Test Plot 1#:PTT_FM 12.5kHz_Face up_869.9875MHz

DUT: Digital Portable Radio; Type: PD982 U(5); Serial: 17080200920

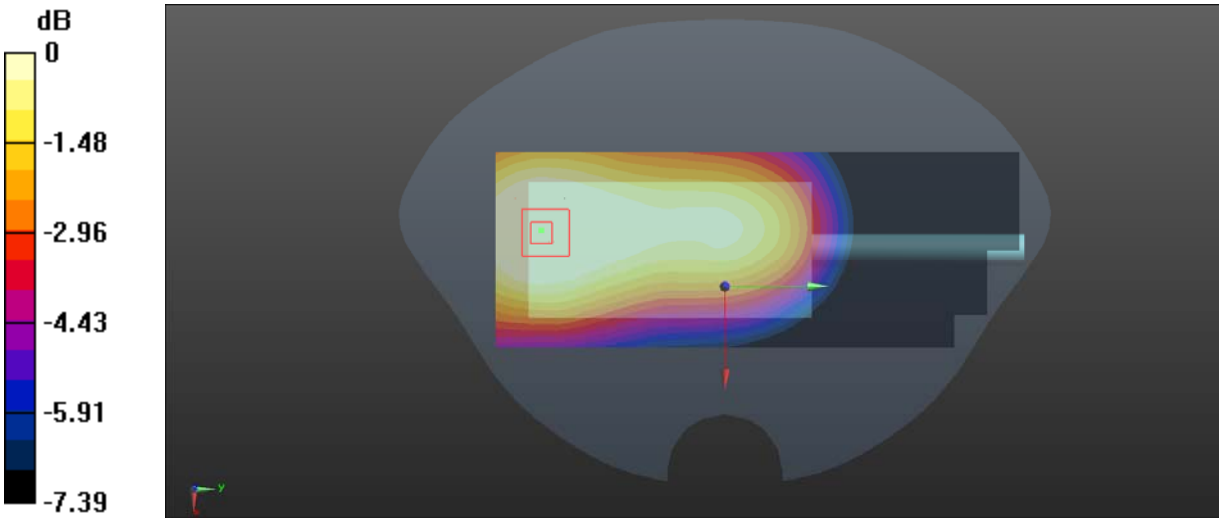
Communication System: FM; Frequency: 869.988 MHz;Duty Cycle: 1:1
Medium parameters used: f = 869.988 MHz; σ = 0.902 S/m; ε_r = 42.491; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.22, 10.22, 10.22); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.53 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 43.49 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 2.72 W/kg
SAR(1 g) = 2.09 W/kg; SAR(10 g) = 1.57 W/kg
Maximum value of SAR (measured) = 2.18 W/kg



