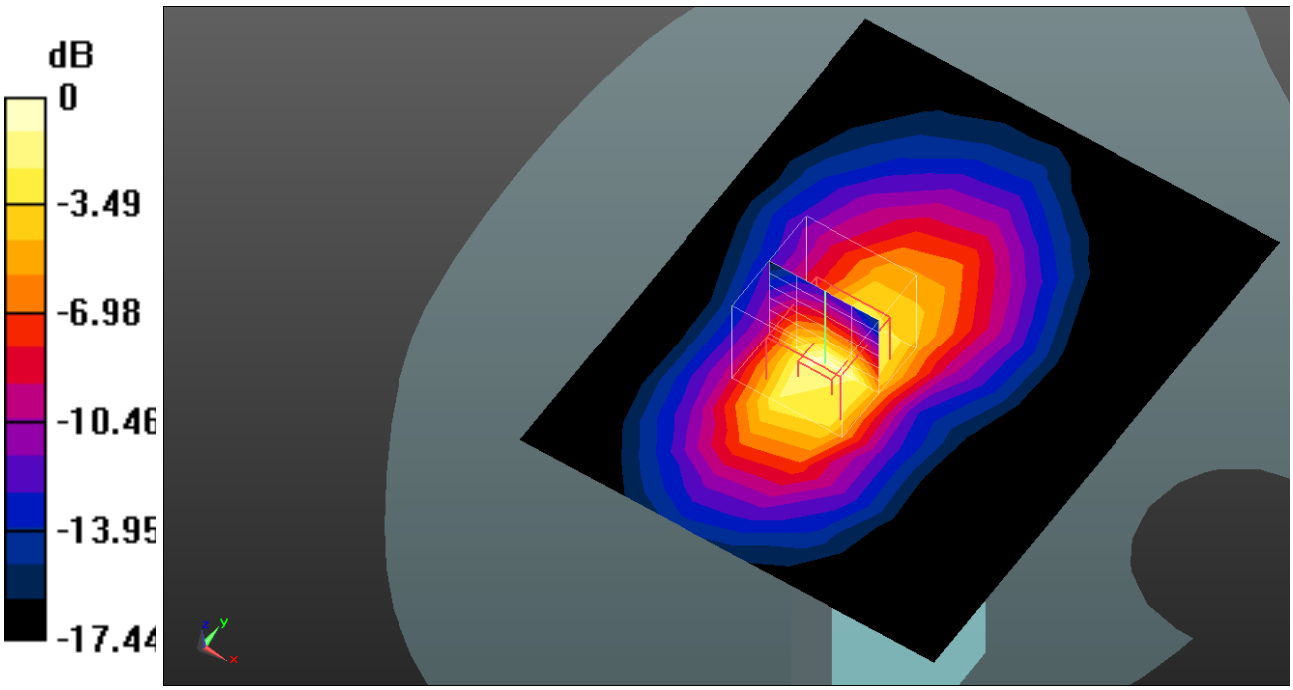
Communication System: Generic GPRS-2 slots (0); Frequency: 1880 MHz;Duty Cycle: 1:2
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.609 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.71 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.08 W/kg
SAR(1 g) = 0.642 W/kg; SAR(10 g) = 0.332 W/kg
Maximum value of SAR (measured) = 0.712 W/kg



0 dB = 0.712 W/kg = -1.48 dB dBW/kg

Test Plot 19#: WCDMA Band 2_Head Left Cheek_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

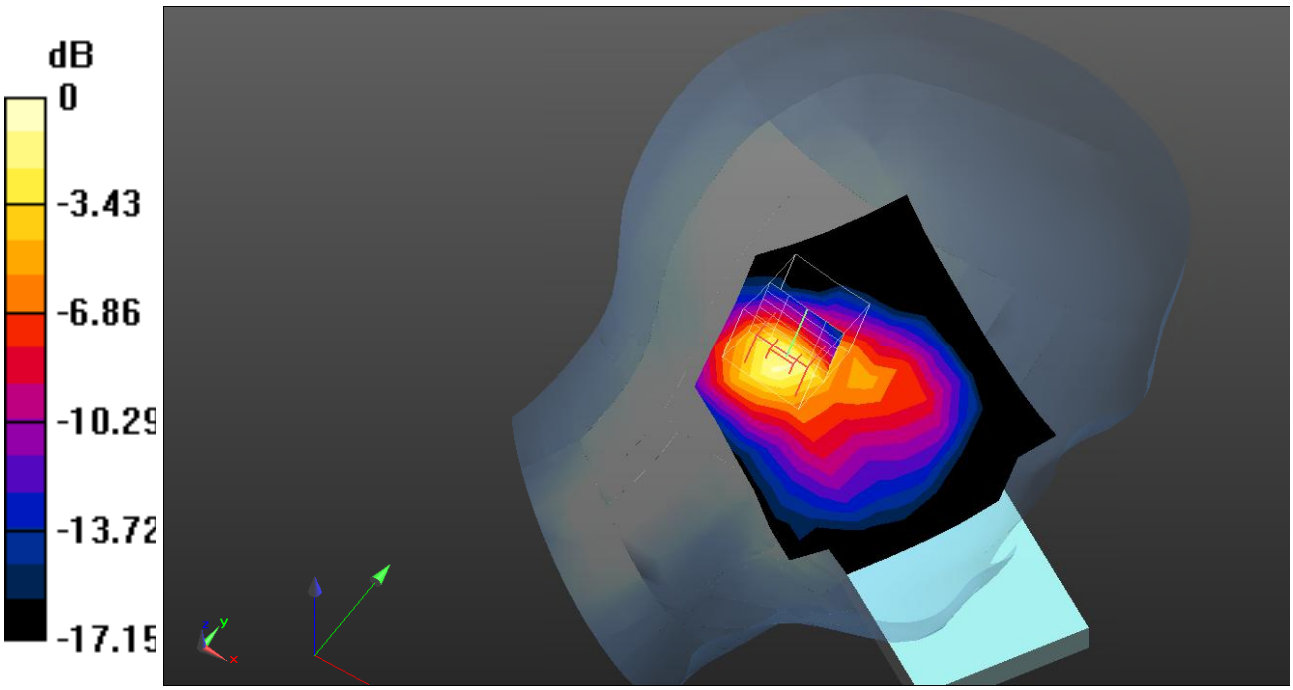
Communication System: WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.316 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.64 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.585 W/kg
SAR(1 g) = 0.329 W/kg; SAR(10 g) = 0.168 W/kg
Maximum value of SAR (measured) = 0.383 W/kg



0 dB = 0.383 W/kg = -4.17 dB dBW/kg

Test Plot 20#: WCDMA Band 2_Head Left Tilt_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

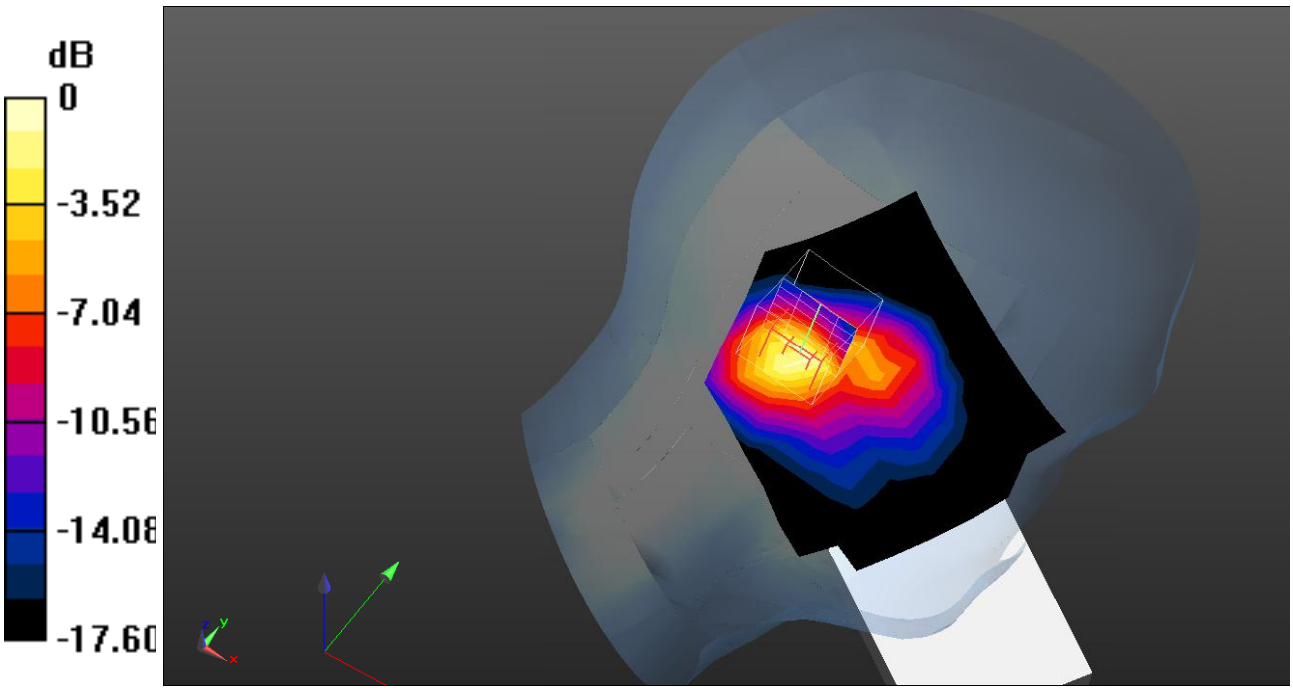
Communication System: WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.422 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.13 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.789 W/kg
SAR(1 g) = 0.437 W/kg; SAR(10 g) = 0.218 W/kg
Maximum value of SAR (measured) = 0.503 W/kg



0 dB = 0.503 W/kg = -2.98 dB dBW/kg

Test Plot 21#: WCDMA Band 2_Head Right Cheek_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

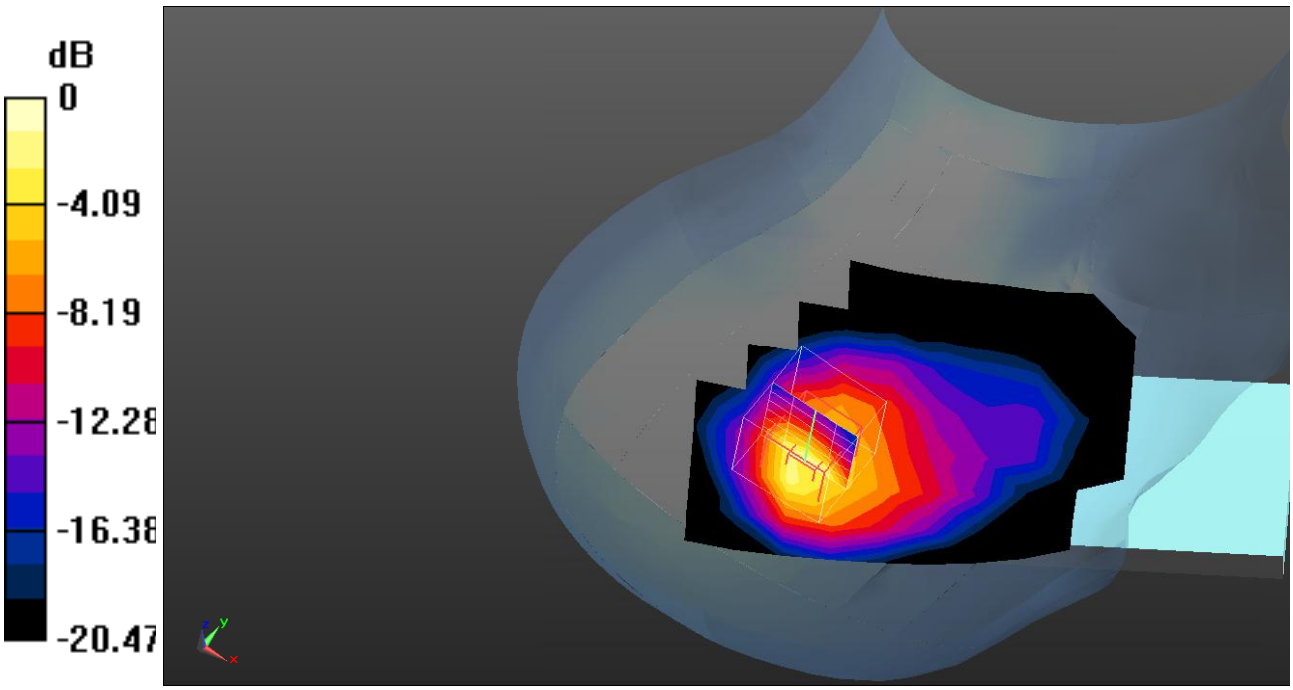
Communication System: WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.407 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.792 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.10 W/kg
SAR(1 g) = 0.572 W/kg; SAR(10 g) = 0.267 W/kg
Maximum value of SAR (measured) = 0.670 W/kg



0 dB = 0.670 W/kg = -1.74 dB dBW/kg

Test Plot 22#: WCDMA Band 2_Head Right Tilt_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

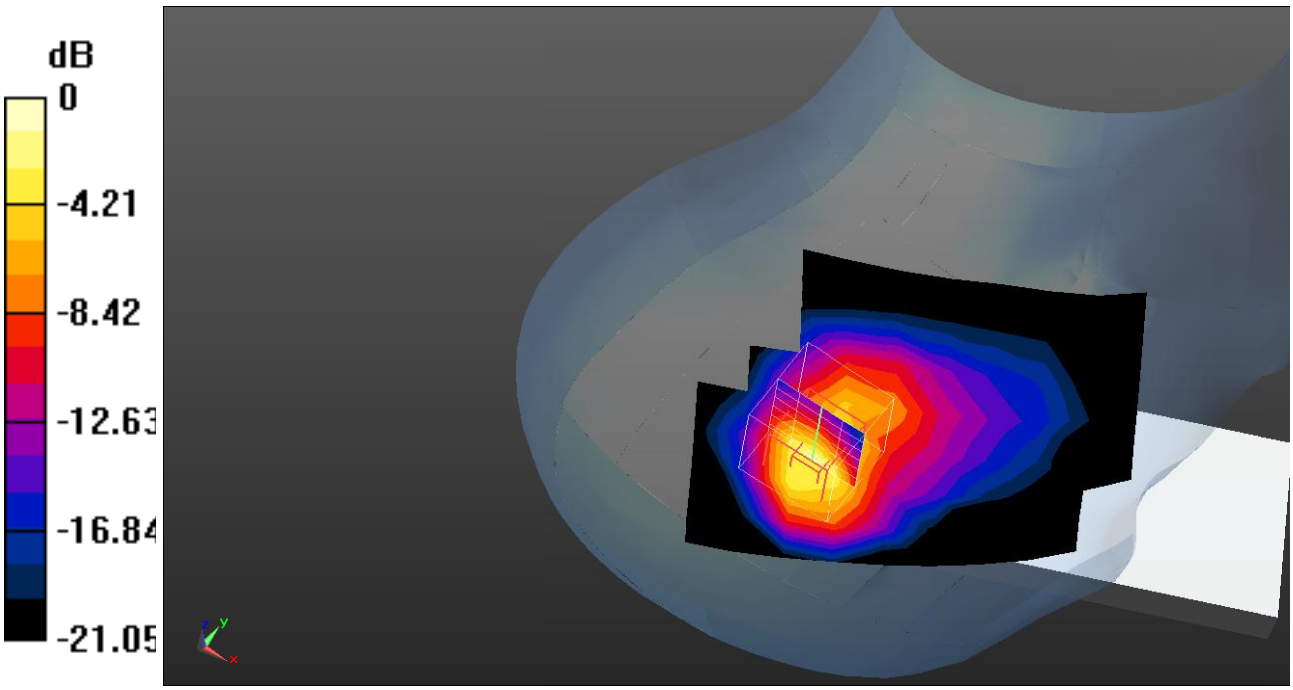
Communication System: WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.429 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.16 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 1.45 W/kg
SAR(1 g) = 0.733 W/kg; SAR(10 g) = 0.331 W/kg
Maximum value of SAR (measured) = 0.874 W/kg



0 dB = 0.874 W/kg = -0.58 dB dBW/kg

Test Plot 23#: WCDMA Band 2_Body Front_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

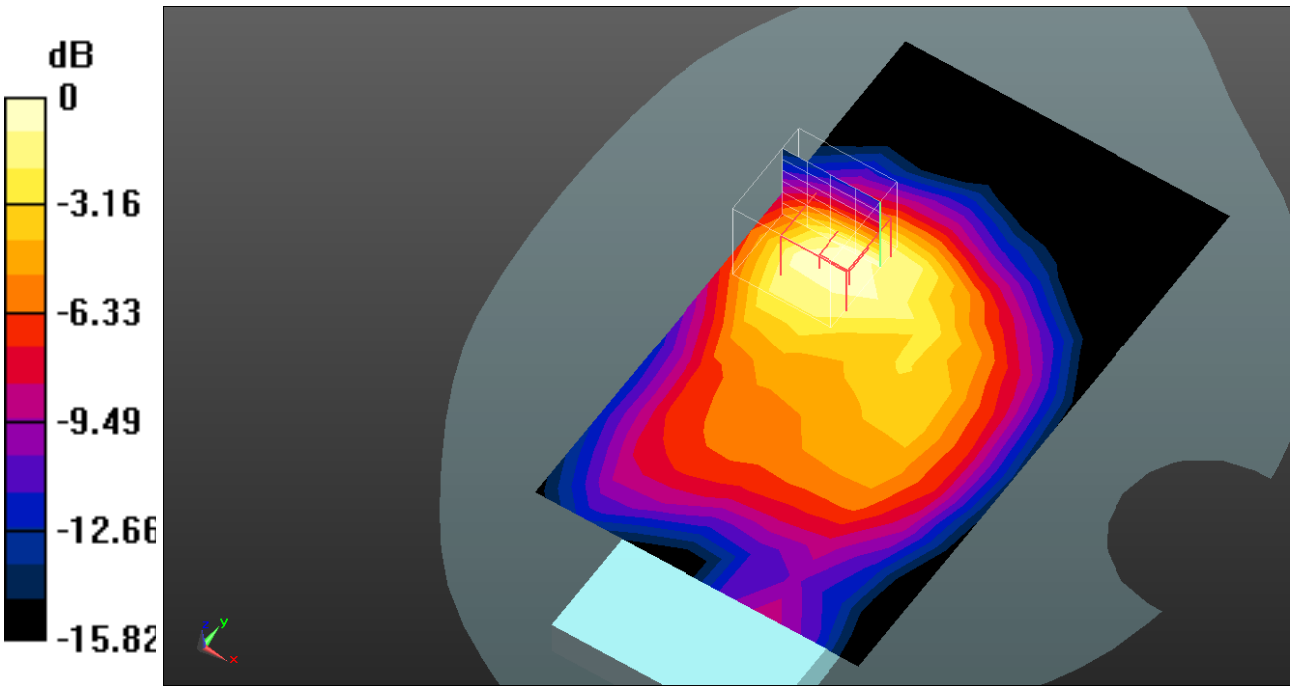
Communication System: WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.413 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.37 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 0.713 W/kg
SAR(1 g) = 0.434 W/kg; SAR(10 g) = 0.253 W/kg
Maximum value of SAR (measured) = 0.463 W/kg



0 dB = 0.463 W/kg = -3.34 dB dBW/kg

Test Plot 24#: WCDMA Band 2_Body Back_Low

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

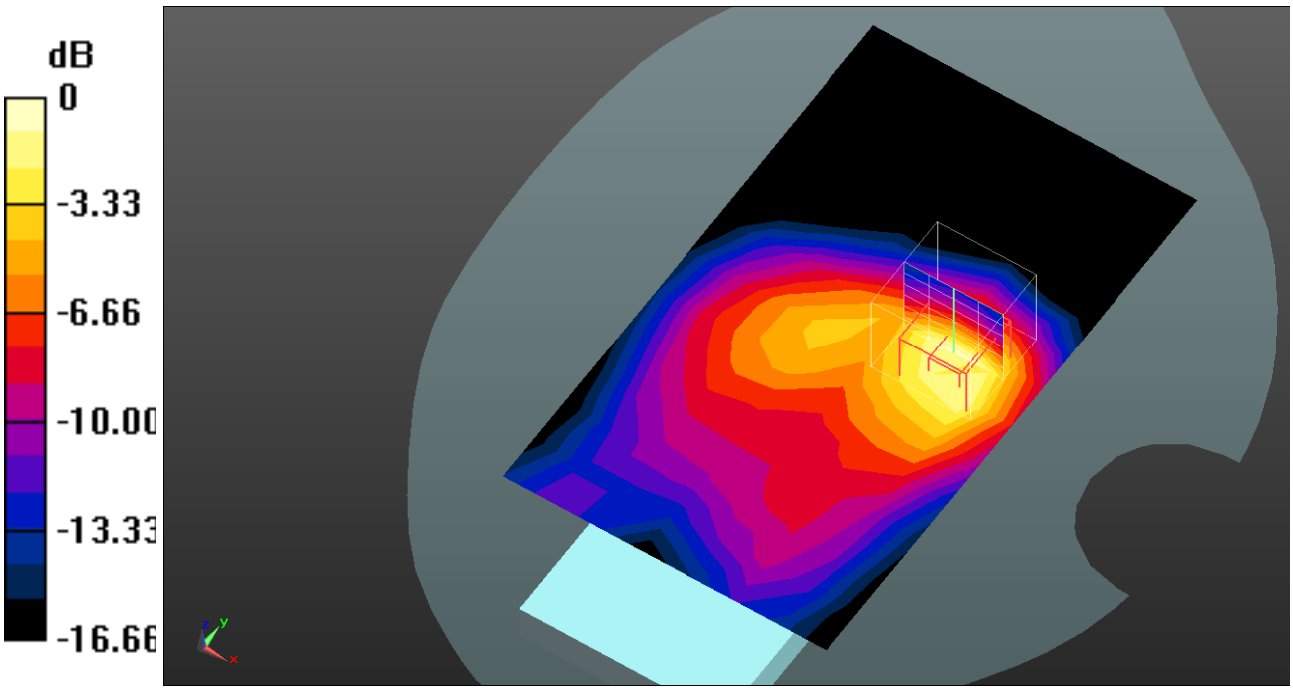
Communication System: WCDMA (0); Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1852.4 MHz; σ = 1.402 S/m; ε_r = 40.303; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1852.4 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.816 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.96 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 1.53 W/kg
SAR(1 g) = 0.888 W/kg; SAR(10 g) = 0.466 W/kg
Maximum value of SAR (measured) = 0.949 W/kg



0 dB = 0.949 W/kg = -0.23 dB dBW/kg

Test Plot 25#: WCDMA Band 2_Body Back_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

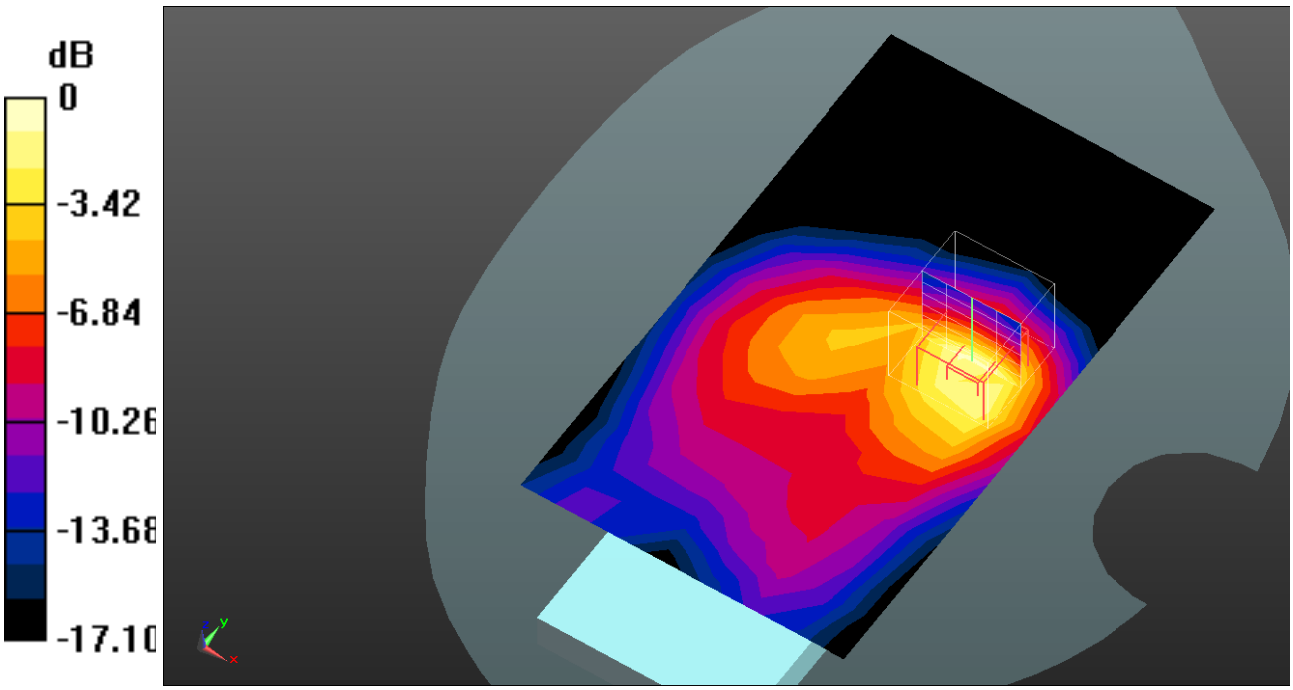
Communication System: WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used:f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.876 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.54 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.62 W/kg
SAR(1 g) = 0.932 W/kg; SAR(10 g) = 0.491 W/kg
Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg = 0.04 dB dBW/kg

Test Plot 26#: WCDMA Band 2_Body Back_High

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

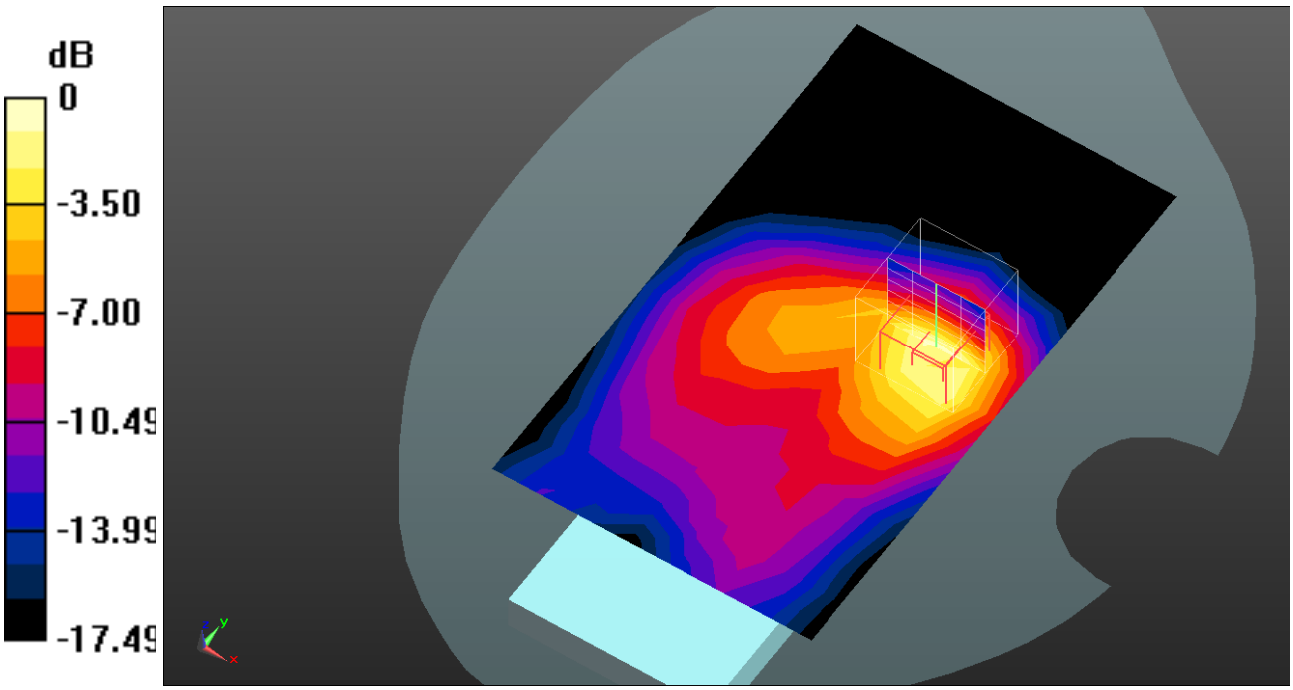
Communication System: WCDMA (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1907.6 MHz; σ = 1.443 S/m; ε_r = 39.039; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1907.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.953 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.28 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.75 W/kg
SAR(1 g) = 1 W/kg; SAR(10 g) = 0.528 W/kg
Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 1.10 W/kg = 0.41 dB dBW/kg

Test Plot 27#: WCDMA Band 2_Body Left_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

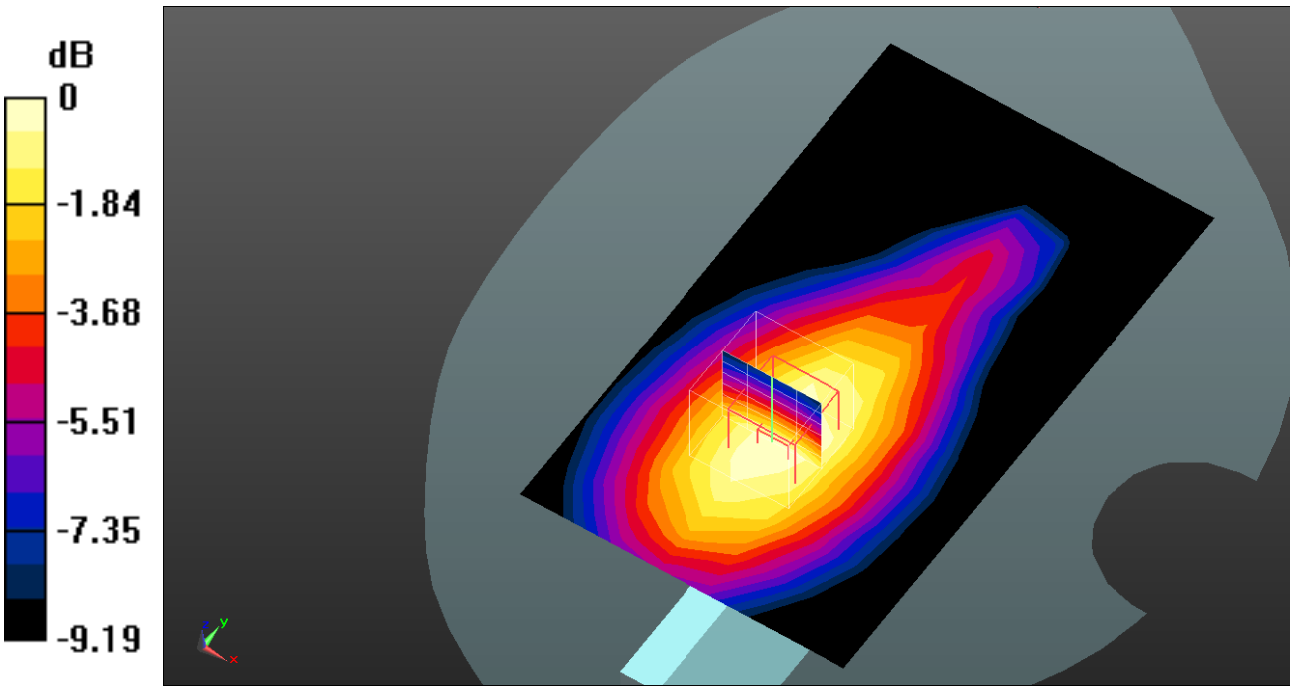
Communication System: WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x13x1): 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 = 10.32 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.286 W/kg
SAR(1 g) = 0.216 W/kg; SAR(10 g) = 0.153 W/kg
Maximum value of SAR (measured) = 0.229 W/kg



0 dB = 0.229 W/kg = -6.40 dB dBW/kg

Test Plot 28#: WCDMA Band 2_Body Top_Low

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

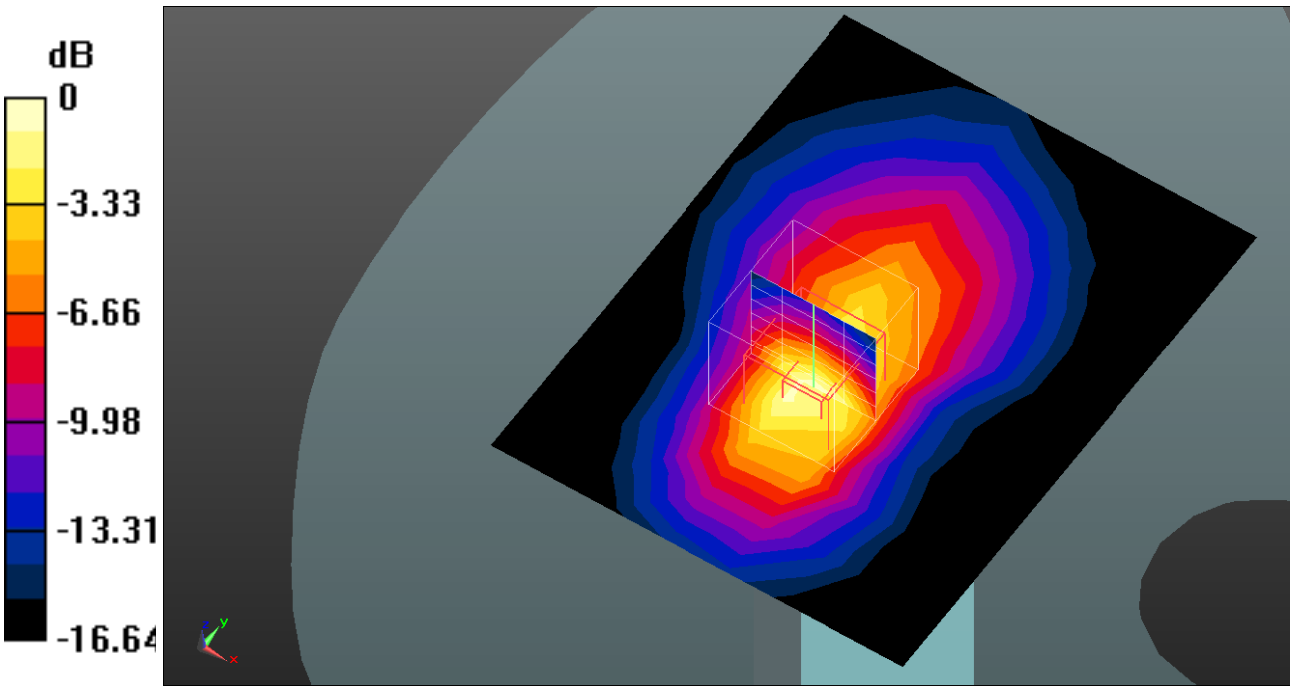
Communication System: WCDMA (0); Frequency: 1852.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1852.4 MHz; σ = 1.402 S/m; ε_r = 40.303; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1852.4 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.01 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.08 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.80 W/kg
SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.553 W/kg
Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.21 W/kg = 0.83 dB dBW/kg

Test Plot 29#: WCDMA Band 2_Body Top_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

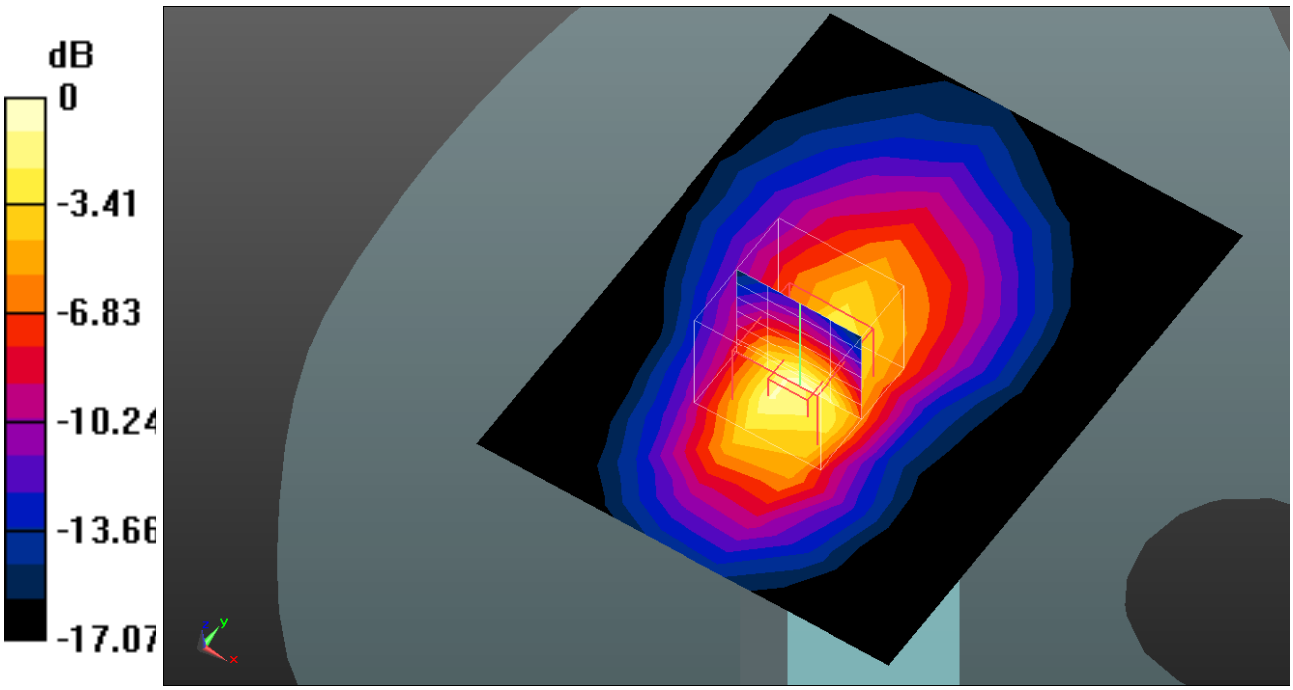
Communication System: WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used:f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.07 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.98 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 1.94 W/kg
SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.591 W/kg
Maximum value of SAR (measured) = 1.31 W/kg



0 dB = 1.31 W/kg = 1.17 dB dBW/kg

Test Plot 30#: WCDMA Band 2_Body Top_High

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

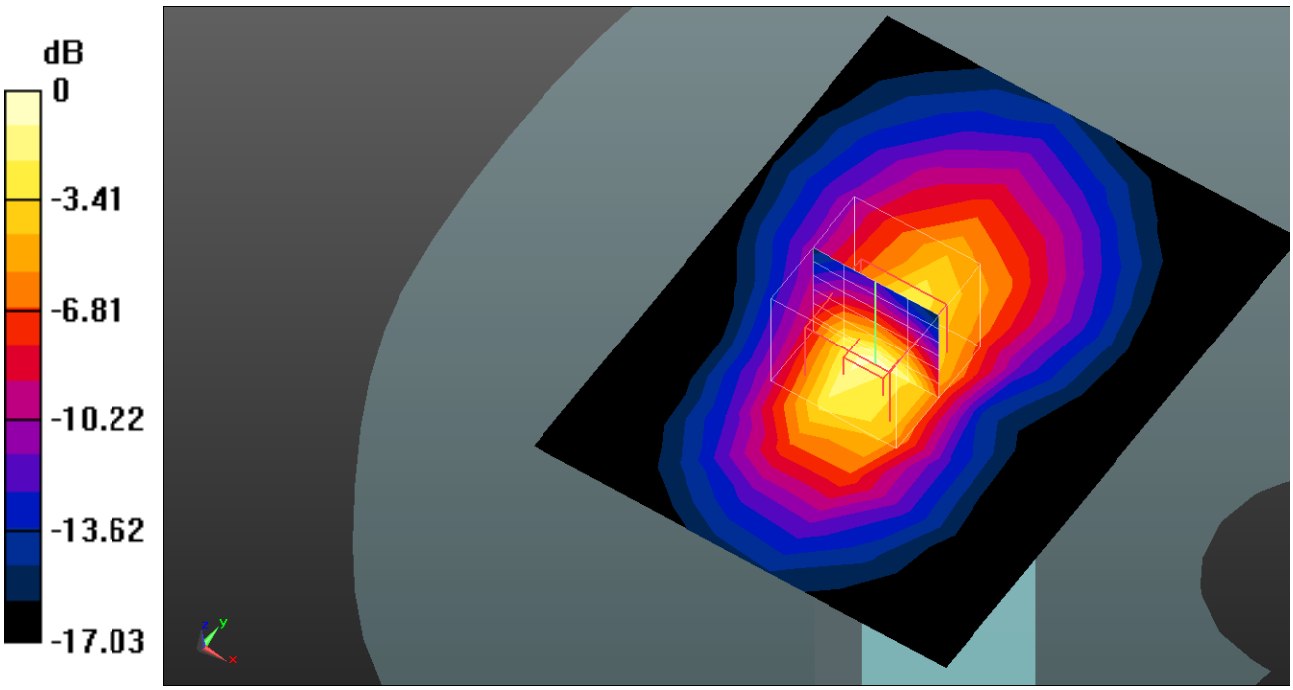
Communication System: WCDMA (0); Frequency: 1907.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1907.6 MHz; σ = 1.443 S/m; ε_r = 39.039; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1907.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.20 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.50 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 2.01 W/kg
SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.594 W/kg
Maximum value of SAR (measured) = 1.29 W/kg



0 dB = 1.29 W/kg = 1.11 dB dBW/kg

Test Plot 31#: WCDMA Band 4_Head Left Cheek_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

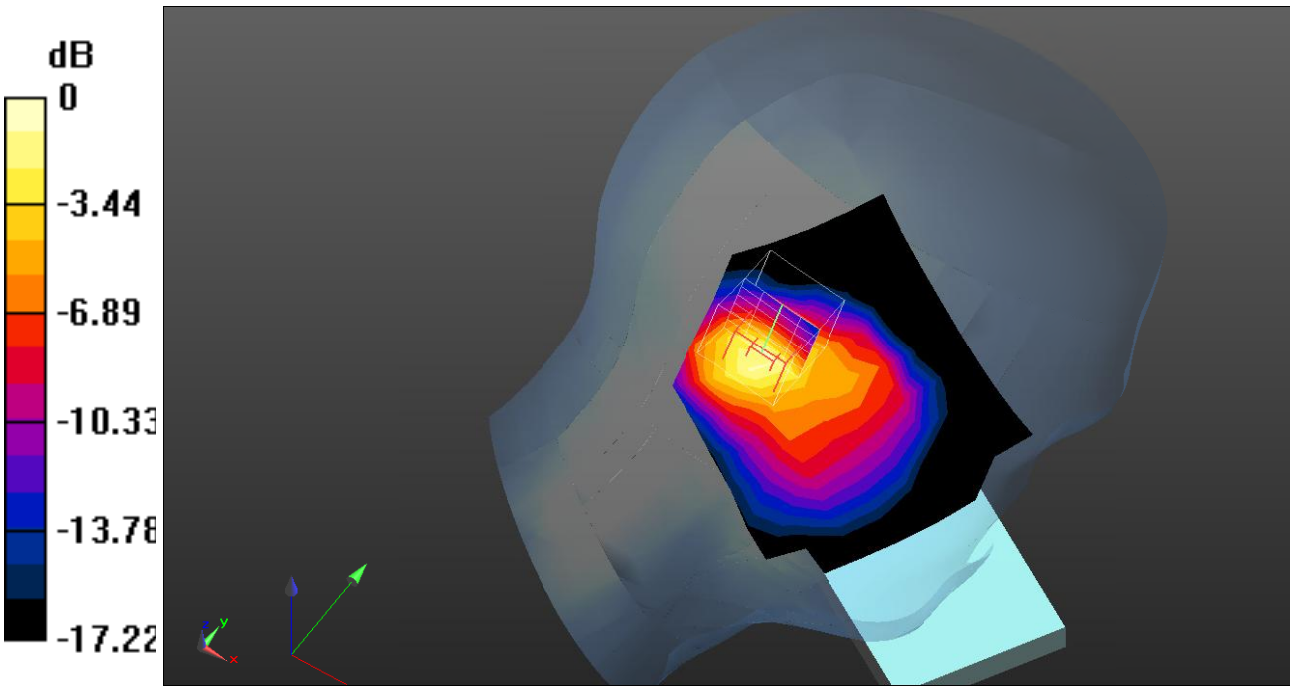
Communication System: WCDMA (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.6 MHz; σ = 1.393 S/m; ε_r = 39.09; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.280 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.52 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.542 W/kg
SAR(1 g) = 0.313 W/kg; SAR(10 g) = 0.162 W/kg
Maximum value of SAR (measured) = 0.350 W/kg



0 dB = 0.350 W/kg = -4.56 dB dBW/kg

Test Plot 32#: WCDMA Band 4_Head Left Tilt_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

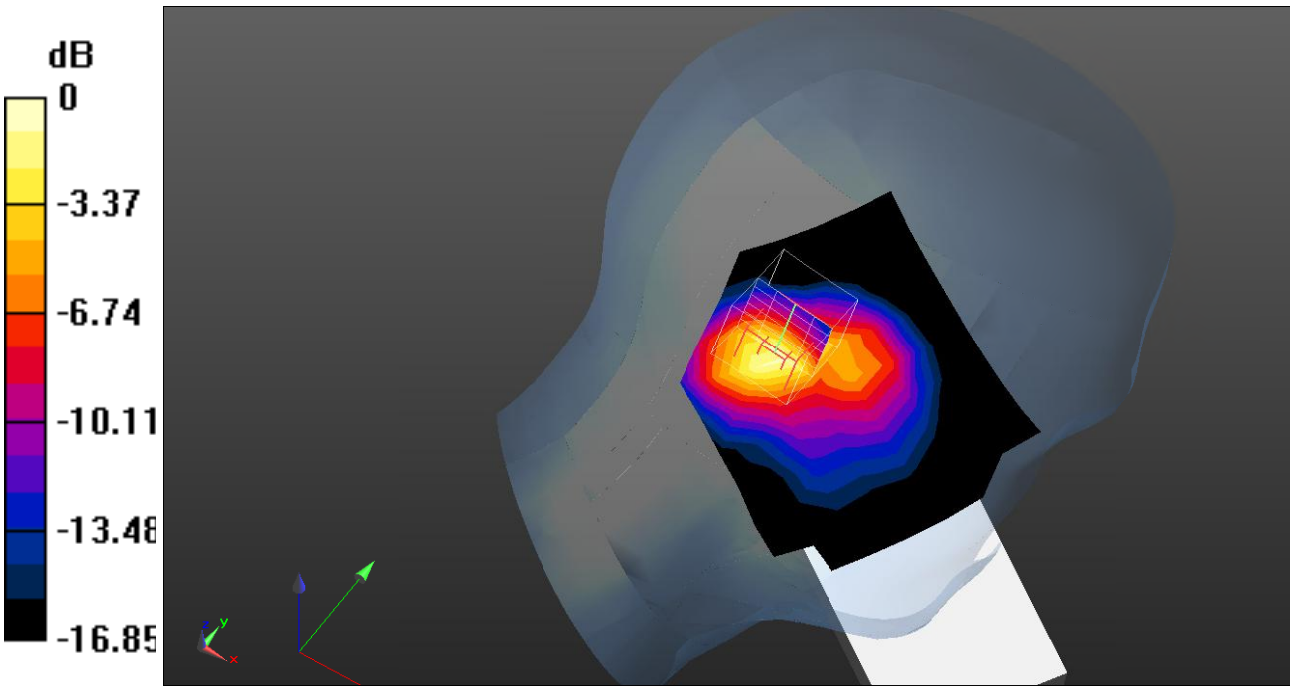
Communication System: WCDMA (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.6 MHz; σ = 1.393 S/m; ε_r = 39.09; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.392 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.53 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.710 W/kg
SAR(1 g) = 0.407 W/kg; SAR(10 g) = 0.206 W/kg
Maximum value of SAR (measured) = 0.457 W/kg



0 dB = 0.457 W/kg = -3.40 dB dBW/kg

Test Plot 33#: WCDMA Band 4_Head Right Cheek_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

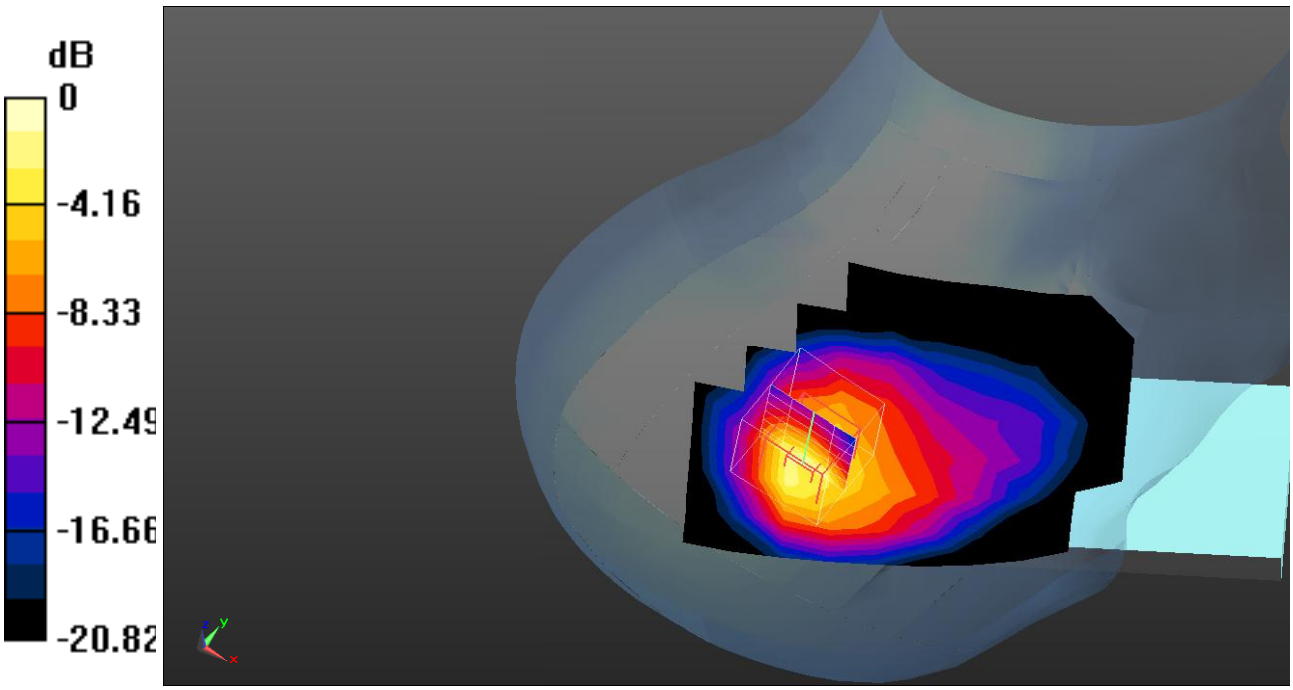
Communication System: WCDMA (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.6 MHz; σ = 1.393 S/m; ε_r = 39.09; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.373 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.858 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 1.01 W/kg
SAR(1 g) = 0.543 W/kg; SAR(10 g) = 0.256 W/kg
Maximum value of SAR (measured) = 0.617 W/kg



0 dB = 0.617 W/kg = -2.10 dB dBW/kg

Test Plot 34#: WCDMA Band 4_Head Right Tilt_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

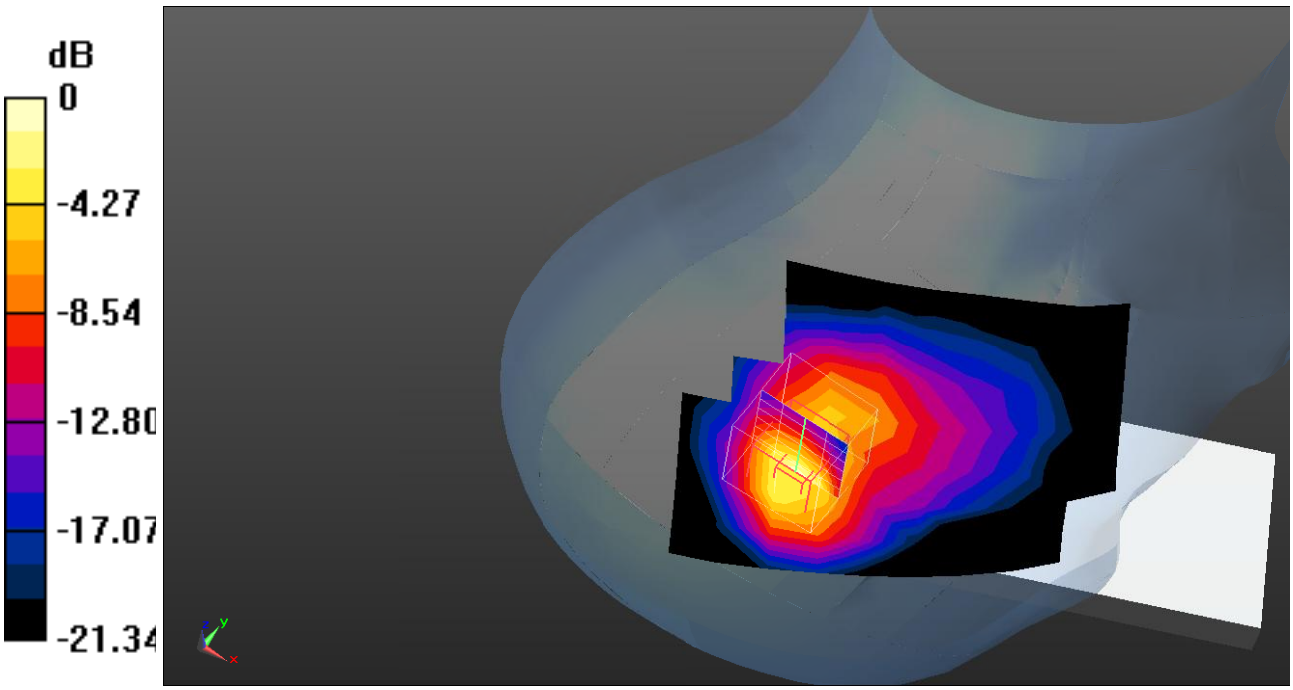
Communication System: WCDMA (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.6 MHz; σ = 1.393 S/m; ε_r = 39.09; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.413 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.96 V/m; Power Drift = 0.1 dB
Peak SAR (extrapolated) = 1.29 W/kg
SAR(1 g) = 0.667 W/kg; SAR(10 g) = 0.305 W/kg
Maximum value of SAR (measured) = 0.776 W/kg



0 dB = 0.776 W/kg = -1.10 dB dBW/kg

Test Plot 35#: WCDMA Band 4_Body Front_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

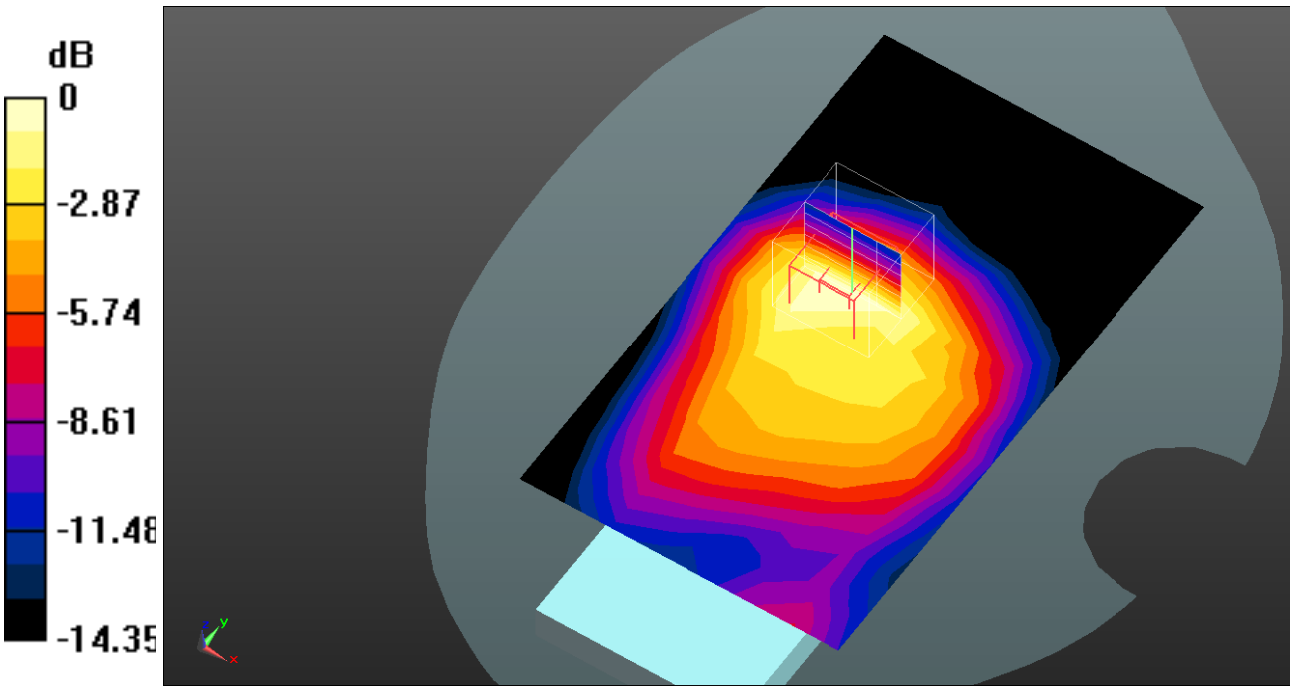
Communication System: WCDMA (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.6 MHz; σ = 1.393 S/m; ε_r = 39.09; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.480 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.60 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.680 W/kg
SAR(1 g) = 0.437 W/kg; SAR(10 g) = 0.260 W/kg
Maximum value of SAR (measured) = 0.470 W/kg



0 dB = 0.470 W/kg = -3.28 dB dBW/kg

Test Plot 36#: WCDMA Band 4_Body Back_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

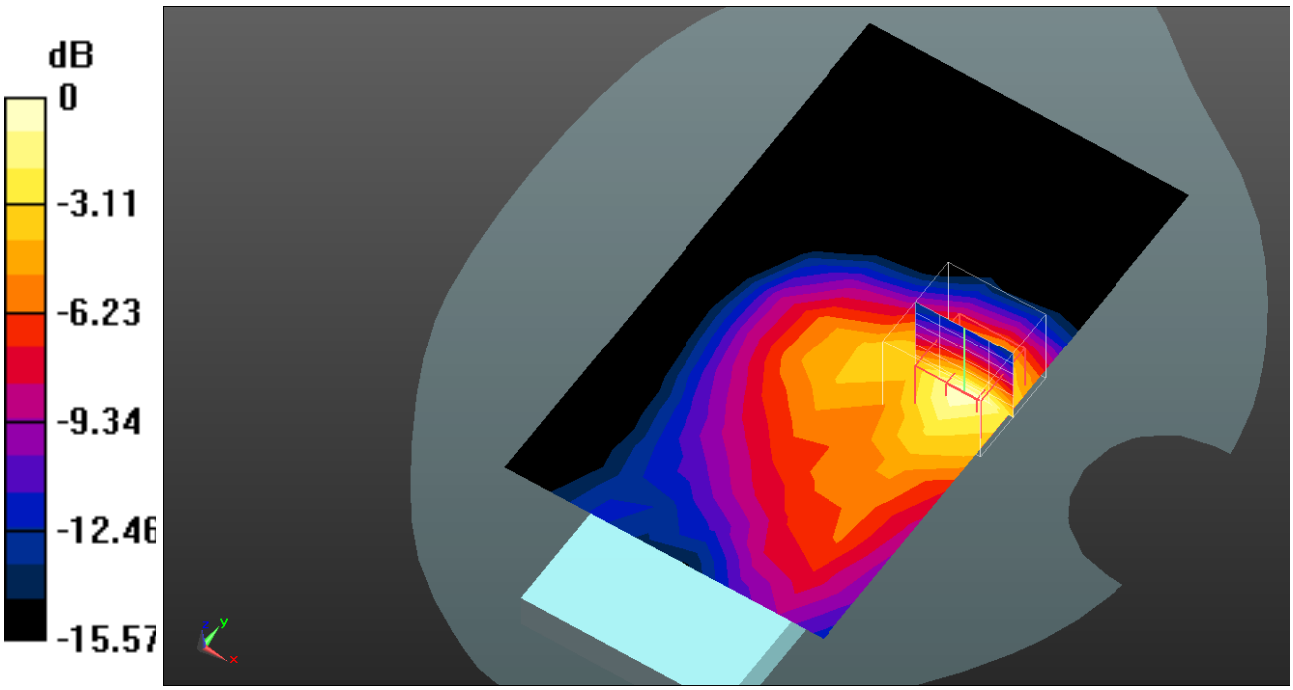
Communication System: WCDMA (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium parameters used:f = 1732.6 MHz; σ = 1.393 S/m; ε_r = 39.09; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.851 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.32 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.32 W/kg
SAR(1 g) = 0.781 W/kg; SAR(10 g) = 0.403 W/kg
Maximum value of SAR (measured) = 0.853 W/kg



0 dB = 0.853 W/kg = -0.69 dB dBW/kg

Test Plot 37#: WCDMA Band 4_Body Left_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

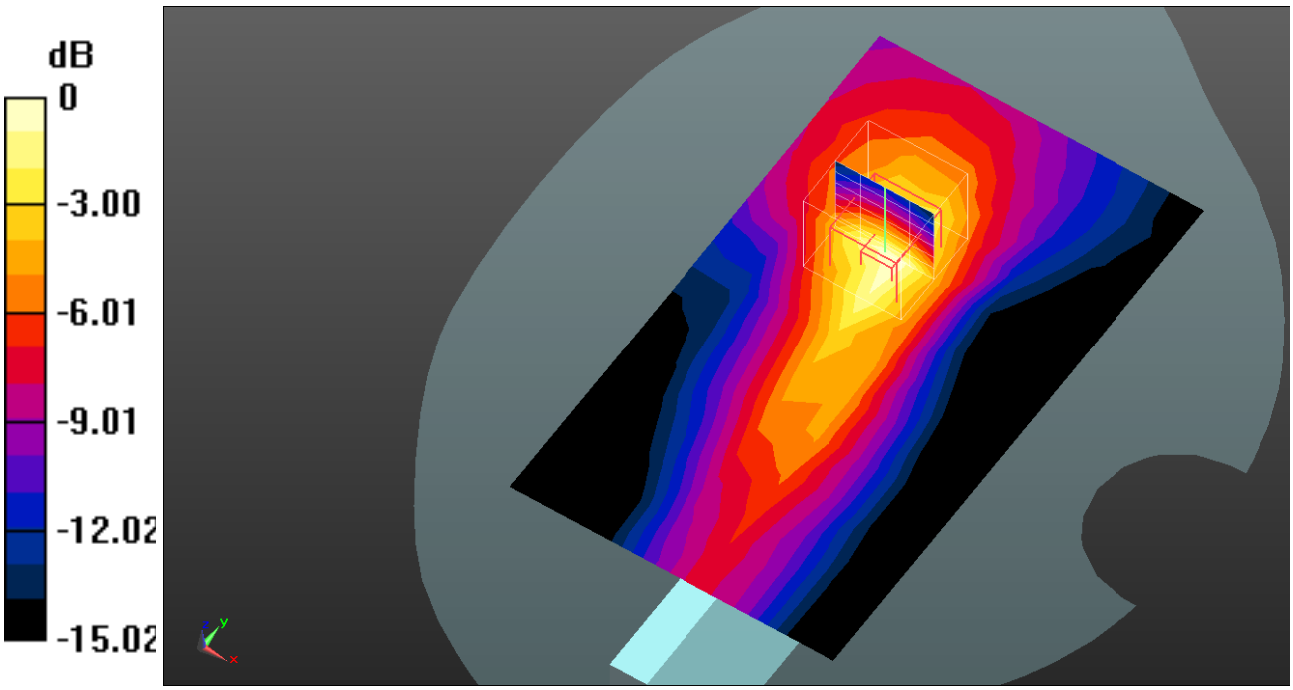
Communication System: WCDMA (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.6 MHz; σ = 1.393 S/m; ε_r = 39.09; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.267 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.189 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.399 W/kg
SAR(1 g) = 0.246 W/kg; SAR(10 g) = 0.136 W/kg
Maximum value of SAR (measured) = 0.265 W/kg



0 dB = 0.265 W/kg = -5.77 dB dBW/kg

Test Plot 38#: WCDMA Band 4_Body Top_Low

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

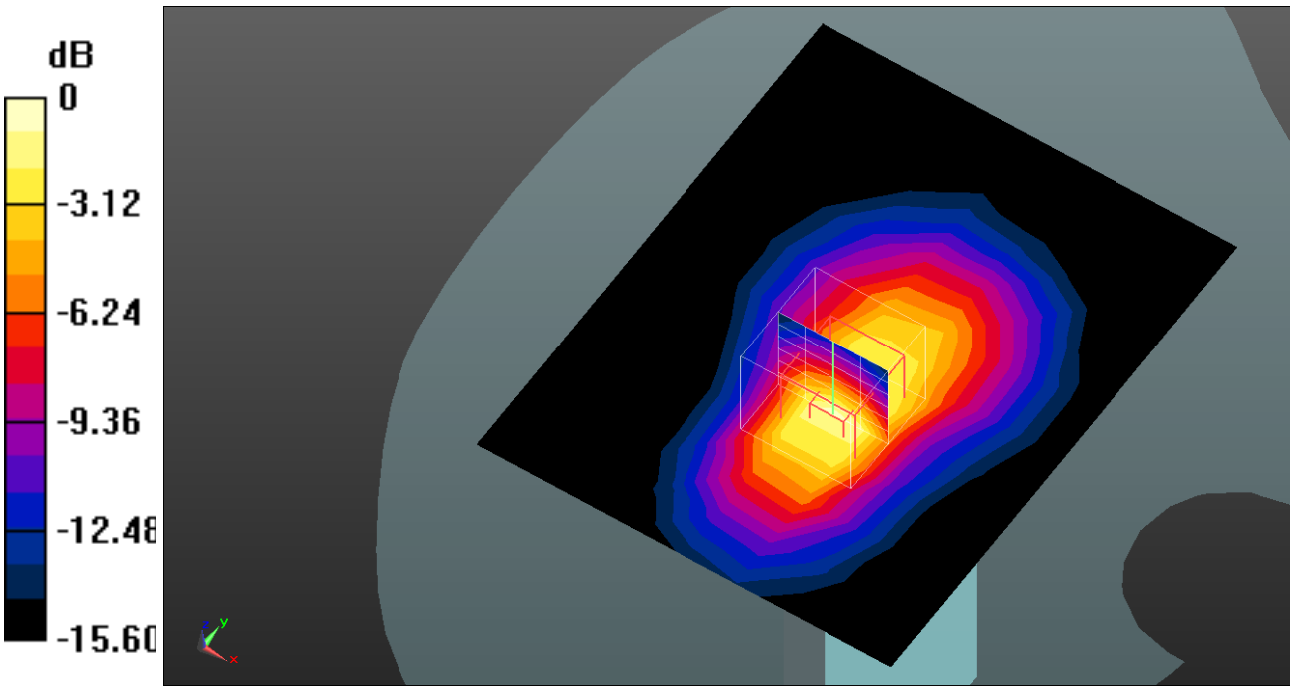
Communication System: WCDMA (0); Frequency: 1712.4 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1712.4 MHz; σ = 1.353 S/m; ε_r = 40.126; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1712.4 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.721 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.52 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 1.47 W/kg
SAR(1 g) = 0.923 W/kg; SAR(10 g) = 0.499 W/kg
Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.02 W/kg = 0.09 dB dBW/kg

Test Plot 39#: WCDMA Band 4_Body Top_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

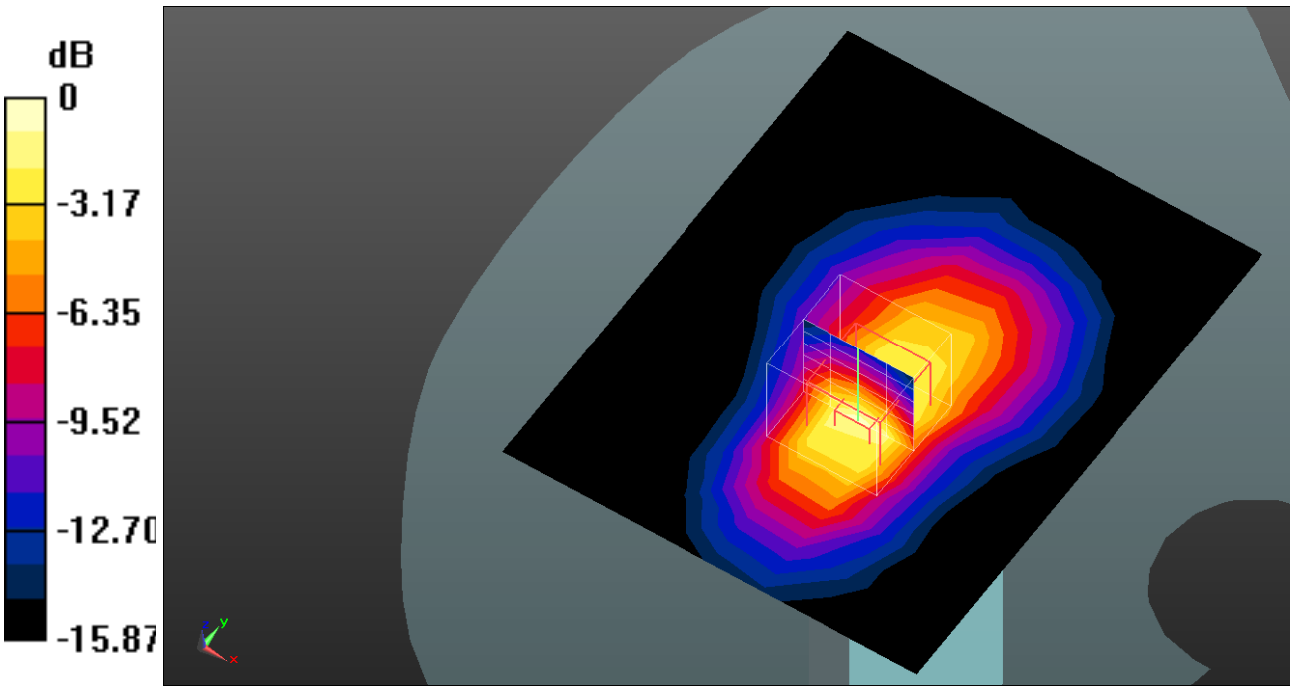
Communication System: WCDMA (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1
Medium parameters used:f = 1732.6 MHz; σ = 1.393 S/m; ε_r = 39.09; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.722 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 24.46 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 1.51 W/kg
SAR(1 g) = 0.931 W/kg; SAR(10 g) = 0.498 W/kg
Maximum value of SAR (measured) = 1.03 W/kg



0 dB = 1.03 W/kg = 0.13 dB dBW/kg

Test Plot 40#: WCDMA Band 4_Body Top_High

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

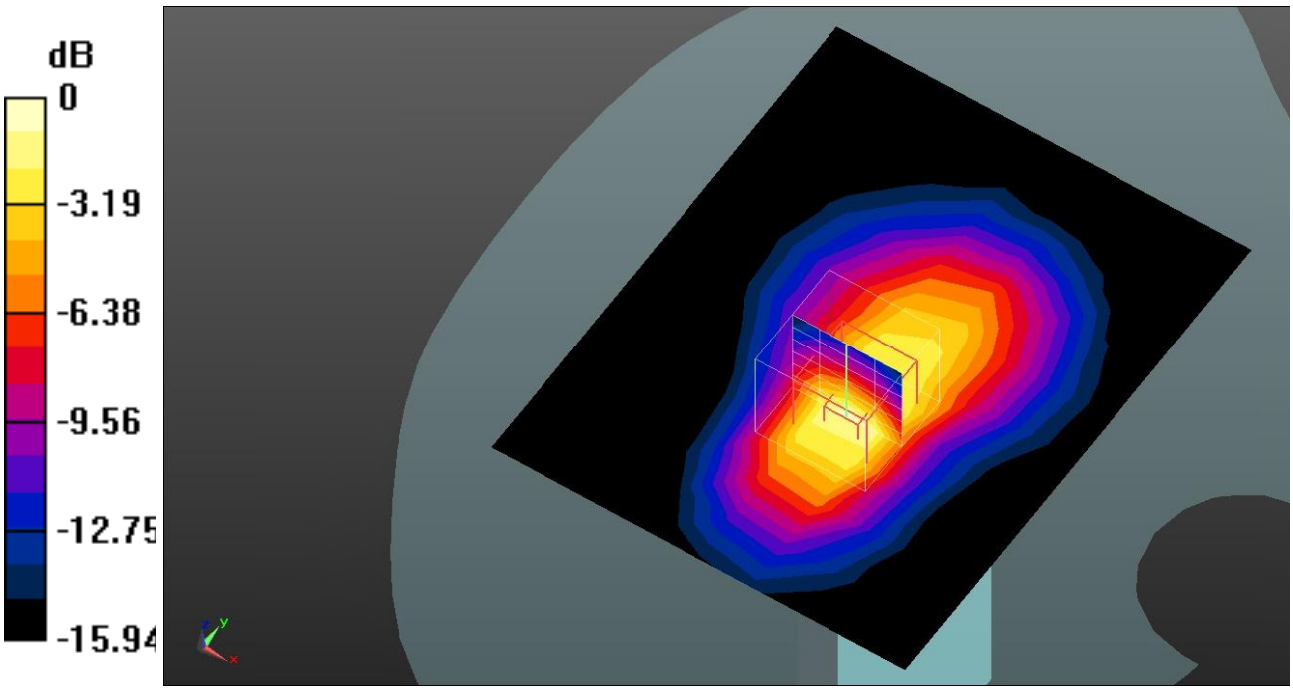
Communication System: WCDMA (0); Frequency: 1752.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1752.6 MHz; σ = 1.391 S/m; ε_r = 40.192; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1752.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.697 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 23.75 V/m; Power Drift = 0 dB
Peak SAR (extrapolated) = 1.47 W/kg
SAR(1 g) = 0.900 W/kg; SAR(10 g) = 0.480 W/kg
Maximum value of SAR (measured) = 0.998 W/kg



0 dB = 0.998 W/kg = -0.01 dB dBW/kg

Test Plot 41#: WCDMA Band 5_Head Left Cheek_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

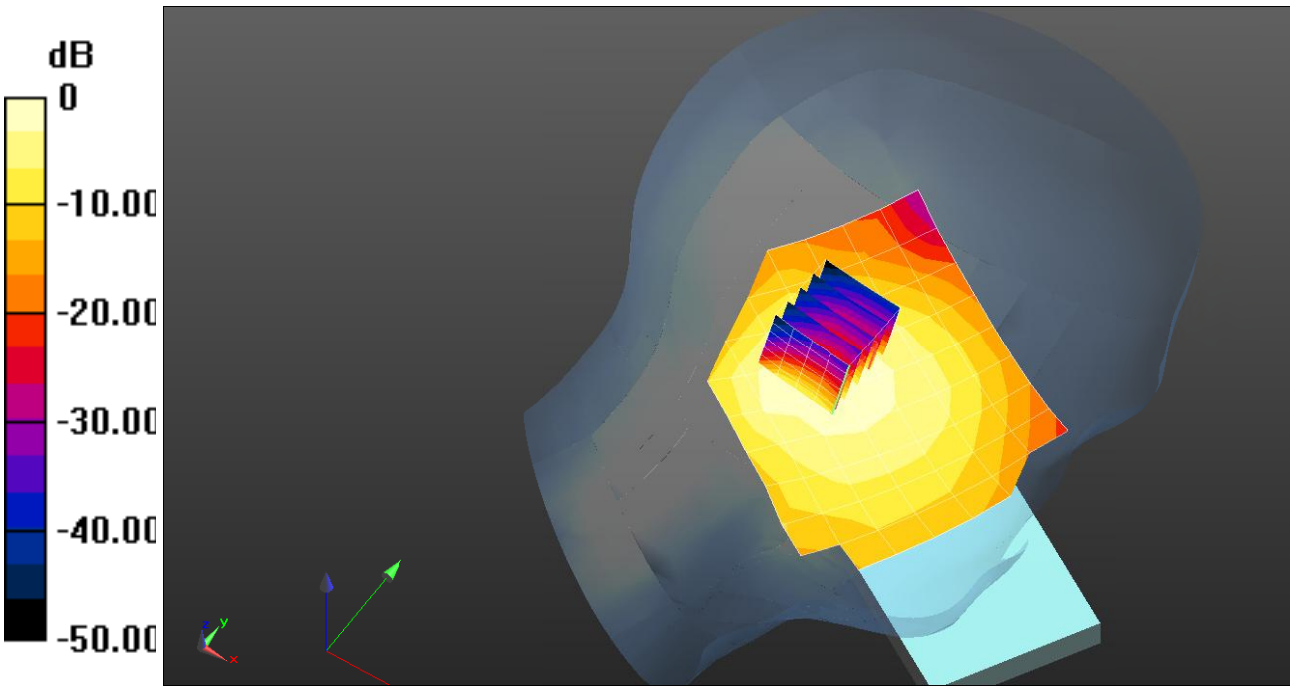
Communication System: WCDMA (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.931 S/m; ε_r = 41.539; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.263 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.24 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.372 W/kg
SAR(1 g) = 0.233 W/kg; SAR(10 g) = 0.145 W/kg
Maximum value of SAR (measured) = 0.263 W/kg



0 dB = 0.263 W/kg = -5.80 dB dBW/kg

Test Plot 42#: WCDMA Band 5_Head Left Tilt_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

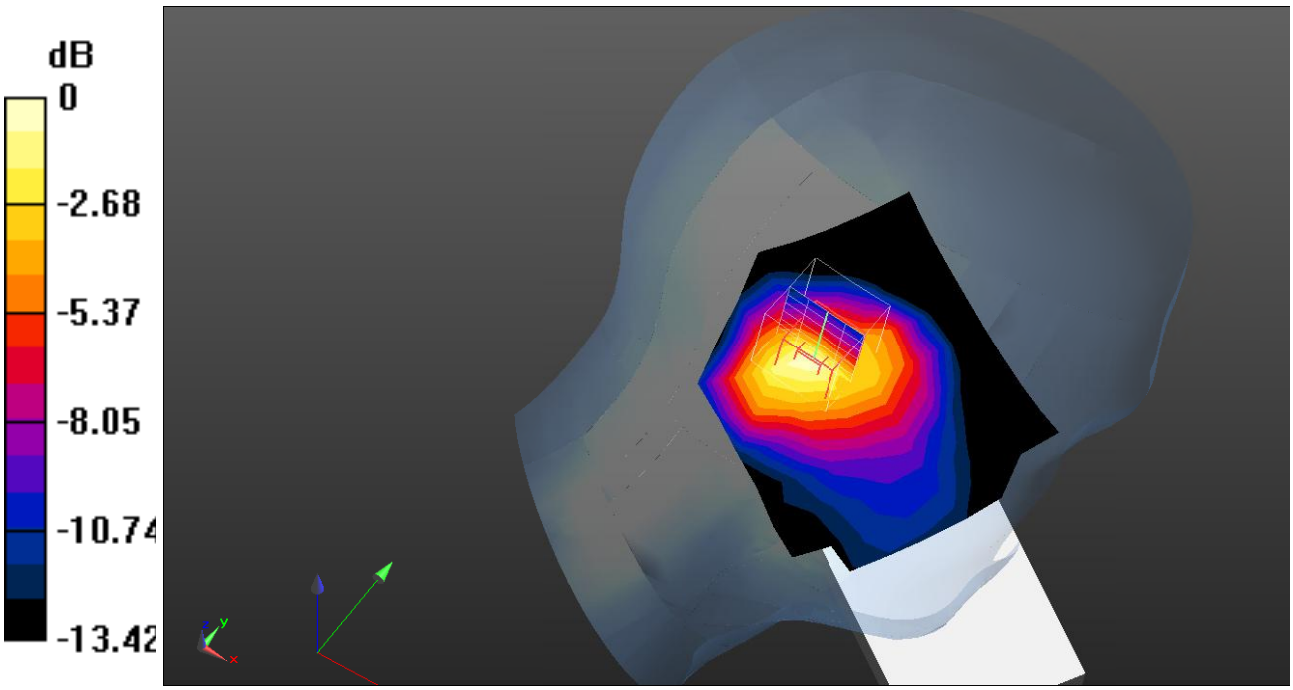
Communication System: WCDMA (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.931 S/m; ε_r = 41.539; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.258 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.16 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.353 W/kg
SAR(1 g) = 0.213 W/kg; SAR(10 g) = 0.125 W/kg
Maximum value of SAR (measured) = 0.244 W/kg



0 dB = 0.244 W/kg = -6.13 dB dBW/kg

Test Plot 43#: WCDMA Band 5_Head Right Cheek_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

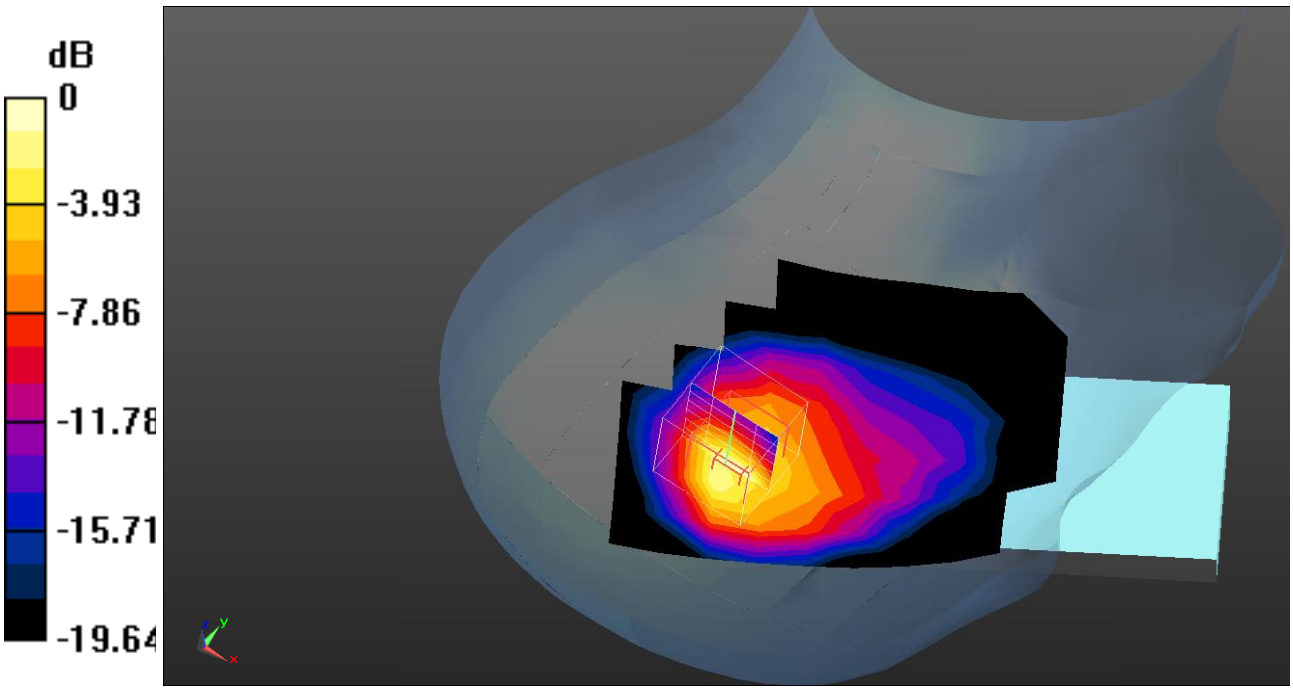
Communication System: WCDMA (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.931 S/m; ε_r = 41.539; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.237 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.019 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.590 W/kg
SAR(1 g) = 0.313 W/kg; SAR(10 g) = 0.149 W/kg
Maximum value of SAR (measured) = 0.330 W/kg



0 dB = 0.330 W/kg = -4.81 dB dBW/kg

Test Plot 44#: WCDMA Band 5_Head Right Tilt_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

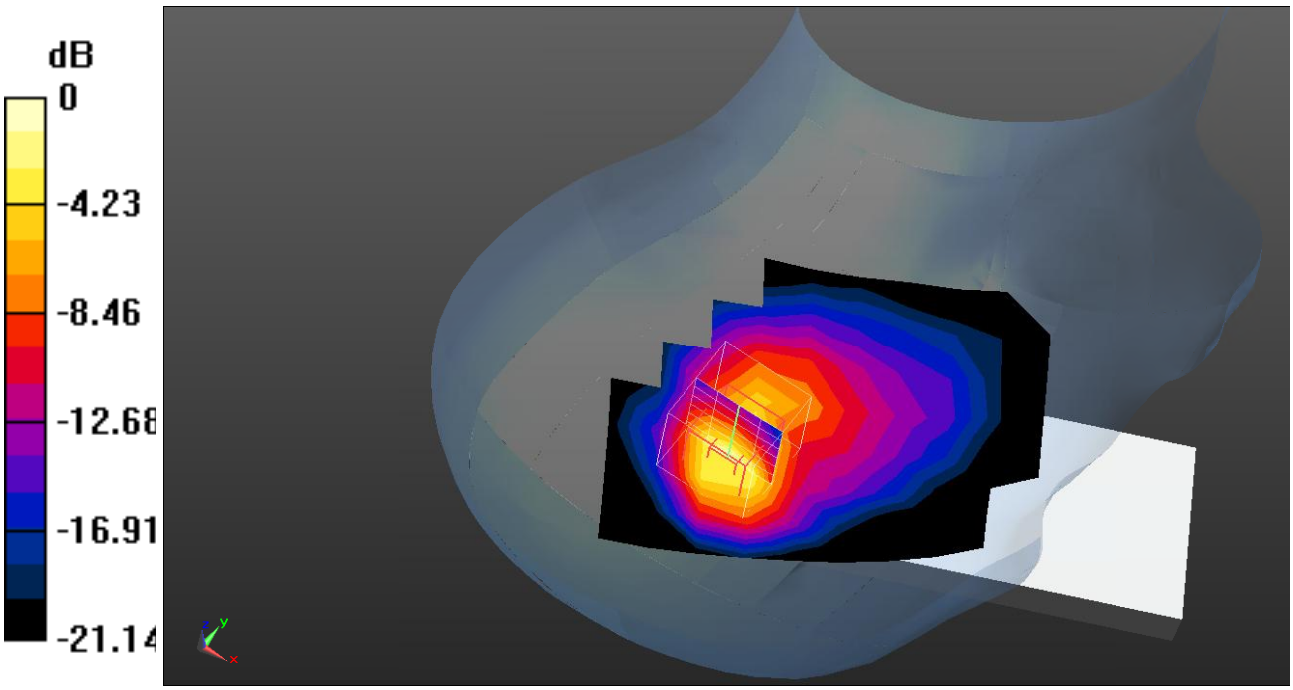
Communication System: WCDMA (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.931 S/m; ε_r = 41.539; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.268 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.06 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.733 W/kg
SAR(1 g) = 0.383 W/kg; SAR(10 g) = 0.177 W/kg
Maximum value of SAR (measured) = 0.451 W/kg



0 dB = 0.451 W/kg = -3.46 dB dBW/kg

Test Plot 45#: WCDMA Band 5_Body Front_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

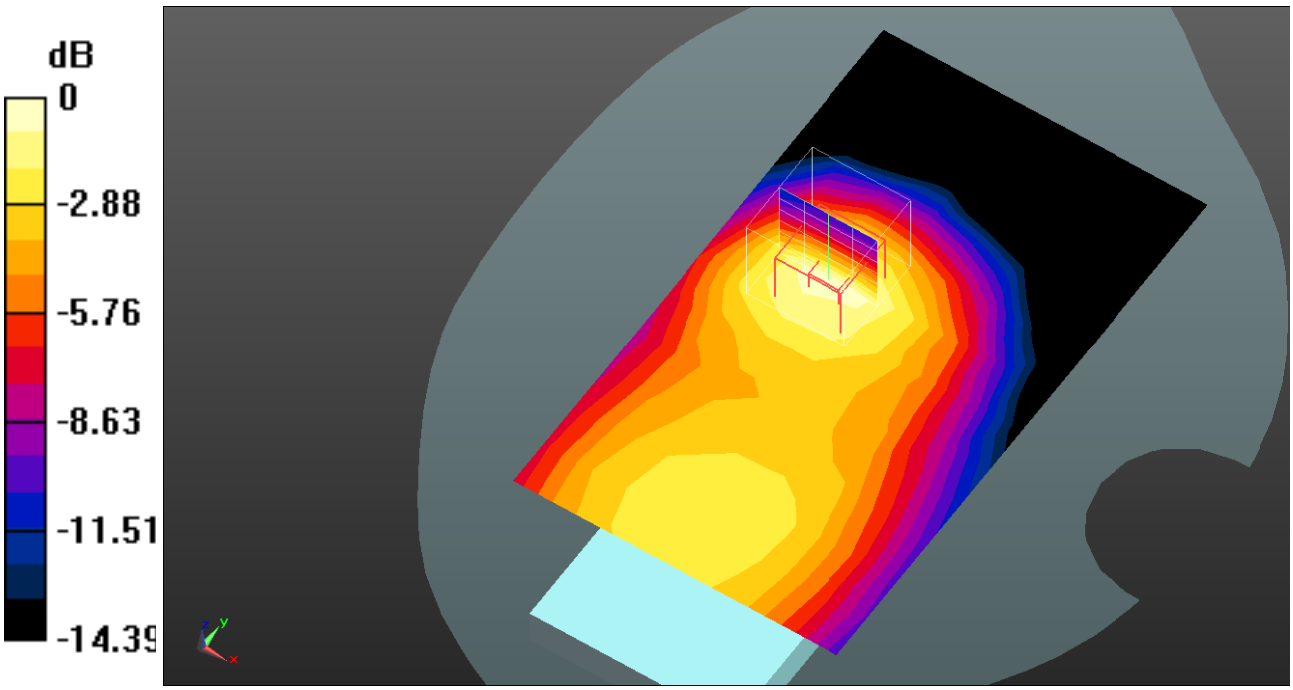
Communication System: WCDMA (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.931 S/m; ε_r = 41.539; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.168 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.46 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.256 W/kg
SAR(1 g) = 0.163 W/kg; SAR(10 g) = 0.102 W/kg
Maximum value of SAR (measured) = 0.175 W/kg



0 dB = 0.175 W/kg = -7.57 dB dBW/kg

Test Plot 46#: WCDMA Band 5_Body Back_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

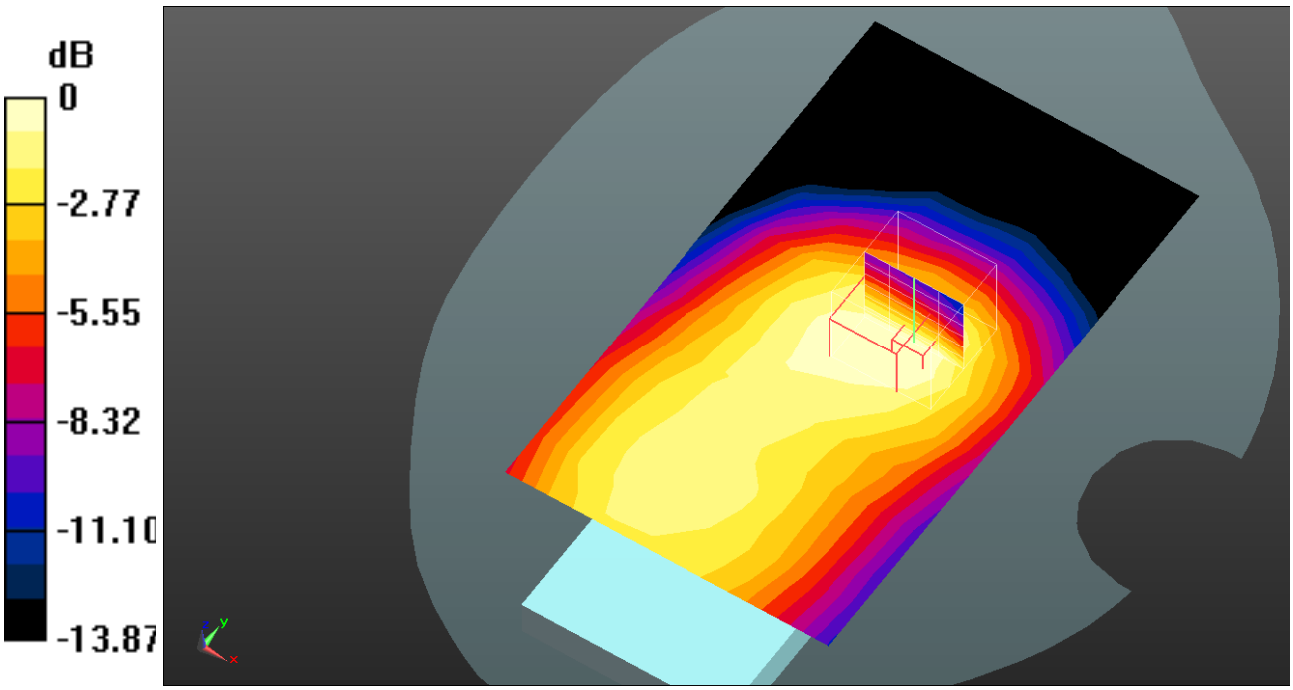
Communication System: WCDMA (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.931 S/m; ε_r = 41.539; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.131 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.92 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 0.190 W/kg
SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.085 W/kg
Maximum value of SAR (measured) = 0.131 W/kg



0 dB = 0.131 W/kg = -8.83 dB dBW/kg

Test Plot 47#: WCDMA Band 5_Body Left_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

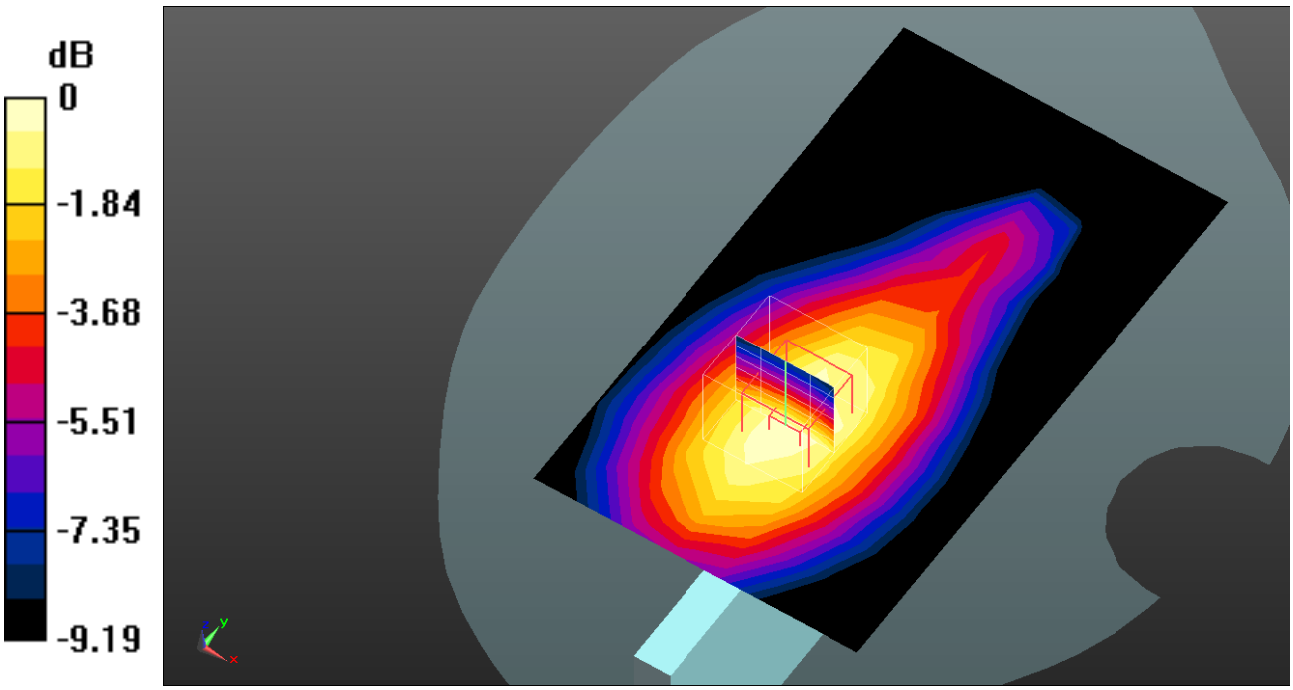
Communication System: WCDMA (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.931 S/m; ε_r = 41.539; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.123 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.476 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.152 W/kg
SAR(1 g) = 0.116 W/kg; SAR(10 g) = 0.081 W/kg
Maximum value of SAR (measured) = 0.123 W/kg



0 dB = 0.123 W/kg = -9.10 dB dBW/kg

Test Plot 48#: WCDMA Band 5_Body Top_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

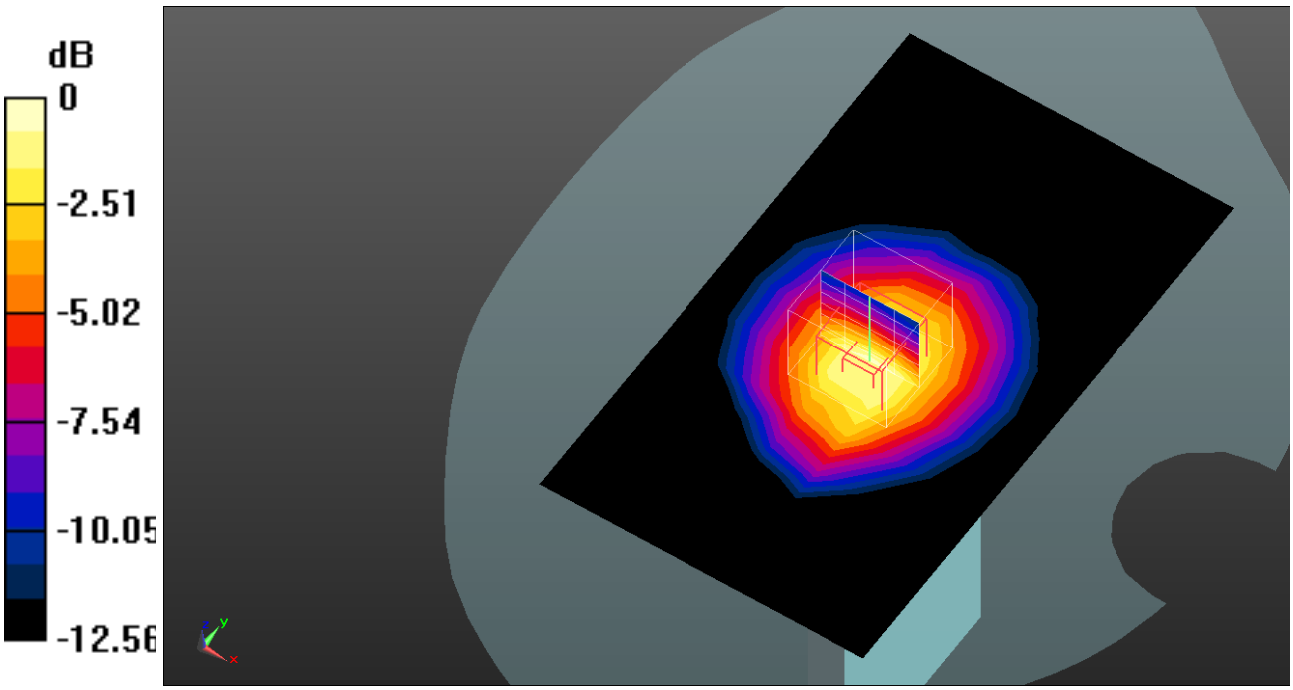
Communication System: WCDMA (0); Frequency: 836.6 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.6 MHz; σ = 0.931 S/m; ε_r = 41.539; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.6 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.167 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.18 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.301 W/kg
SAR(1 g) = 0.190 W/kg; SAR(10 g) = 0.116 W/kg
Maximum value of SAR (measured) = 0.207 W/kg