0 dB = 2.18 W/kg = 3.38 dBW/kg

Test Plot 2#: PTT_FM 12.5kHz_Back Back_806.0125MHz

DUT: Digital Portable Radio; Type: PD982 U(5); Serial: 17080200920

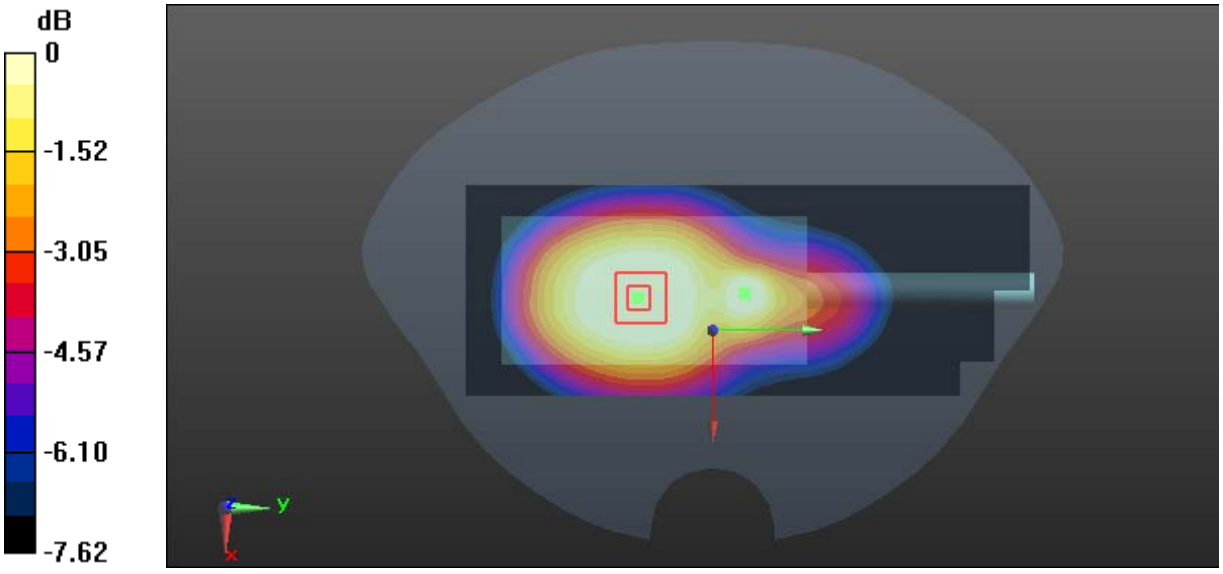
Communication System: FM; Frequency: 806.012 MHz;Duty Cycle: 1:1
Medium parameters used: f = 806.012 MHz; σ = 0.944 S/m; ε_r = 55.99; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.12, 10.12, 10.12); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 11.1 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 90.05 V/m; Power Drift = -0.13 dB
Peak SAR (extrapolated) = 11.3 W/kg
SAR(1 g) = 8.81 W/kg; SAR(10 g) = 6.64 W/kg
Maximum value of SAR (measured) = 9.28 W/kg



0 dB = 9.28 W/kg = 9.68 dBW/kg

Test Plot 3#: PTT_FM 12.5kHz_Back Back_824.9875MHz

DUT: Digital Portable Radio; Type: PD982 U(5); Serial: 17080200920

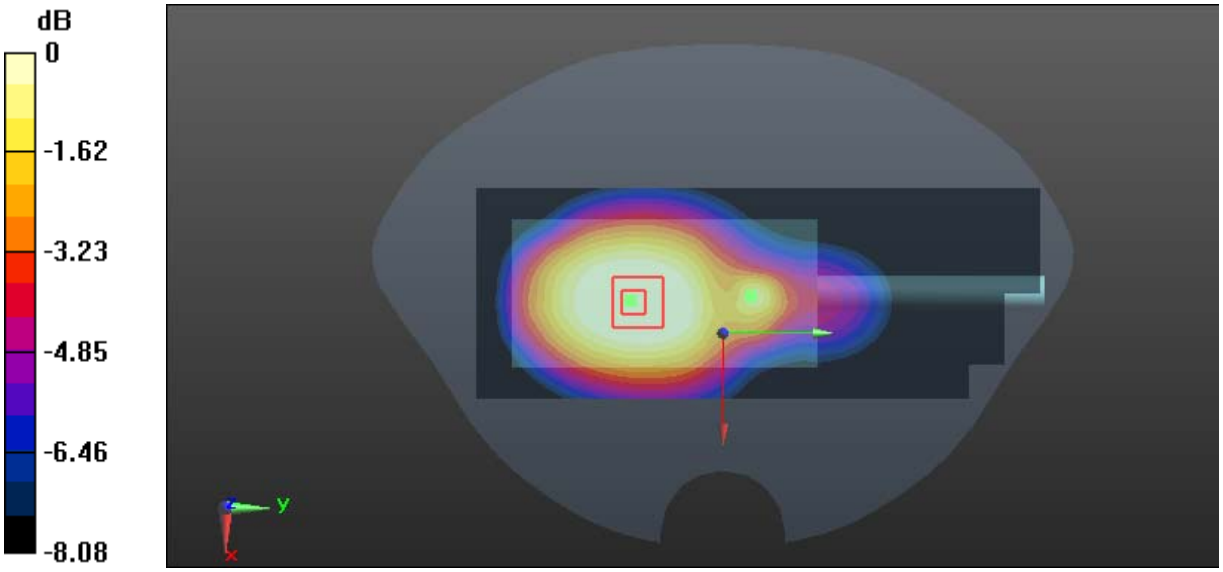
Communication System: FM; Frequency: 824.988 MHz;Duty Cycle: 1:1
Medium parameters used: f = 824.988 MHz; σ = 0.949 S/m; ε_r = 55.821; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(9.85, 9.85, 9.85); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 11.4 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 78.54 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 12.6 W/kg
SAR(1 g) = 9.69 W/kg; SAR(10 g) = 7.19 W/kg
Maximum value of SAR (measured) = 10.2 W/kg