0 dB = 0.207 W/kg = -6.84 dB dBW/kg

Test Plot 49#: LTE Band 2_Head Left Cheek_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

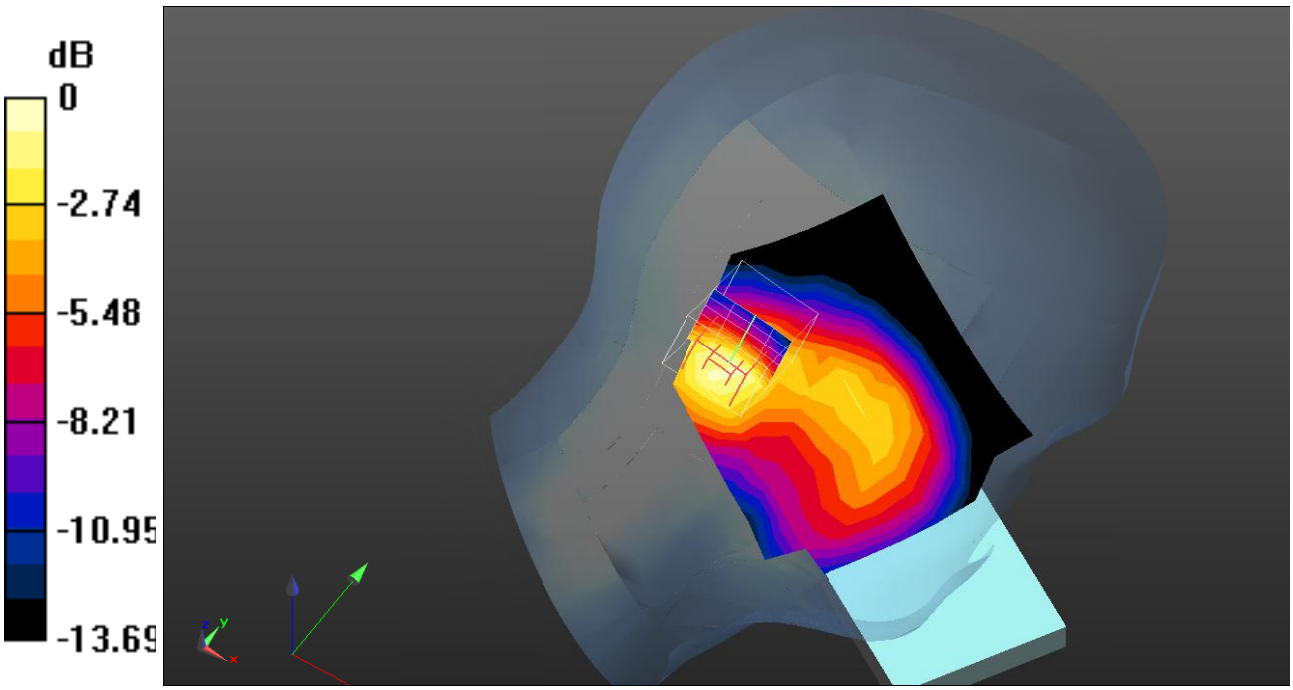
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.305 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.61 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.512 W/kg
SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.203 W/kg
Maximum value of SAR (measured) = 0.353 W/kg



0 dB = 0.353 W/kg = -4.52 dB dBW/kg

Test Plot 50#: LTE Band 2_Head Left Cheek_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

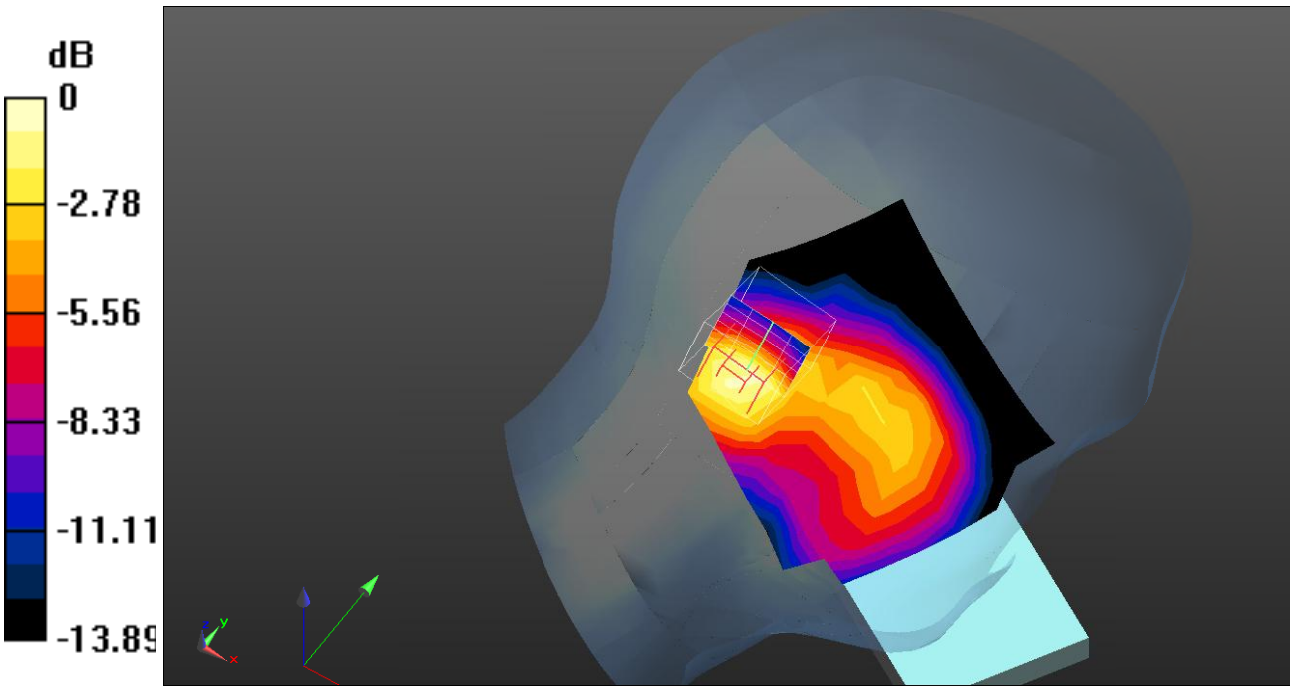
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.236 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.269 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.398 W/kg
SAR(1 g) = 0.258 W/kg; SAR(10 g) = 0.158 W/kg
Maximum value of SAR (measured) = 0.274 W/kg



0 dB = 0.274 W/kg = -5.62 dB dBW/kg

Test Plot 51#: LTE Band 2_Head Left Tilt_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

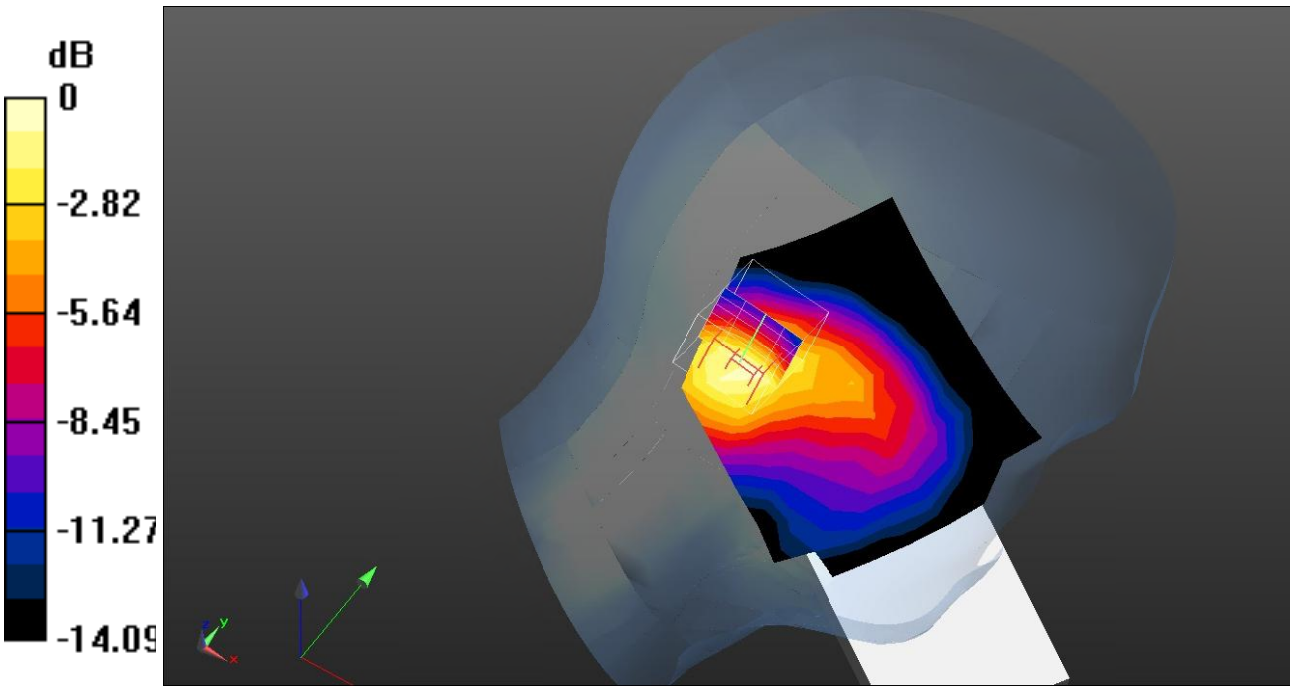
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): 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 = 10.98 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.498 W/kg
SAR(1 g) = 0.344 W/kg; SAR(10 g) = 0.211 W/kg
Maximum value of SAR (measured) = 0.363 W/kg



0 dB = 0.363 W/kg = -4.40 dB dBW/kg

Test Plot 52#: LTE Band 2_Head Left Tilt_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

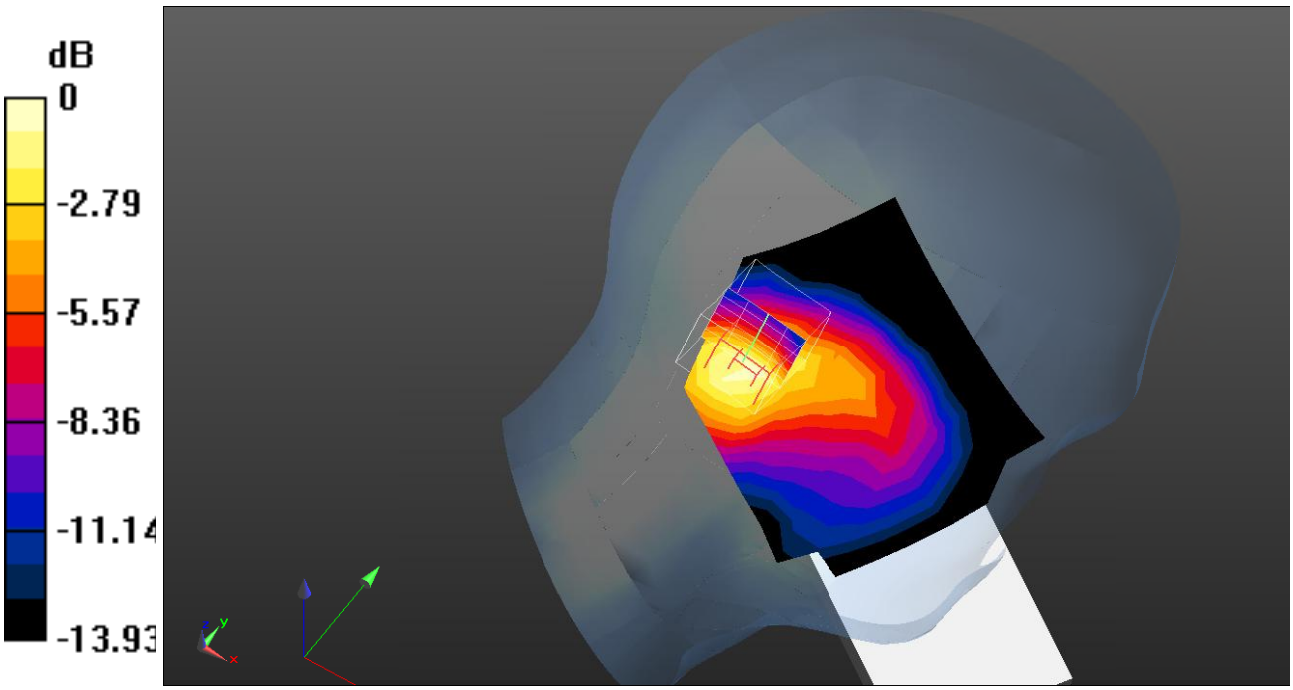
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.255 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.767 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.393 W/kg
SAR(1 g) = 0.271 W/kg; SAR(10 g) = 0.165 W/kg
Maximum value of SAR (measured) = 0.287 W/kg



0 dB = 0.287 W/kg = -5.42 dB dBW/kg

Test Plot 53#: LTE Band 2_Head Right Cheek_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

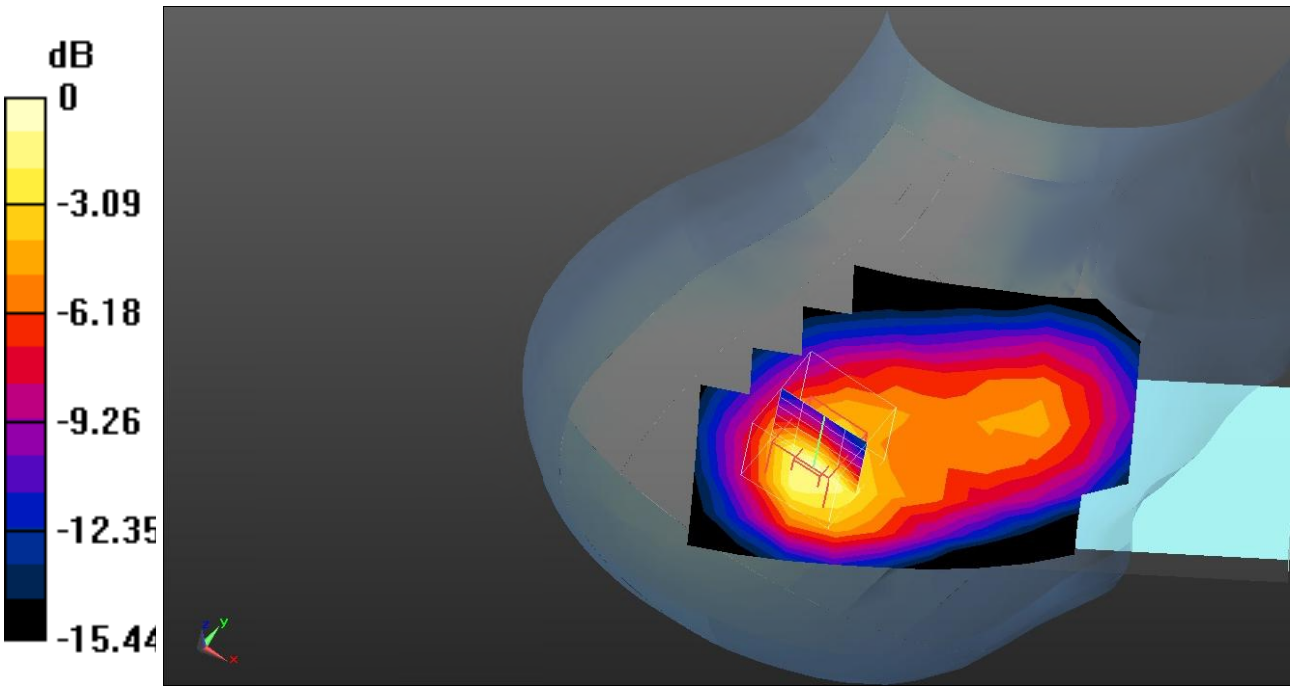
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.442 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.45 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.855 W/kg
SAR(1 g) = 0.552 W/kg; SAR(10 g) = 0.309 W/kg
Maximum value of SAR (measured) = 0.629 W/kg



0 dB = 0.629 W/kg = -2.01 dB dBW/kg

Test Plot 54#: LTE Band 2_Head Right Cheek_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

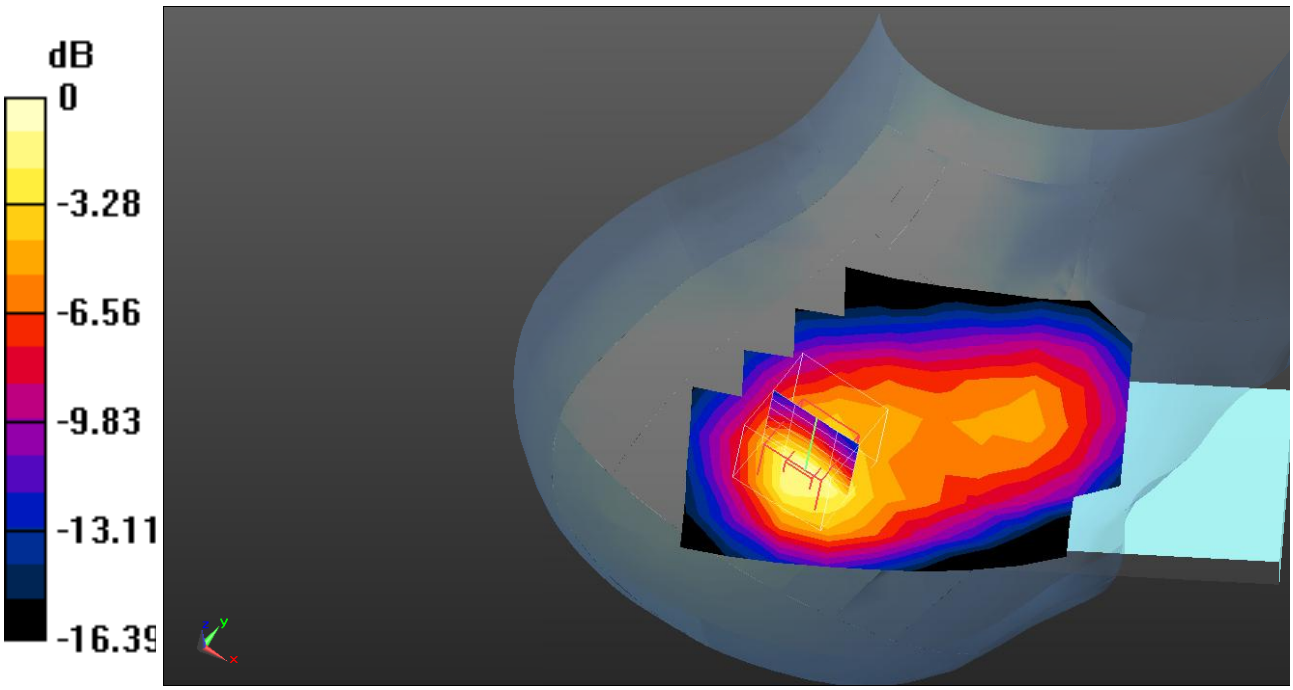
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.341 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.02 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.671 W/kg
SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.240 W/kg
Maximum value of SAR (measured) = 0.490 W/kg



0 dB = 0.490 W/kg = -3.10 dB dBW/kg

Test Plot 55#: LTE Band 2_Head Right Tilt_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

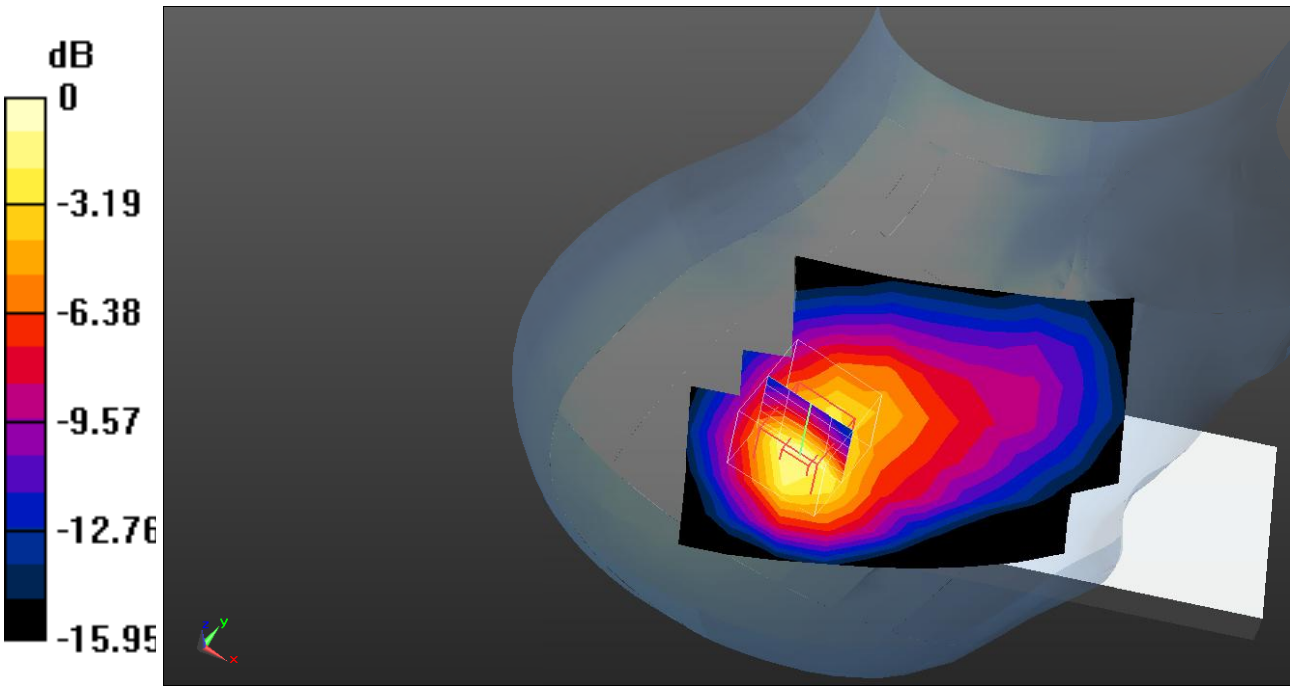
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.637 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.96 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 1.06 W/kg
SAR(1 g) = 0.683 W/kg; SAR(10 g) = 0.381 W/kg
Maximum value of SAR (measured) = 0.774 W/kg



0 dB = 0.774 W/kg = -1.11 dB dBW/kg

Test Plot 56#: LTE Band 2_Head Right Tilt_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

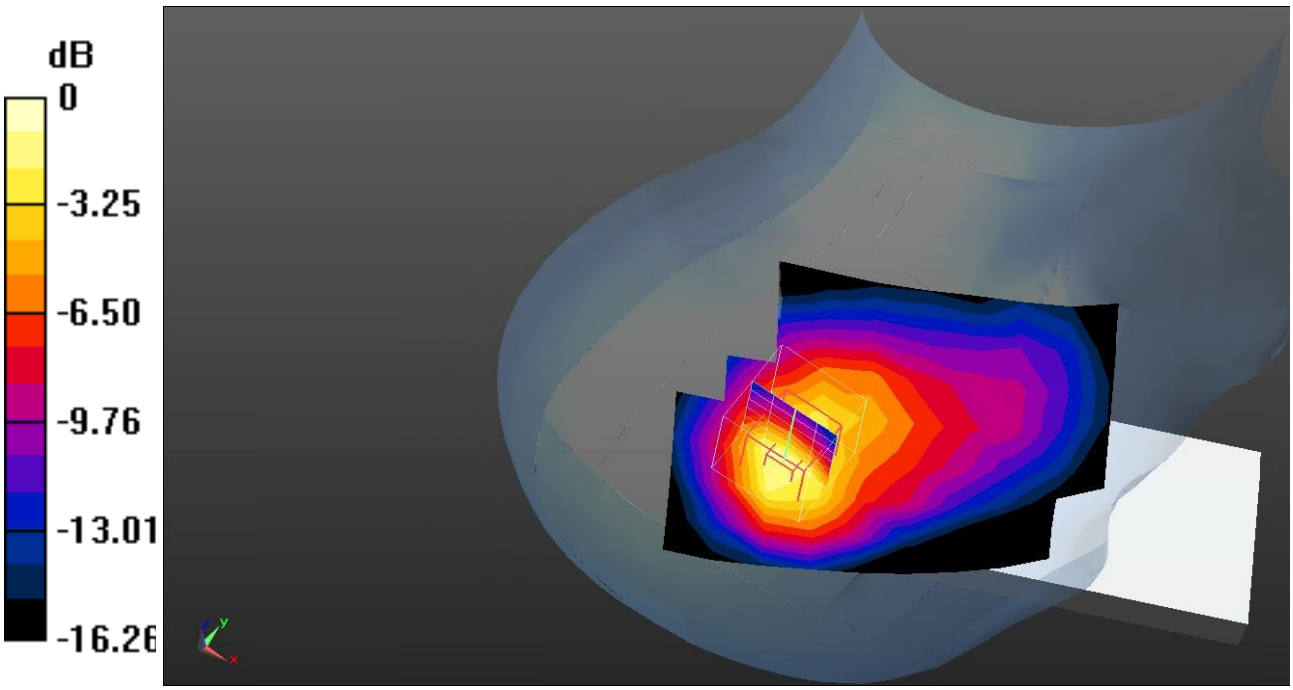
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.493 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.45 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.838 W/kg
SAR(1 g) = 0.537 W/kg; SAR(10 g) = 0.299 W/kg
Maximum value of SAR (measured) = 0.608 W/kg



0 dB = 0.608 W/kg = -2.16 dB dBW/kg

Test Plot 57#: LTE Band 2_Body Front_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

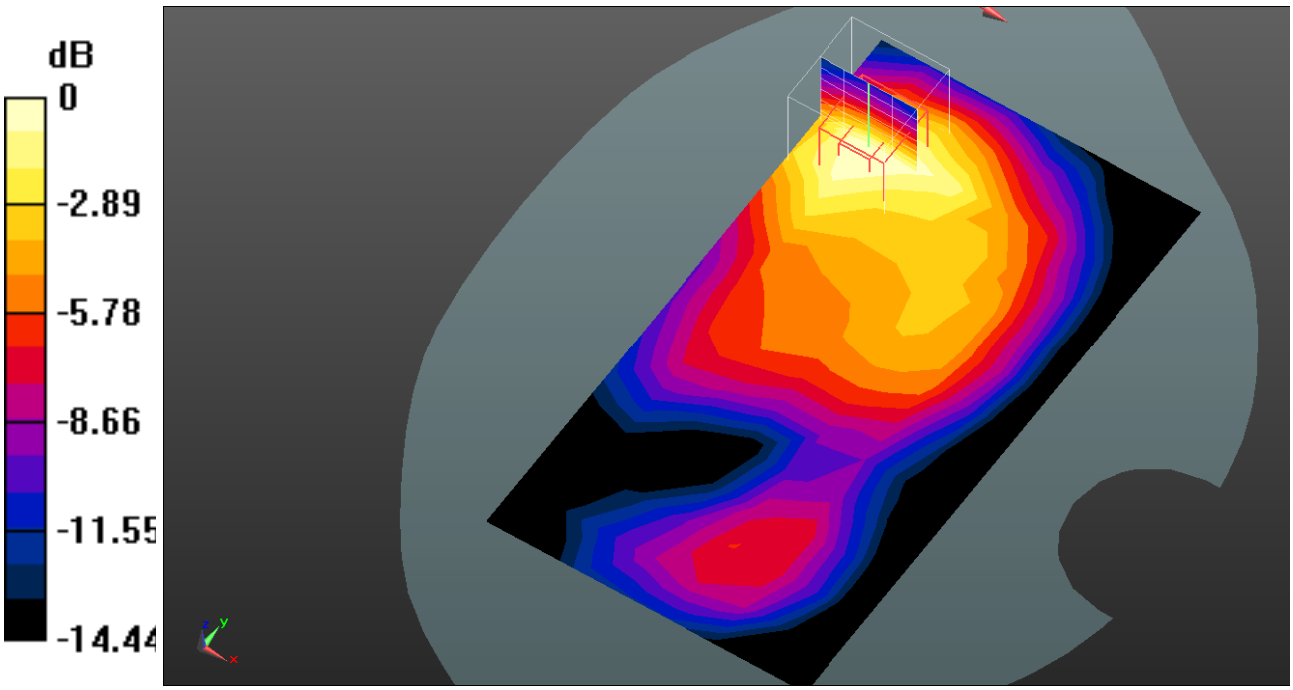
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.469 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.636 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.646 W/kg
SAR(1 g) = 0.423 W/kg; SAR(10 g) = 0.256 W/kg
Maximum value of SAR (measured) = 0.466 W/kg



0 dB = 0.466 W/kg = -3.32 dB dBW/kg

Test Plot 58#: LTE Band 2_Body Front_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

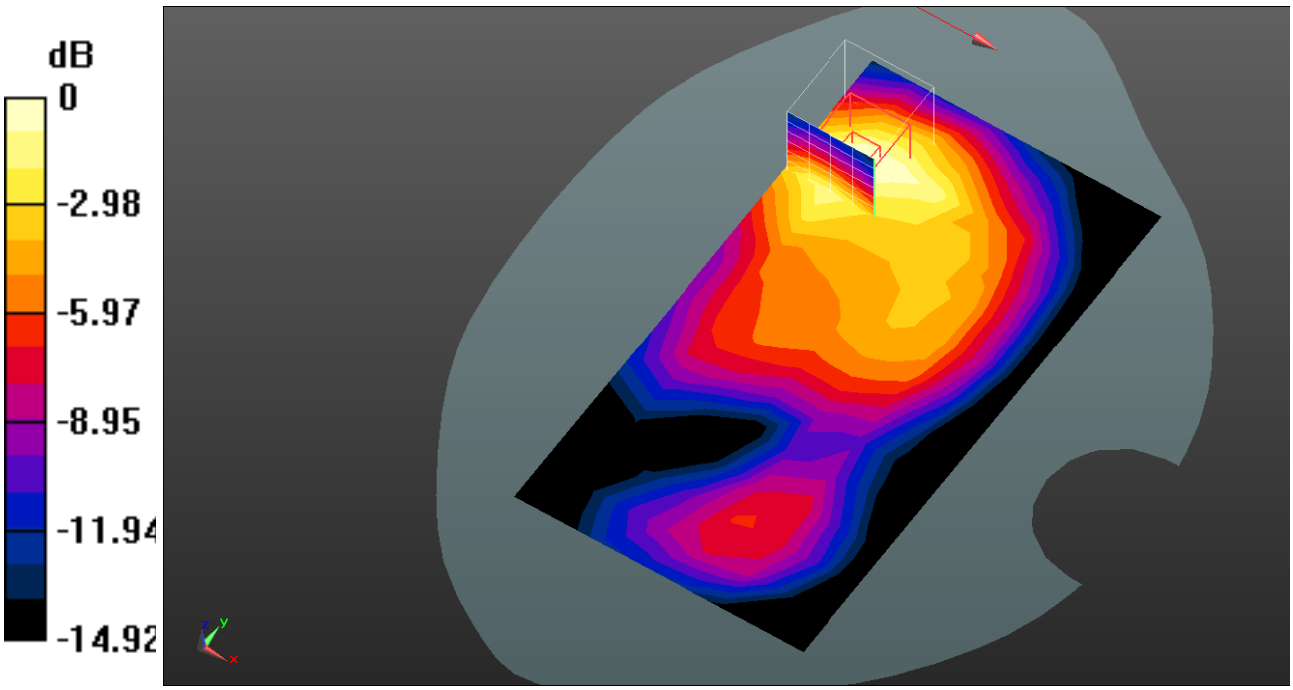
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.363 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.581 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.516 W/kg
SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.201 W/kg
Maximum value of SAR (measured) = 0.365 W/kg



0 dB = 0.365 W/kg = -4.38 dB dBW/kg

Test Plot 59#: LTE Band 2_Body Back_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

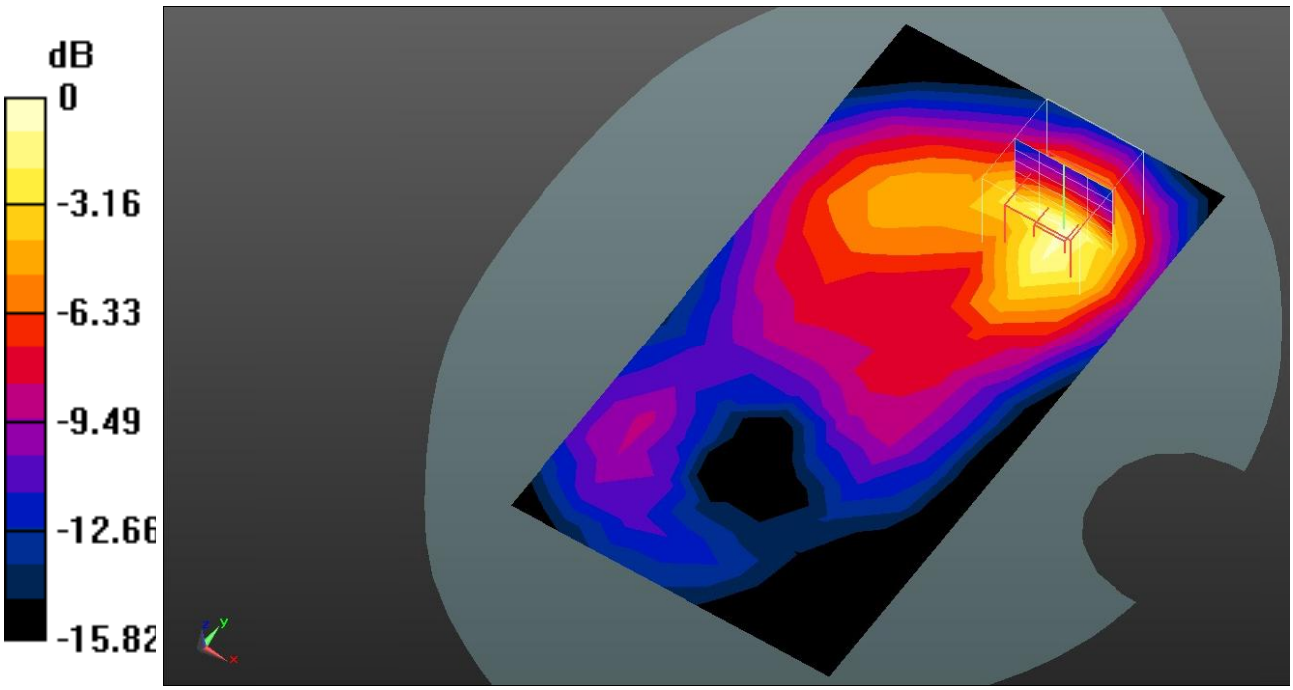
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used:f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.643 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.547 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.968 W/kg
SAR(1 g) = 0.607 W/kg; SAR(10 g) = 0.343 W/kg
Maximum value of SAR (measured) = 0.674 W/kg



0 dB = 0.674 W/kg = -1.71 dB dBW/kg

Test Plot 60#: LTE Band 2_Body Back_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

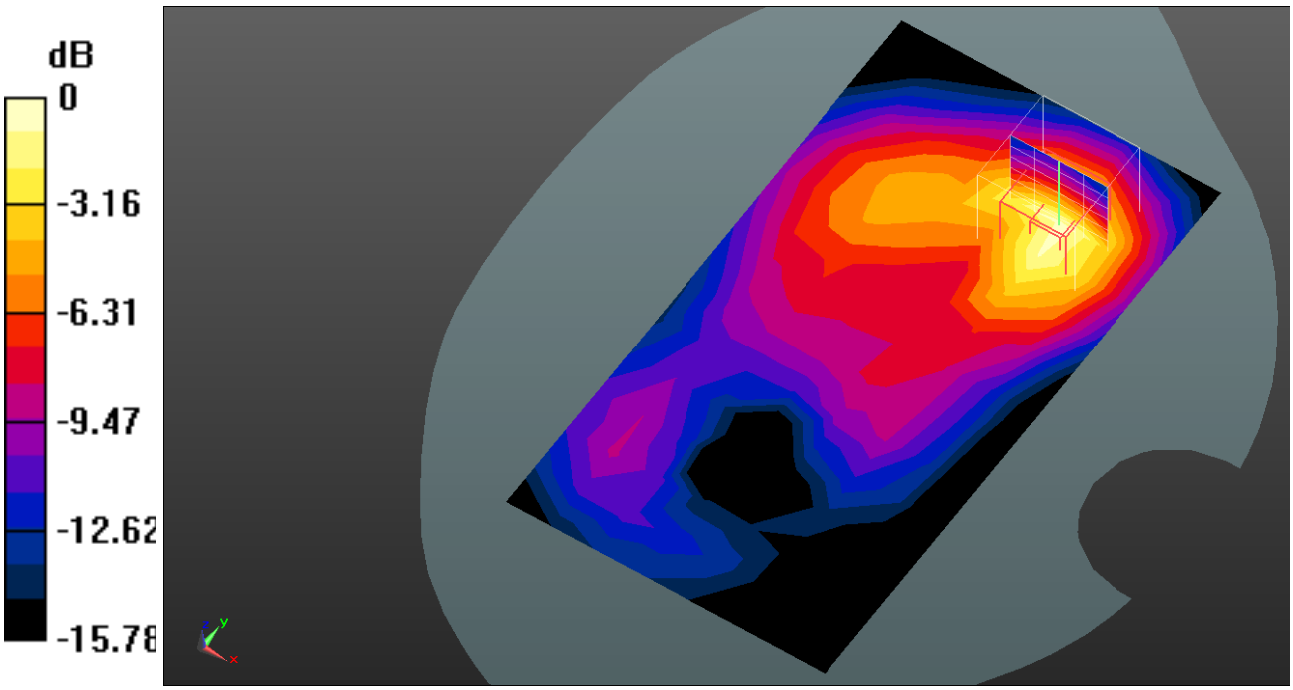
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.508 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.488 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 0.767 W/kg
SAR(1 g) = 0.479 W/kg; SAR(10 g) = 0.271 W/kg
Maximum value of SAR (measured) = 0.532 W/kg



0 dB = 0.532 W/kg = -2.74 dB dBW/kg

Test Plot 61#: LTE Band 2_Body Left_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

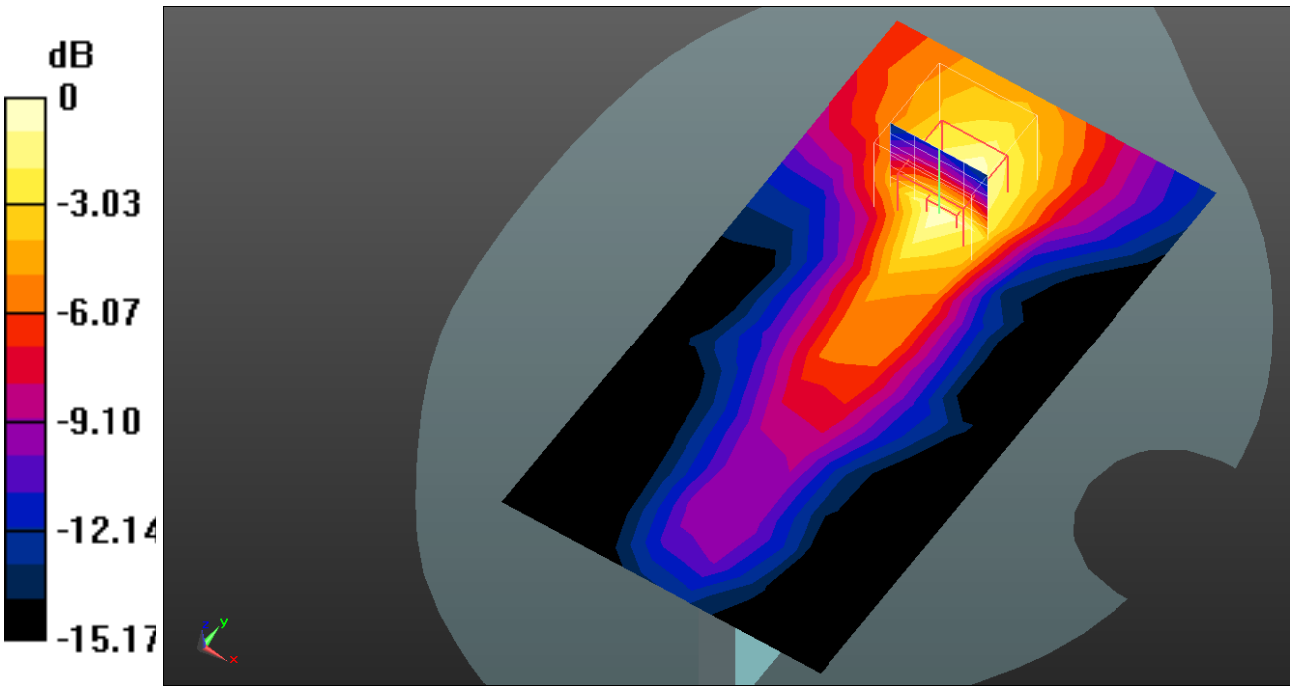
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.263 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 7.242 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.352 W/kg
SAR(1 g) = 0.222 W/kg; SAR(10 g) = 0.129 W/kg
Maximum value of SAR (measured) = 0.237 W/kg



0 dB = 0.237 W/kg = -6.25 dB dBW/kg

Test Plot 62#: LTE Band 2_Body Left_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

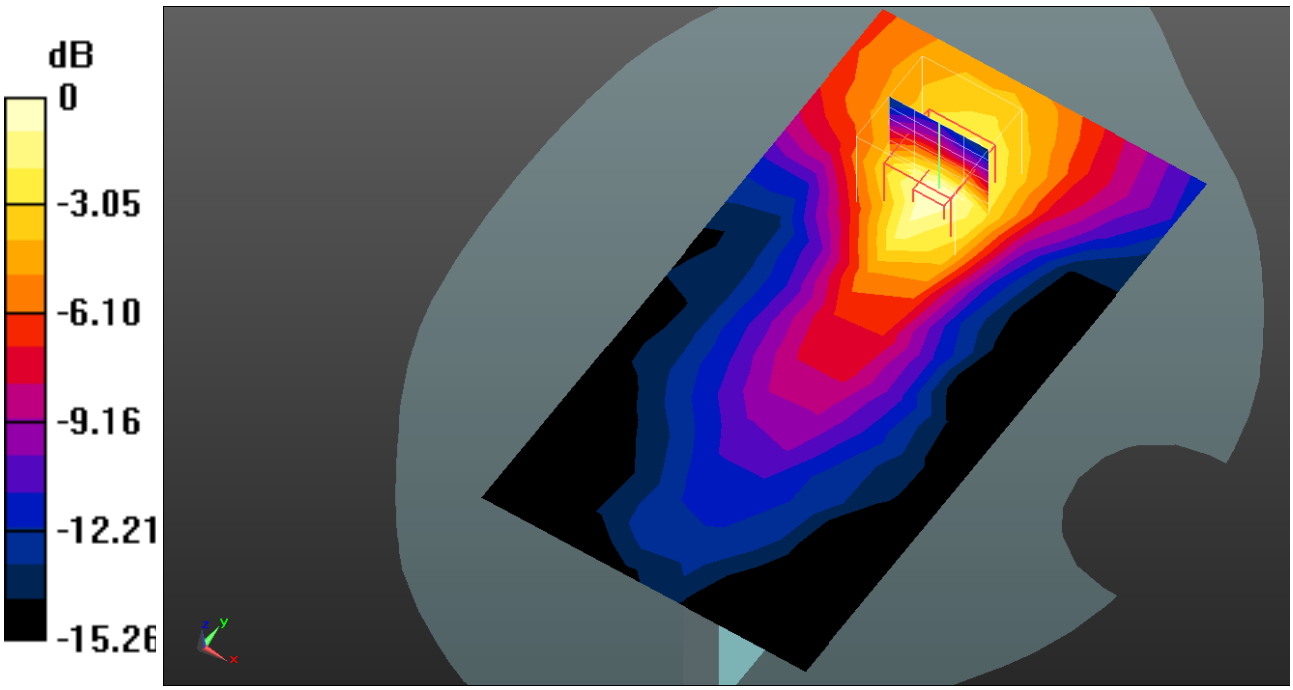
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.173 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.150 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.245 W/kg
SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.089 W/kg
Maximum value of SAR (measured) = 0.165 W/kg



0 dB = 0.165 W/kg = -7.83 dB dBW/kg

Test Plot 63#: LTE Band 2_Body Top_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

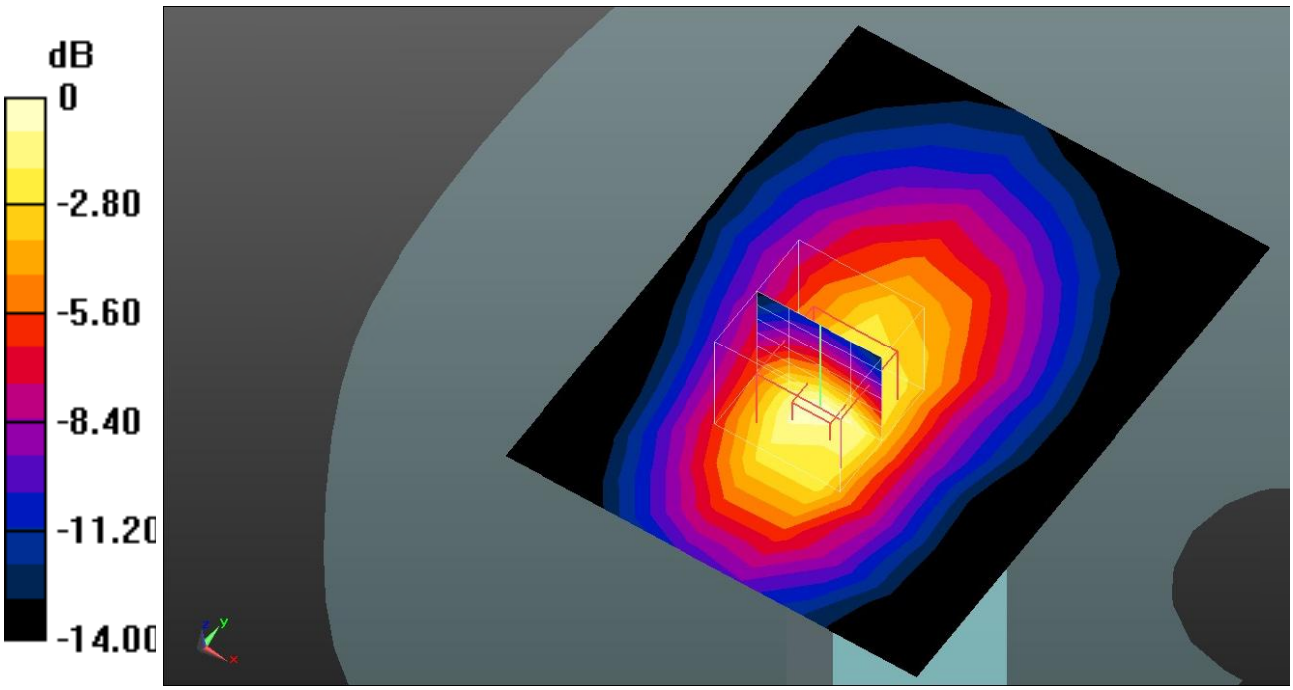
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.546 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.83 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.776 W/kg
SAR(1 g) = 0.526 W/kg; SAR(10 g) = 0.309 W/kg
Maximum value of SAR (measured) = 0.577 W/kg



0 dB = 0.577 W/kg = -2.39 dB dBW/kg

Test Plot 64#: LTE Band 2_Body Top_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