0 dB = 10.2 W/kg = 10.09 dBW/kg

Test Plot 4#: PTT_FM 12.5kHz_Back Back_851.0125MHz

DUT: Digital Portable Radio; Type: PD982 U(5); Serial: 17080200920

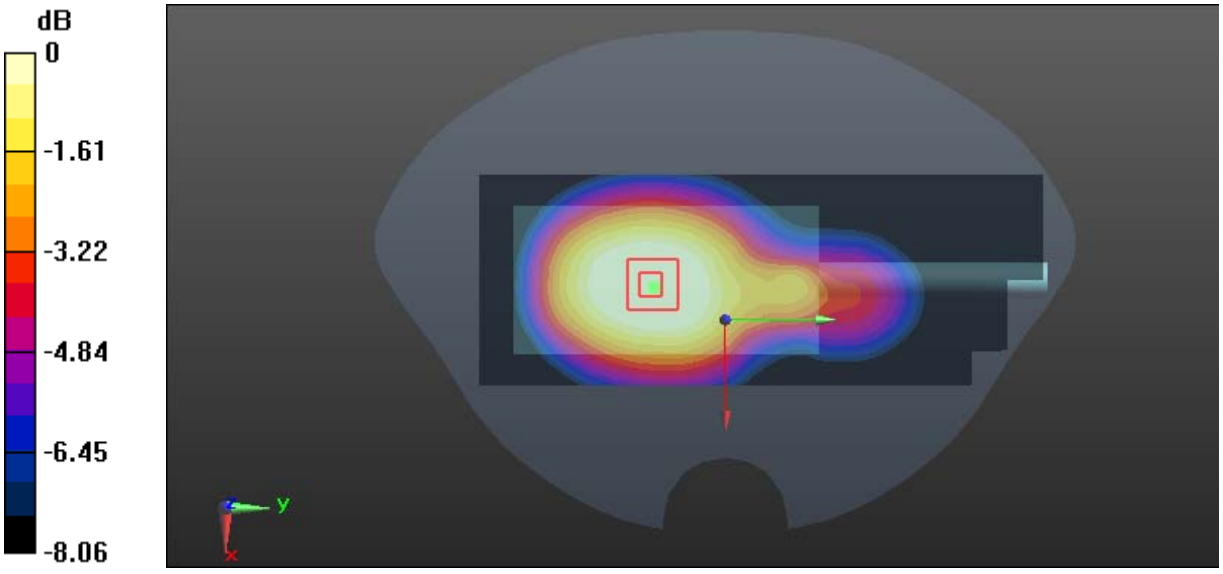
Communication System: FM; Frequency: 851.012 MHz;Duty Cycle: 1:1
Medium parameters used: f = 851.012 MHz; σ = 0.961 S/m; ε_r = 55.463; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(9.85, 9.85, 9.85); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 13.0 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 87.86 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 13.7 W/kg
SAR(1 g) = 10.5 W/kg; SAR(10 g) = 7.71 W/kg
Maximum value of SAR (measured) = 11.1 W/kg