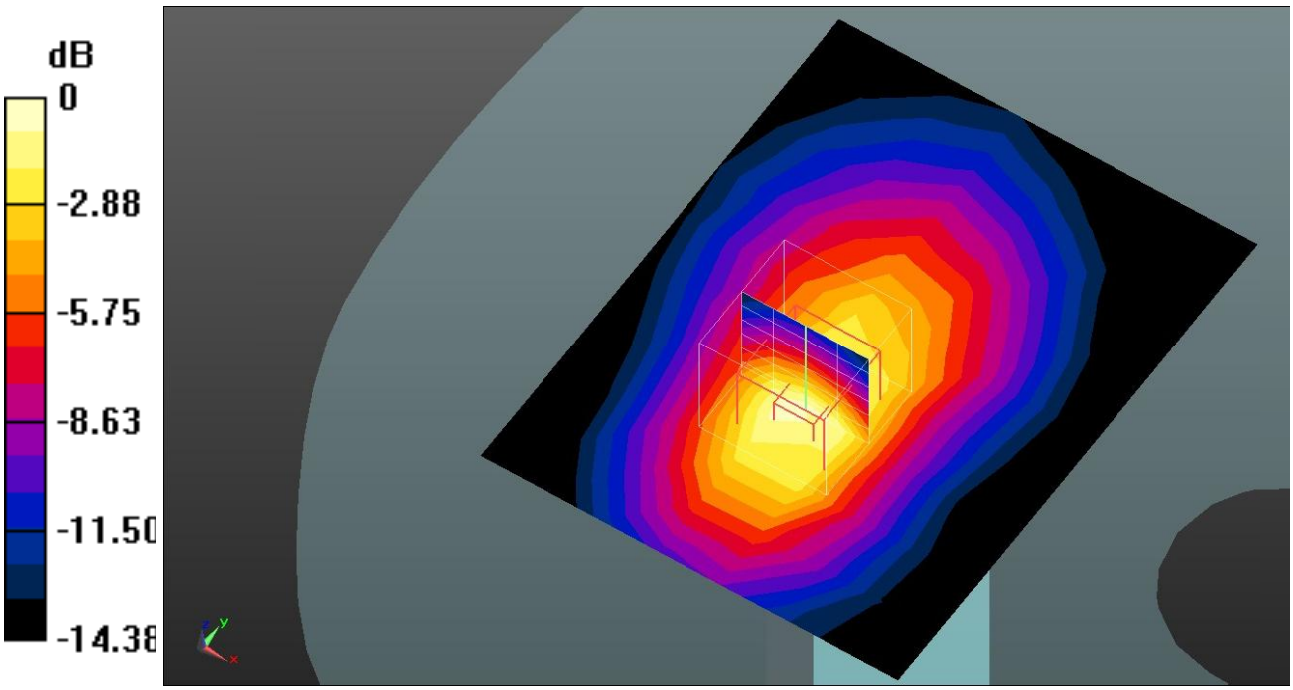
Communication System: Generic FDD-LTE (0); Frequency: 1880 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1880 MHz; σ = 1.408 S/m; ε_r = 40.324; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.94, 7.94, 7.94) @1880 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.420 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.88 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.614 W/kg
SAR(1 g) = 0.412 W/kg; SAR(10 g) = 0.242 W/kg
Maximum value of SAR (measured) = 0.460 W/kg



0 dB = 0.460 W/kg = -3.37 dB dBW/kg

Test Plot 65#: LTE Band 4_Head Left Cheek_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

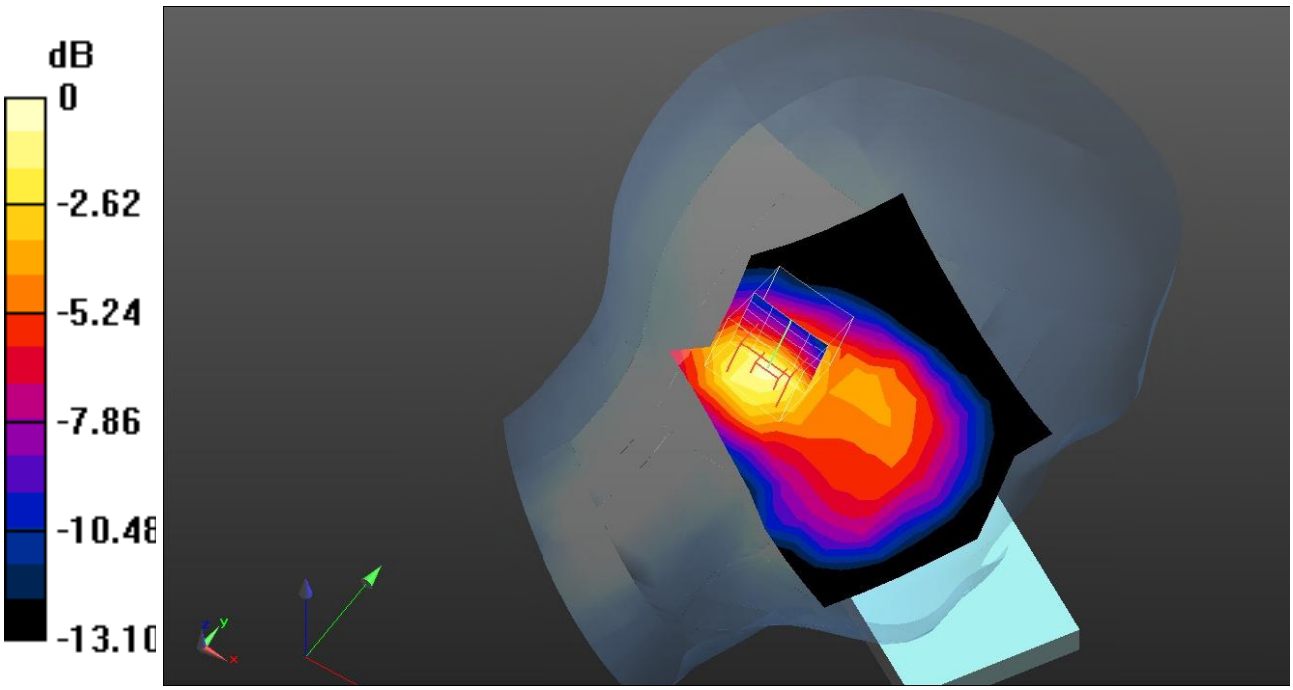
Communication System: Generic FDD-LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.356 S/m; ε_r = 39.881; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.327 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.66 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.450 W/kg
SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.192 W/kg
Maximum value of SAR (measured) = 0.345 W/kg



0 dB = 0.345 W/kg = -4.62 dB dBW/kg

Test Plot 66#: LTE Band 4_Head Left Cheek_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

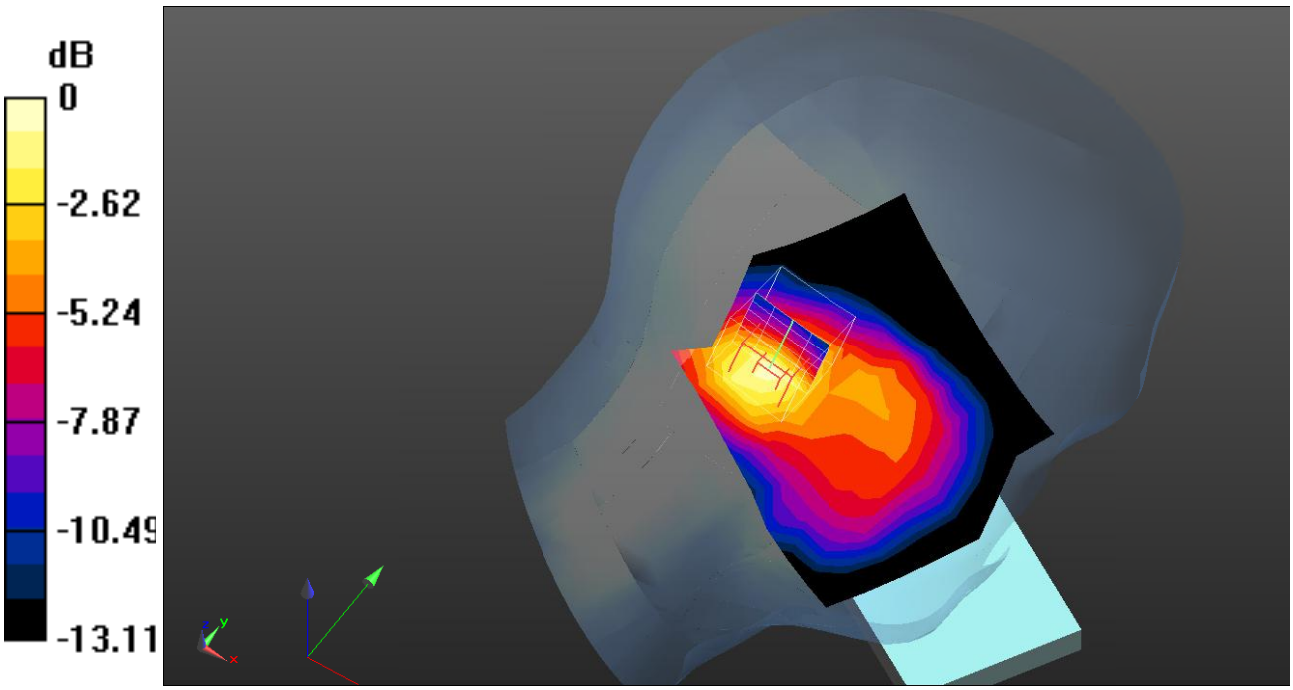
Communication System: Generic FDD-LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.356 S/m; ε_r = 39.881; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.260 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.483 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.353 W/kg
SAR(1 g) = 0.252 W/kg; SAR(10 g) = 0.153 W/kg
Maximum value of SAR (measured) = 0.273 W/kg



0 dB = 0.273 W/kg = -5.64 dB dBW/kg

Test Plot 67#: LTE Band 4_Head Left Tilt_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

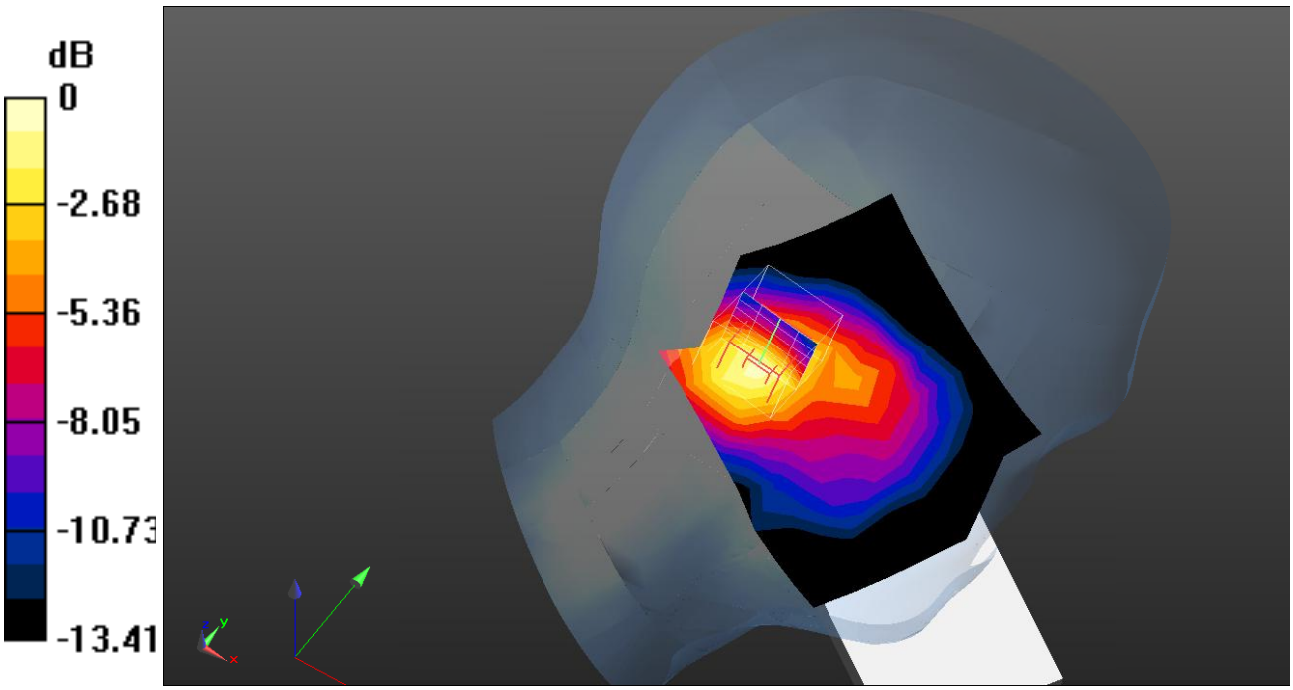
Communication System: Generic FDD-LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.356 S/m; ε_r = 39.881; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.349 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.32 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.479 W/kg
SAR(1 g) = 0.340 W/kg; SAR(10 g) = 0.206 W/kg
Maximum value of SAR (measured) = 0.369 W/kg



0 dB = 0.369 W/kg = -4.33 dB dBW/kg

Test Plot 68#: LTE Band 4_Head Left Tilt_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

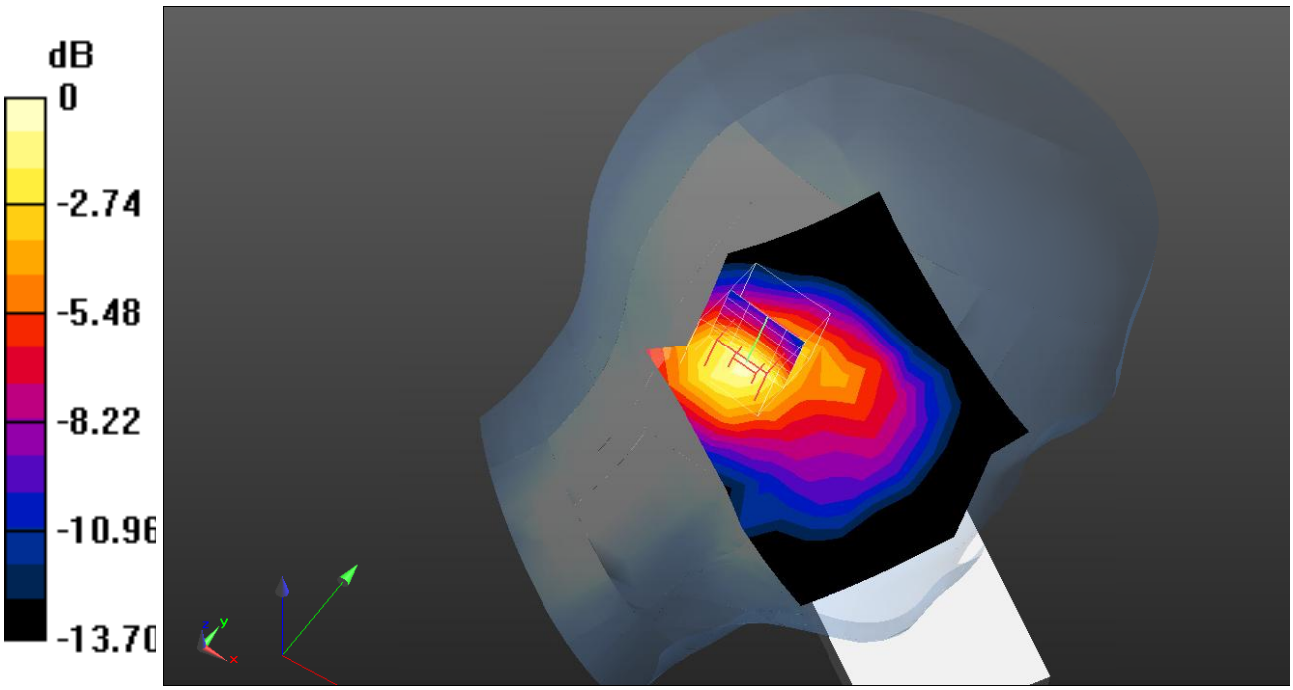
Communication System: Generic FDD-LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.356 S/m; ε_r = 39.881; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.282 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.14 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 0.385 W/kg
SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.166 W/kg
Maximum value of SAR (measured) = 0.298 W/kg



0 dB = 0.298 W/kg = -5.26 dB dBW/kg

Test Plot 69#: LTE Band 4_Head Right Cheek_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

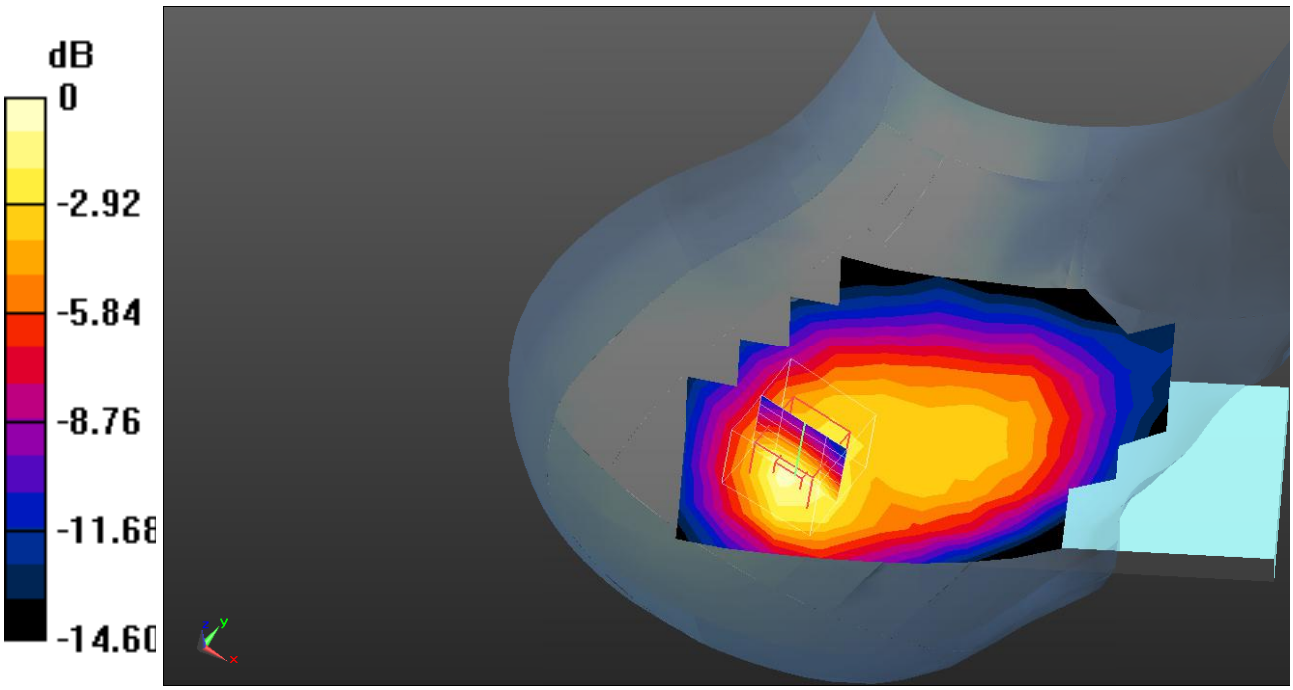
Communication System: Generic FDD-LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.356 S/m; ε_r = 39.881; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.389 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.99 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.577 W/kg
SAR(1 g) = 0.406 W/kg; SAR(10 g) = 0.242 W/kg
Maximum value of SAR (measured) = 0.440 W/kg



0 dB = 0.440 W/kg = -3.57 dB dBW/kg

Test Plot 70#: LTE Band 4_Head Right Cheek_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

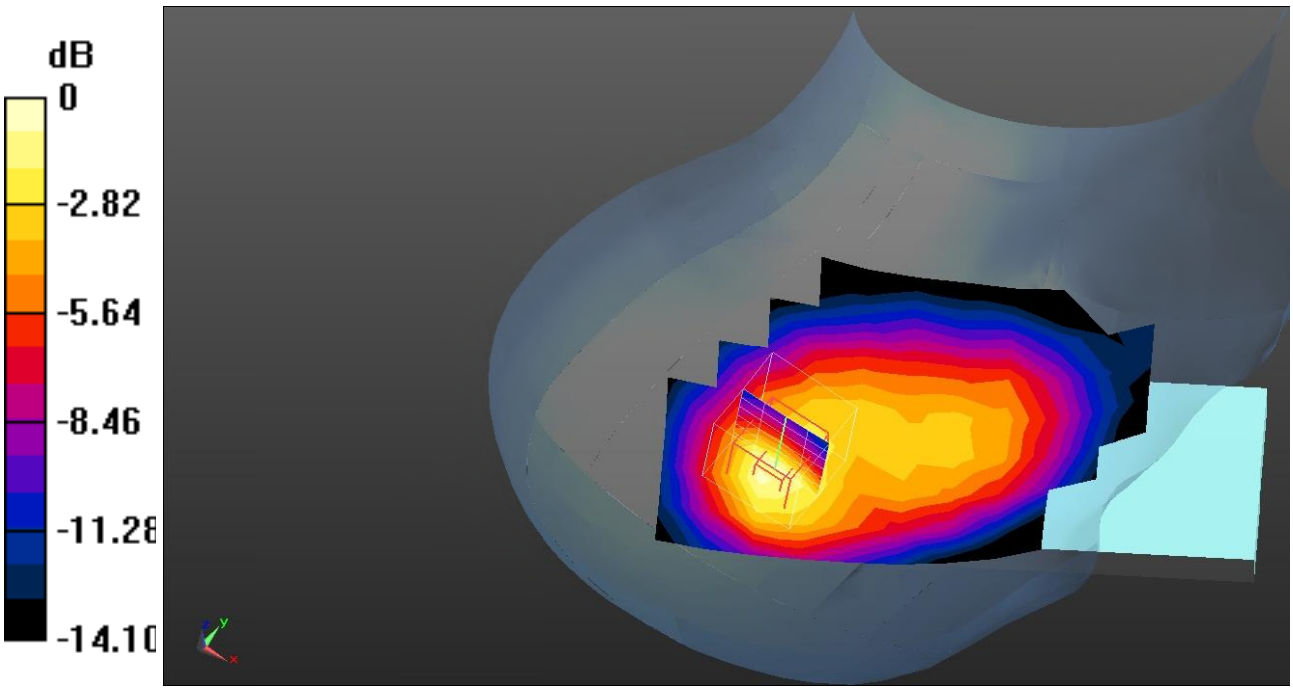
Communication System: Generic FDD-LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.356 S/m; ε_r = 39.881; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x11x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.304 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.33 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.453 W/kg
SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.189 W/kg
Maximum value of SAR (measured) = 0.349 W/kg



0 dB = 0.349 W/kg = -4.57 dB dBW/kg

Test Plot 71#: LTE Band 4_Head Right Tilt_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

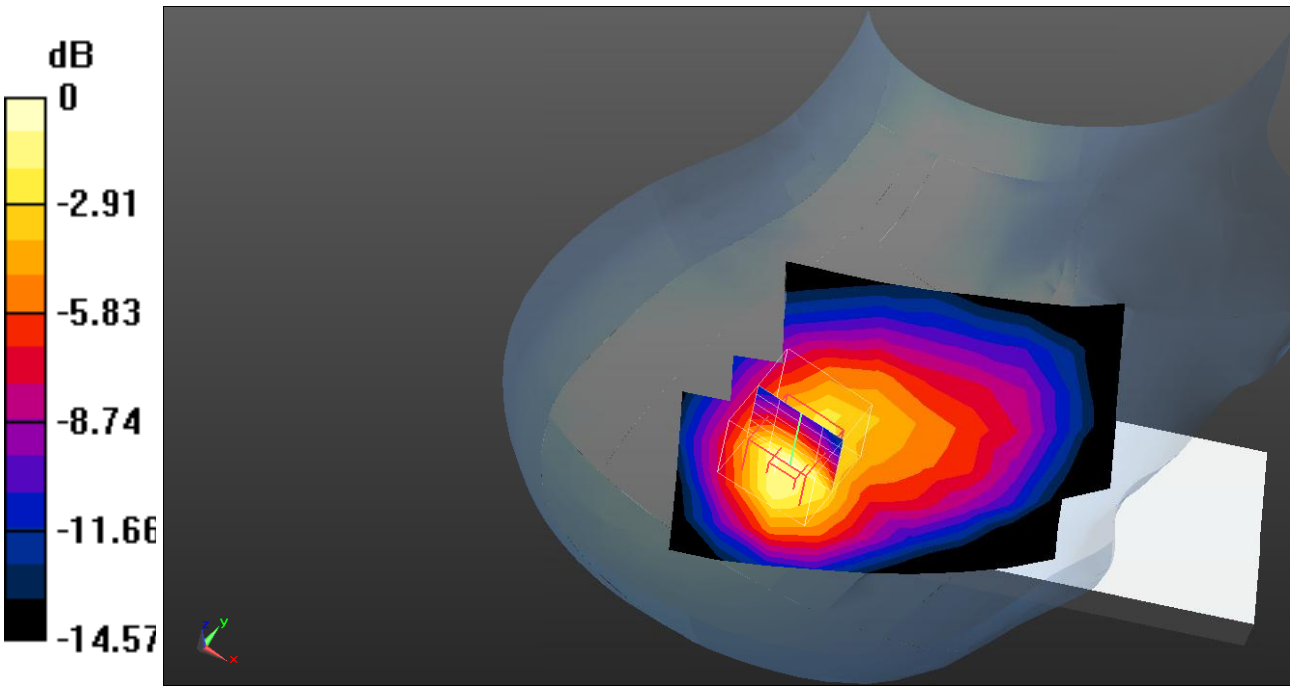
Communication System: Generic FDD-LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.356 S/m; ε_r = 39.881; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.501 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.07 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.790 W/kg
SAR(1 g) = 0.545 W/kg; SAR(10 g) = 0.319 W/kg
Maximum value of SAR (measured) = 0.598 W/kg



0 dB = 0.598 W/kg = -2.23 dB dBW/kg

Test Plot 72#: LTE Band 4_Head Right Tilt_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

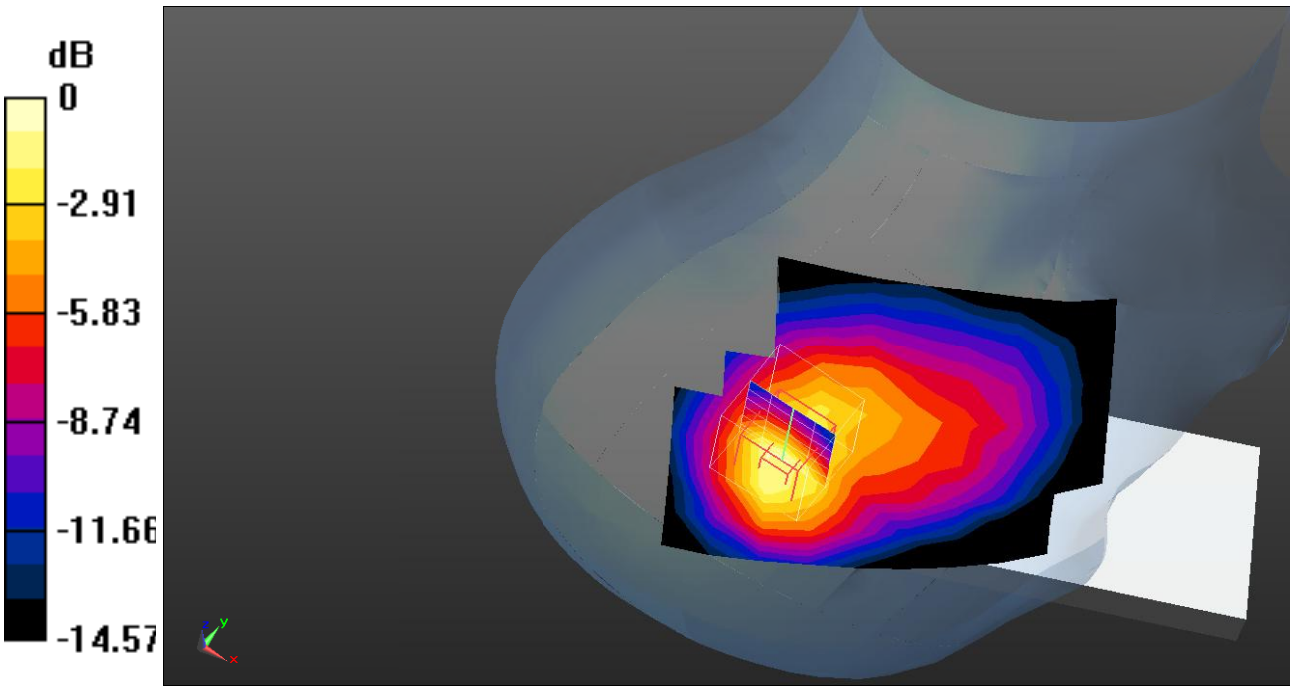
Communication System: Generic FDD-LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.356 S/m; ε_r = 39.881; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.396 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.34 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.629 W/kg
SAR(1 g) = 0.433 W/kg; SAR(10 g) = 0.252 W/kg
Maximum value of SAR (measured) = 0.476 W/kg



0 dB = 0.476 W/kg = -3.22 dB dBW/kg

Test Plot 73#: LTE Band 4_Body Front_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

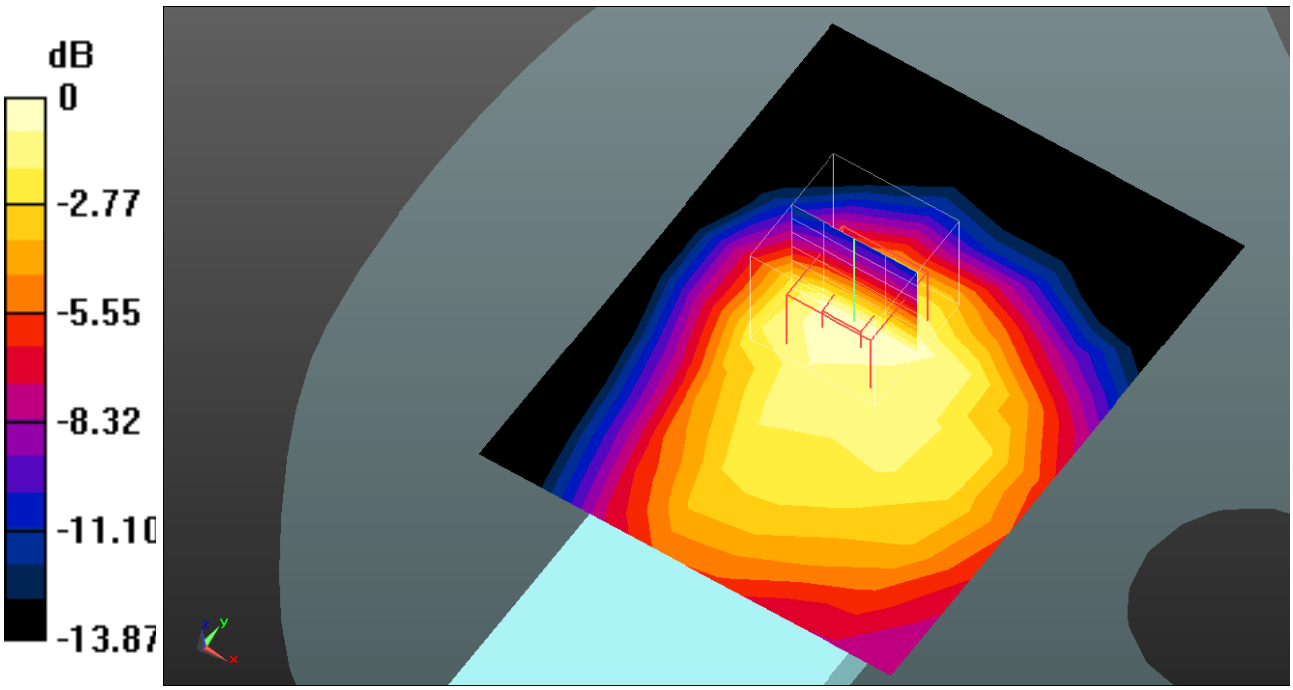
Communication System: Generic FDD-LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.356 S/m; ε_r = 39.881; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.466 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.04 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.615 W/kg
SAR(1 g) = 0.414 W/kg; SAR(10 g) = 0.256 W/kg
Maximum value of SAR (measured) = 0.443 W/kg



0 dB = 0.443 W/kg = -3.54 dB dBW/kg

Test Plot 74#: LTE Band 4_Body Front_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

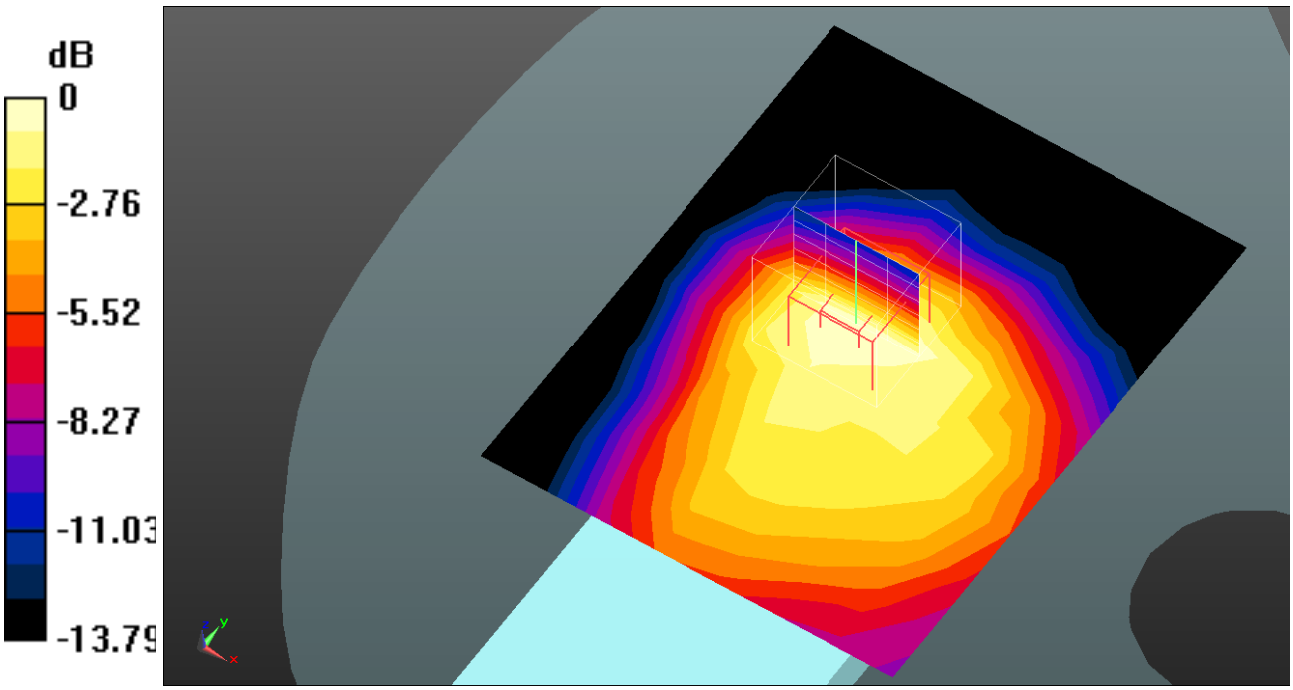
Communication System: Generic FDD-LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.356 S/m; ε_r = 39.881; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.370 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.20 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.483 W/kg
SAR(1 g) = 0.326 W/kg; SAR(10 g) = 0.201 W/kg
Maximum value of SAR (measured) = 0.349 W/kg



0 dB = 0.349 W/kg = -4.57 dB dBW/kg

Test Plot 75#: LTE Band 4_Body Back_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

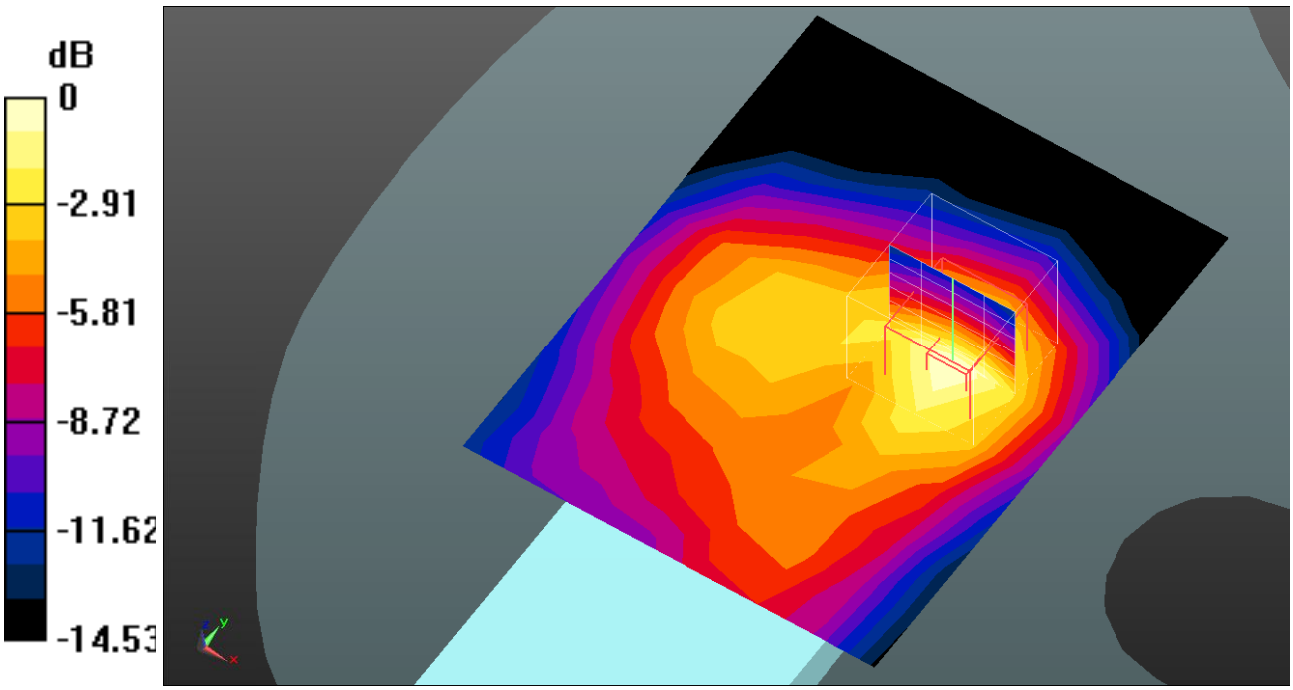
Communication System: Generic FDD-LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.356 S/m; ε_r = 39.881; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.577 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.24 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.763 W/kg
SAR(1 g) = 0.497 W/kg; SAR(10 g) = 0.284 W/kg
Maximum value of SAR (measured) = 0.541 W/kg



0 dB = 0.541 W/kg = -2.67 dB dBW/kg

Test Plot 76#: LTE Band 4_Body Back_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

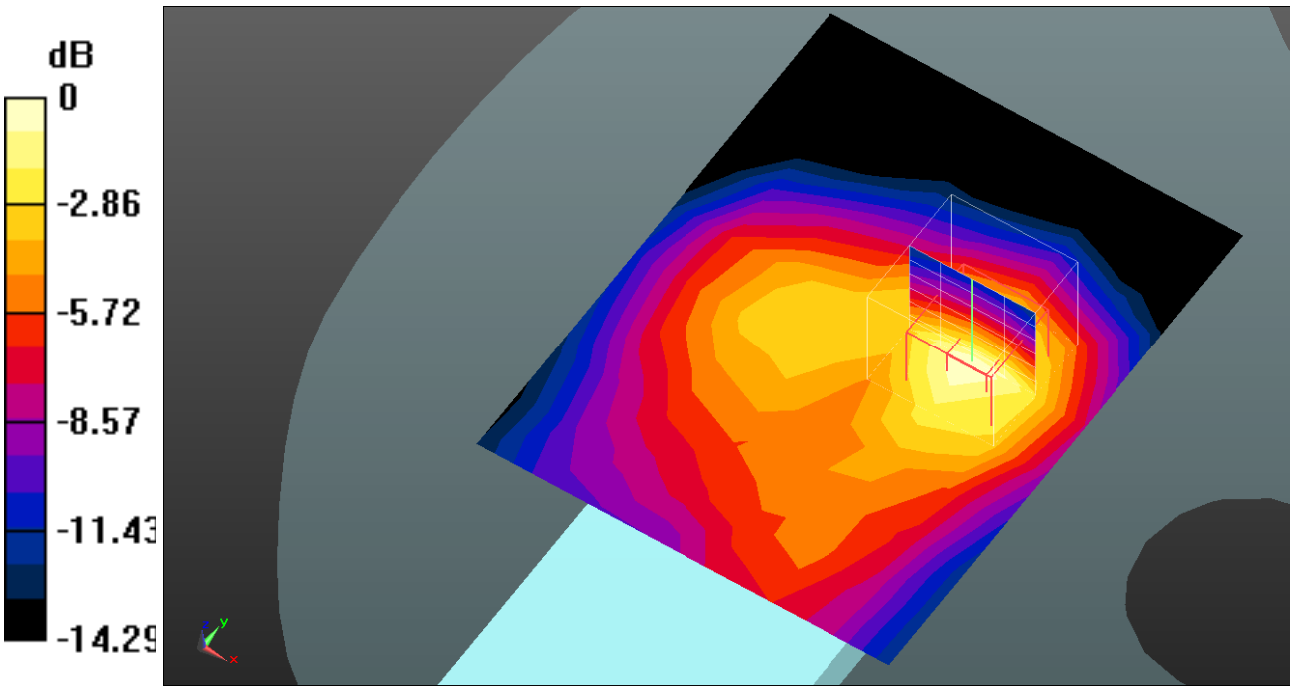
Communication System: Generic FDD-LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.356 S/m; ε_r = 39.881; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.449 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.02 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.606 W/kg
SAR(1 g) = 0.394 W/kg; SAR(10 g) = 0.225 W/kg
Maximum value of SAR (measured) = 0.427 W/kg



0 dB = 0.427 W/kg = -3.70 dB dBW/kg

Test Plot 77#: LTE Band 4_Body Left_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

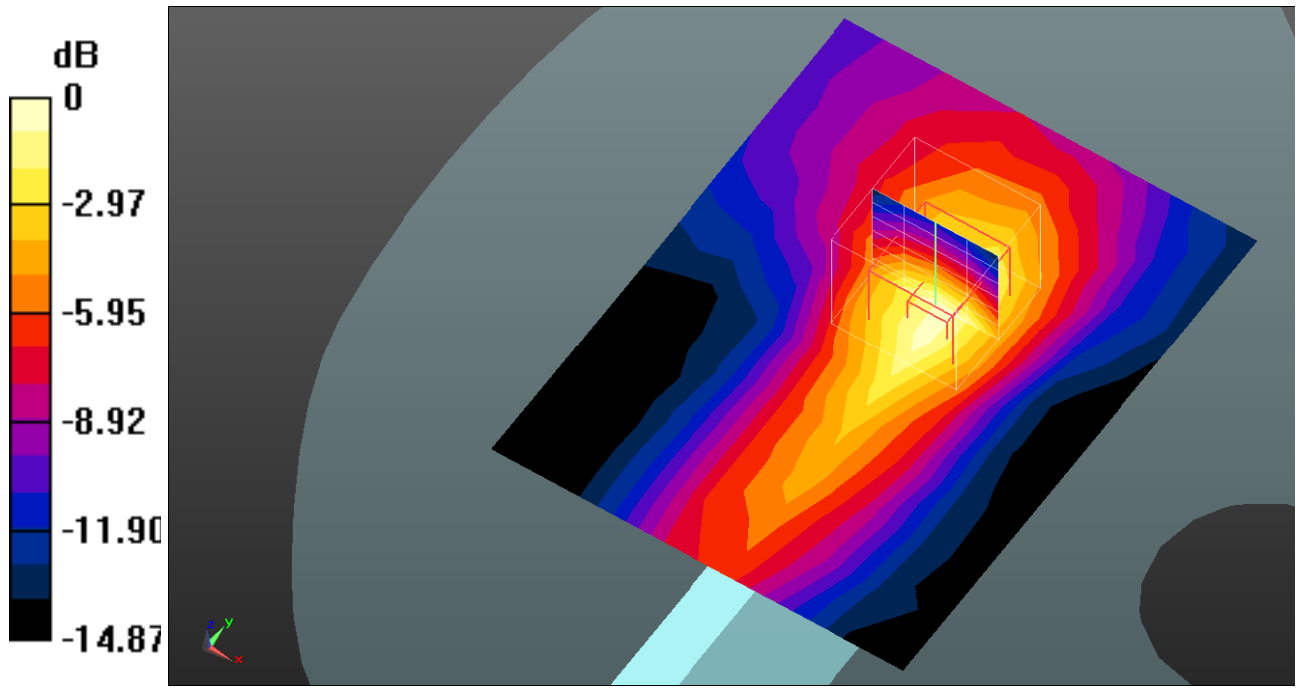
Communication System: Generic FDD-LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.356 S/m; ε_r = 39.881; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.307 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.96 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.459 W/kg
SAR(1 g) = 0.295 W/kg; SAR(10 g) = 0.166 W/kg
Maximum value of SAR (measured) = 0.320 W/kg



0 dB = 0.320 W/kg = -4.95 dB dBW/kg

Test Plot 78#: LTE Band 4_Body Left_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

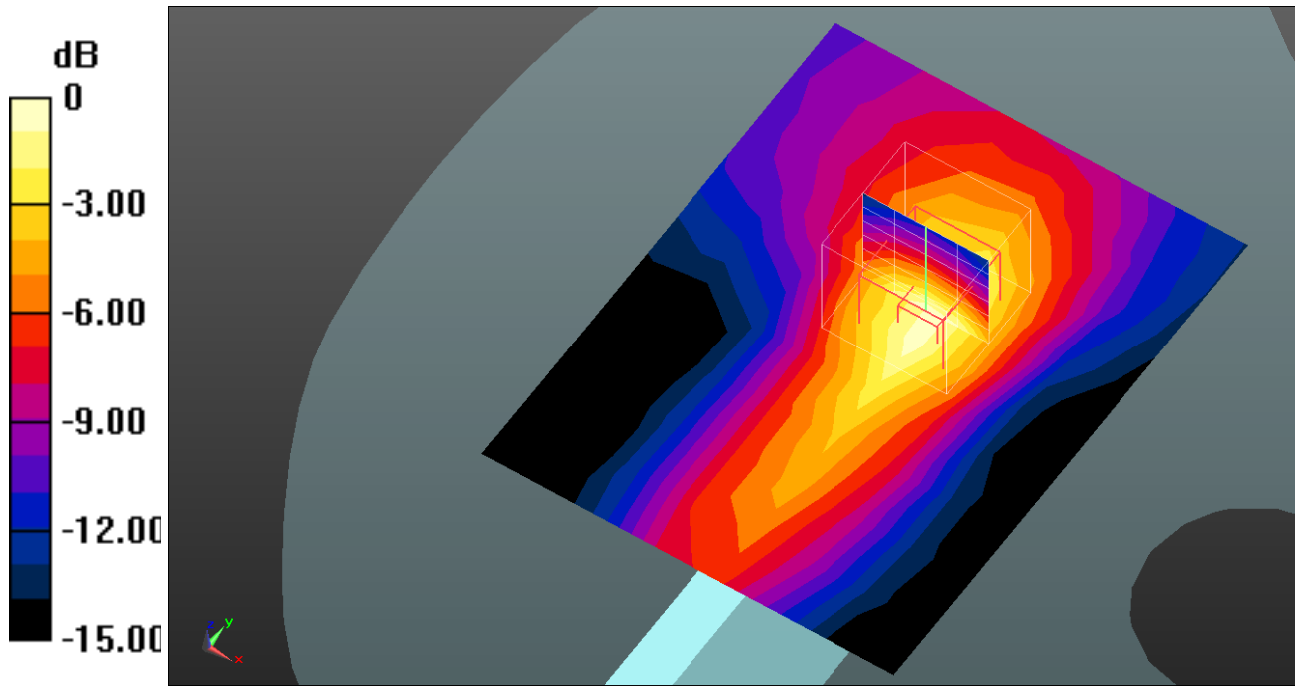
Communication System: Generic FDD-LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.356 S/m; ε_r = 39.881; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.235 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.461 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.348 W/kg
SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.128 W/kg
Maximum value of SAR (measured) = 0.245 W/kg



0 dB = 0.245 W/kg = -6.11 dB dBW/kg

Test Plot 79#: LTE Band 4_Body Top_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

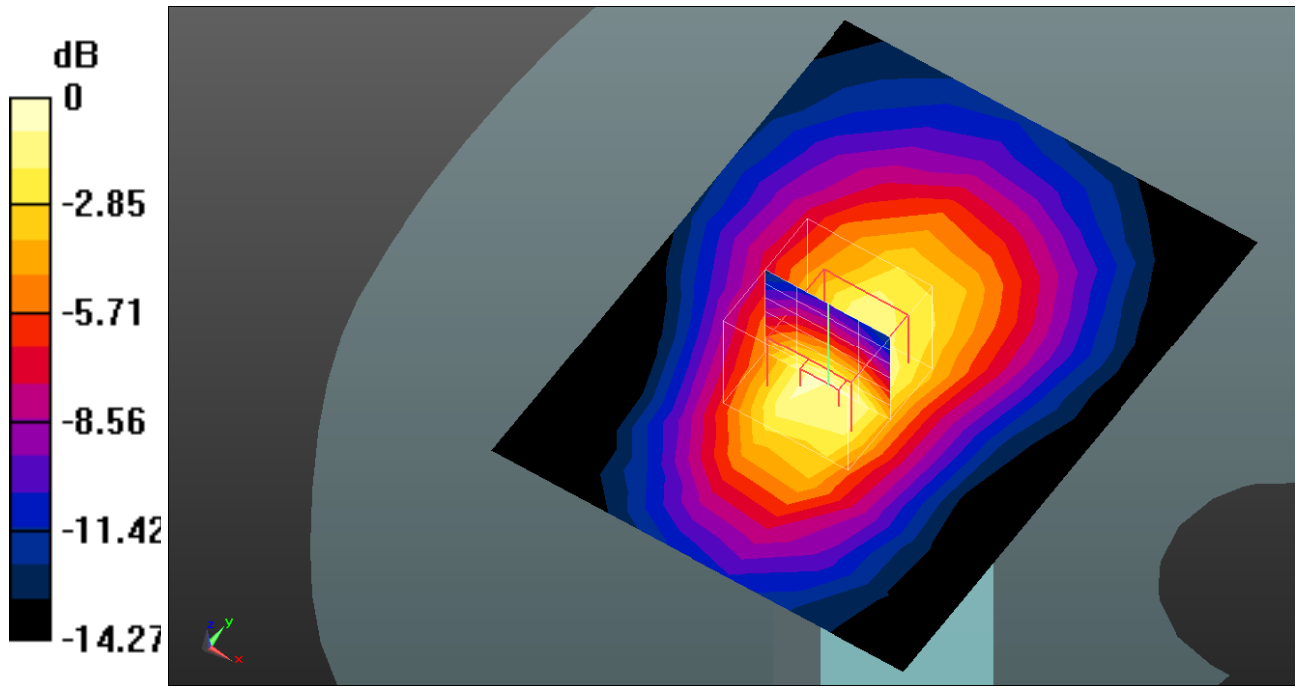
Communication System: Generic FDD-LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.356 S/m; ε_r = 39.881; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.430 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.94 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 0.631 W/kg
SAR(1 g) = 0.442 W/kg; SAR(10 g) = 0.267 W/kg
Maximum value of SAR (measured) = 0.476 W/kg