0 dB = 11.1 W/kg = 10.45 dBW/kg

Test Plot 5#: PTT_FM 12.5kHz_Back Back_869.9875MHz

DUT: Digital Portable Radio; Type: PD982 U(5); Serial: 17080200920

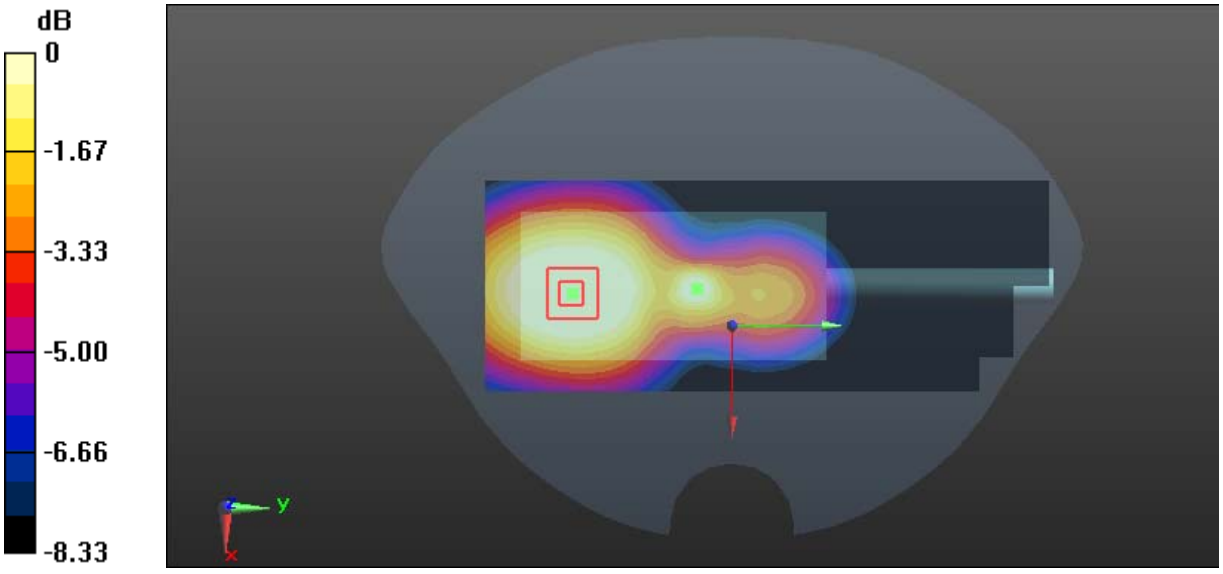
Communication System: FM; Frequency: 869.988 MHz;Duty Cycle: 1:1
Medium parameters used: f = 869.988 MHz; σ = 0.974 S/m; ε_r = 55.131; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(9.85, 9.85, 9.85); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 13.0 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 76.43 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 13.9 W/kg
SAR(1 g) = 10.7 W/kg; SAR(10 g) = 7.89 W/kg
Maximum value of SAR (measured) = 12.2 W/kg



0 dB = 12.2 W/kg = 10.86 dBW/kg

Test Plot 6#: PTT_FM 12.5kHz_Back Back_899.0125MHz

DUT: Digital Portable Radio; Type: PD982 U(5); Serial: 17080200920

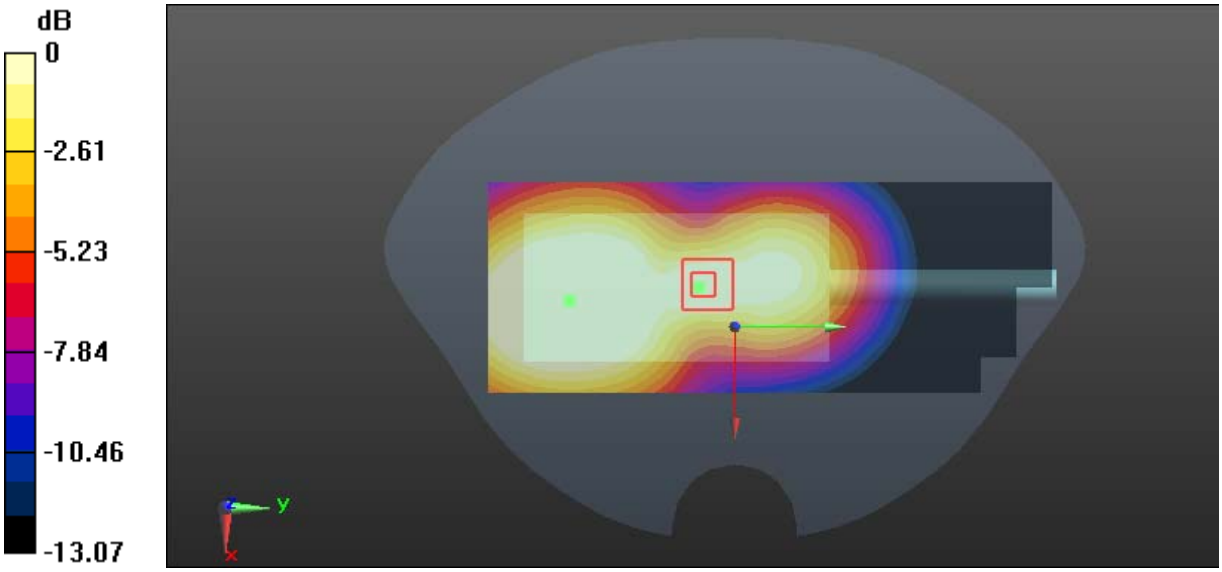
Communication System: FM; Frequency: 899.012 MHz;Duty Cycle: 1:1
Medium parameters used: f = 899.012 MHz; σ = 1.013 S/m; ε_r = 55.022; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(9.85, 9.85, 9.85); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 13.2 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 96.26 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 15.6 W/kg
SAR(1 g) = 10.1 W/kg; SAR(10 g) = 6.68 W/kg
Maximum value of SAR (measured) = 11.4 W/kg