0 dB = 0.476 W/kg = -3.22 dB dBW/kg

Test Plot 80#: LTE Band 4_Body Top_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

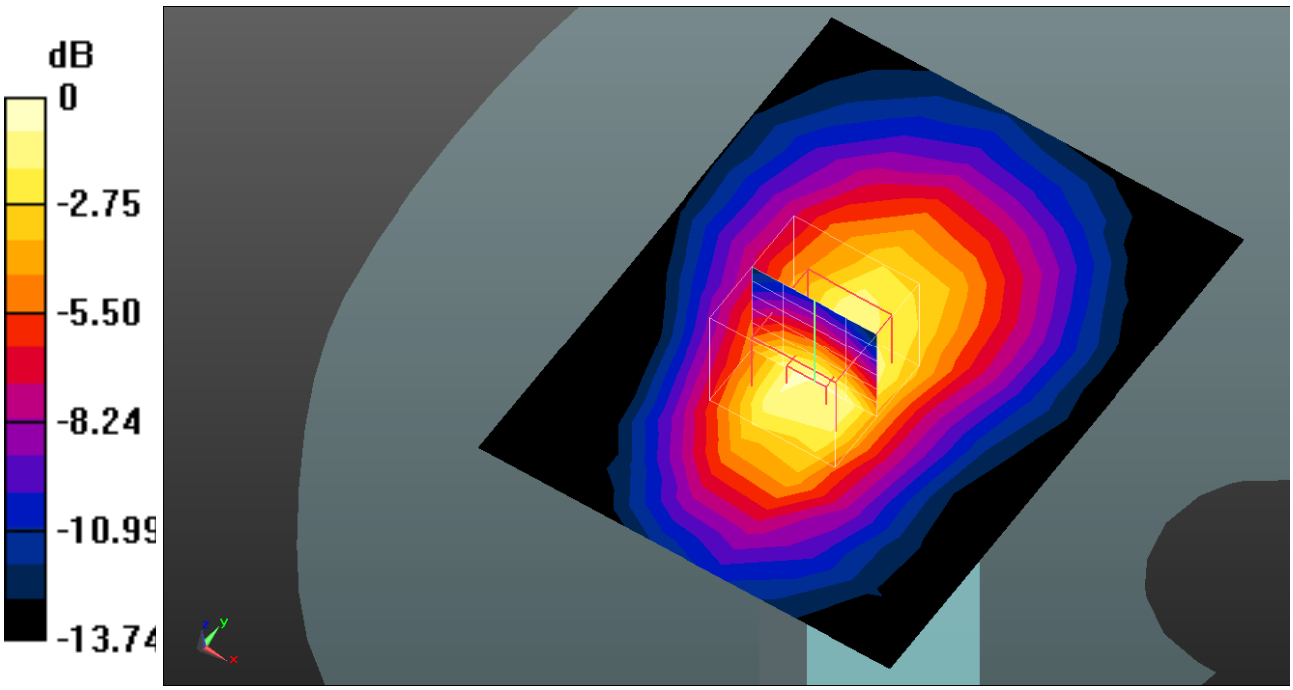
Communication System: Generic FDD-LTE (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 1732.5 MHz; σ = 1.356 S/m; ε_r = 39.881; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(8.32, 8.32, 8.32) @1732.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.327 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.26 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.482 W/kg
SAR(1 g) = 0.340 W/kg; SAR(10 g) = 0.205 W/kg
Maximum value of SAR (measured) = 0.366 W/kg



0 dB = 0.366 W/kg = -4.37 dB dBW/kg

Test Plot 81#: LTE Band 5_Head Left Cheek_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

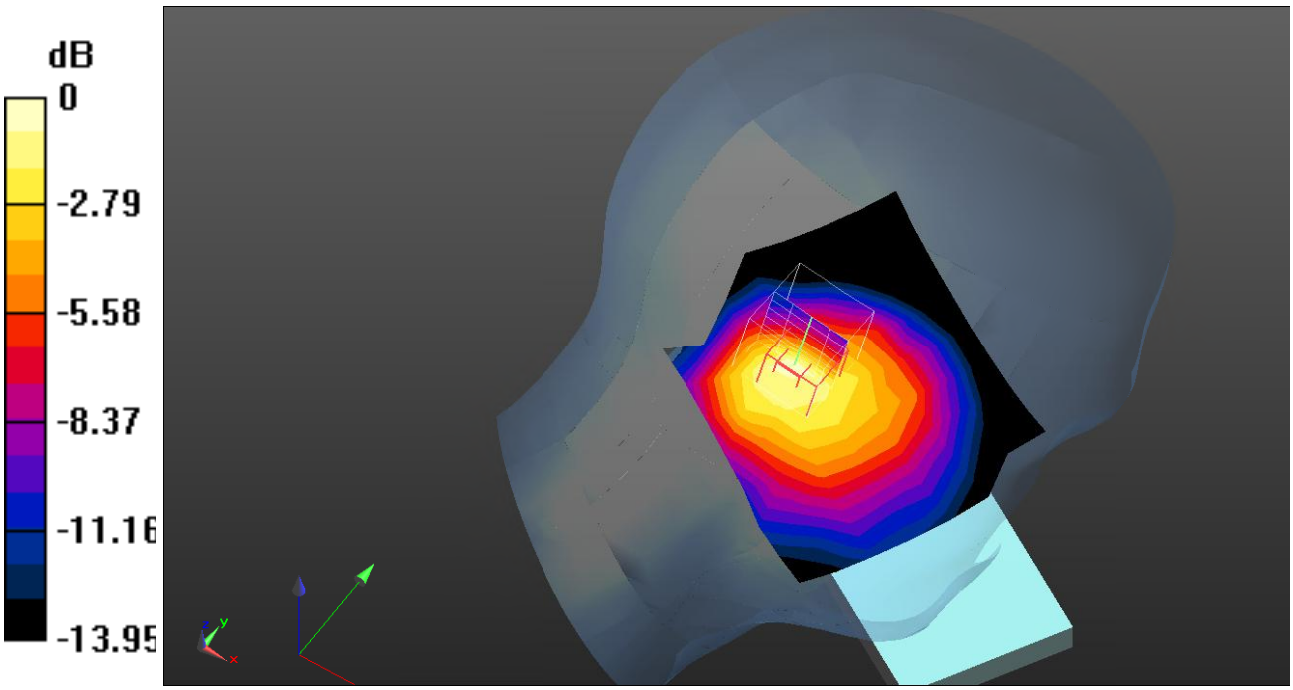
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.939 S/m; ε_r = 41.421; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): 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 = 13.48 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.321 W/kg
SAR(1 g) = 0.201 W/kg; SAR(10 g) = 0.125 W/kg
Maximum value of SAR (measured) = 0.224 W/kg



0 dB = 0.224 W/kg = -6.50 dB dBW/kg

Test Plot 82#: LTE Band 5_Head Left Cheek_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

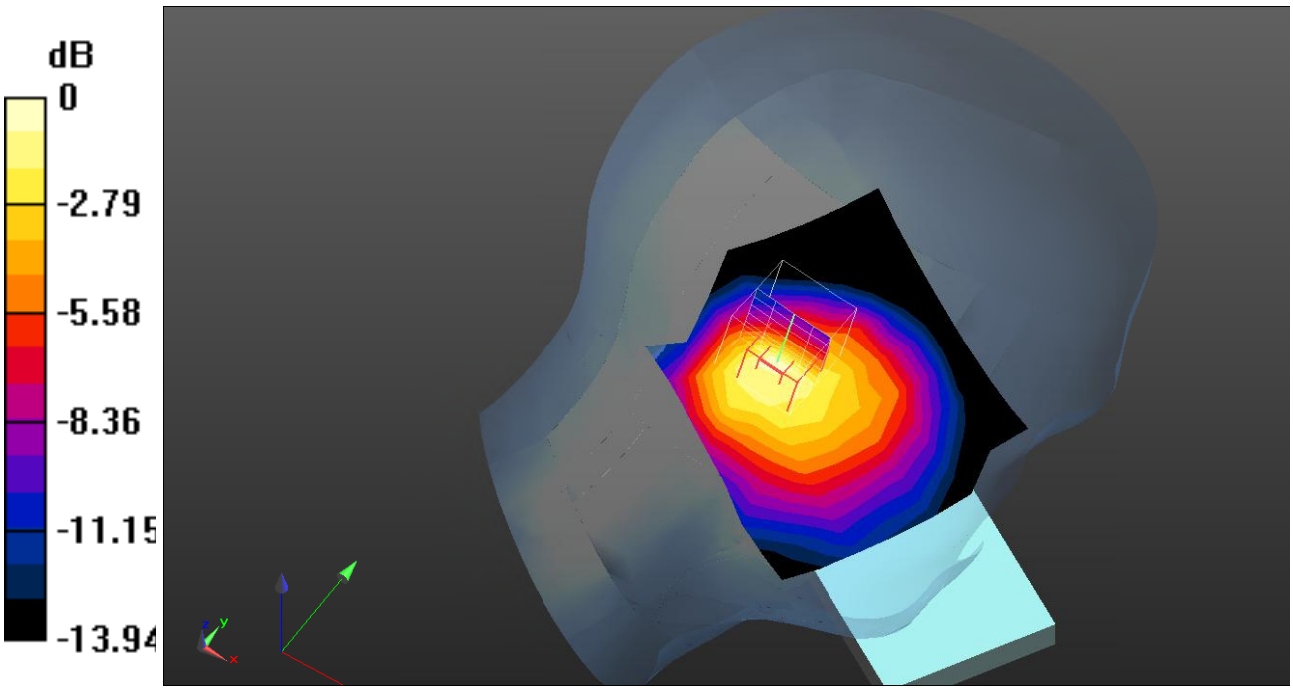
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.939 S/m; ε_r = 41.421; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.201 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.55 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.321 W/kg
SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.124 W/kg
Maximum value of SAR (measured) = 0.222 W/kg



0 dB = 0.222 W/kg = -6.54 dB dBW/kg

Test Plot 83#: LTE Band 5_Head Left Tilt_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

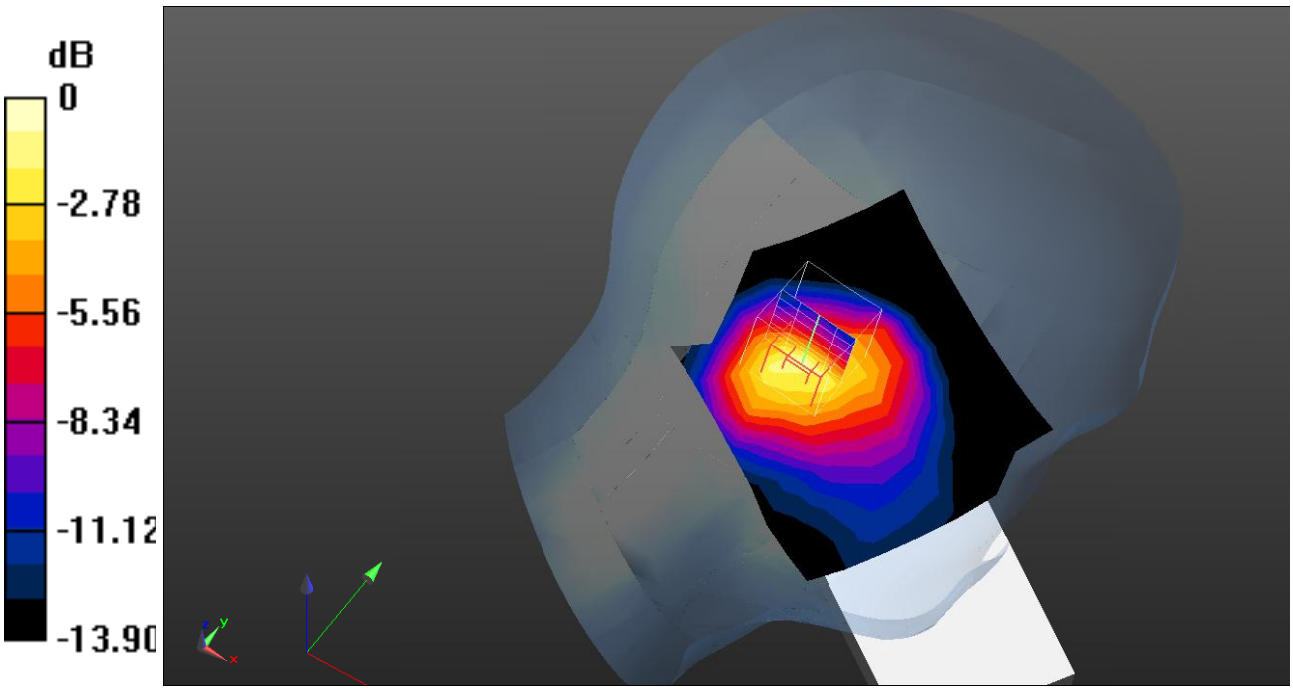
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.939 S/m; ε_r = 41.421; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.188 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.12 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.336 W/kg
SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.113 W/kg
Maximum value of SAR (measured) = 0.235 W/kg



0 dB = 0.235 W/kg = -6.29 dB dBW/kg

Test Plot 84#: LTE Band 5_Head Left Tilt_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

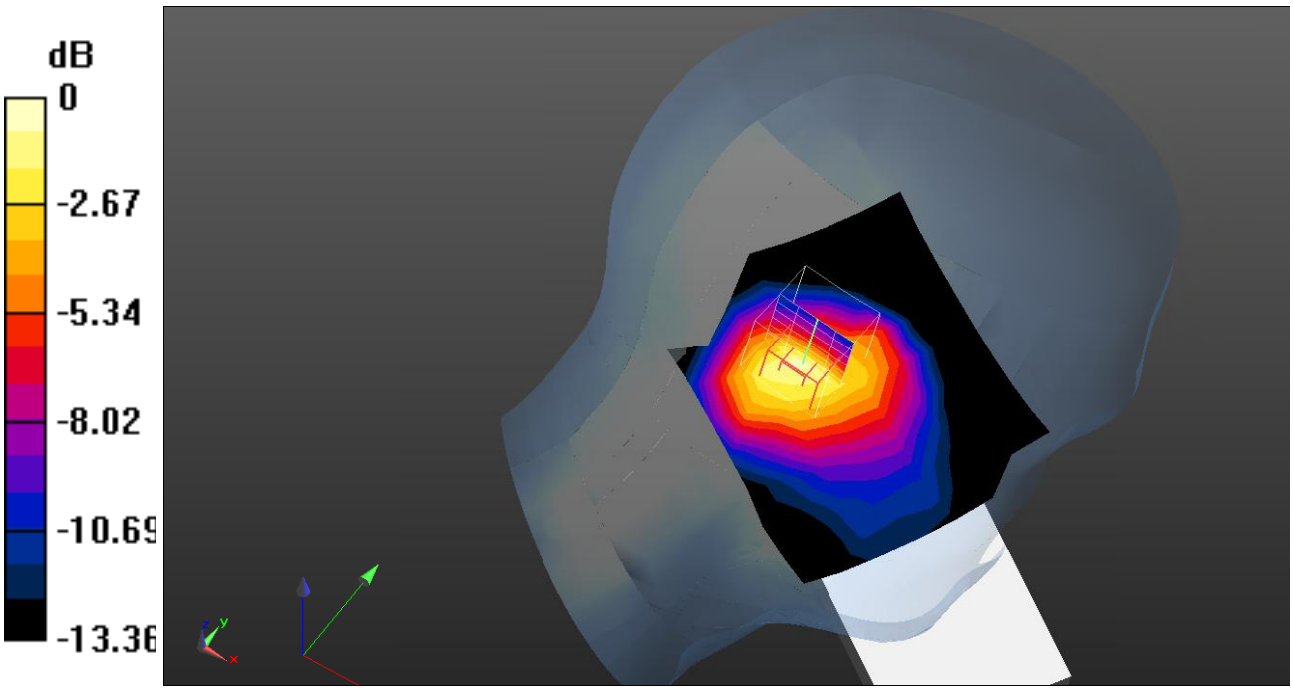
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.939 S/m; ε_r = 41.421; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.197 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.13 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 0.302 W/kg
SAR(1 g) = 0.188 W/kg; SAR(10 g) = 0.111 W/kg
Maximum value of SAR (measured) = 0.212 W/kg



0 dB = 0.212 W/kg = -6.74 dB dBW/kg

Test Plot 85#: LTE Band 5_Head Right Cheek_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

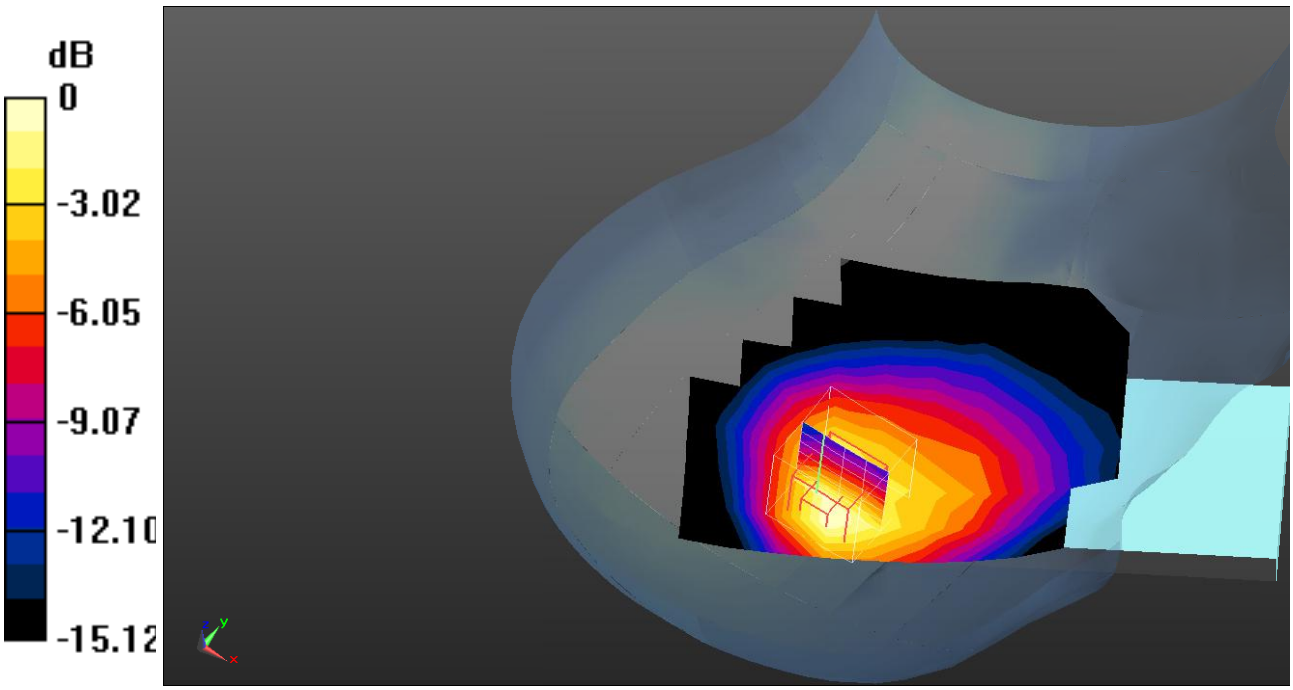
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.939 S/m; ε_r = 41.421; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.392 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 13.26 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.696 W/kg
SAR(1 g) = 0.363 W/kg; SAR(10 g) = 0.211 W/kg
Maximum value of SAR (measured) = 0.399 W/kg



0 dB = 0.399 W/kg = -3.99 dB dBW/kg

Test Plot 86#: LTE Band 5_Head Right Cheek_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

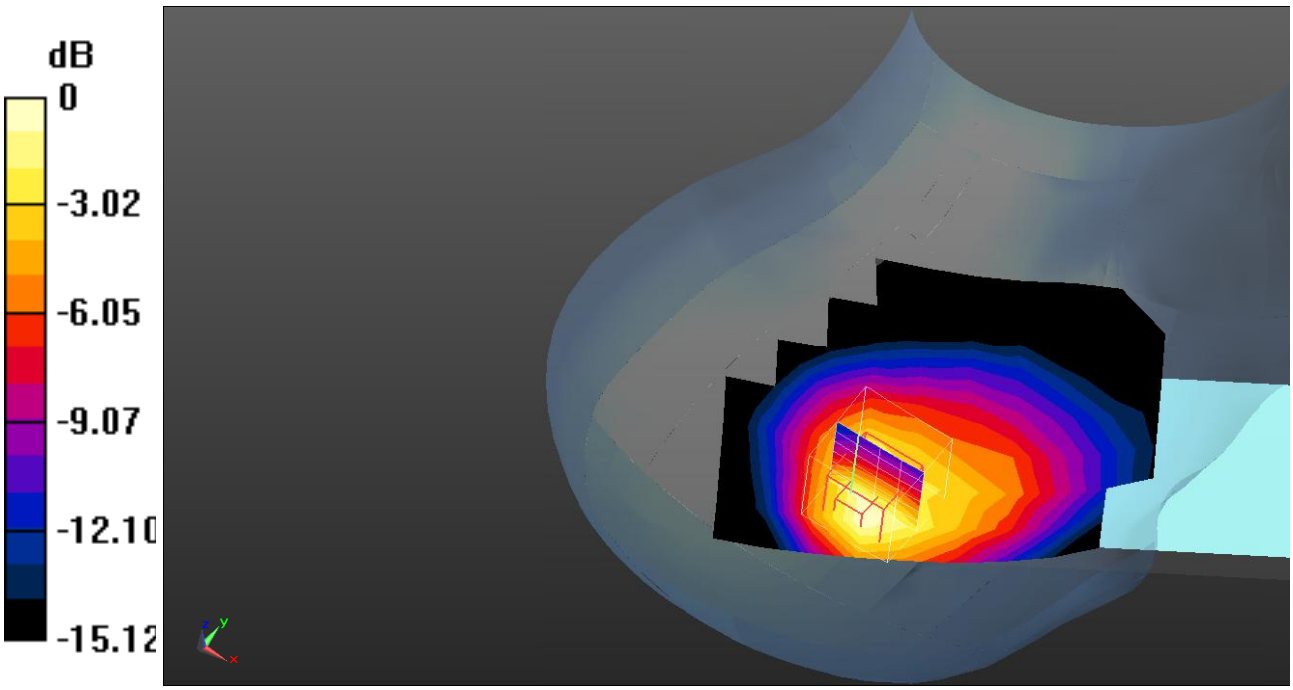
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.939 S/m; ε_r = 41.421; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.379 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.98 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.698 W/kg
SAR(1 g) = 0.362 W/kg; SAR(10 g) = 0.210 W/kg
Maximum value of SAR (measured) = 0.399 W/kg



0 dB = 0.399 W/kg = -3.99 dB dBW/kg

Test Plot 87#: LTE Band 5_Head Right Tilt_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

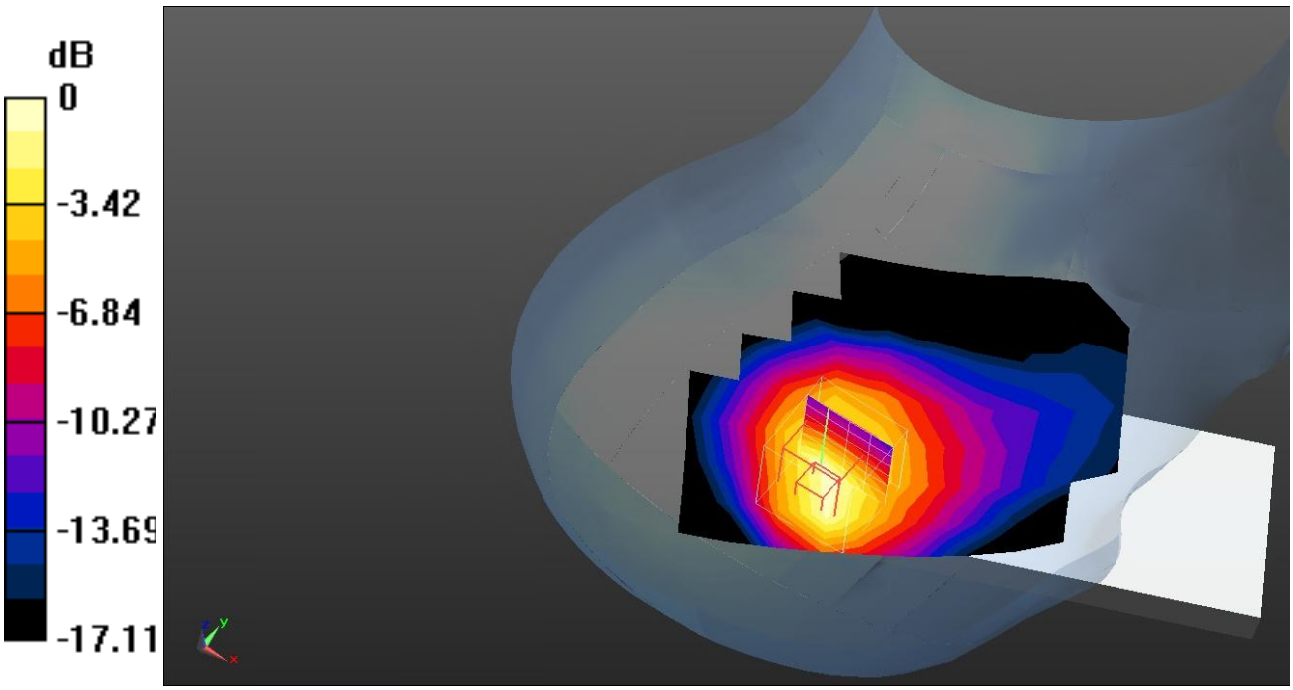
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.939 S/m; ε_r = 41.421; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.410 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.59 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.810 W/kg
SAR(1 g) = 0.385 W/kg; SAR(10 g) = 0.213 W/kg
Maximum value of SAR (measured) = 0.436 W/kg



0 dB = 0.436 W/kg = -3.61 dB dBW/kg

Test Plot 88#: LTE Band 5_Head Right Tilt_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

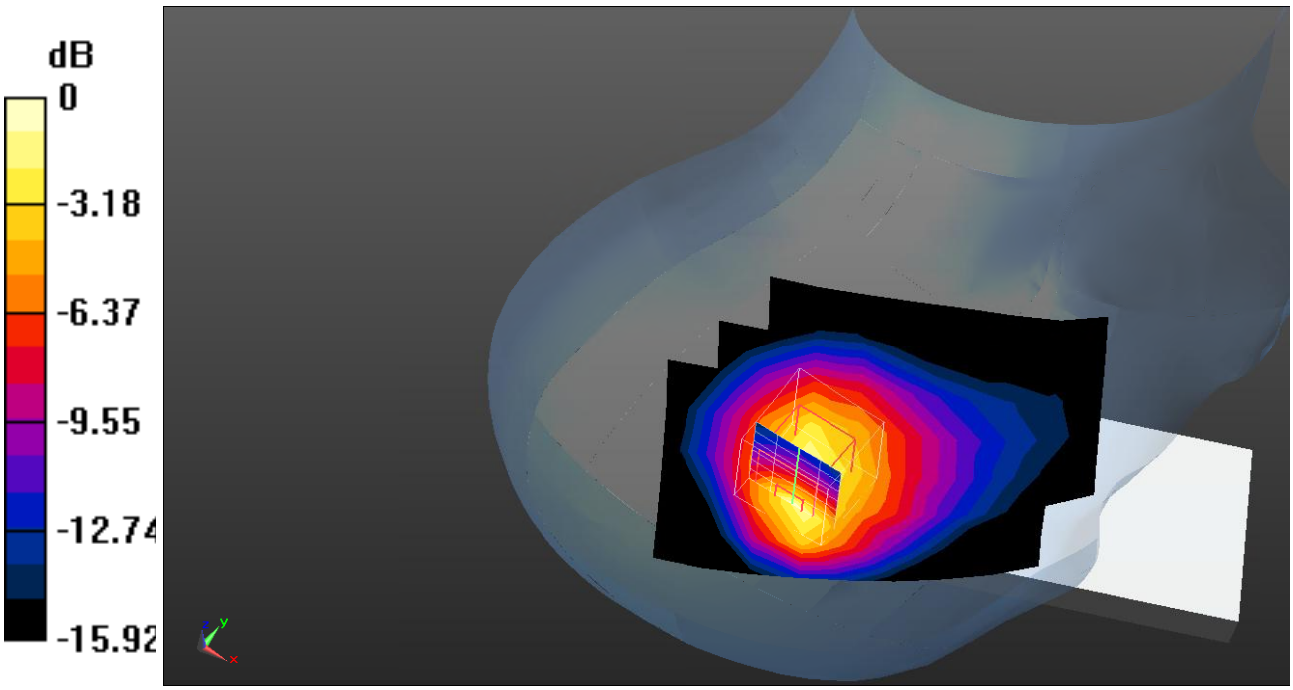
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.939 S/m; ε_r = 41.421; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.388 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.06 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.821 W/kg
SAR(1 g) = 0.387 W/kg; SAR(10 g) = 0.212 W/kg
Maximum value of SAR (measured) = 0.469 W/kg



0 dB = 0.469 W/kg = -3.29 dB dBW/kg

Test Plot 89#: LTE Band 5_Body Front_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

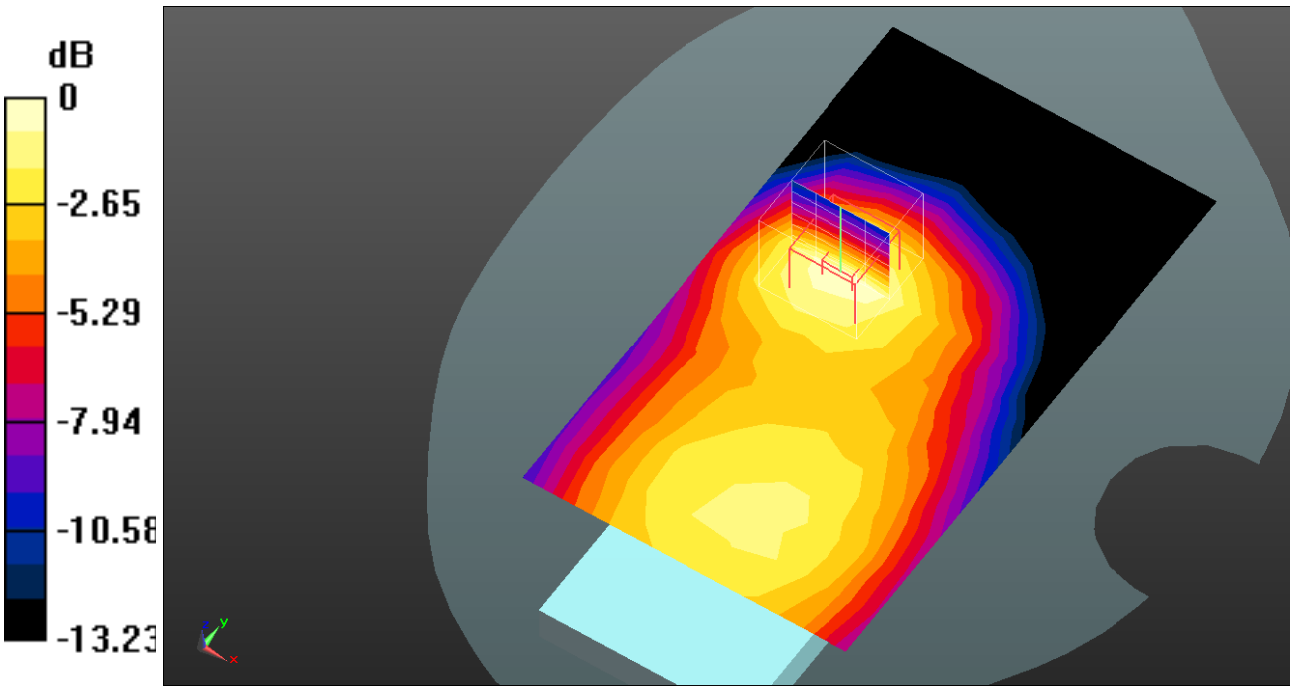
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.939 S/m; ε_r = 41.421; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.145 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.514 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.213 W/kg
SAR(1 g) = 0.138 W/kg; SAR(10 g) = 0.086 W/kg
Maximum value of SAR (measured) = 0.148 W/kg



0 dB = 0.148 W/kg = -8.30 dB dBW/kg

Test Plot 90#: LTE Band 5_Body Front_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

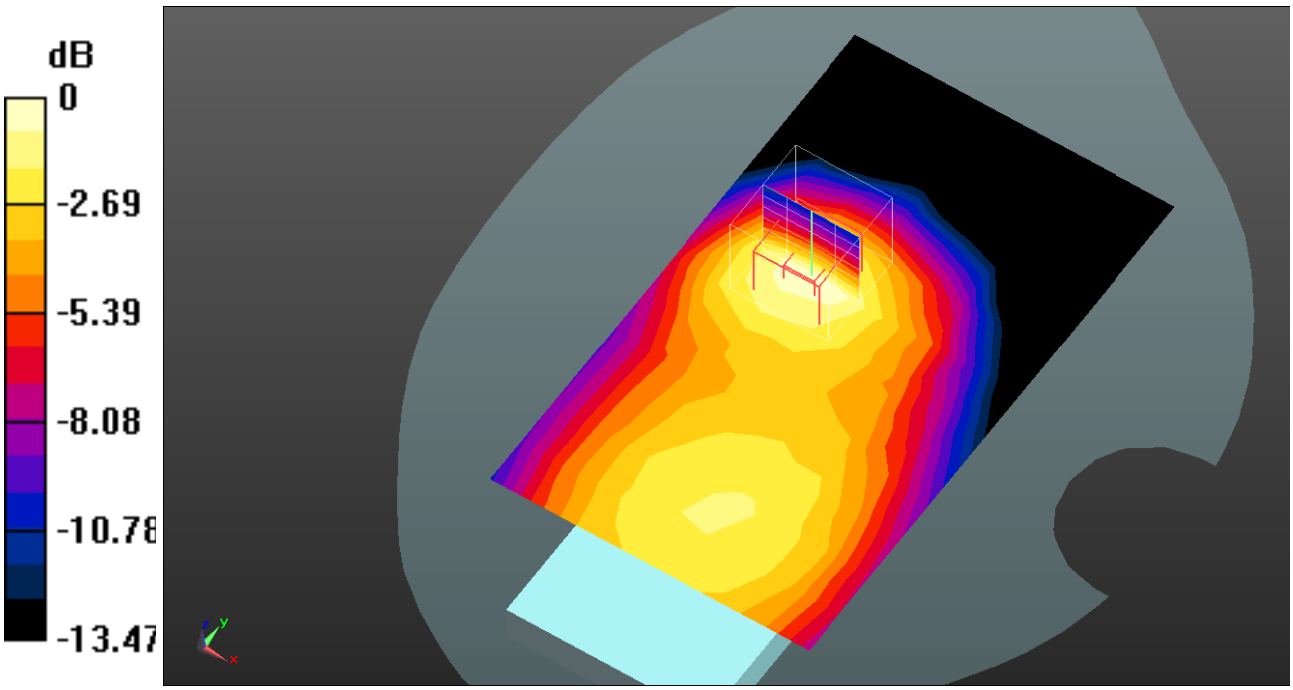
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.939 S/m; ε_r = 41.421; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.145 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.498 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.219 W/kg
SAR(1 g) = 0.140 W/kg; SAR(10 g) = 0.087 W/kg
Maximum value of SAR (measured) = 0.151 W/kg



0 dB = 0.151 W/kg = -8.21 dB dBW/kg

Test Plot 91#: LTE Band 5_Body Back_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

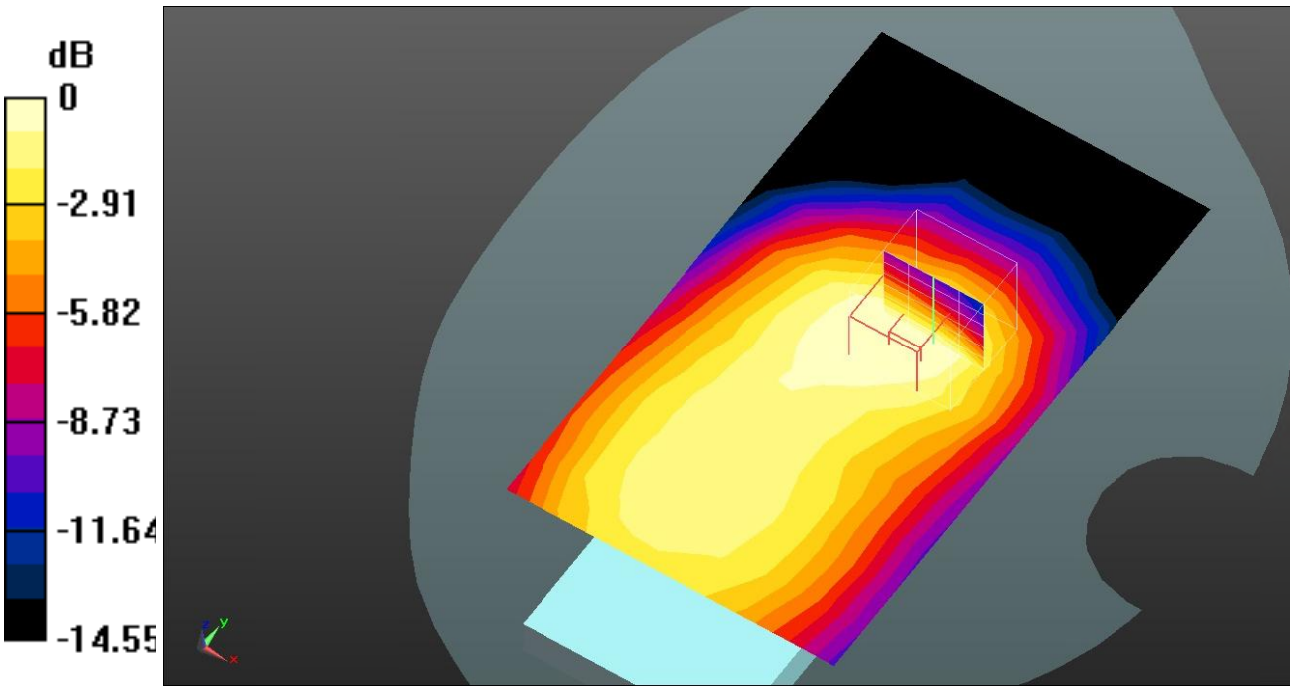
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.939 S/m; ε_r = 41.421; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.113 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.24 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.169 W/kg
SAR(1 g) = 0.113 W/kg; SAR(10 g) = 0.076 W/kg
Maximum value of SAR (measured) = 0.120 W/kg



0 dB = 0.120 W/kg = -9.21 dB dBW/kg

Test Plot 92#: LTE Band 5_Body Back_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

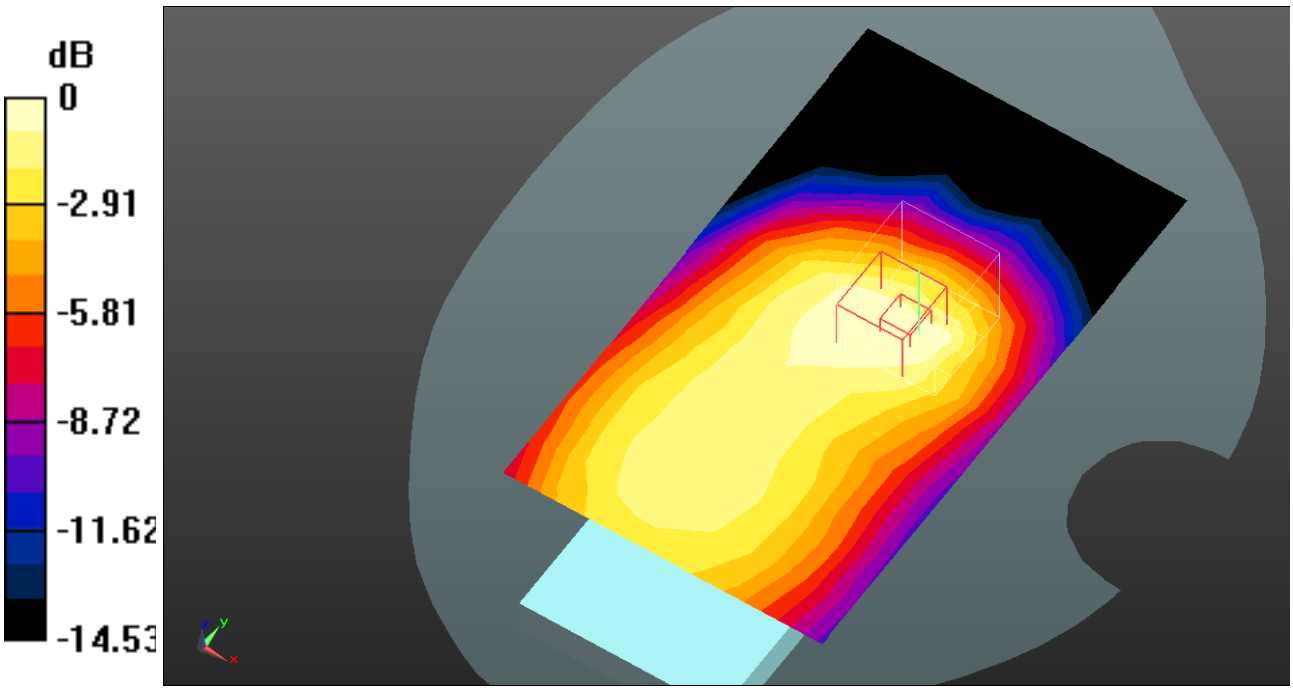
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.939 S/m; ε_r = 41.421; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.114 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.18 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.171 W/kg
SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.076 W/kg
Maximum value of SAR (measured) = 0.122 W/kg



0 dB = 0.122 W/kg = -9.14 dB dBW/kg

Test Plot 93#: LTE Band 5_Body Left_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

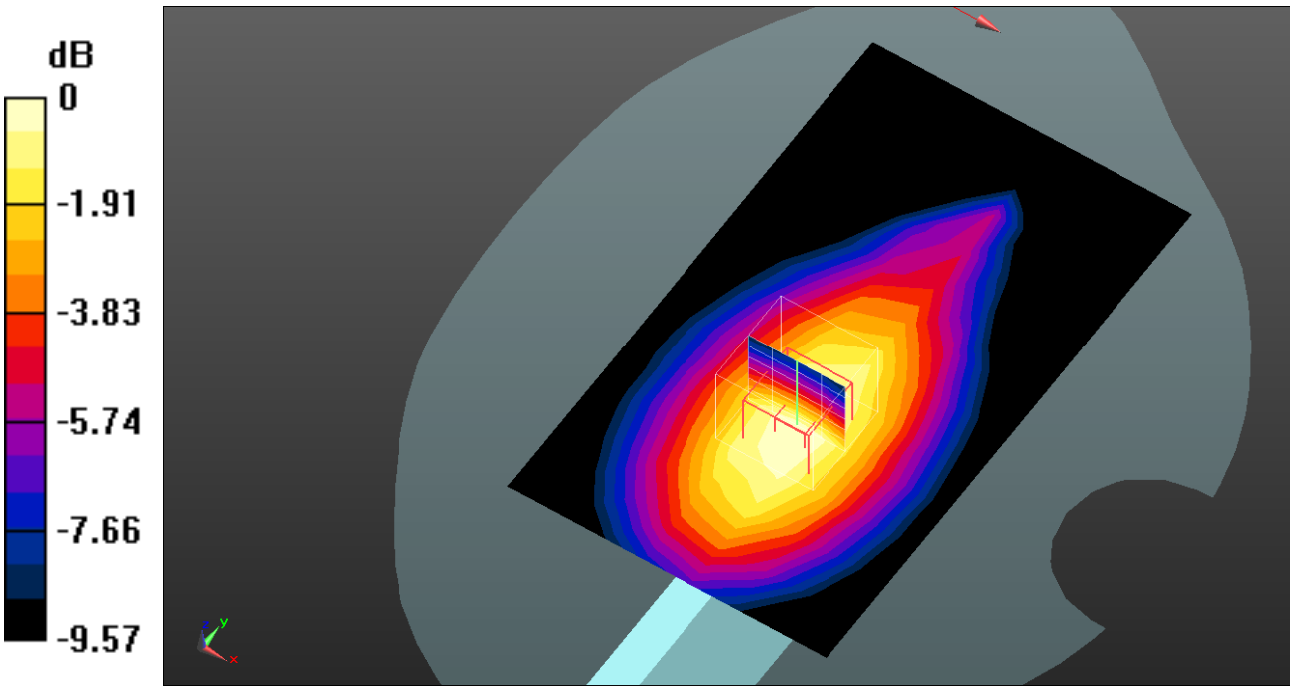
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.939 S/m; ε_r = 41.421; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x13x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.135 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.34 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.169 W/kg
SAR(1 g) = 0.127 W/kg; SAR(10 g) = 0.088 W/kg
Maximum value of SAR (measured) = 0.135 W/kg



0 dB = 0.135 W/kg = -8.70 dB dBW/kg

Test Plot 94#: LTE Band 5_Body Left_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

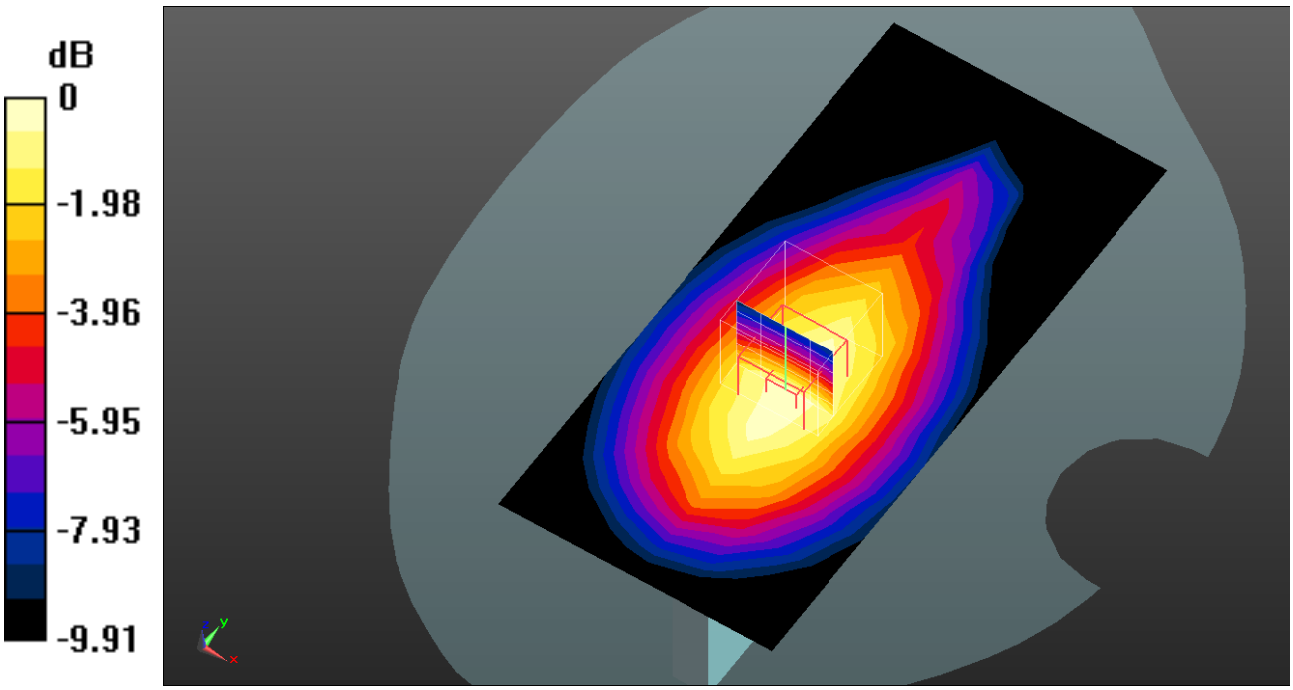
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.939 S/m; ε_r = 41.421; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.134 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.39 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.168 W/kg
SAR(1 g) = 0.125 W/kg; SAR(10 g) = 0.087 W/kg
Maximum value of SAR (measured) = 0.133 W/kg



0 dB = 0.133 W/kg = -8.76 dB dBW/kg

Test Plot 95#: LTE Band 5_Body Top_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