0 dB = 11.4 W/kg = 10.57 dBW/kg

Test Plot 7#: PTT_FM 12.5kHz_Back Back_940.9875MHz

DUT: Digital Portable Radio; Type: PD982 U(5); Serial: 17080200920

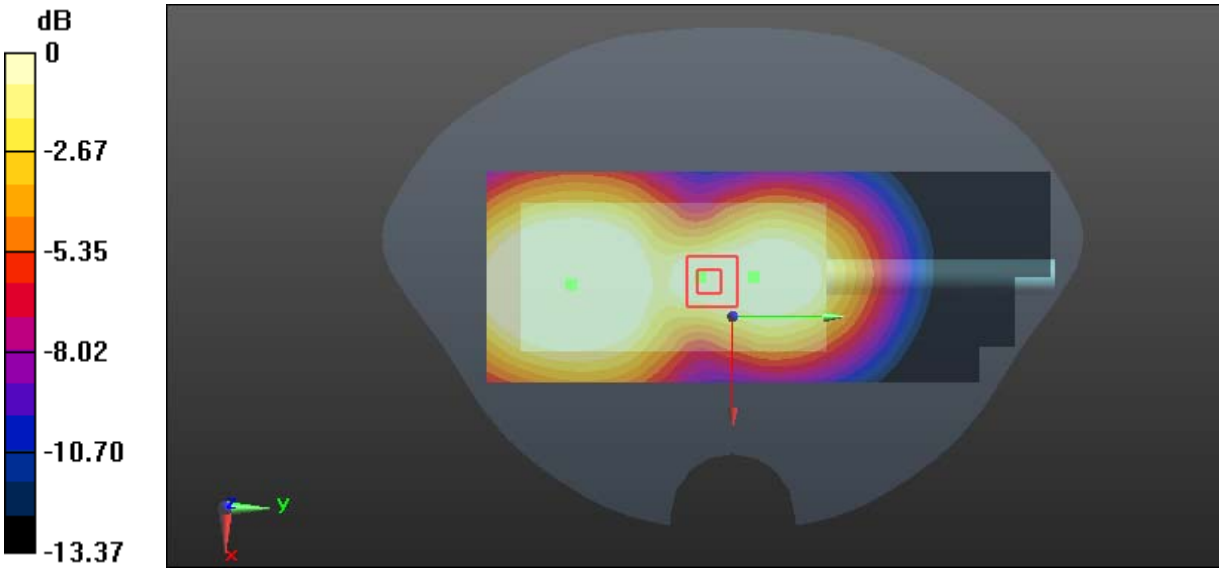
Communication System: FM; Frequency: 940.988 MHz;Duty Cycle: 1:1
Medium parameters used: f = 940.988 MHz; σ = 1.065 S/m; ε_r = 54.753; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(9.85, 9.85, 9.85); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 15.4 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 96.69 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 16.7 W/kg
SAR(1 g) = 9.83 W/kg; SAR(10 g) = 7.02 W/kg
Maximum value of SAR (measured) = 14.8 W/kg