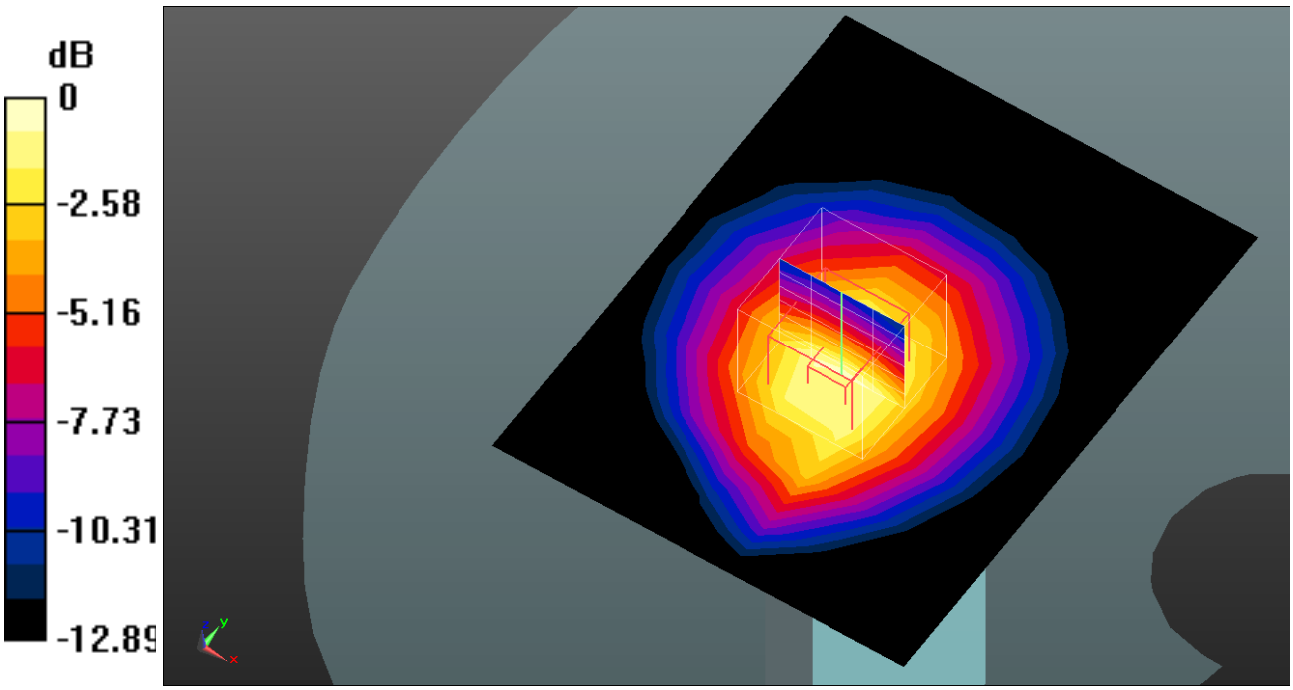
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.939 S/m; ε_r = 41.421; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.155 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.57 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.248 W/kg
SAR(1 g) = 0.160 W/kg; SAR(10 g) = 0.098 W/kg
Maximum value of SAR (measured) = 0.174 W/kg



0 dB = 0.174 W/kg = -7.59 dB dBW/kg

Test Plot 96#: LTE Band 5_Body Top_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

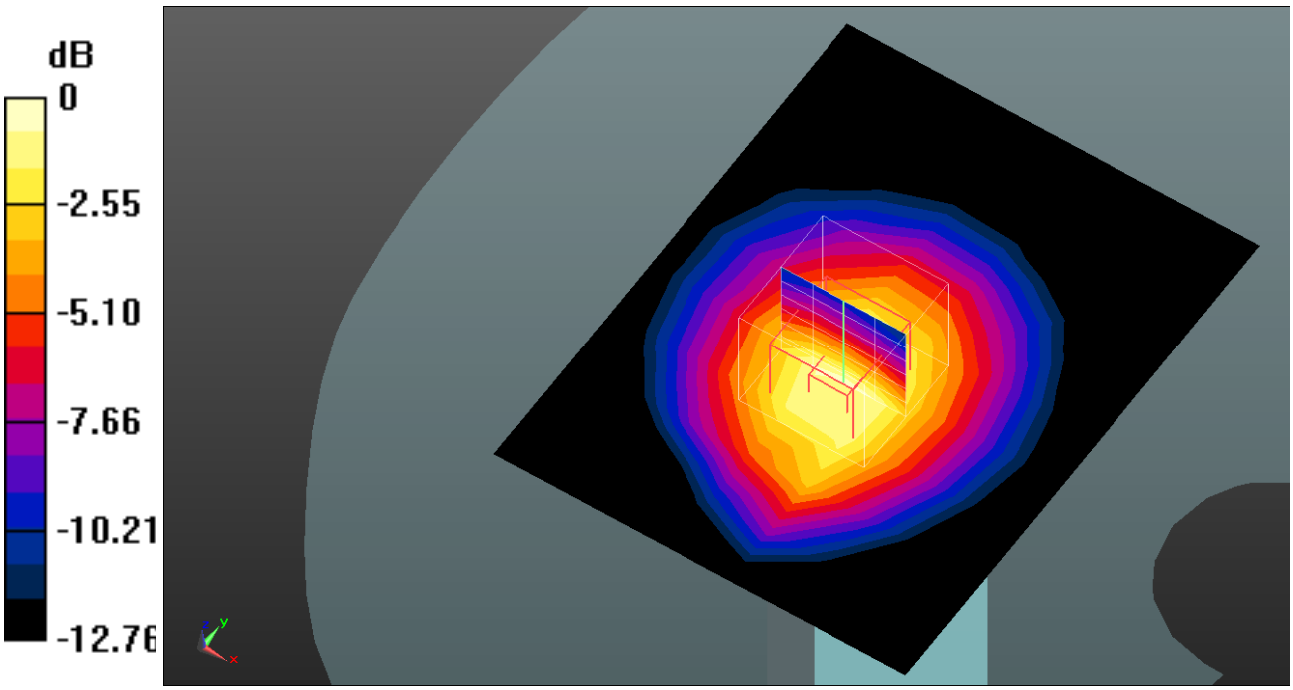
Communication System: Generic FDD-LTE (0); Frequency: 836.5 MHz;Duty Cycle: 1:1
Medium parameters used: f = 836.5 MHz; σ = 0.939 S/m; ε_r = 41.421; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.04, 10.04, 10.04) @836.5 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.154 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.46 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.246 W/kg
SAR(1 g) = 0.159 W/kg; SAR(10 g) = 0.098 W/kg
Maximum value of SAR (measured) = 0.173 W/kg



0 dB = 0.173 W/kg = -7.62 dB dBW/kg

Test Plot 97#: LTE Band 7_Head Left Cheek_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

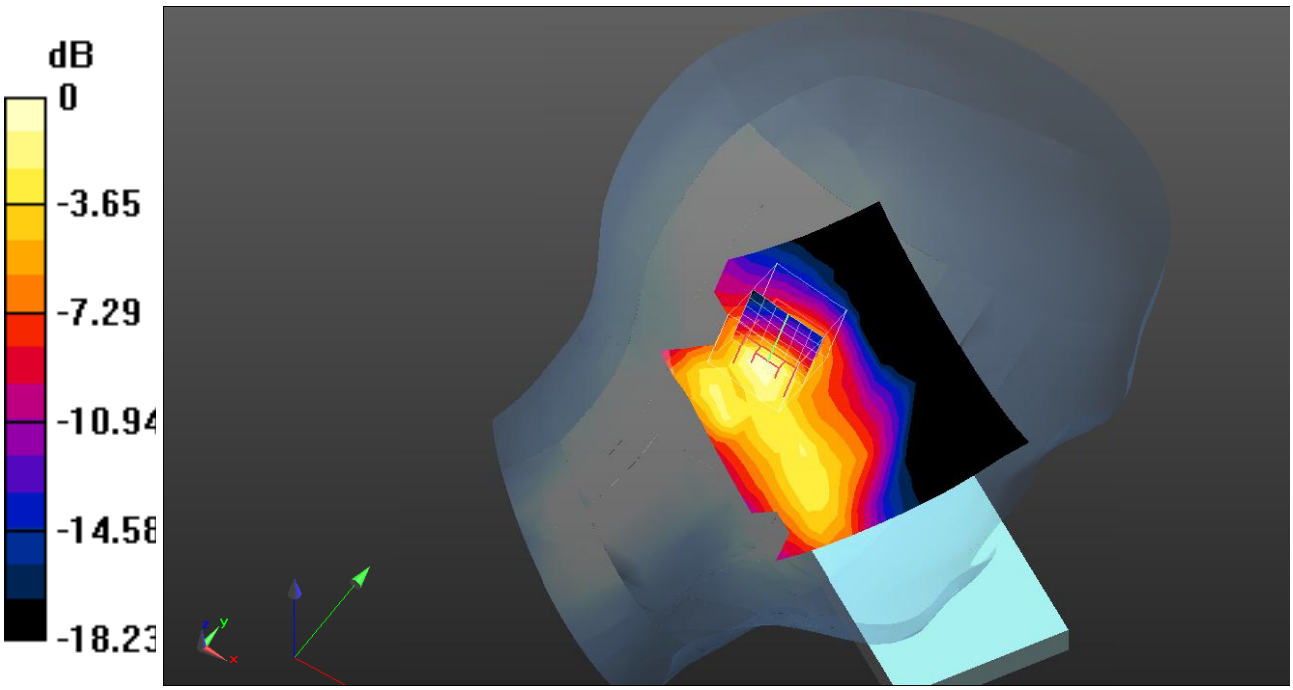
Communication System: Generic FDD-LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.92 S/m; ε_r = 39.647; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @2535 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.285 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.471 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.559 W/kg
SAR(1 g) = 0.270 W/kg; SAR(10 g) = 0.124 W/kg
Maximum value of SAR (measured) = 0.307 W/kg



0 dB = 0.307 W/kg = -5.13 dB dBW/kg

Test Plot 98#: LTE Band 7_Head Left Cheek_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

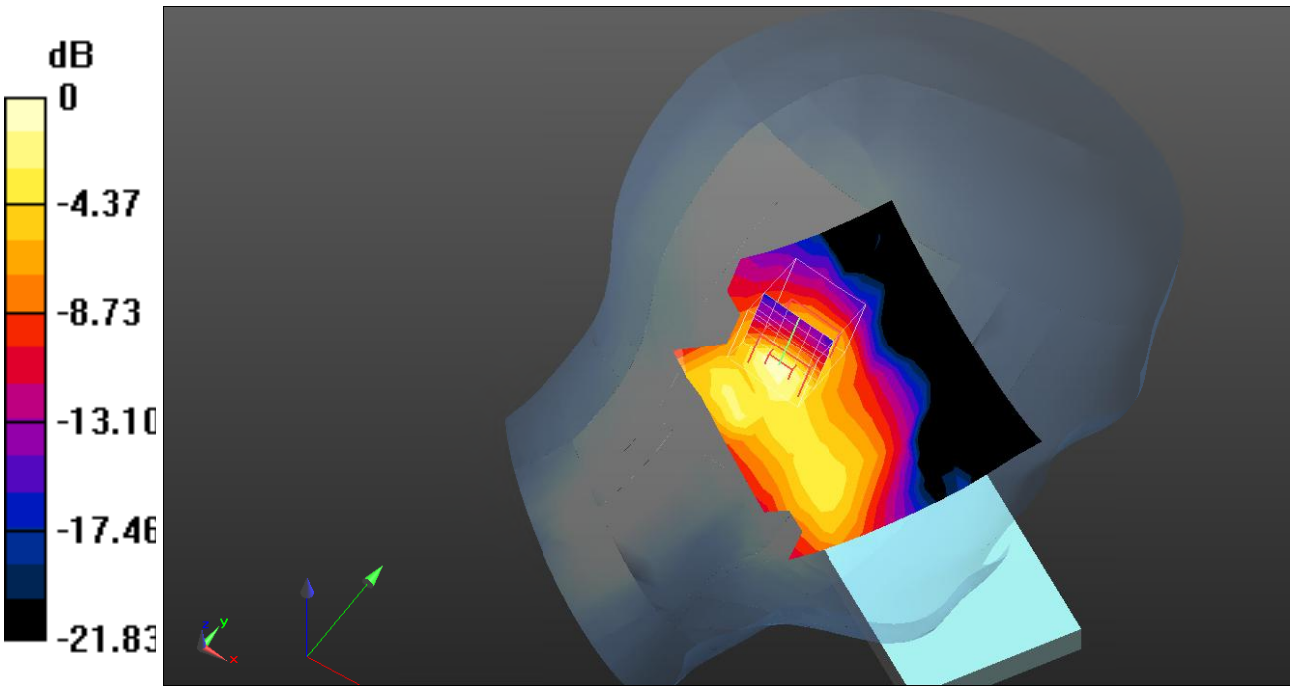
Communication System: Generic FDD-LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.92 S/m; ε_r = 39.647; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @2535 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.221 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.052 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.436 W/kg
SAR(1 g) = 0.205 W/kg; SAR(10 g) = 0.094 W/kg
Maximum value of SAR (measured) = 0.234 W/kg



0 dB = 0.234 W/kg = -6.31 dB dBW/kg

Test Plot 99#: LTE Band 7_Head Left Tilt_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

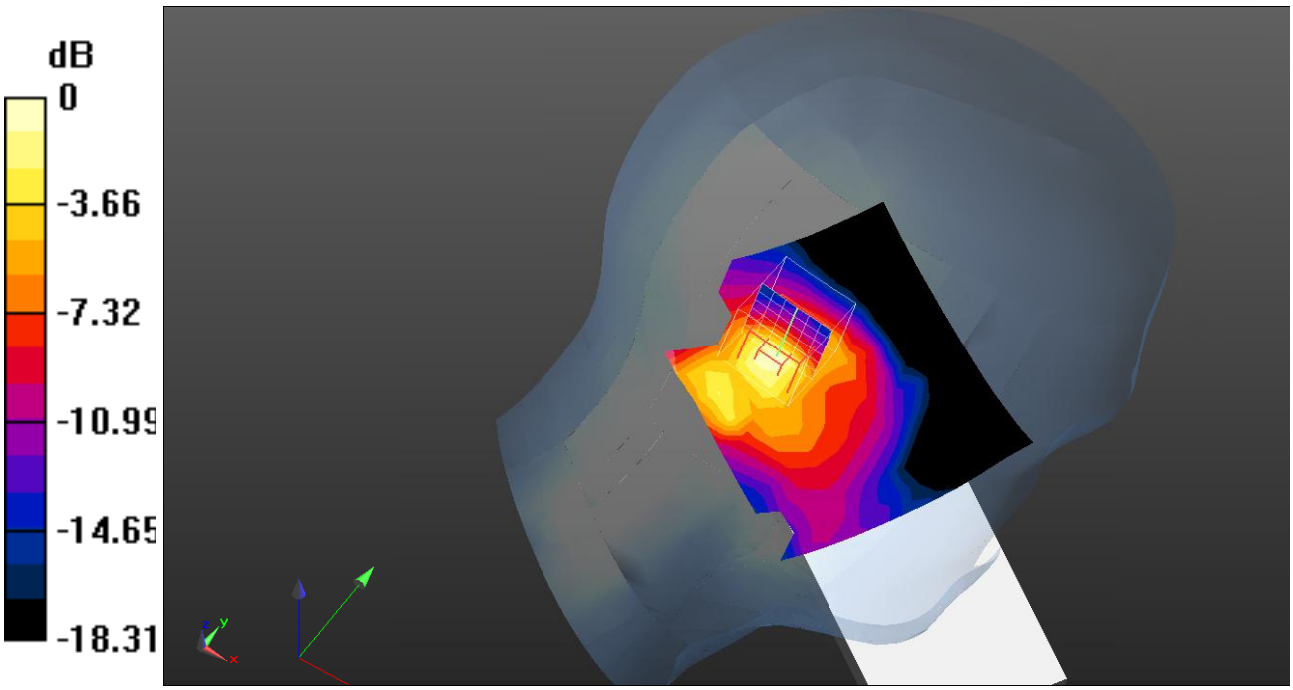
Communication System: Generic FDD-LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.92 S/m; ε_r = 39.647; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @2535 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.309 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.162 V/m; Power Drift = 0.1 dB
Peak SAR (extrapolated) = 0.596 W/kg
SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.126 W/kg
Maximum value of SAR (measured) = 0.315 W/kg



0 dB = 0.315 W/kg = -5.02 dB dBW/kg

Test Plot 100#: LTE Band 7_Head Left Tilt_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

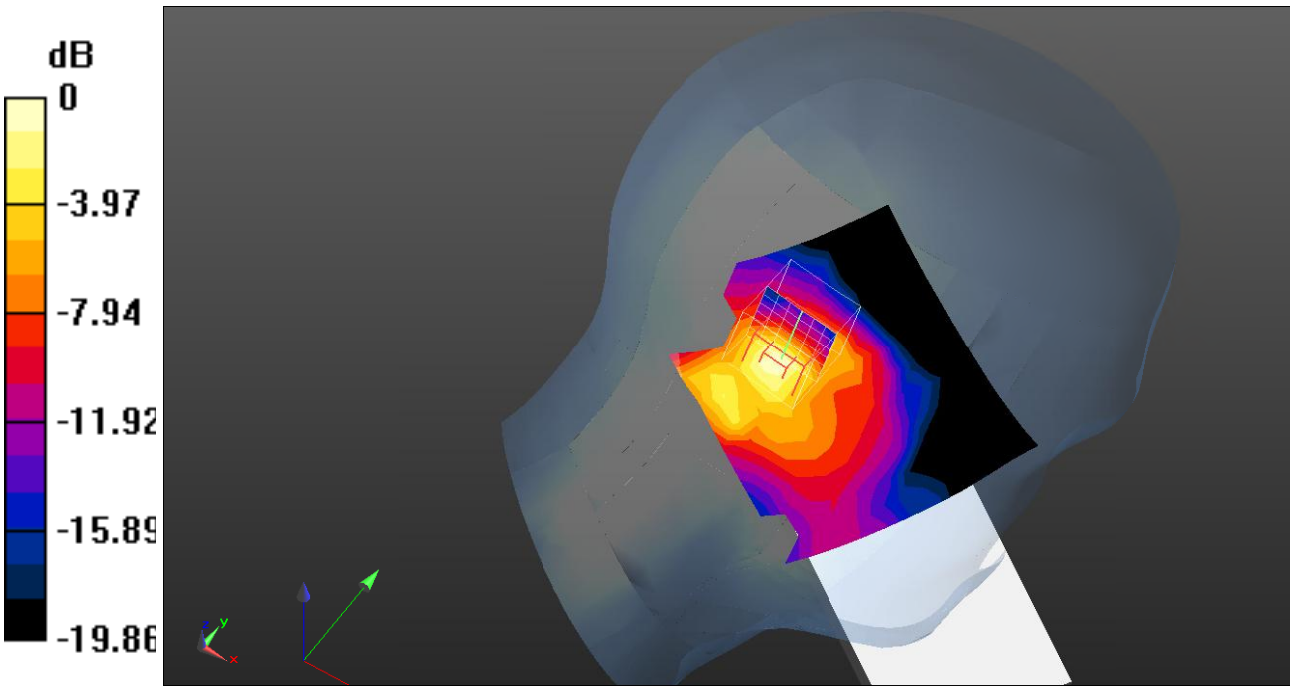
Communication System: Generic FDD-LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.92 S/m; ε_r = 39.647; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @2535 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.236 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.063 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.468 W/kg
SAR(1 g) = 0.216 W/kg; SAR(10 g) = 0.097 W/kg
Maximum value of SAR (measured) = 0.244 W/kg



0 dB = 0.244 W/kg = -6.13 dB dBW/kg

Test Plot 101#: LTE Band 7_Head Right Cheek_1RB_Low

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

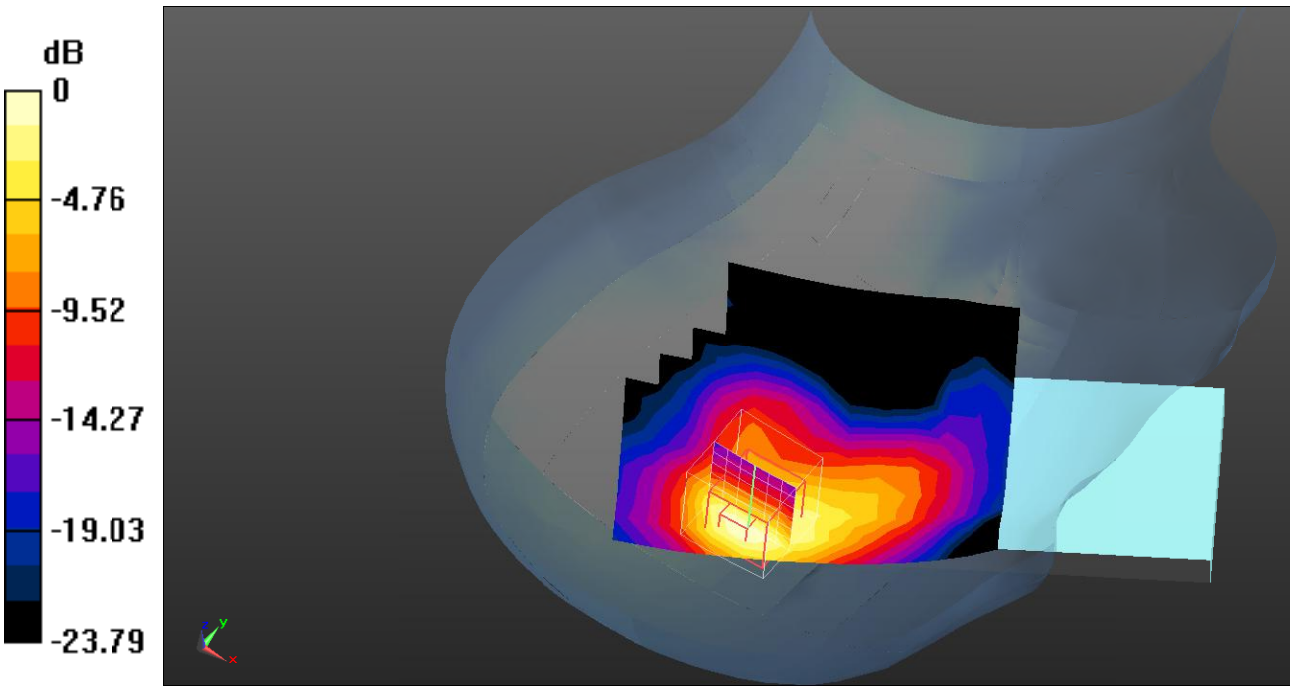
Communication System: Generic FDD-LTE (0); Frequency: 2510 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2510 MHz; σ = 1.882 S/m; ε_r = 39.752; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @2510 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.34 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.662 V/m; Power Drift = -00 dB
Peak SAR (extrapolated) = 2.56 W/kg
SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.518 W/kg
Maximum value of SAR (measured) = 1.31 W/kg



0 dB = 1.31 W/kg = 1.17 dB dBW/kg

Test Plot 102#: LTE Band 7_Head Right Cheek_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

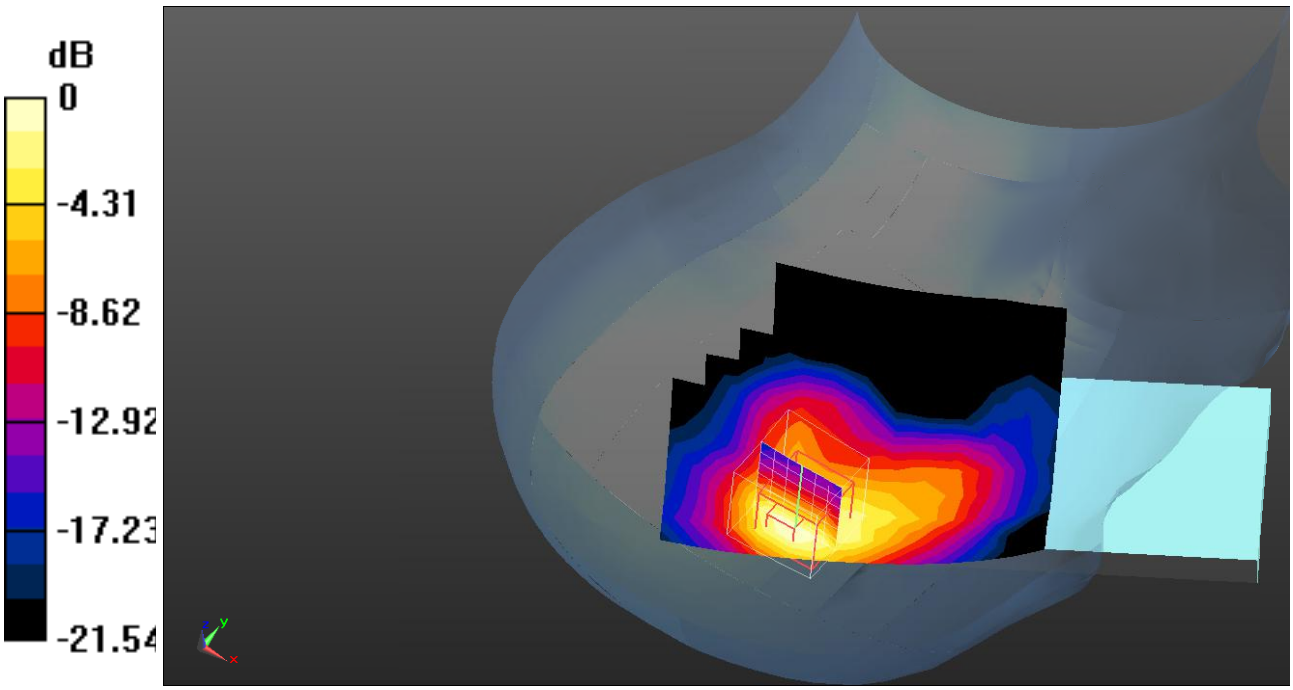
Communication System: Generic FDD-LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.92 S/m; ε_r = 39.647; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @2535 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.14 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.860 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 2.13 W/kg
SAR(1 g) = 0.932 W/kg; SAR(10 g) = 0.434 W/kg
Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 1.10 W/kg = 0.41 dB dBW/kg

Test Plot 103#: LTE Band 7_Head Right Cheek_1RB_High

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

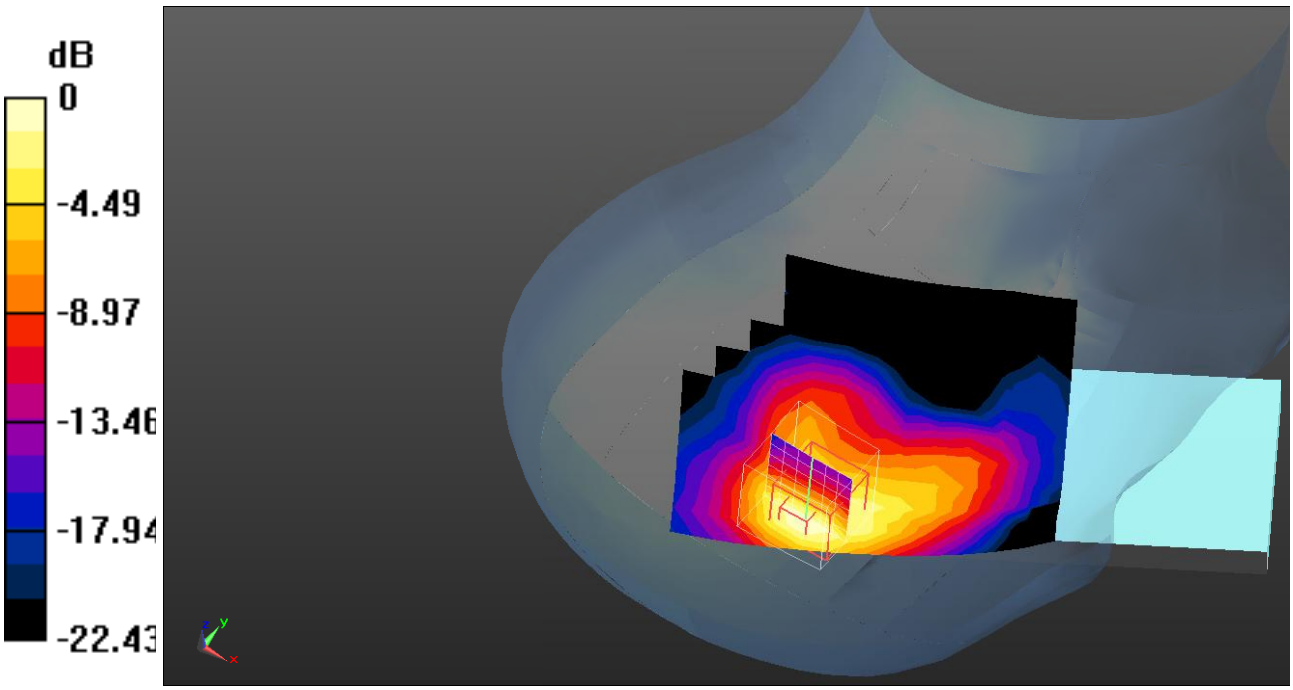
Communication System: Generic FDD-LTE (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 1.937 S/m; ε_r = 39.464; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.3, 7.3, 7.3) @2560 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.934 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.434 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 1.76 W/kg
SAR(1 g) = 0.770 W/kg; SAR(10 g) = 0.365 W/kg
Maximum value of SAR (measured) = 0.913 W/kg



0 dB = 0.913 W/kg = -0.40 dB dBW/kg

Test Plot 104#: LTE Band 7_Head Right Cheek_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

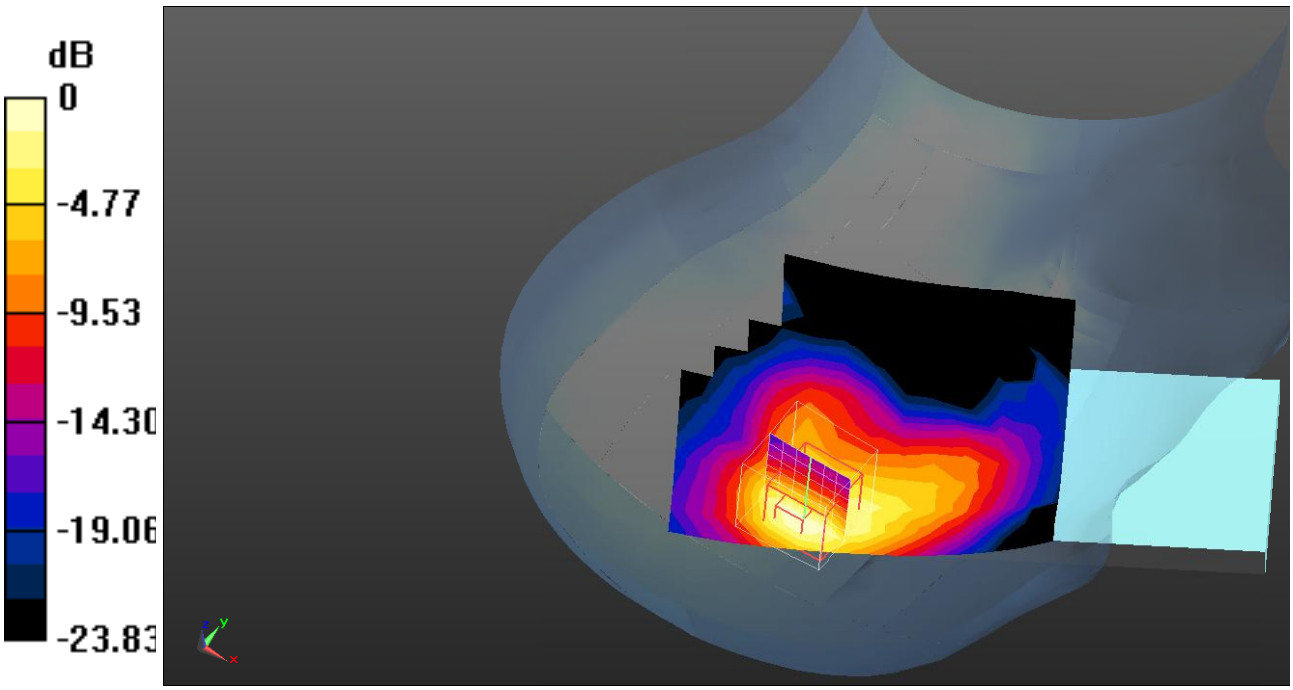
Communication System: Generic FDD-LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.92 S/m; ε_r = 39.647; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @2535 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.852 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.675 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.63 W/kg
SAR(1 g) = 0.709 W/kg; SAR(10 g) = 0.329 W/kg
Maximum value of SAR (measured) = 0.836 W/kg



0 dB = 0.836 W/kg = -0.78 dB dBW/kg

Test Plot 105#: LTE Band 7_Head Right Cheek_100%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

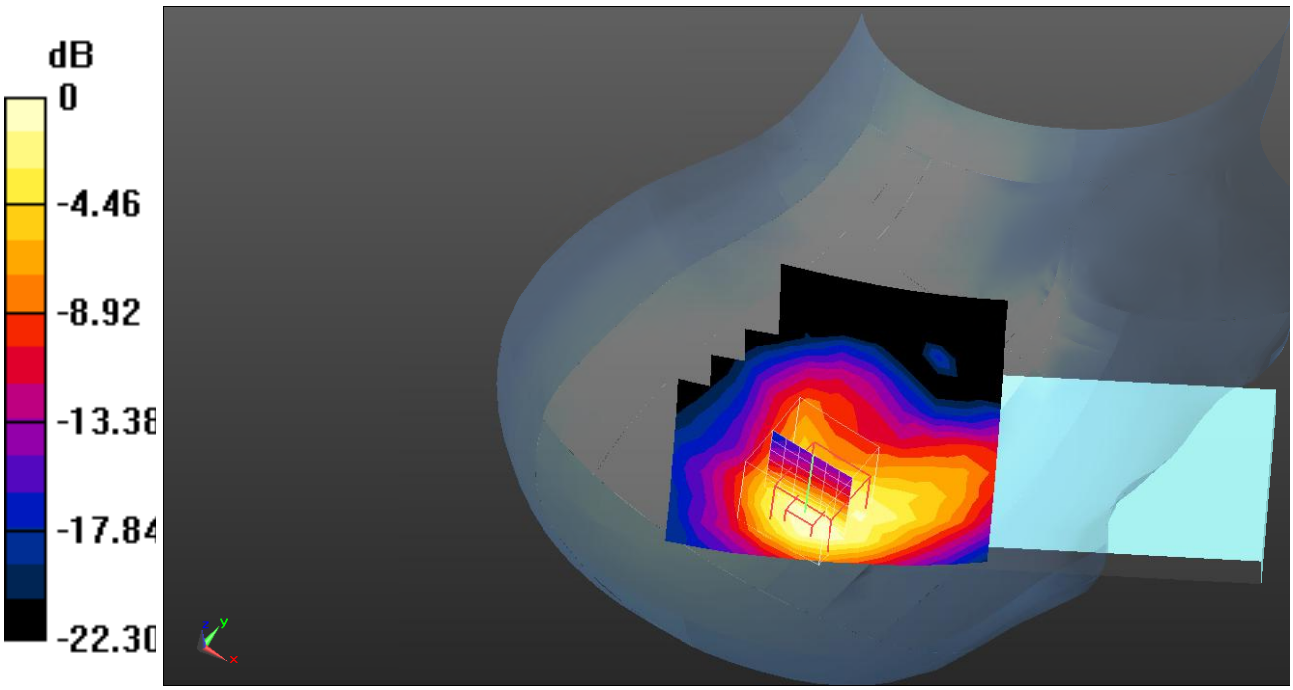
Communication System: Generic FDD-LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.92 S/m; ε_r = 39.647; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @2535 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.777 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.122 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.69 W/kg
SAR(1 g) = 0.727 W/kg; SAR(10 g) = 0.346 W/kg
Maximum value of SAR (measured) = 0.795 W/kg



0 dB = 0.795 W/kg = -1.00 dB dBW/kg

Test Plot 106#: LTE Band 7_Head Right Tilt_1RB_Low

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

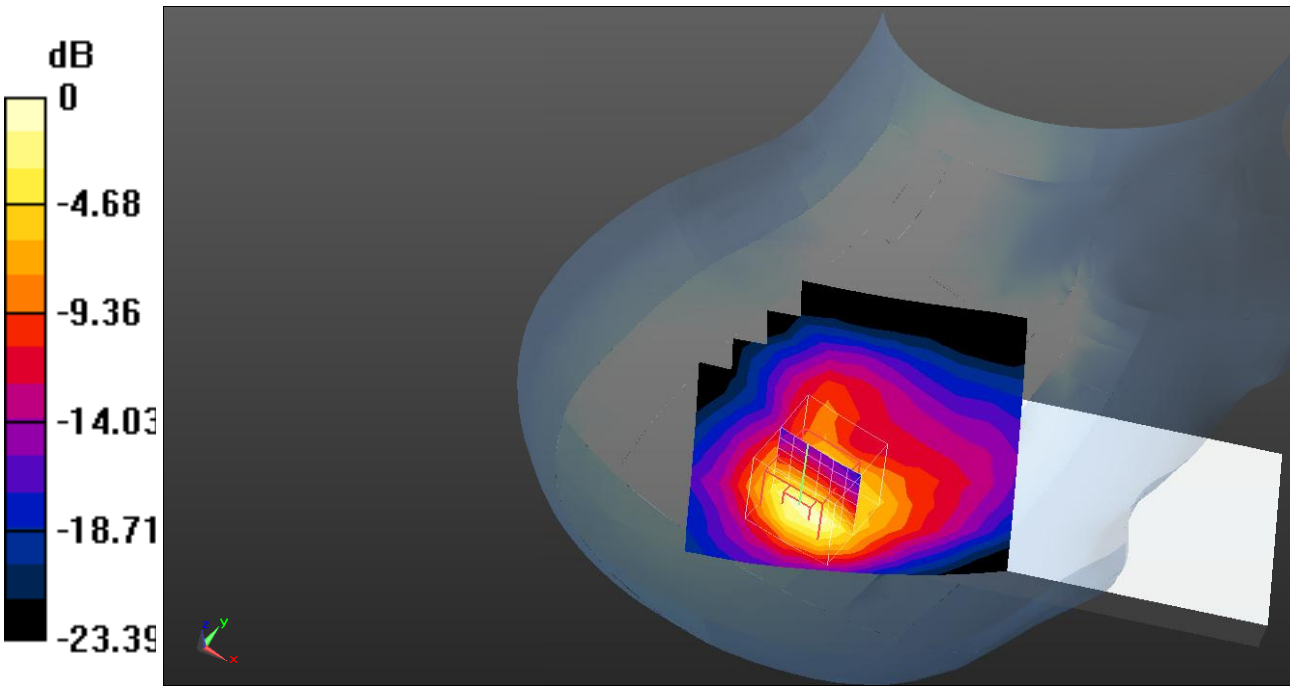
Communication System: Generic FDD-LTE (0); Frequency: 2510 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2510 MHz; σ = 1.882 S/m; ε_r = 39.752; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @2510 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 1.08 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.811 V/m; Power Drift = 0.17 dB
Peak SAR (extrapolated) = 2.63 W/kg
SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.455 W/kg
Maximum value of SAR (measured) = 1.27 W/kg



0 dB = 1.27 W/kg = 1.04 dB dBW/kg

Test Plot 107#: LTE Band 7_Head Right Tilt_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

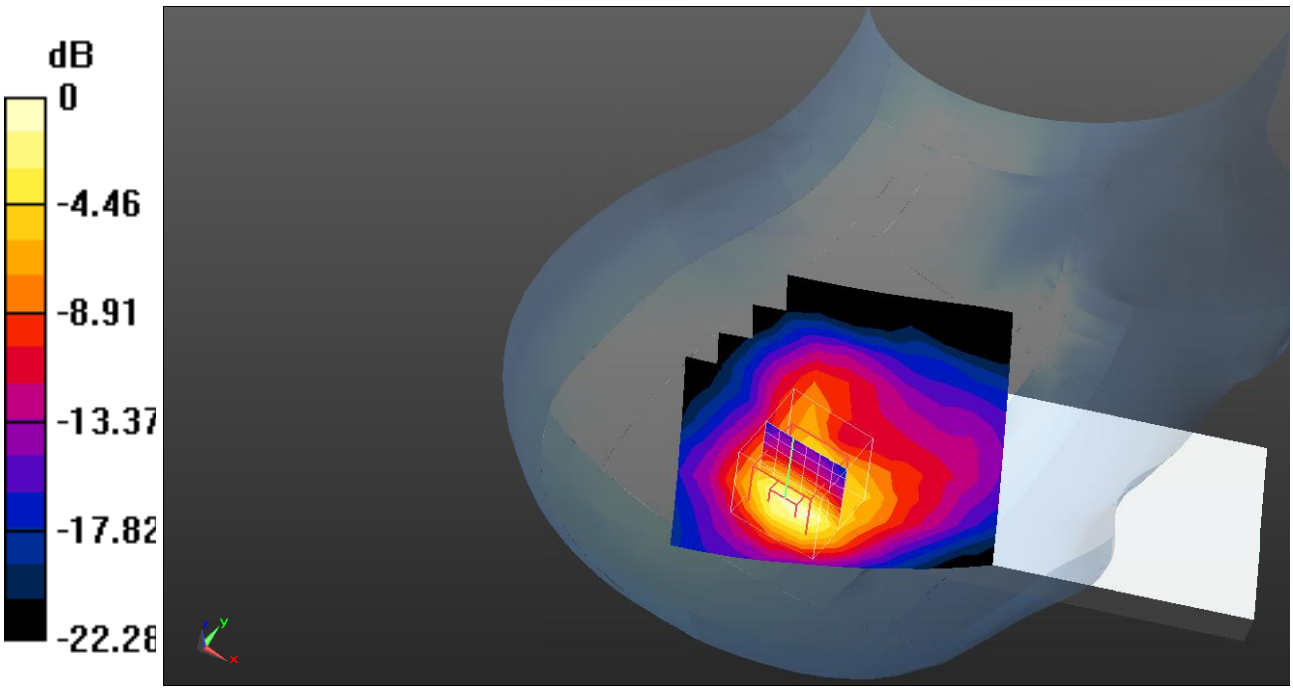
Communication System: Generic FDD-LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.92 S/m; ε_r = 39.647; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @2535 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.902 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.978 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 2.11 W/kg
SAR(1 g) = 0.879 W/kg; SAR(10 g) = 0.369 W/kg
Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.02 W/kg = 0.09 dB dBW/kg

Test Plot 108#: LTE Band 7_Head Right Tilt_1RB_High

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

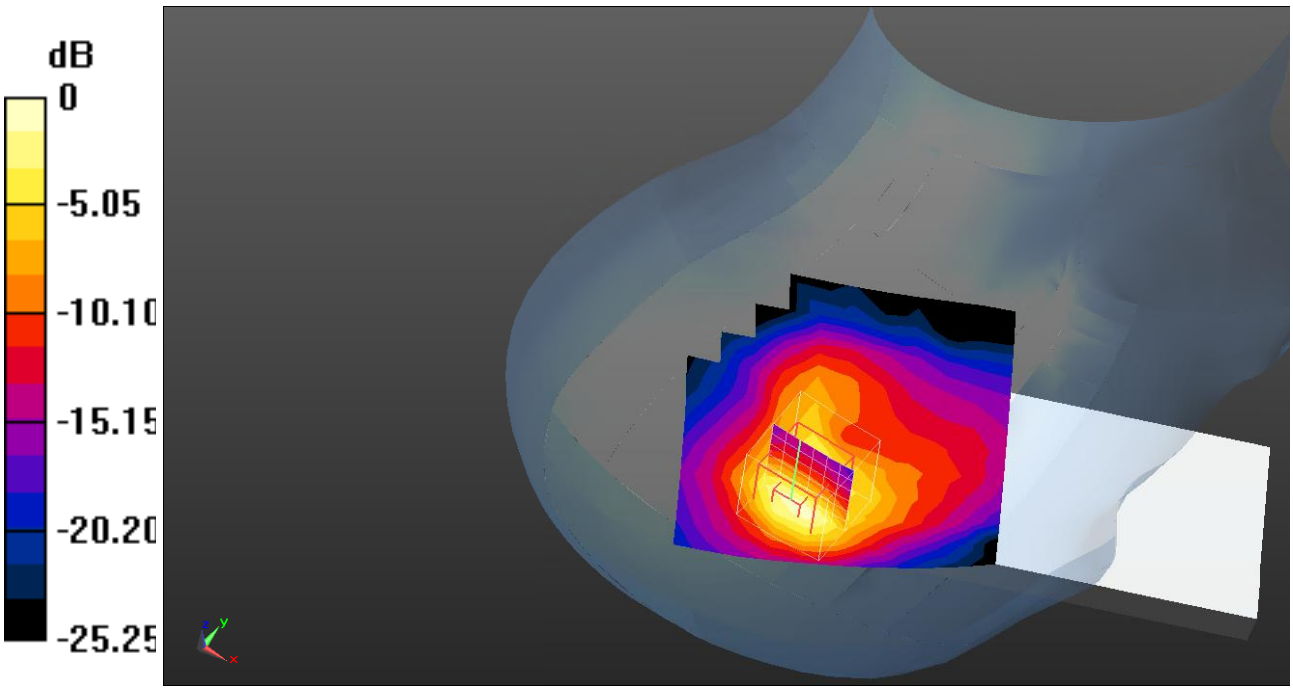
Communication System: Generic FDD-LTE (0); Frequency: 2560 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2560 MHz; σ = 1.937 S/m; ε_r = 39.464; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.3, 7.3, 7.3) @2560 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.750 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.383 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.75 W/kg
SAR(1 g) = 0.721 W/kg; SAR(10 g) = 0.303 W/kg
Maximum value of SAR (measured) = 0.854 W/kg



0 dB = 0.854 W/kg = -0.69 dB dBW/kg

Test Plot 109#: LTE Band 7_Head Right Tilt_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

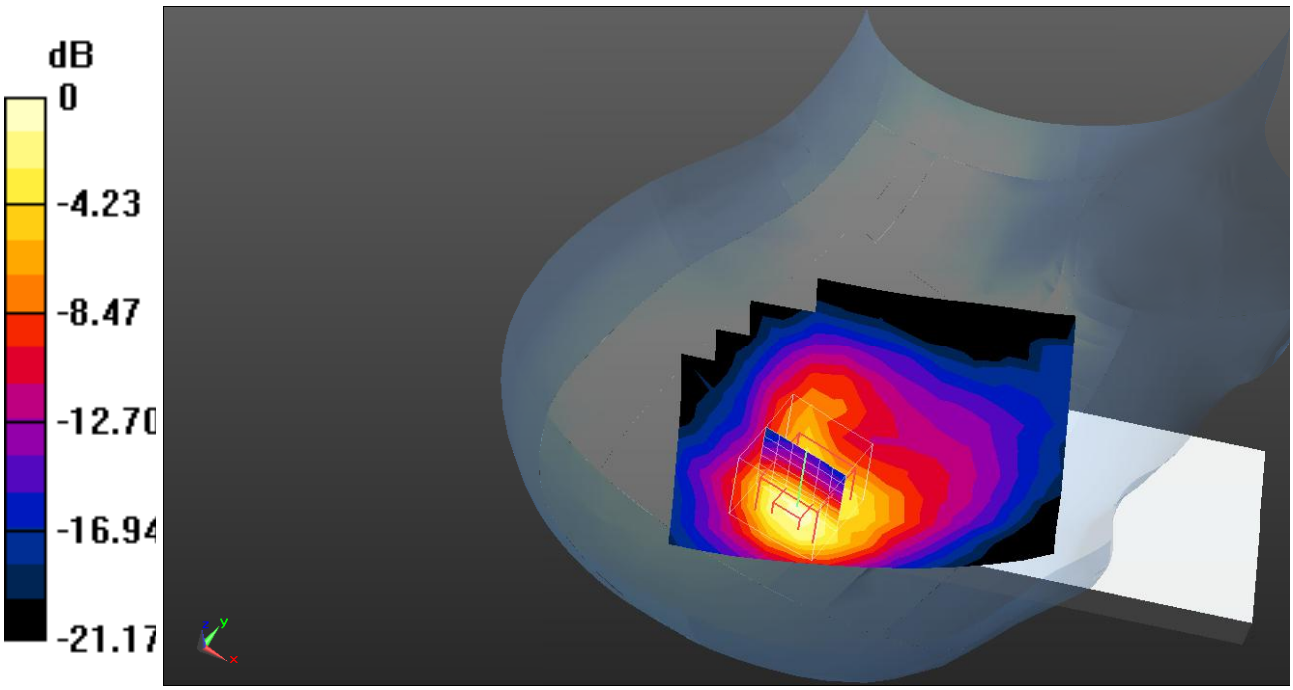
Communication System: Generic FDD-LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.92 S/m; ε_r = 39.647; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @2535 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.616 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.687 V/m; Power Drift = 0.15 dB
Peak SAR (extrapolated) = 1.46 W/kg
SAR(1 g) = 0.593 W/kg; SAR(10 g) = 0.265 W/kg
Maximum value of SAR (measured) = 0.683 W/kg



0 dB = 0.683 W/kg = -1.66 dB dBW/kg

Test Plot 110#: LTE Band 7_Head Right Tilt_100%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