0 dB = 14.8 W/kg = 11.7 dBW/kg

Test Plot 8#: PTT_FM 25kHz_Face Up_869.9875MHz

DUT: Digital Portable Radio; Type: PD982 U(5); Serial: 17080200920

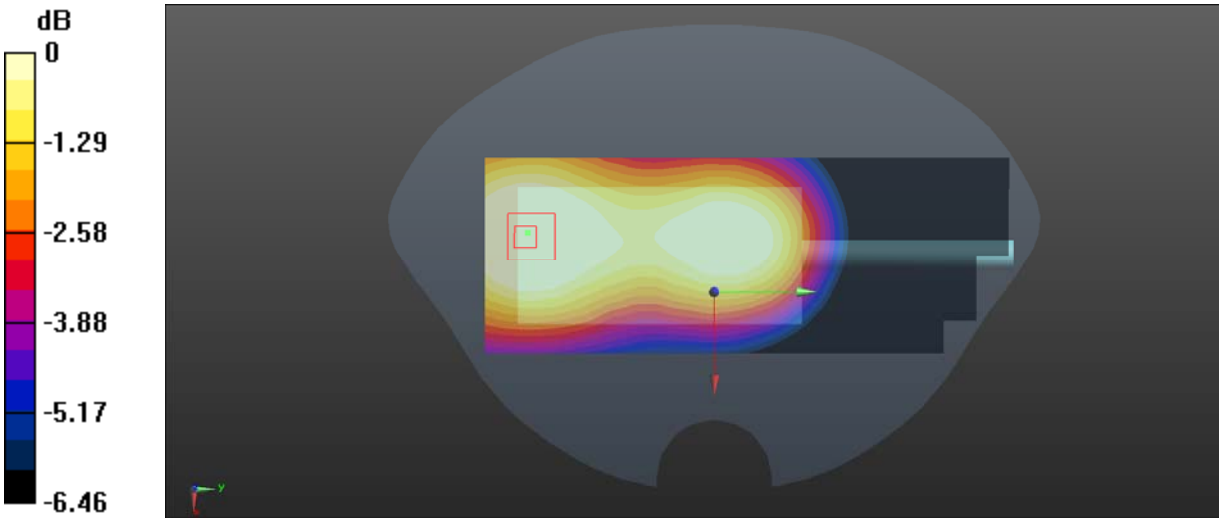
Communication System: FM; Frequency: 869.988 MHz;Duty Cycle: 1:1
Medium parameters used: f = 869.988 MHz; σ = 0.902 S/m; ε_r = 42.491; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.22, 10.22, 10.22); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 2.41 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 42.28 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 2.48 W/kg
SAR(1 g) = 1.91 W/kg; SAR(10 g) = 1.44 W/kg
Maximum value of SAR (measured) = 2.00 W/kg