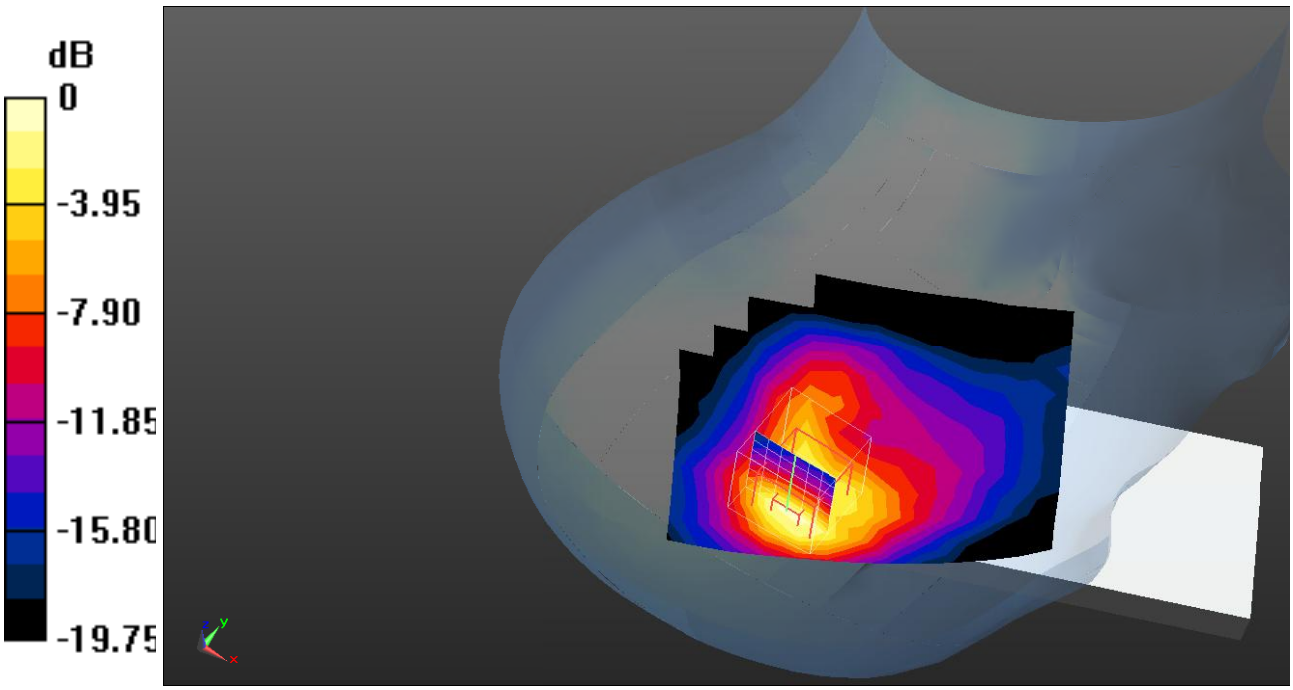
Communication System: Generic FDD-LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.92 S/m; ε_r = 39.647; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @2535 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.617 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.681 V/m; Power Drift = 0 dB
Peak SAR (extrapolated) = 1.37 W/kg
SAR(1 g) = 0.574 W/kg; SAR(10 g) = 0.260 W/kg
Maximum value of SAR (measured) = 0.638 W/kg



0 dB = 0.638 W/kg = -1.95 dB dBW/kg

Test Plot 111#: LTE Band 7_Body Front_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

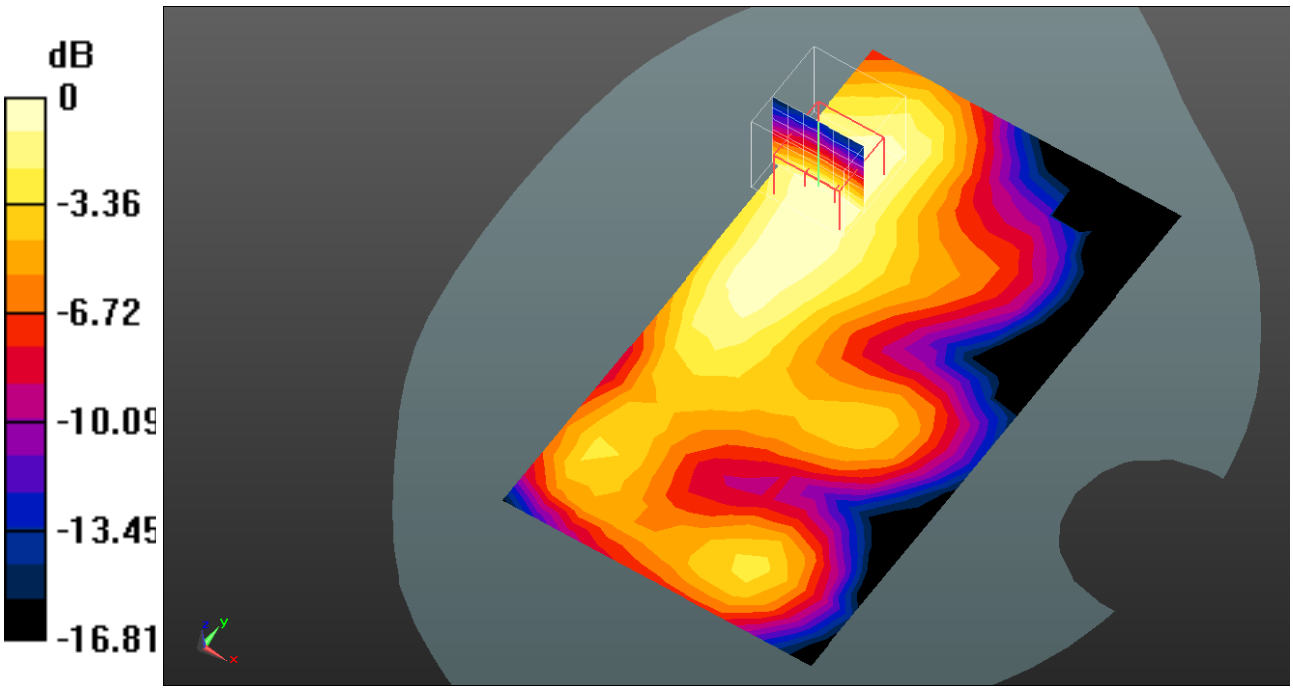
Communication System: Generic FDD-LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.92 S/m; ε_r = 39.647; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @2535 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x19x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.193 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.433 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.299 W/kg
SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.104 W/kg
Maximum value of SAR (measured) = 0.189 W/kg



0 dB = 0.189 W/kg = -7.24 dB dBW/kg

Test Plot 112#: LTE Band 7_Body Front_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

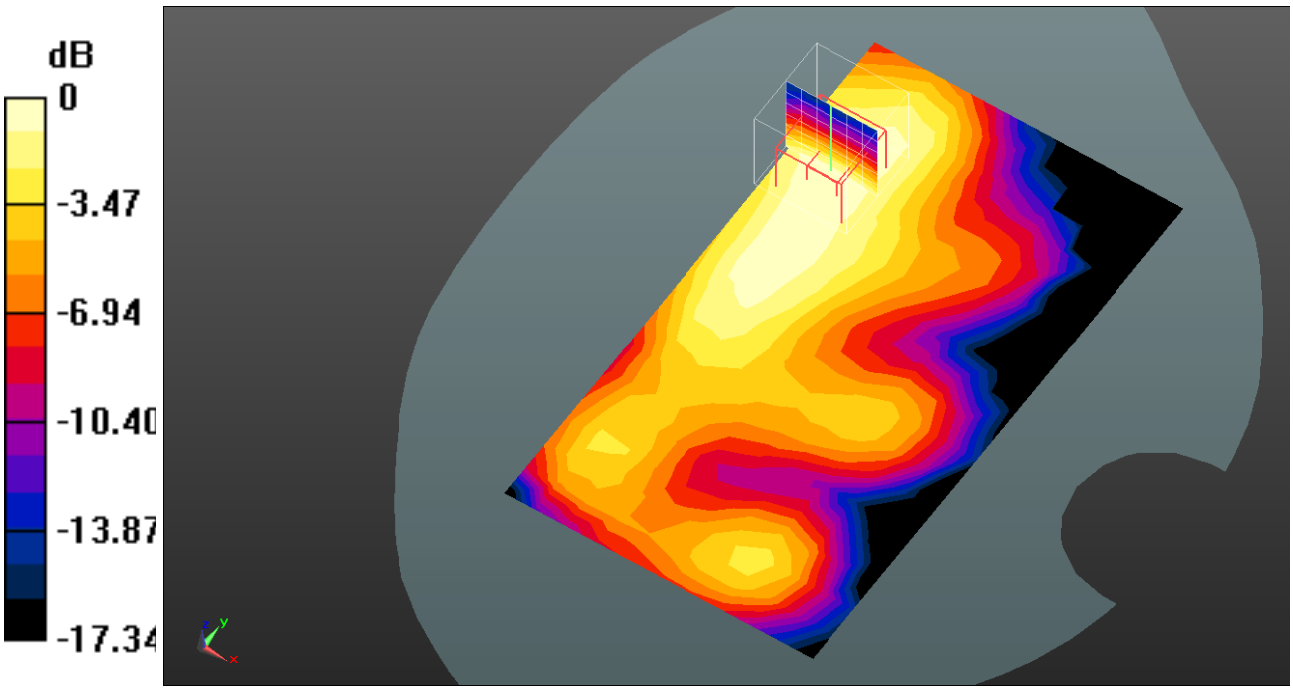
Communication System: Generic FDD-LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.92 S/m; ε_r = 39.647; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @2535 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x19x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.142 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.726 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.222 W/kg
SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.078 W/kg
Maximum value of SAR (measured) = 0.143 W/kg



0 dB = 0.143 W/kg = -8.45 dB dBW/kg

Test Plot 113#: LTE Band 7_Body Back_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

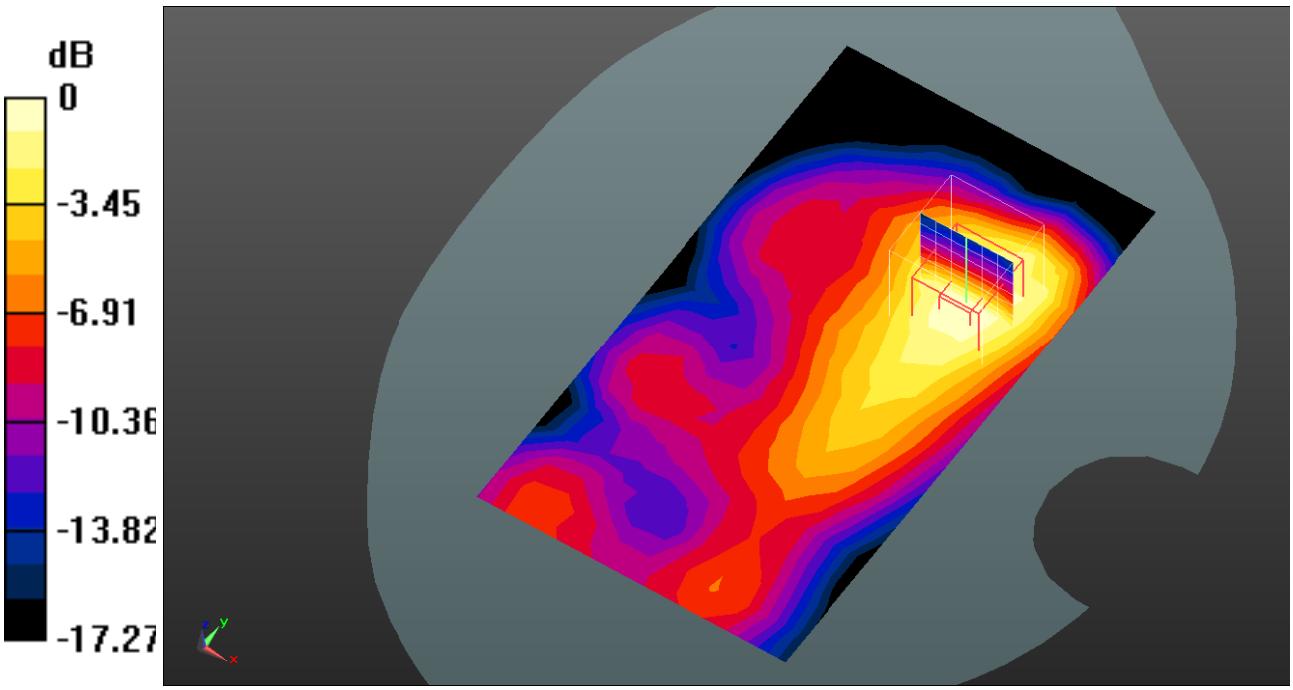
Communication System: Generic FDD-LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.92 S/m; ε_r = 39.647; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @2535 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x19x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.479 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.378 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.842 W/kg
SAR(1 g) = 0.447 W/kg; SAR(10 g) = 0.246 W/kg
Maximum value of SAR (measured) = 0.487 W/kg



0 dB = 0.487 W/kg = -3.12 dB dBW/kg

Test Plot 114#: LTE Band 7_Body Back_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

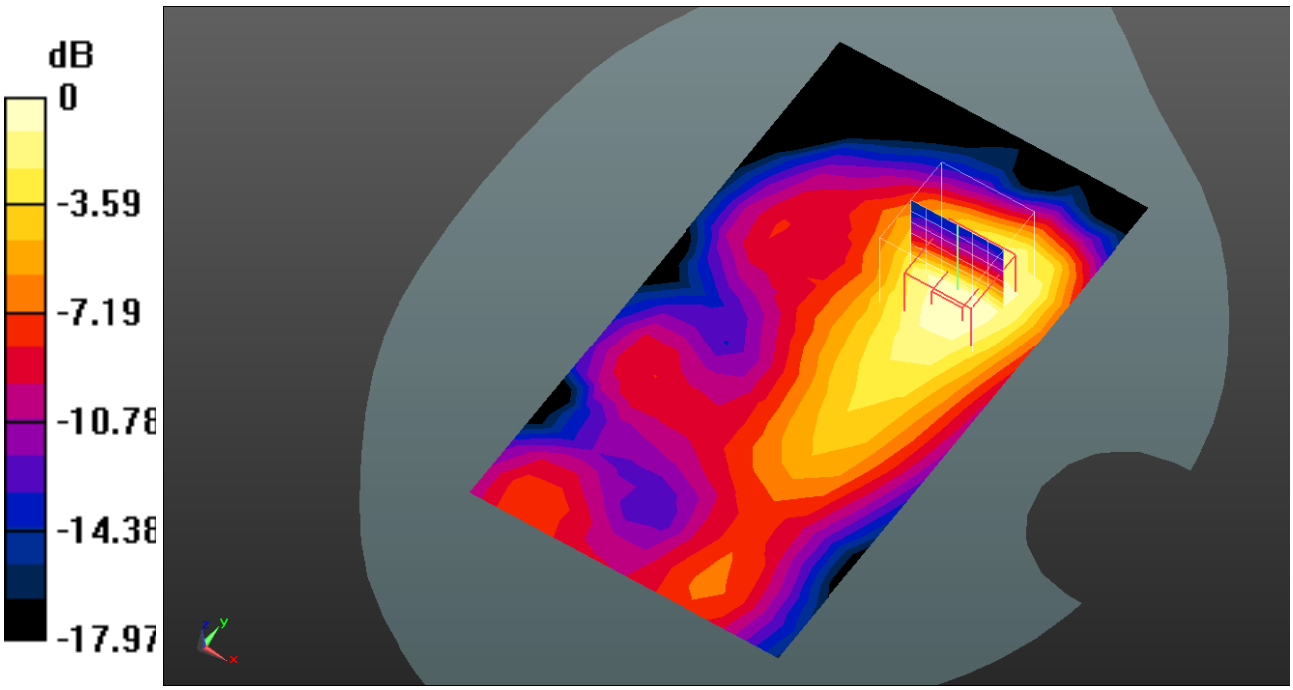
Communication System: Generic FDD-LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.92 S/m; ε_r = 39.647; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @2535 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x19x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.377 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.595 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.646 W/kg
SAR(1 g) = 0.338 W/kg; SAR(10 g) = 0.185 W/kg
Maximum value of SAR (measured) = 0.364 W/kg



0 dB = 0.364 W/kg = -4.39 dB dBW/kg

Test Plot 115#: LTE Band 7_Body Left_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

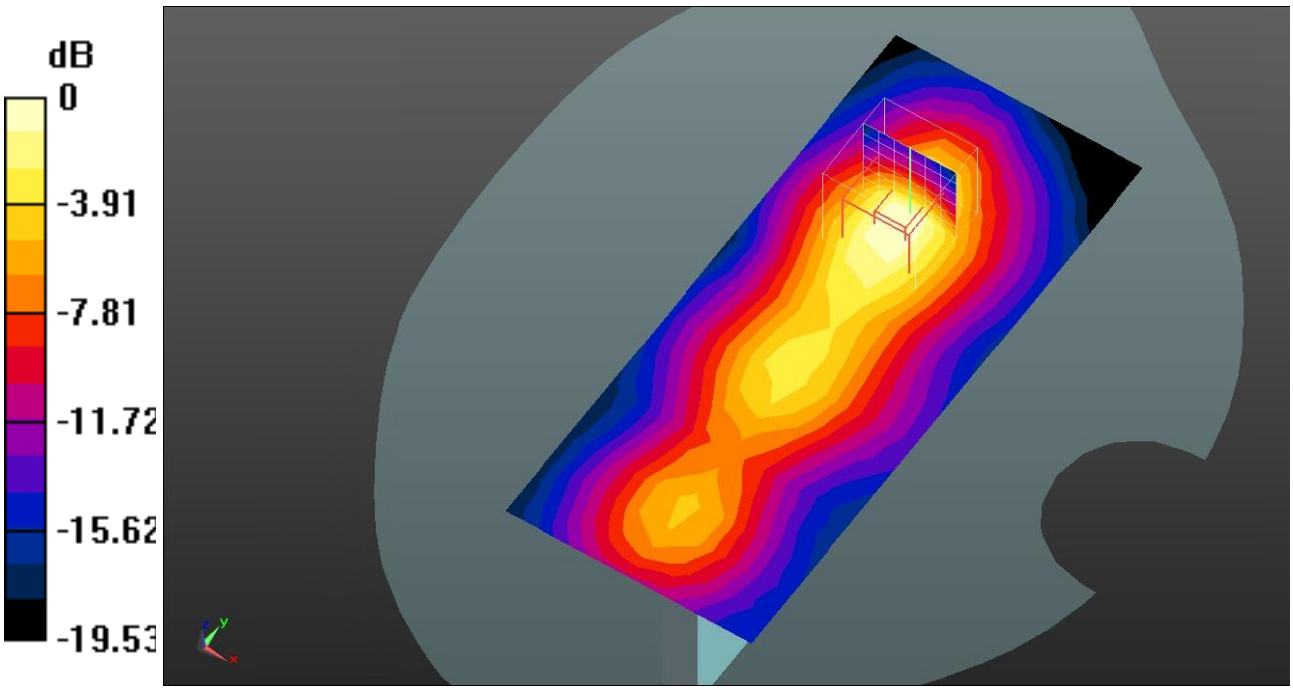
Communication System: Generic FDD-LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.92 S/m; ε_r = 39.647; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @2535 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (9x20x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.650 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 13.04 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 1.20 W/kg
SAR(1 g) = 0.666 W/kg; SAR(10 g) = 0.339 W/kg
Maximum value of SAR (measured) = 0.731 W/kg



0 dB = 0.731 W/kg = -1.36 dB dBW/kg

Test Plot 116#: LTE Band 7_Body Left_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

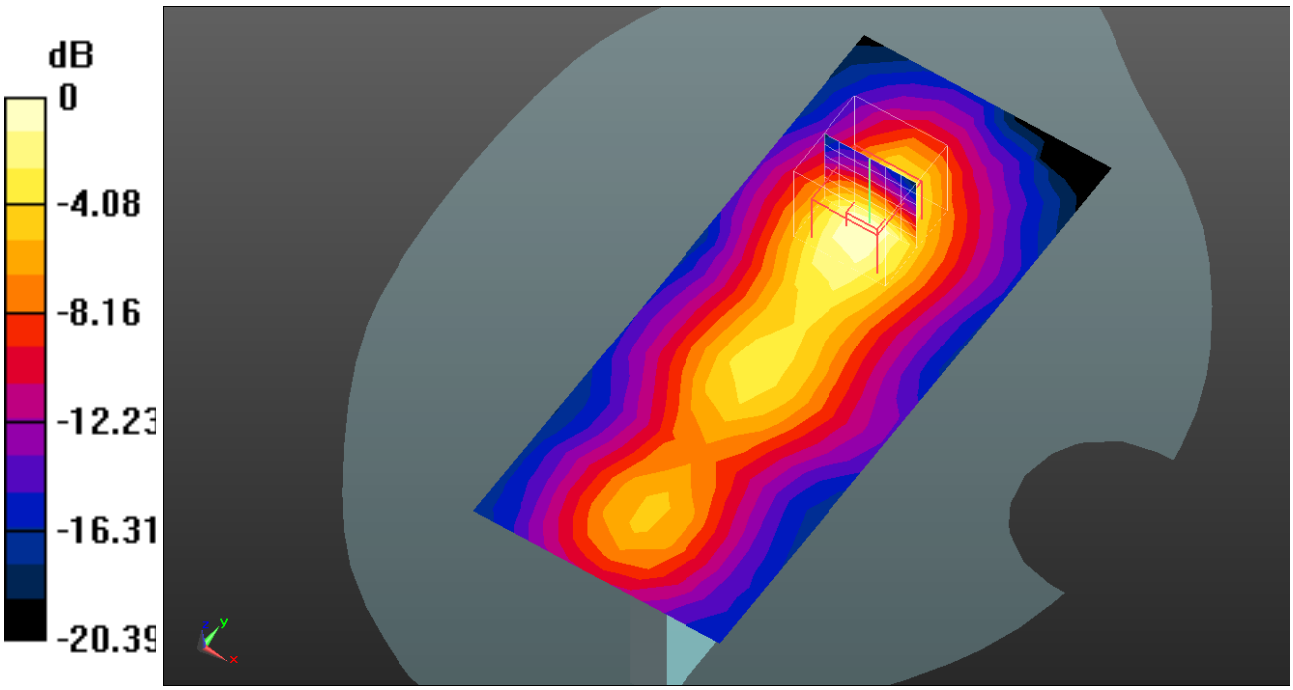
Communication System: Generic FDD-LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.92 S/m; ε_r = 39.647; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @2535 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (9x20x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.511 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.61 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.951 W/kg
SAR(1 g) = 0.511 W/kg; SAR(10 g) = 0.259 W/kg
Maximum value of SAR (measured) = 0.571 W/kg



0 dB = 0.571 W/kg = -2.43 dB dBW/kg

Test Plot 117#: LTE Band 7_Body Top_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

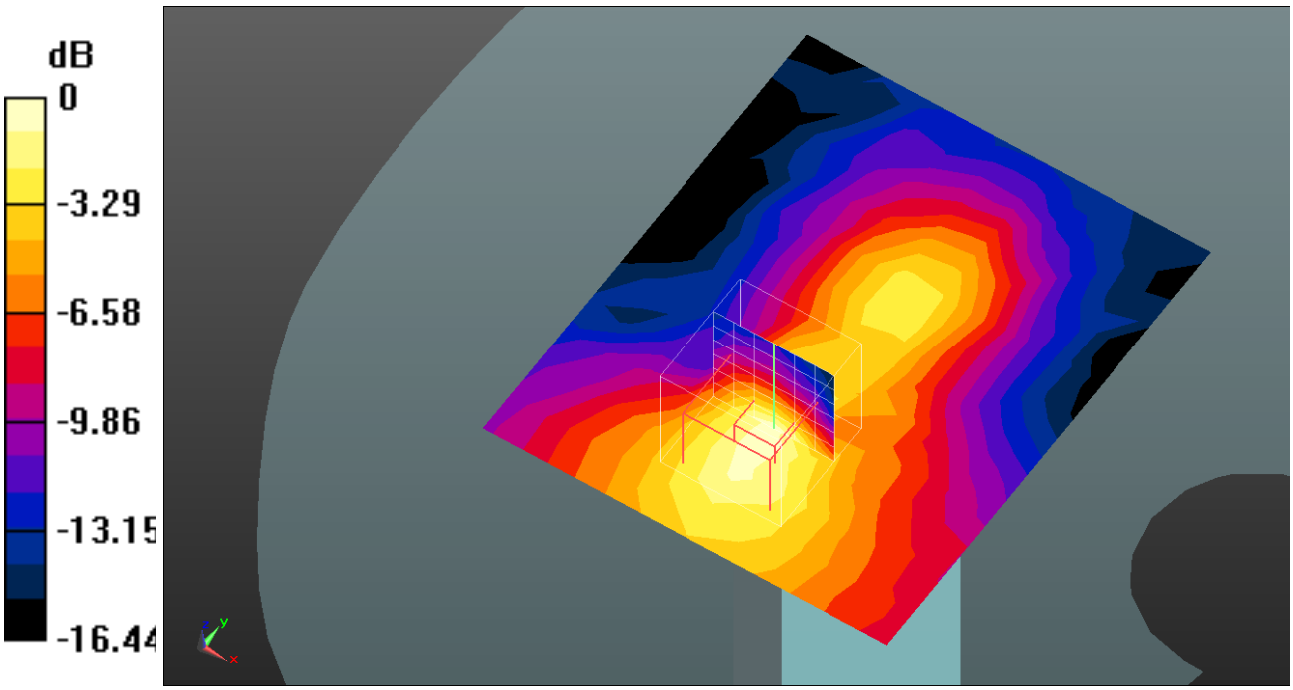
Communication System: Generic FDD-LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.92 S/m; ε_r = 39.647; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @2535 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.173 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.051 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.286 W/kg
SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.076 W/kg
Maximum value of SAR (measured) = 0.169 W/kg



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

Test Plot 118#: LTE Band 7_Body Top_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

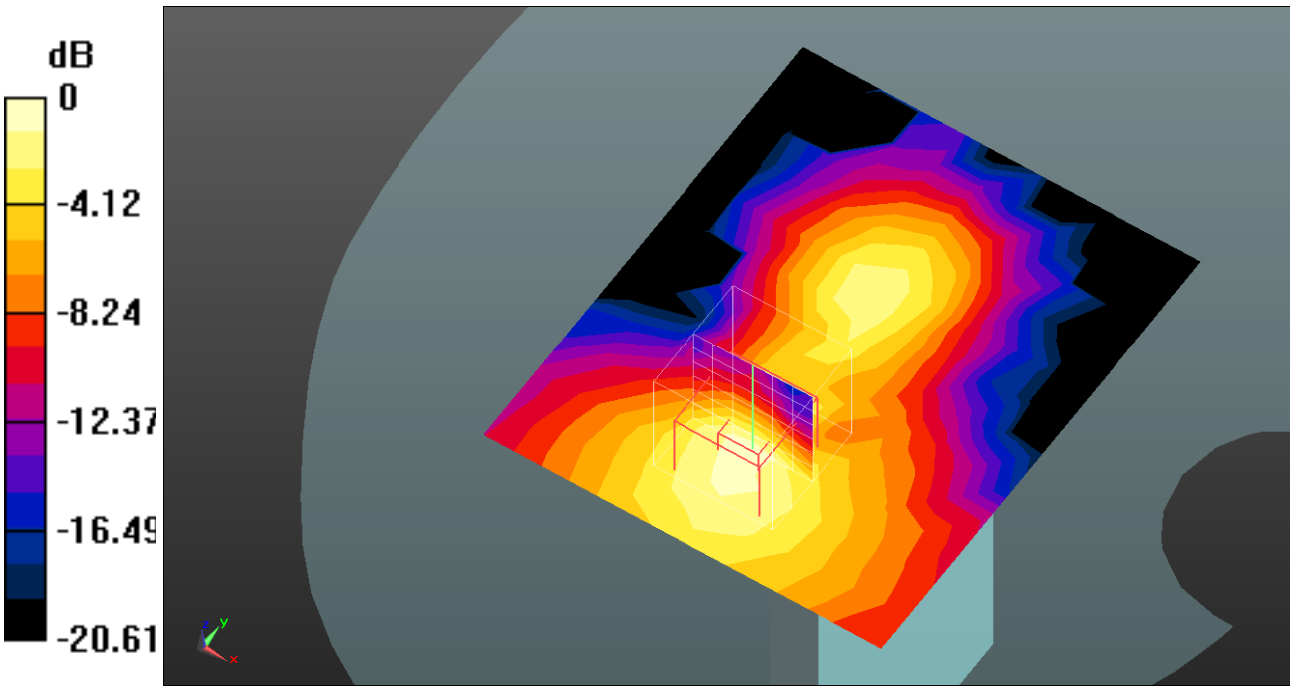
Communication System: Generic FDD-LTE (0); Frequency: 2535 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2535 MHz; σ = 1.92 S/m; ε_r = 39.647; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @2535 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x13x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.109 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.242 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.179 W/kg
SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.049 W/kg
Maximum value of SAR (measured) = 0.109 W/kg



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

Test Plot 119#: LTE Band 41_Head Left Cheek_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

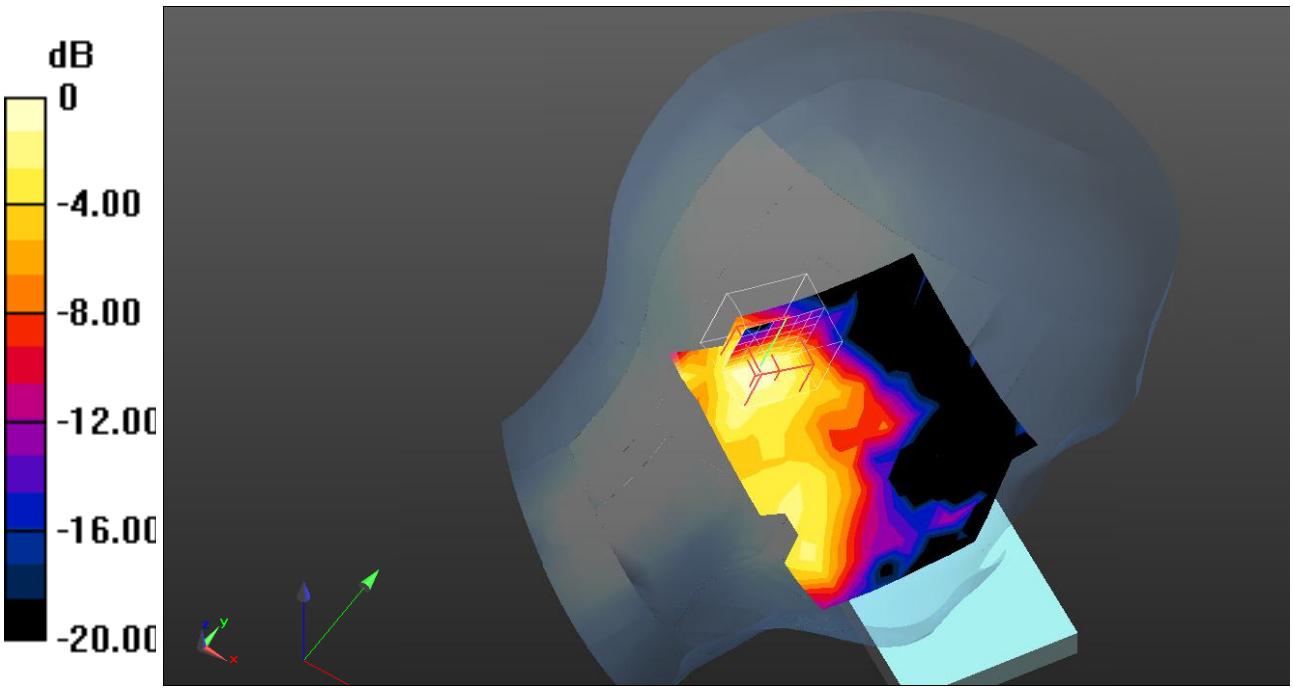
Communication System: Generic TDD-LTE (0); Frequency: 2595 MHz;Duty Cycle: 1:1.58125
Medium parameters used: f = 2595 MHz; σ = 1.98 S/m; ε_r = 38.962; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.3, 7.3, 7.3) @2595 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x14x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0575 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.798 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.100 W/kg
SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.027 W/kg
Maximum value of SAR (measured) = 0.0589 W/kg



0 dB = 0.0589 W/kg = -12.30 dB dBW/kg

Test Plot 120#: LTE Band 41_Head Left Cheek_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

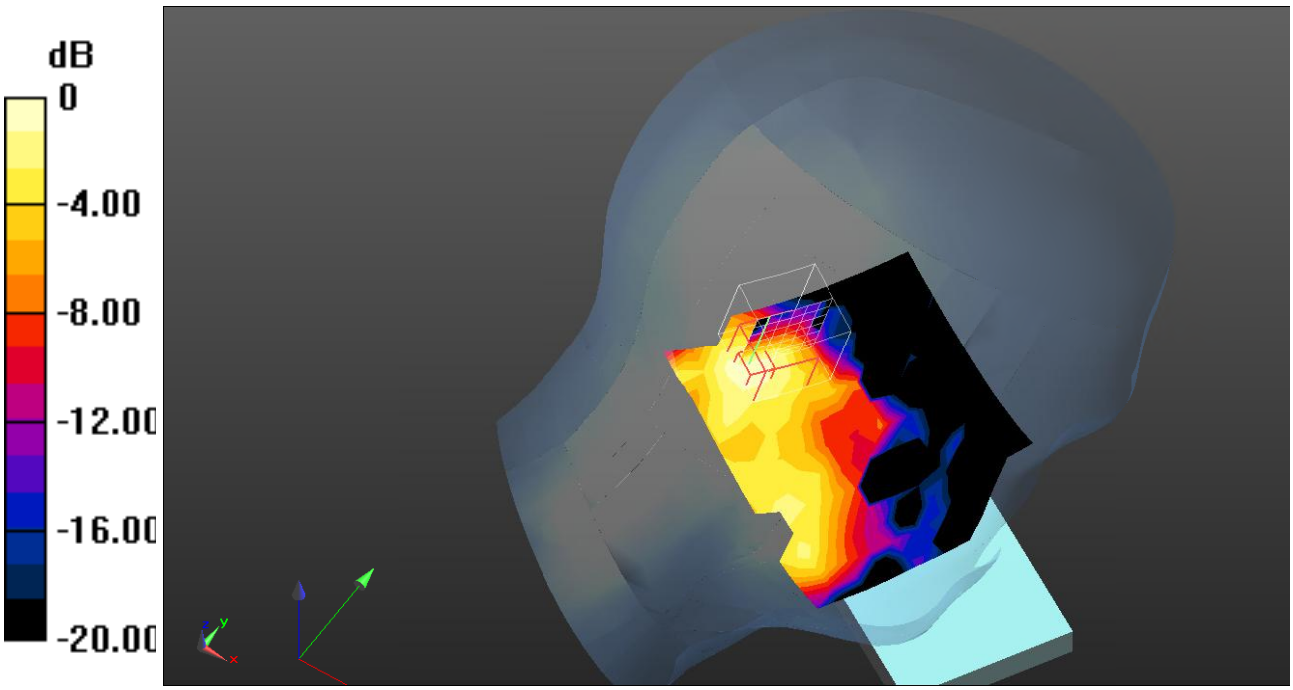
Communication System: Generic TDD-LTE (0); Frequency: 2595 MHz;Duty Cycle: 1:1.58125
Medium parameters used: f = 2595 MHz; σ = 1.98 S/m; ε_r = 38.962; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.3, 7.3, 7.3) @2595 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x14x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0437 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.571 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 0.0790 W/kg
SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.020 W/kg
Maximum value of SAR (measured) = 0.0462 W/kg



0 dB = 0.0462 W/kg = -13.35 dB dBW/kg

Test Plot 121#: LTE Band 41_Head Left Tilt_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

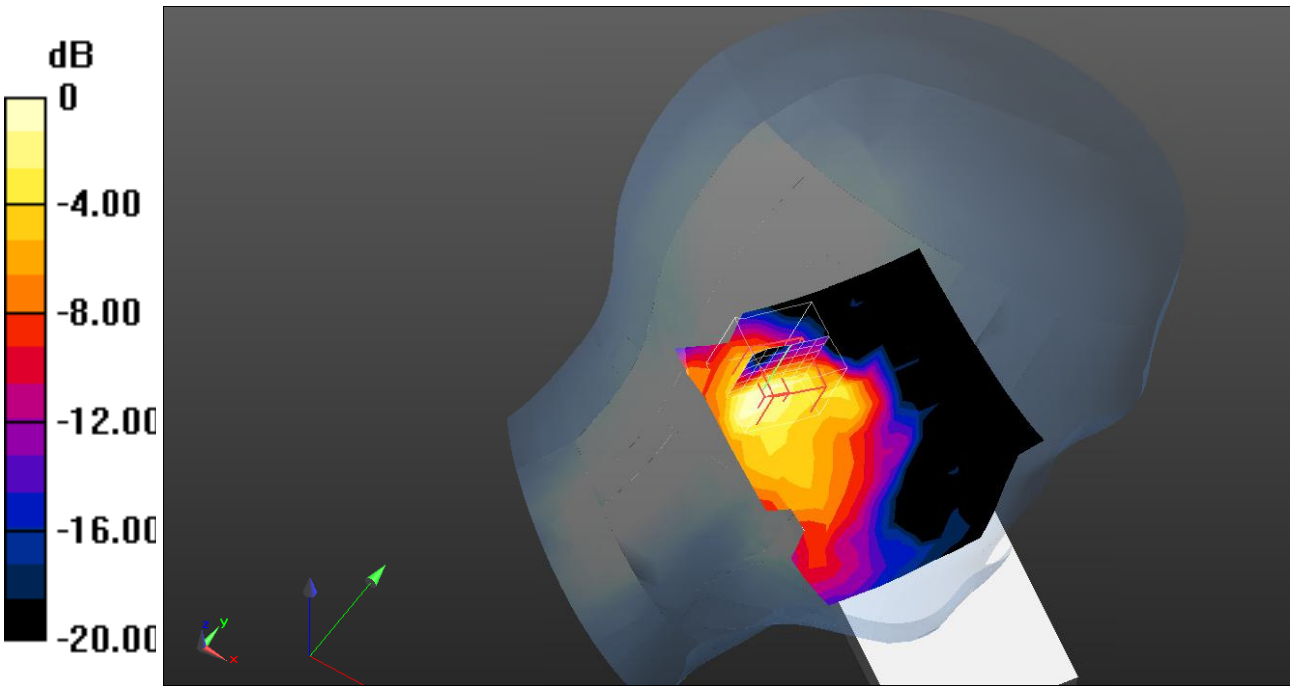
Communication System: Generic TDD-LTE (0); Frequency: 2595 MHz;Duty Cycle: 1:1.58125
Medium parameters used: f = 2595 MHz; σ = 1.98 S/m; ε_r = 38.962; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.3, 7.3, 7.3) @2595 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x14x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0902 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.632 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.170 W/kg
SAR(1 g) = 0.080 W/kg; SAR(10 g) = 0.038 W/kg
Maximum value of SAR (measured) = 0.0954 W/kg



0 dB = 0.0954 W/kg = -10.20 dB dBW/kg

Test Plot 122#: LTE Band 41_Head Left Tilt_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

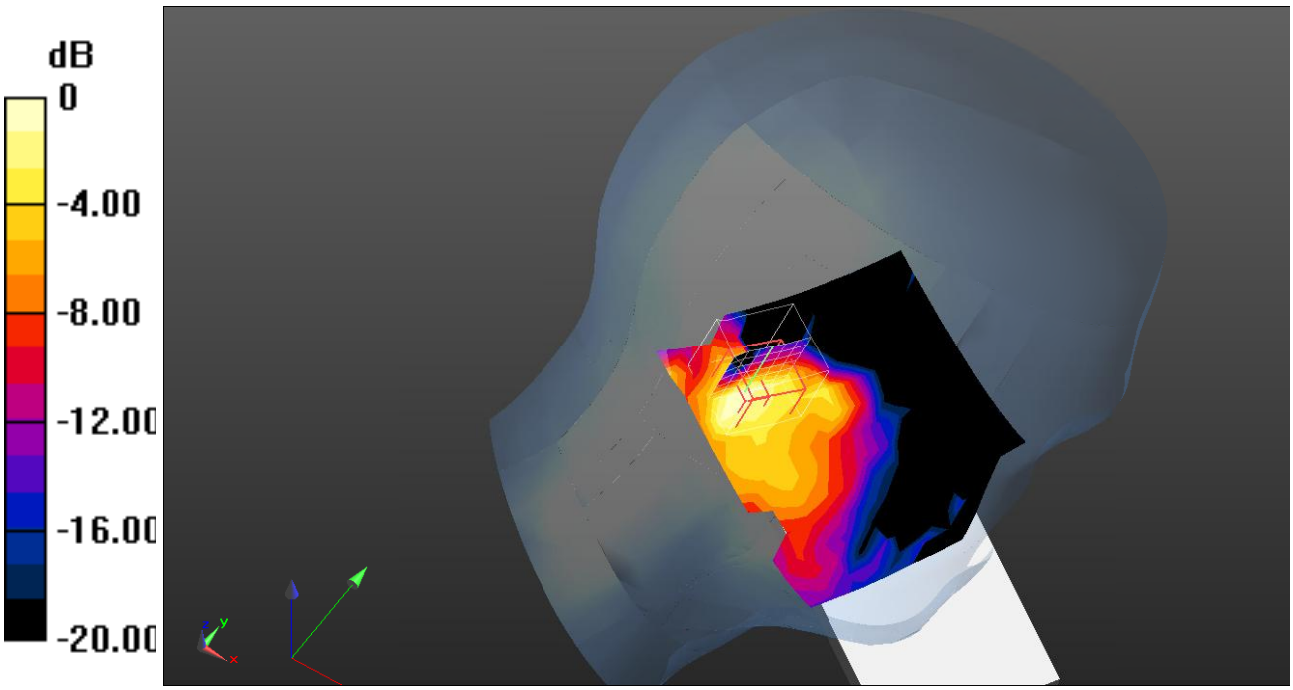
Communication System: Generic TDD-LTE (0); Frequency: 2595 MHz;Duty Cycle: 1:1.58125
Medium parameters used: f = 2595 MHz; σ = 1.98 S/m; ε_r = 38.962; ρ = 1000 kg/m^3 ;
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.3, 7.3, 7.3) @2595 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x14x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0694 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.387 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 0.126 W/kg
SAR(1 g) = 0.061 W/kg; SAR(10 g) = 0.027 W/kg
Maximum value of SAR (measured) = 0.0720 W/kg



0 dB = 0.0720 W/kg = -11.43 dB dBW/kg

Test Plot 123#: LTE Band 41_Head Right Cheek_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

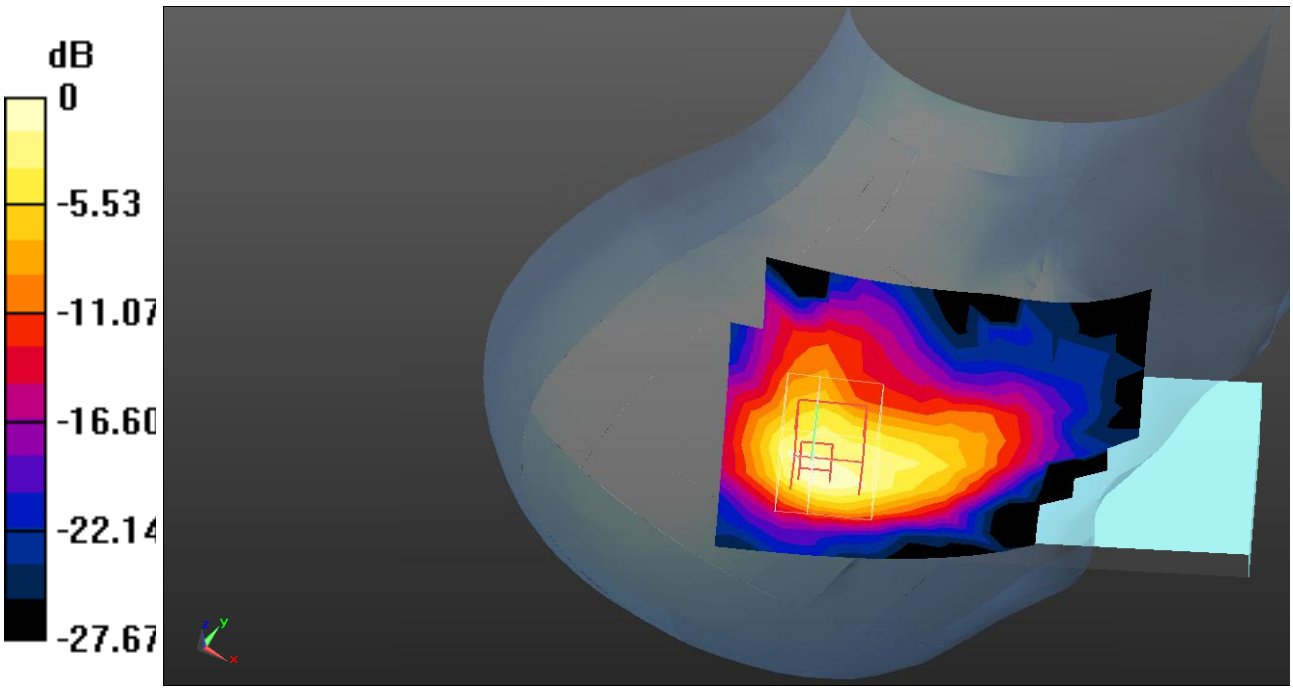
Communication System: Generic TDD-LTE (0); Frequency: 2595 MHz;Duty Cycle: 1:1.58125
Medium parameters used: f = 2595 MHz; σ = 1.98 S/m; ε_r = 38.962; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.3, 7.3, 7.3) @2595 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x14x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.364 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.887 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.724 W/kg
SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.143 W/kg
Maximum value of SAR (measured) = 0.364 W/kg



0 dB = 0.364 W/kg = -4.39 dB dBW/kg

Test Plot 124#: LTE Band 41_Head Right Cheek_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

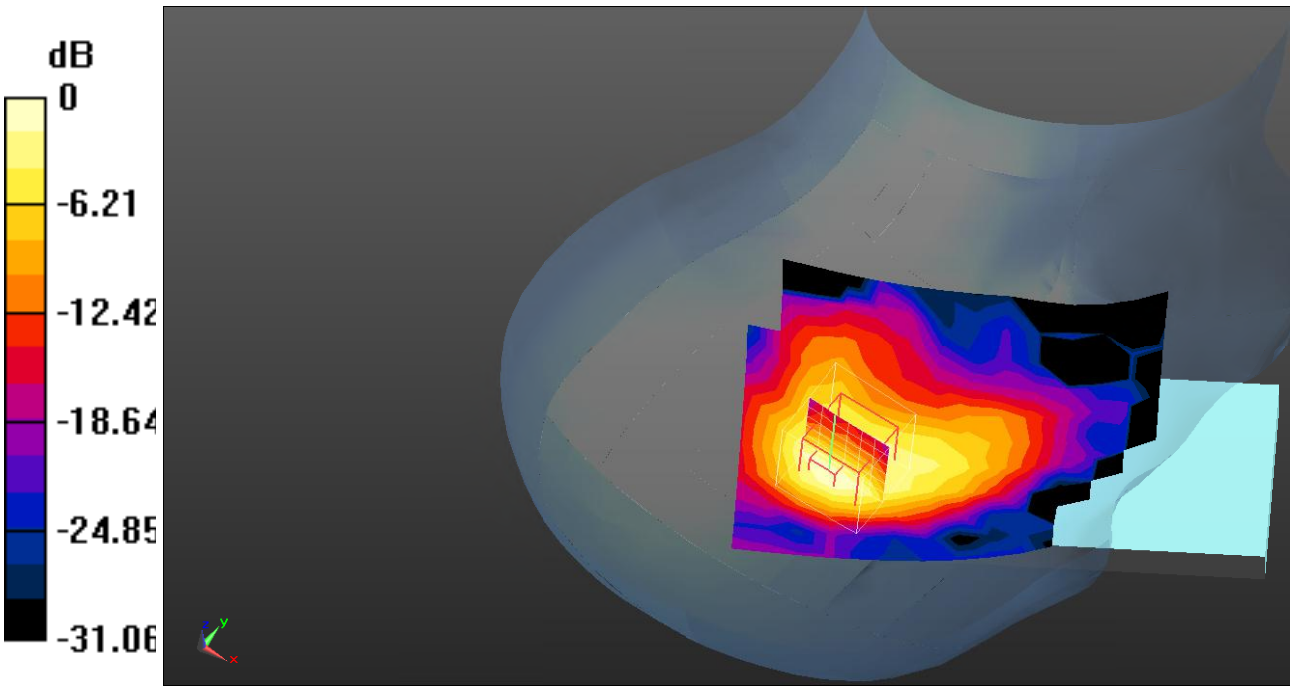
Communication System: Generic TDD-LTE (0); Frequency: 2595 MHz;Duty Cycle: 1:1.58125
Medium parameters used: f = 2595 MHz; σ = 1.98 S/m; ε_r = 38.962; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.3, 7.3, 7.3) @2595 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x14x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.276 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.273 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 0.560 W/kg
SAR(1 g) = 0.240 W/kg; SAR(10 g) = 0.110 W/kg
Maximum value of SAR (measured) = 0.289 W/kg



0 dB = 0.289 W/kg = -5.39 dB dBW/kg

Test Plot 125#: LTE Band 41_Head Right Tilt_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

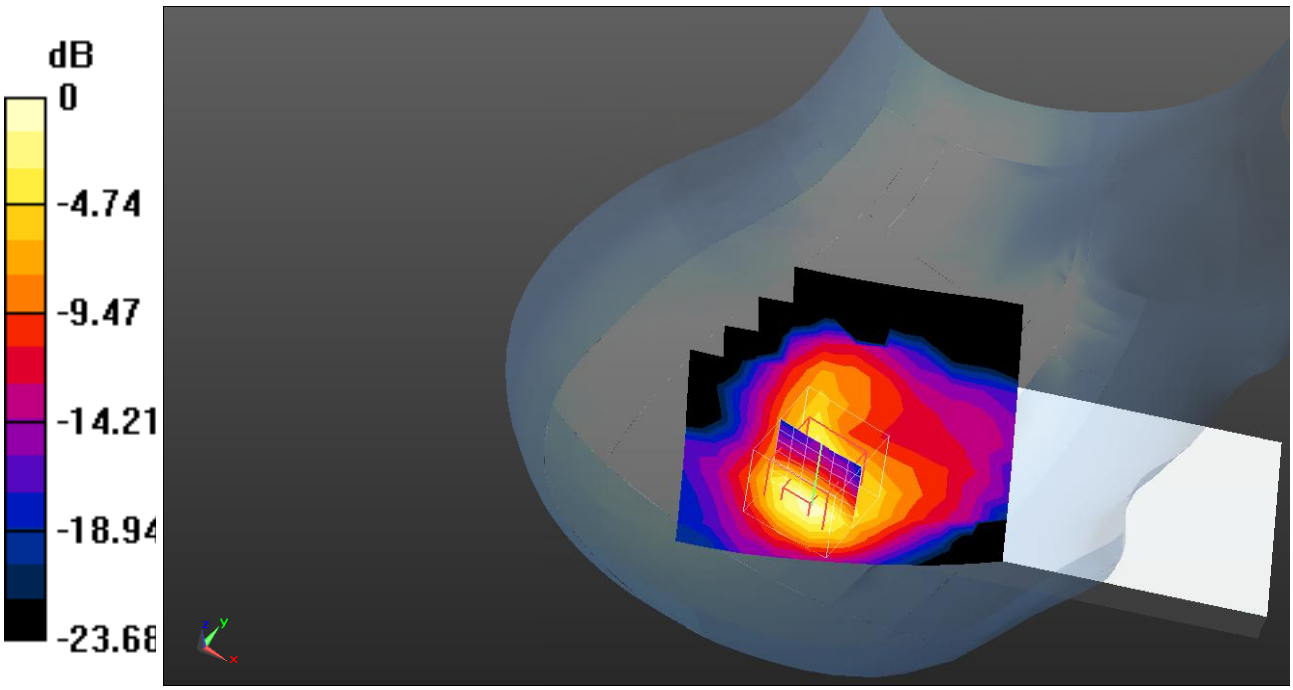
Communication System: Generic TDD-LTE (0); Frequency: 2595 MHz;Duty Cycle: 1:1.58125
Medium parameters used: f = 2595 MHz; σ = 1.98 S/m; ε_r = 38.962; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.3, 7.3, 7.3) @2595 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.263 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.217 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.609 W/kg
SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.105 W/kg
Maximum value of SAR (measured) = 0.289 W/kg



0 dB = 0.289 W/kg = -5.39 dB dBW/kg

Test Plot 126#: LTE Band 41_Head Right Tilt_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

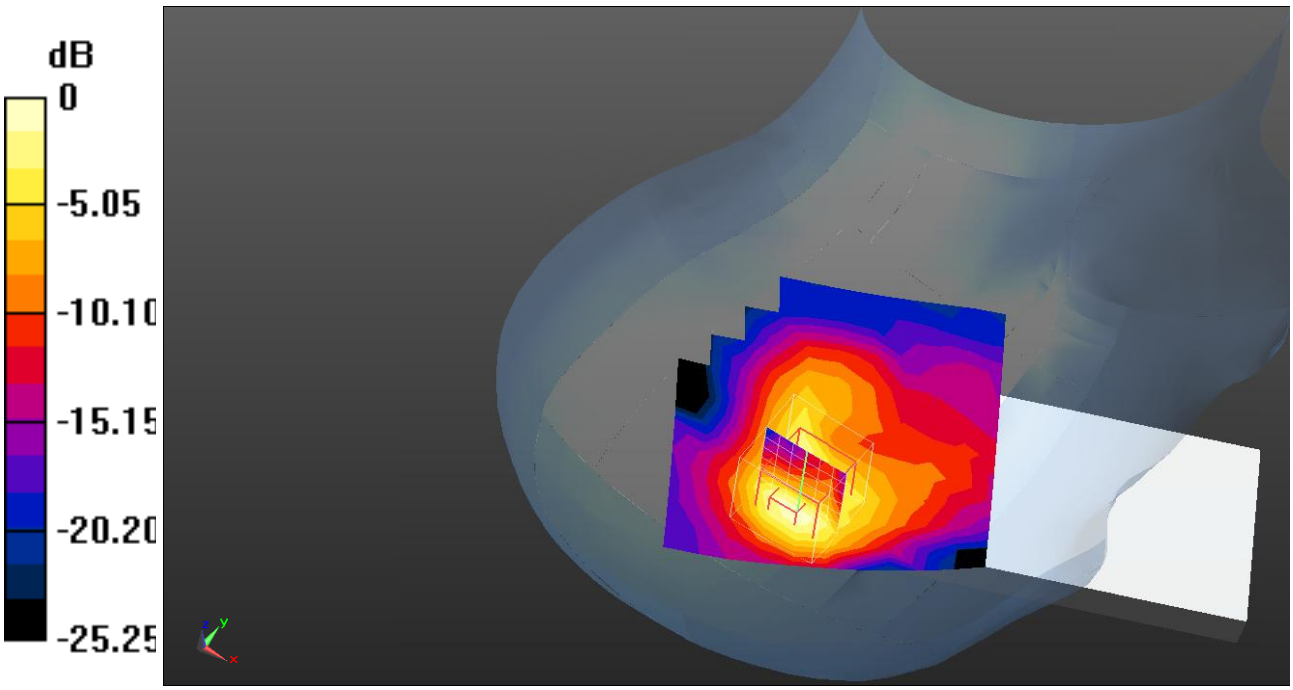
Communication System: Generic TDD-LTE (0); Frequency: 2595 MHz;Duty Cycle: 1:1.58125
Medium parameters used: f = 2595 MHz; σ = 1.98 S/m; ε_r = 38.962; ρ = 1000 kg/m^3 ;
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.3, 7.3, 7.3) @2595 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.209 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.996 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.435 W/kg
SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.078 W/kg
Maximum value of SAR (measured) = 0.215 W/kg



0 dB = 0.215 W/kg = -6.68 dB dBW/kg

Test Plot 127#: LTE Band 41_Body Front_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

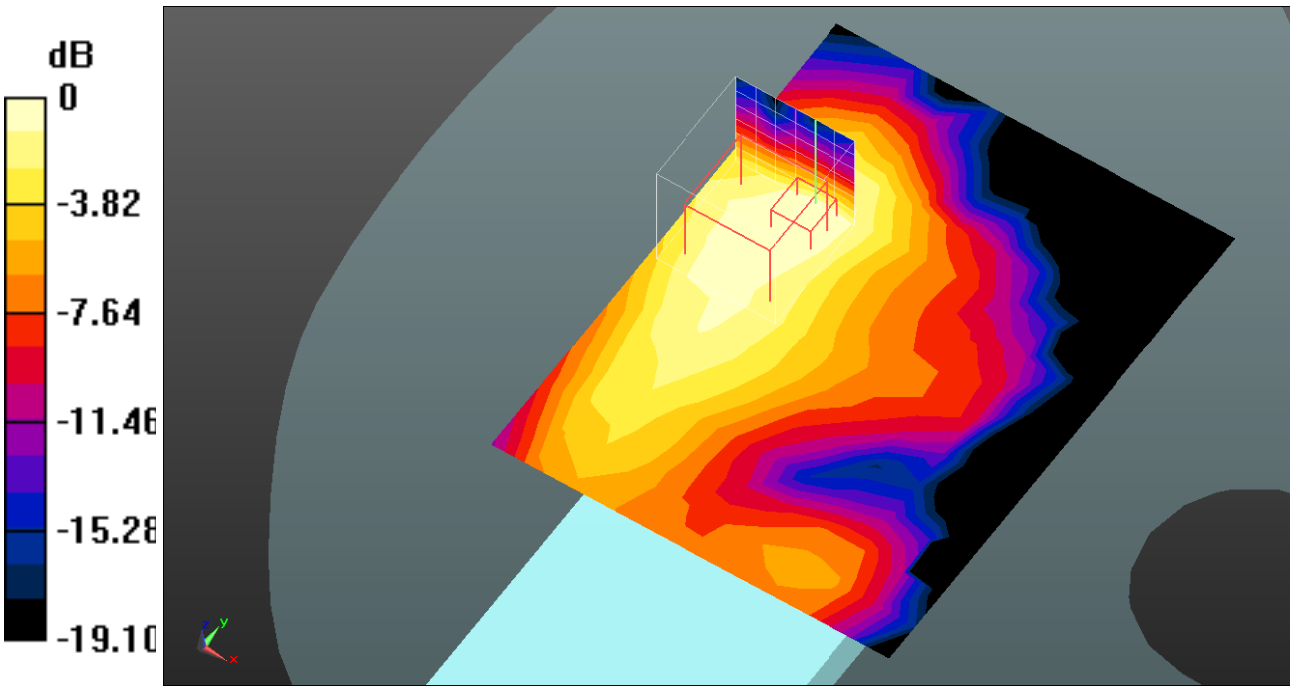
Communication System: Generic TDD-LTE (0); Frequency: 2595 MHz;Duty Cycle: 1:1.58125
Medium parameters used: f = 2595 MHz; σ = 1.98 S/m; ε_r = 38.962; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.3, 7.3, 7.3) @2595 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x14x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.108 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.805 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.202 W/kg
SAR(1 g) = 0.101 W/kg; SAR(10 g) = 0.058 W/kg
Maximum value of SAR (measured) = 0.112 W/kg



0 dB = 0.112 W/kg = -9.51 dB dBW/kg

Test Plot 128#: LTE Band 41_Body Front_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

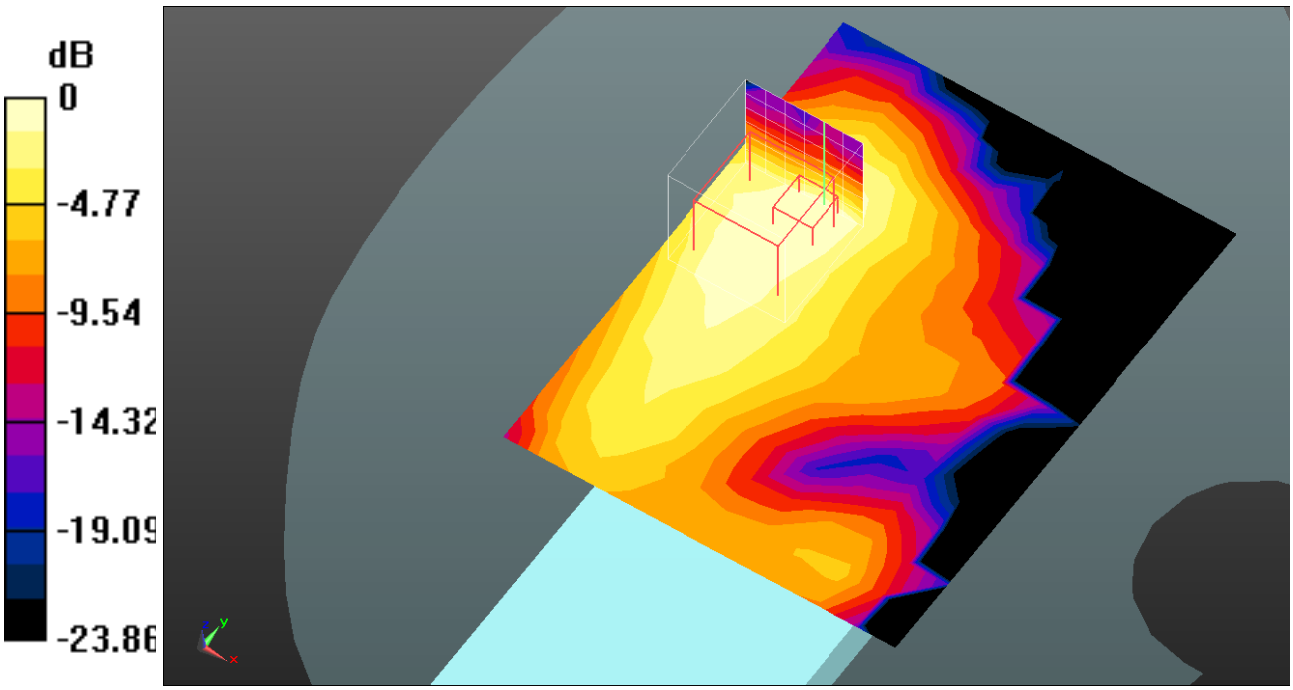
Communication System: Generic TDD-LTE (0); Frequency: 2595 MHz;Duty Cycle: 1:1.58125
Medium parameters used: f = 2595 MHz; σ = 1.98 S/m; ε_r = 38.962; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.3, 7.3, 7.3) @2595 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x14x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0858 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.397 V/m; Power Drift = 0.19 dB
Peak SAR (extrapolated) = 0.162 W/kg
SAR(1 g) = 0.079 W/kg; SAR(10 g) = 0.044 W/kg
Maximum value of SAR (measured) = 0.0883 W/kg



0 dB = 0.0883 W/kg = -10.54 dB dBW/kg

Test Plot 129#: LTE Band 41_Body Back_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

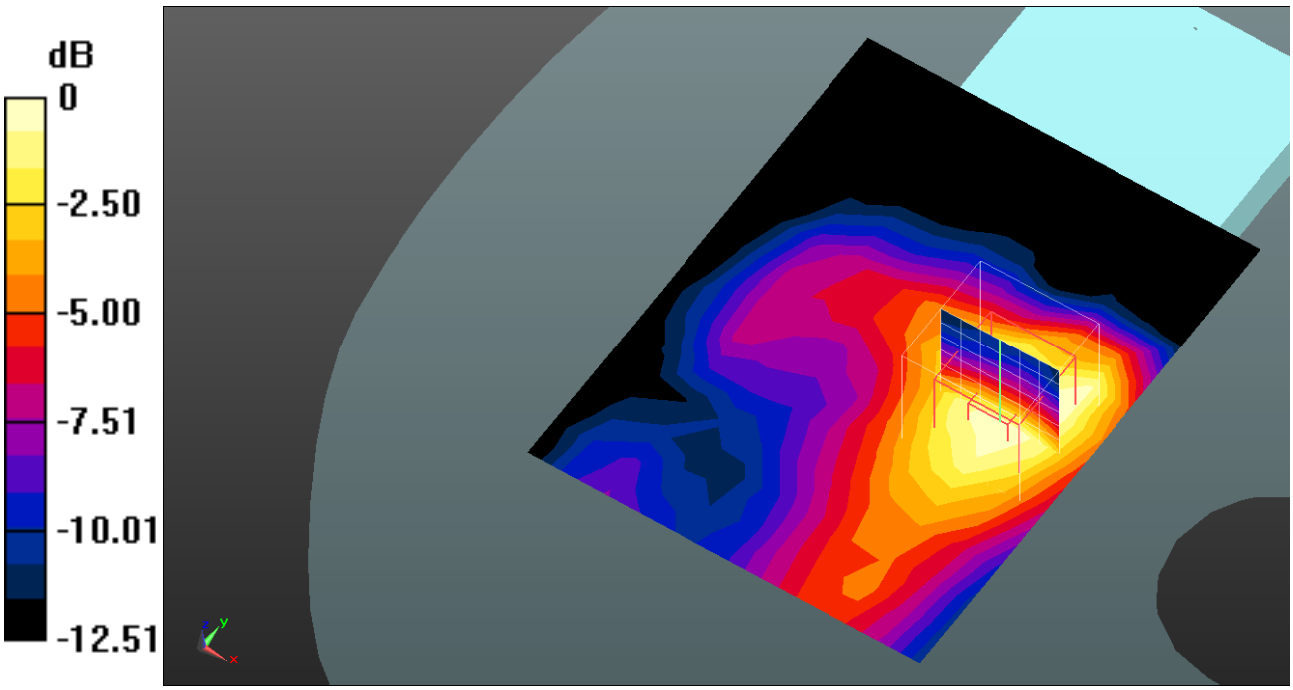
Communication System: Generic TDD-LTE (0); Frequency: 2595 MHz;Duty Cycle: 1:1.58125
Medium parameters used: f = 2595 MHz; σ = 1.98 S/m; ε_r = 38.962; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.3, 7.3, 7.3) @2595 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x14x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.223 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.974 V/m; Power Drift = 0.11 dB
Peak SAR (extrapolated) = 0.444 W/kg
SAR(1 g) = 0.208 W/kg; SAR(10 g) = 0.118 W/kg
Maximum value of SAR (measured) = 0.226 W/kg



0 dB = 0.226 W/kg = -6.46 dB dBW/kg

Test Plot 130#: LTE Band 41_Body Back_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

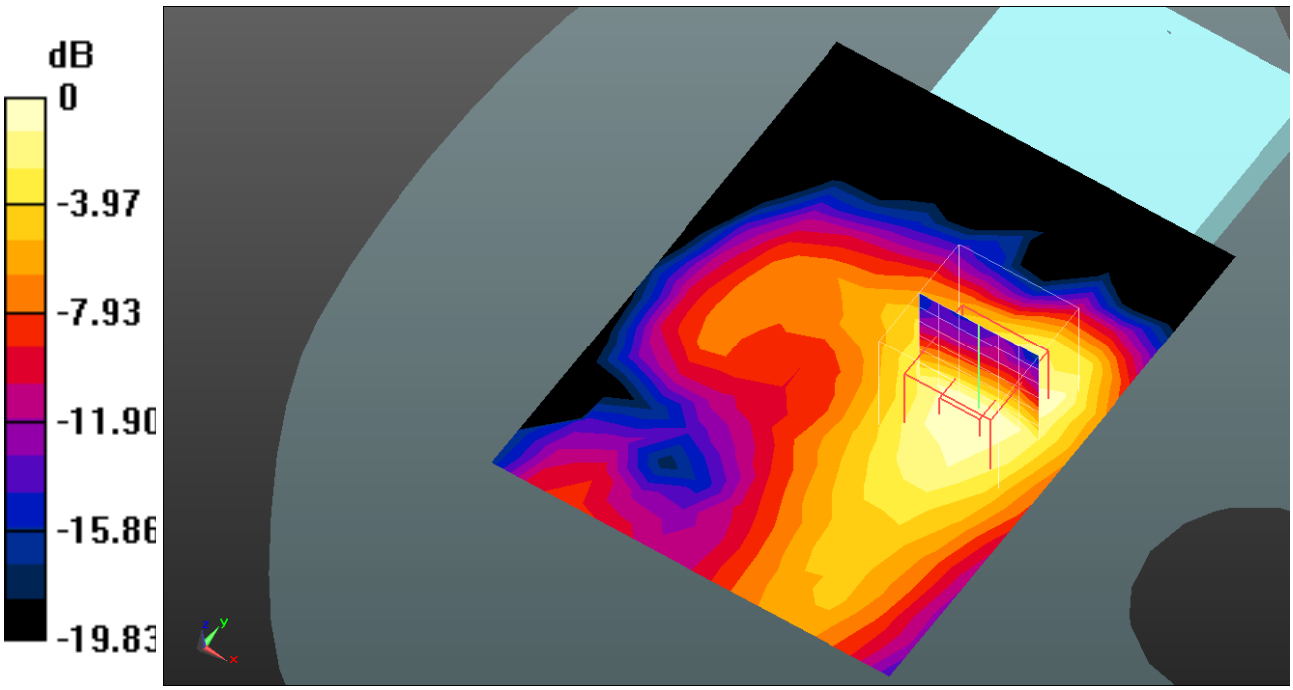
Communication System: Generic TDD-LTE (0); Frequency: 2595 MHz;Duty Cycle: 1:1.58125
Medium parameters used: f = 2595 MHz; σ = 1.98 S/m; ε_r = 38.962; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.3, 7.3, 7.3) @2595 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x14x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.141 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.652 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.257 W/kg
SAR(1 g) = 0.132 W/kg; SAR(10 g) = 0.071 W/kg
Maximum value of SAR (measured) = 0.142 W/kg



0 dB = 0.142 W/kg = -8.48 dB dBW/kg

Test Plot 131#: LTE Band 41_Body Left_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

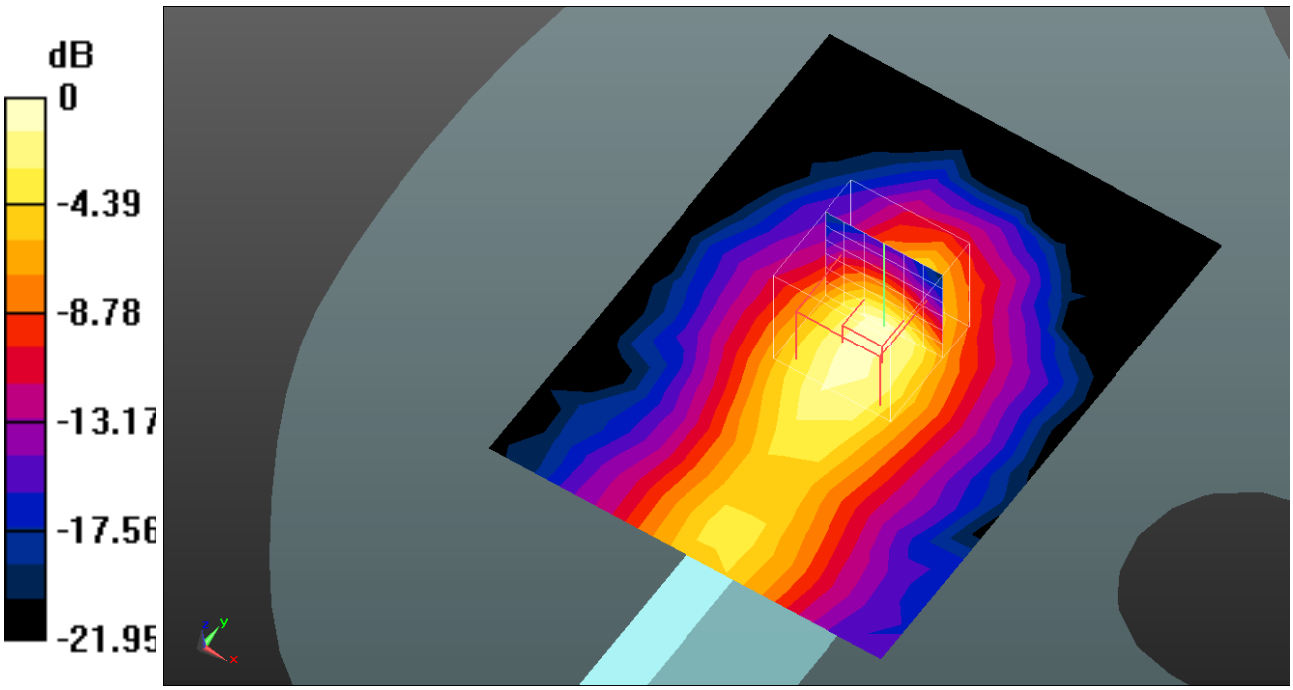
Communication System: Generic TDD-LTE (0); Frequency: 2595 MHz;Duty Cycle: 1:1.58125
Medium parameters used: f = 2595 MHz; σ = 1.98 S/m; ε_r = 38.962; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.3, 7.3, 7.3) @2595 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x14x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.357 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 12.57 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.613 W/kg
SAR(1 g) = 0.322 W/kg; SAR(10 g) = 0.159 W/kg
Maximum value of SAR (measured) = 0.362 W/kg



0 dB = 0.362 W/kg = -4.41 dB dBW/kg

Test Plot 132#: LTE Band 41_Body Left_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

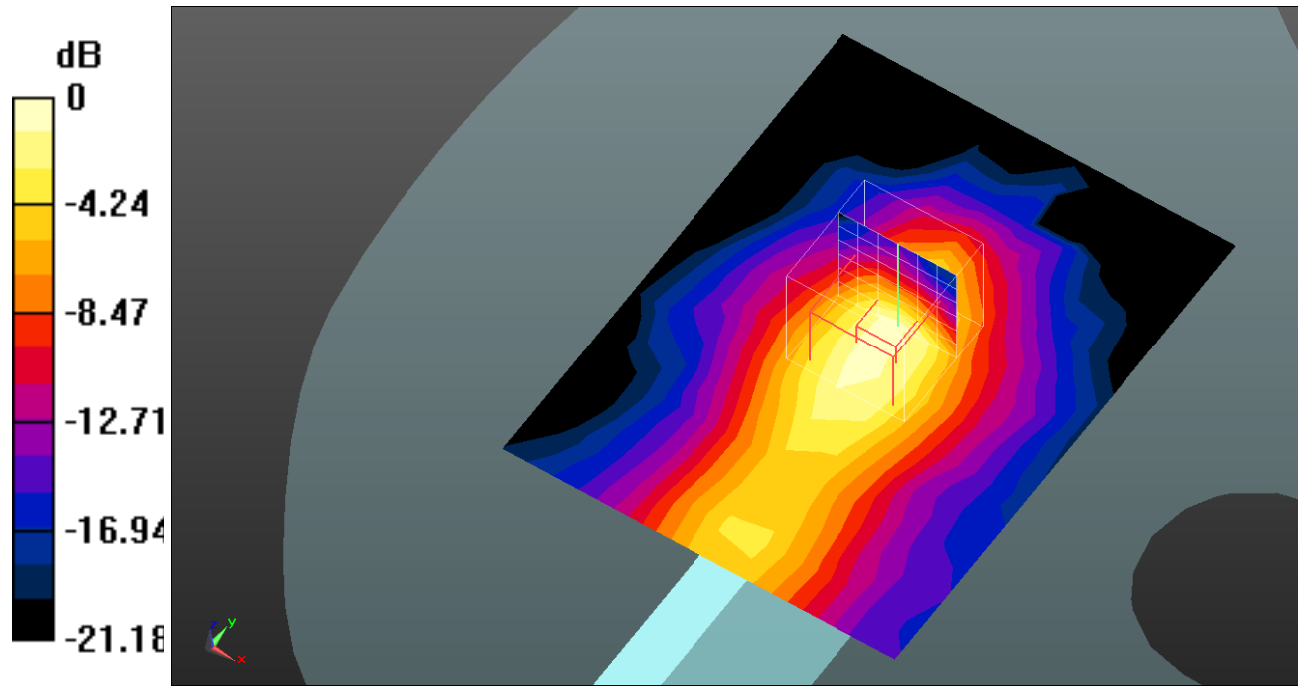
Communication System: Generic TDD-LTE (0); Frequency: 2595 MHz;Duty Cycle: 1:1.58125
Medium parameters used: f = 2595 MHz; σ = 1.98 S/m; ε_r = 38.962; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.3, 7.3, 7.3) @2595 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x14x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.273 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 11.33 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.483 W/kg
SAR(1 g) = 0.249 W/kg; SAR(10 g) = 0.122 W/kg
Maximum value of SAR (measured) = 0.281 W/kg



0 dB = 0.281 W/kg = -5.51 dB dBW/kg

Test Plot 133#: LTE Band 41_Body Top_1RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

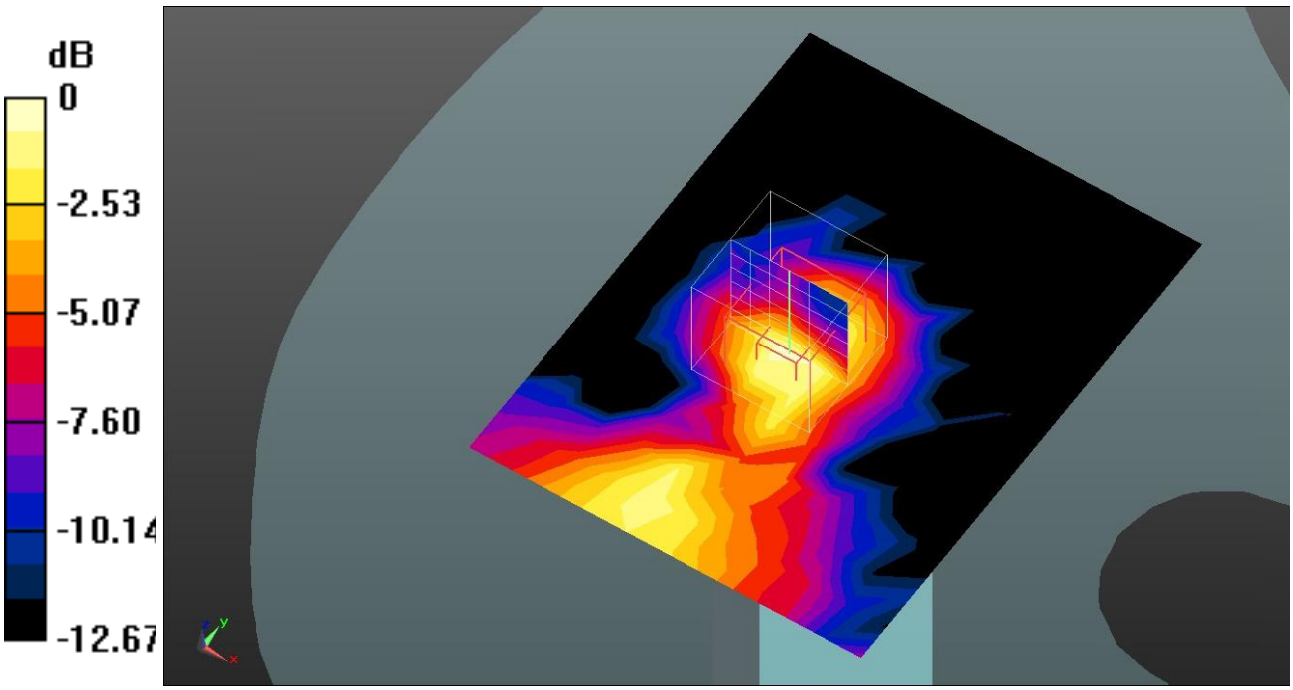
Communication System: Generic TDD-LTE (0); Frequency: 2595 MHz;Duty Cycle: 1:1.58125
Medium parameters used: f = 2595 MHz; σ = 1.98 S/m; ε_r = 38.962; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.3, 7.3, 7.3) @2595 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x14x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0414 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.560 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.0750 W/kg
SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.021 W/kg
Maximum value of SAR (measured) = 0.0438 W/kg



0 dB = 0.0438 W/kg = -13.59 dB dBW/kg

Test Plot 134#: LTE Band 41_Body Top_50%RB_Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

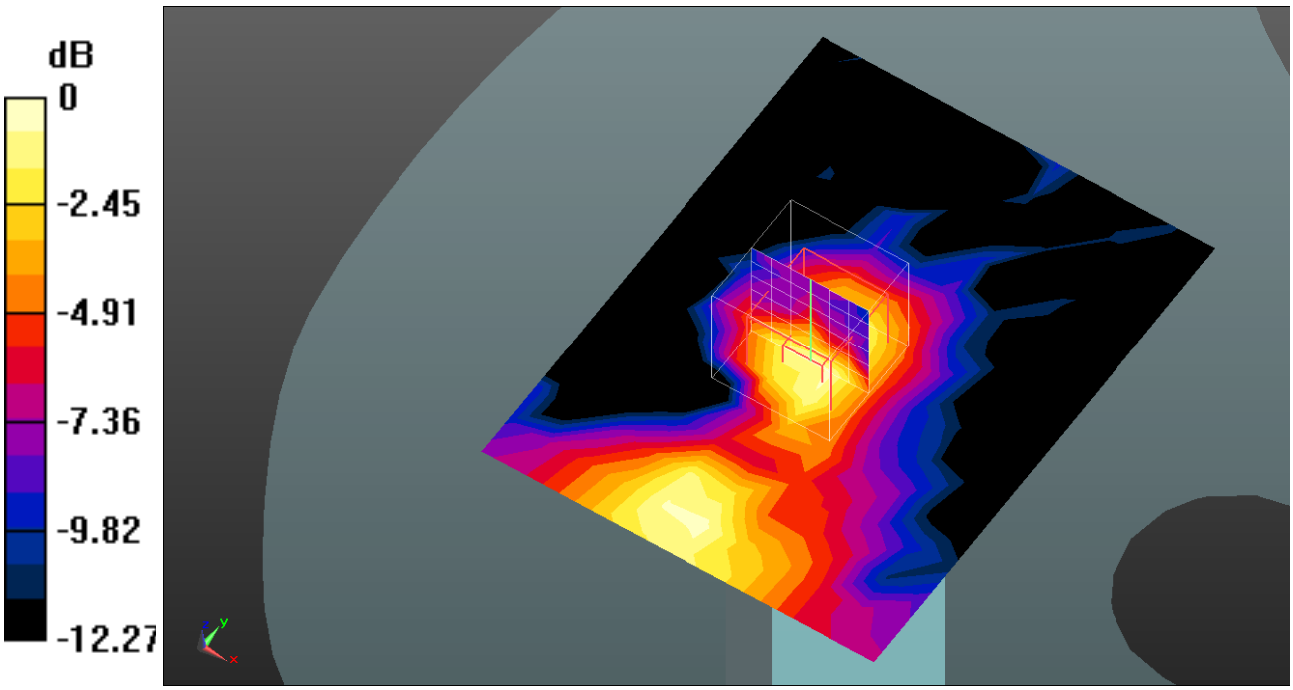
Communication System: Generic TDD-LTE (0); Frequency: 2595 MHz;Duty Cycle: 1:1.58125
Medium parameters used: f = 2595 MHz; σ = 1.98 S/m; ε_r = 38.962; ρ = 1000 kg/m^3 ;
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.3, 7.3, 7.3) @2595 MHz; Calibrated: 2022/5/16;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 SN1211;Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: TP:1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.12 (7501)

Area Scan (11x14x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.0302 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 3.971 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.0580 W/kg
SAR(1 g) = 0.031 W/kg; SAR(10 g) = 0.017 W/kg
Maximum value of SAR (measured) = 0.0337 W/kg



0 dB = 0.0337 W/kg = -14.72 dB dBW/kg

Test Plot 135#: Main WLAN 2.4G_ Head Left Cheek _Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

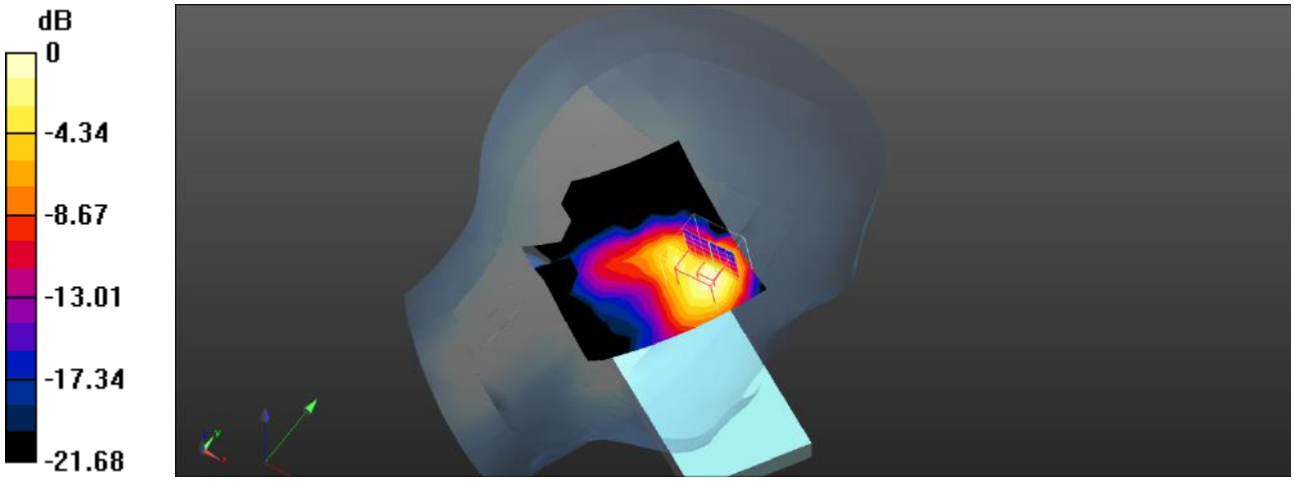
Communication System: UID 0, 2.4G DTS (0); Frequency: 2442 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2442 MHz; σ = 1.855 S/m; ε_r = 38.154; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @ 2442 MHz; Calibrated: 2022/05/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1211; Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: 1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.14 (7501)

Area Scan (11x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.297 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.237 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 0.633 W/kg
SAR(1 g) = 0.278 W/kg; SAR(10 g) = 0.128 W/kg
Maximum value of SAR (measured) = 0.316 W/kg



0 dB = 0.316 W/kg = -5.00 dBW/kg

Test Plot 136#: Main WLAN 2.4G_ Head Left Tilt _Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

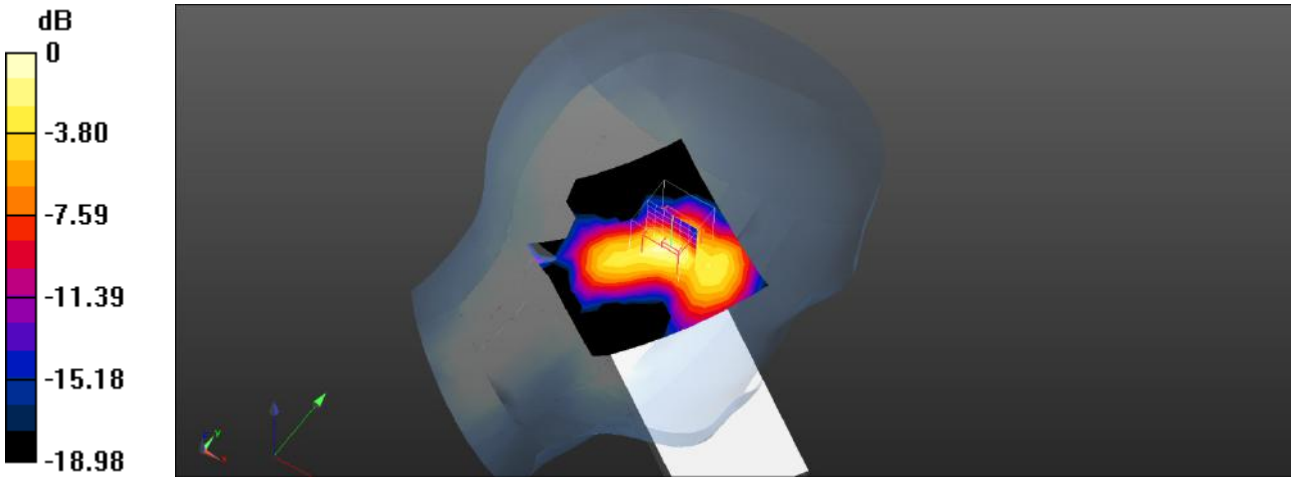
Communication System: UID 0, 2.4G DTS (0); Frequency: 2442 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2442 MHz; σ = 1.855 S/m; ε_r = 38.154; ρ = 1000 kg/m^3
Phantom section: Left Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @ 2442 MHz; Calibrated: 2022/05/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1211; Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: 1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.14 (7501)

Area Scan (11x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.121 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.207 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.205 W/kg
SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.050 W/kg
Maximum value of SAR (measured) = 0.119 W/kg



0 dB = 0.119 W/kg = -9.24 dBW/kg

Test Plot 137#: Main WLAN 2.4G_ Head Right Cheek _Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

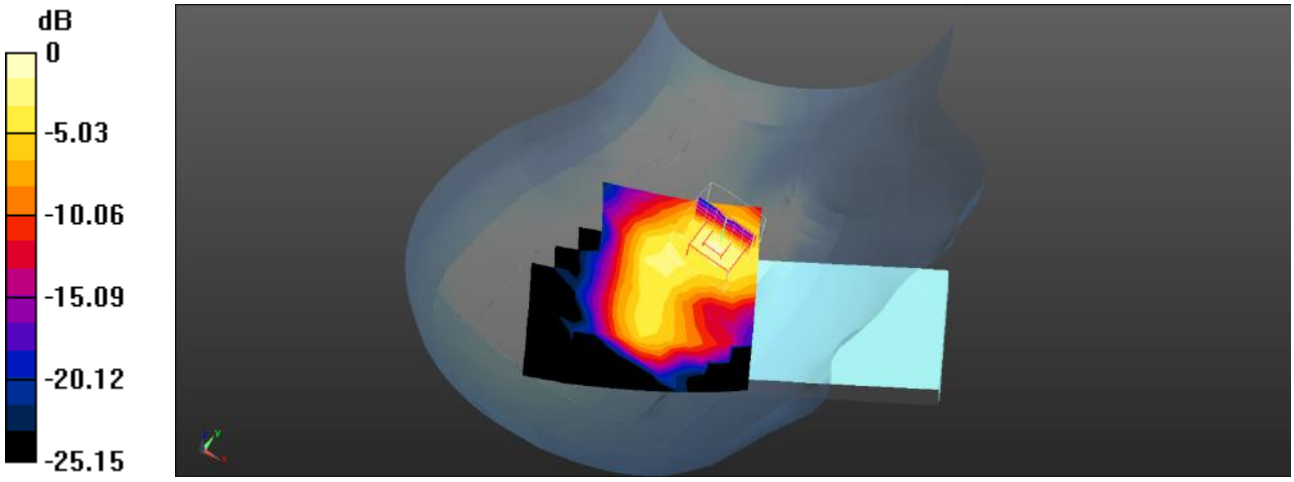
Communication System: UID 0, 2.4G DTS (0); Frequency: 2442 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2442 MHz; σ = 1.855 S/m; ε_r = 38.154; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @ 2442 MHz; Calibrated: 2022/05/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1211; Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: 1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.14 (7501)

Area Scan (11x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.139 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.938 V/m; Power Drift = -0.09 dB
Peak SAR (extrapolated) = 0.305 W/kg
SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.051 W/kg
Maximum value of SAR (measured) = 0.168 W/kg



0 dB = 0.168 W/kg = -7.75 dBW/kg

Test Plot 138#: Main WLAN 2.4G_ Head Right Tilt _Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

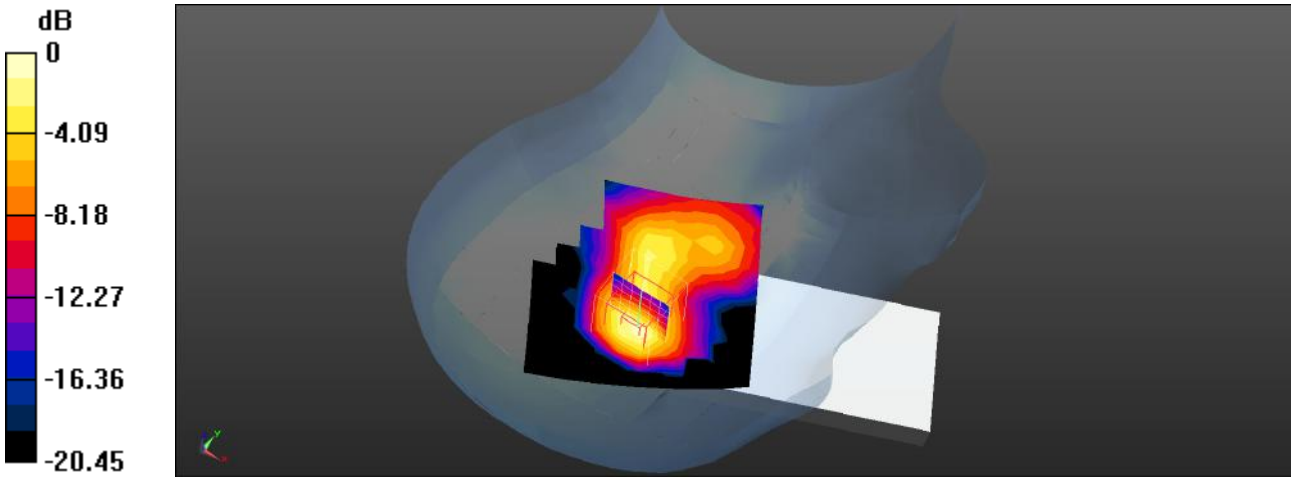
Communication System: UID 0, 2.4G DTS (0); Frequency: 2442 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2442 MHz; σ = 1.855 S/m; ε_r = 38.154; ρ = 1000 kg/m^3
Phantom section: Right Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @ 2442 MHz; Calibrated: 2022/05/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1211; Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: 1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.14 (7501)

Area Scan (11x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.112 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 6.617 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.193 W/kg
SAR(1 g) = 0.108 W/kg; SAR(10 g) = 0.053 W/kg
Maximum value of SAR (measured) = 0.121 W/kg



0 dB = 0.121 W/kg = -9.17 dBW/kg

Test Plot 139#: Main WLAN 2.4G_ Body Front _Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

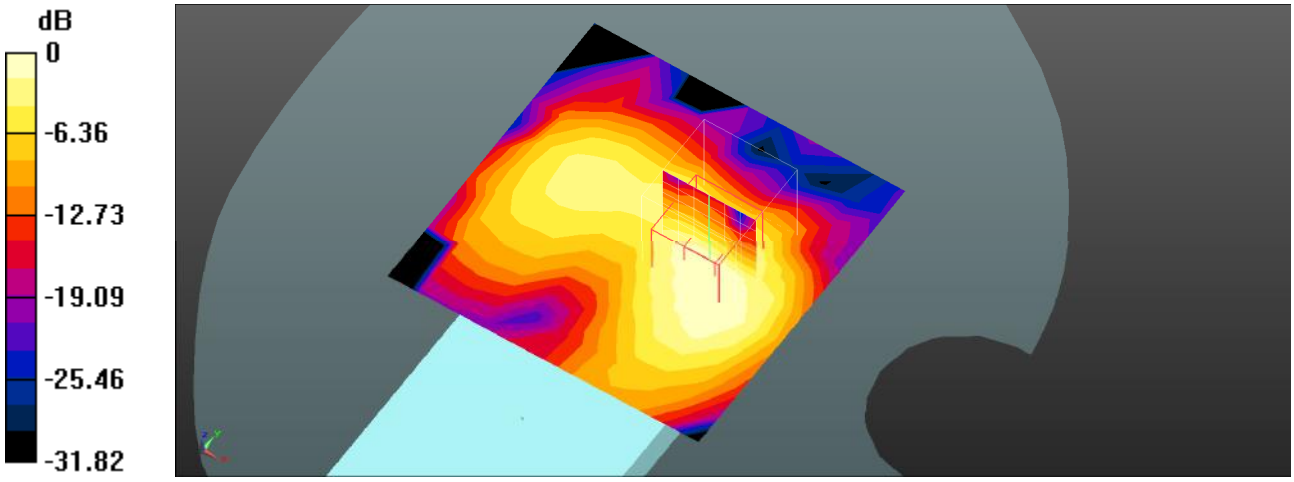
Communication System: UID 0, 2.4G DTS (0); Frequency: 2442 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2442 MHz; σ = 1.855 S/m; ε_r = 38.154; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @ 2442 MHz; Calibrated: 2022/05/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1211; Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: 1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.14 (7501)

Area Scan (11x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.103 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.617 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.184 W/kg
SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.048 W/kg
Maximum value of SAR (measured) = 0.107 W/kg



0 dB = 0.107 W/kg = -9.71 dBW/kg

Test Plot 140#: Main WLAN 2.4G_ Body Back _Middle

DUT: Mobile Phone; Type: X678B; Serial: RA230116-02640E-SA-S1;

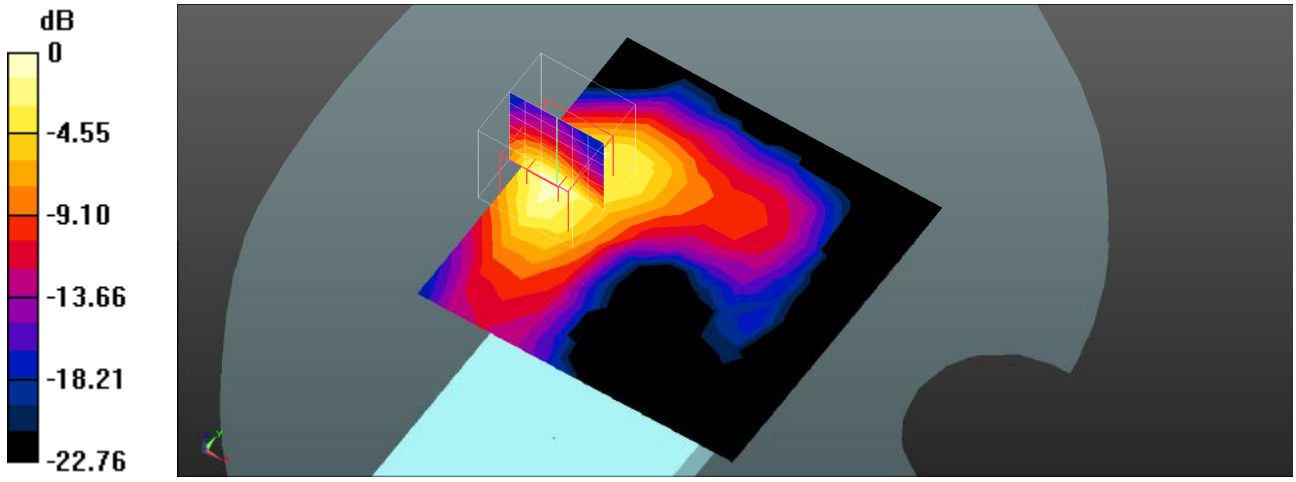
Communication System: UID 0, 2.4G DTS (0); Frequency: 2442 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 2442 MHz; σ = 1.855 S/m; ε_r = 38.154; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(7.54, 7.54, 7.54) @ 2442 MHz; Calibrated: 2022/05/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1211; Calibrated: 2022/03/01
- Phantom: Twin SAM; Type: QD000P40CD; Serial: 1744
- Measurement SW: DASY52, Version 52.10.2; SEMCAD X Version 14.6.14 (7501)

Area Scan (11x11x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 0.321 W/kg

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.701 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.678 W/kg
SAR(1 g) = 0.269 W/kg; SAR(10 g) = 0.111 W/kg
Maximum value of SAR (measured) = 0.313 W/kg



0 dB = 0.313 W/kg = -5.04 dBW/kg