0 dB = 2.00 W/kg = 3.01 dBW/kg

Test Plot 9#: PTT_FM 25kHz_Back Back_806.0125MHz

DUT: Digital Portable Radio; Type: PD982 U(5); Serial: 17080200920

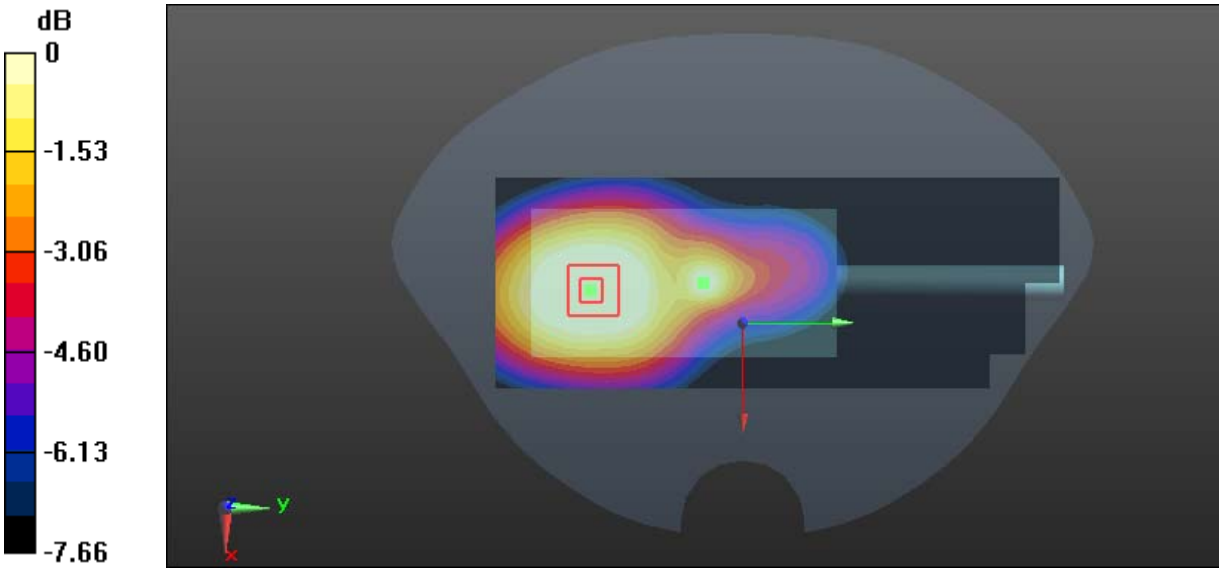
Communication System: FM; Frequency: 806.012 MHz;Duty Cycle: 1:1
Medium parameters used: f = 806.012 MHz; σ = 0.944 S/m; ε_r = 55.99; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.12, 10.12, 10.12); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) =10.8 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 67.53 V/m; Power Drift = -0.17 dB
Peak SAR (extrapolated) = 11.7 W/kg
SAR(1 g) = 8.53 W/kg; SAR(10 g) = 6.41 W/kg
Maximum value of SAR (measured) = 8.99 W/kg



0 dB = 8.99 W/kg = 9.54 dBW/kg

Test Plot 10#: PTT_FM 25kHz_Back Back_824.9875MHz

DUT: Digital Portable Radio; Type: PD982 U(5); Serial: 17080200920

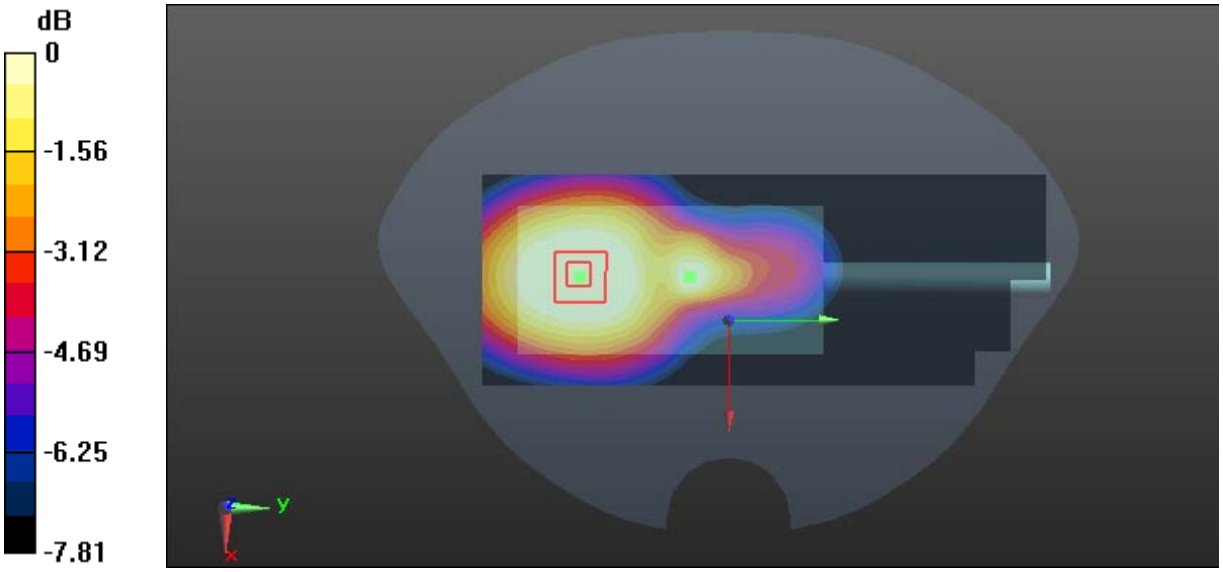
Communication System: FM; Frequency: 824.988 MHz;Duty Cycle: 1:1
Medium parameters used: f = 824.988 MHz; σ = 0.949 S/m; ε_r = 55.821; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(9.85, 9.85, 9.85); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 10.8 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 67.94 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 11.4 W/kg
SAR(1 g) = 8.78 W/kg; SAR(10 g) = 6.57 W/kg
Maximum value of SAR (measured) = 9.23 W/kg



0 dB = 9.23 W/kg = 9.65 dBW/kg

Test Plot 11#: PTT_FM 25kHz_Back Back_851.0125MHz

DUT: Digital Portable Radio; Type: PD982 U(5); Serial: 17080200920

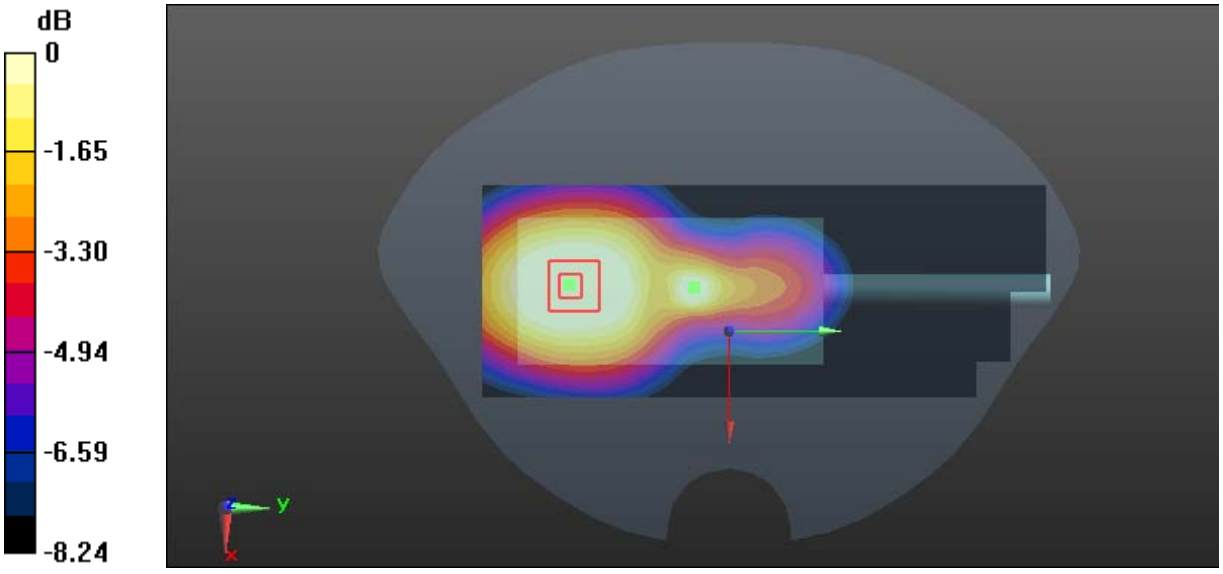
Communication System: FM; Frequency: 851.012 MHz;Duty Cycle: 1:1
Medium parameters used: f = 851.012 MHz; σ = 0.961 S/m; ε_r = 55.463; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(9.85, 9.85, 9.85); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 10.3 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 66.86 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 10.8 W/kg
SAR(1 g) = 8.29 W/kg; SAR(10 g) = 6.13 W/kg
Maximum value of SAR (measured) = 8.74 W/kg



0 dB = 8.74 W/kg = 9.42 dBW/kg

Test Plot 12#: PTT_FM 25kHz_Back Back_869.9875MHz

DUT: Digital Portable Radio; Type: PD982 U(5); Serial: 17080200920

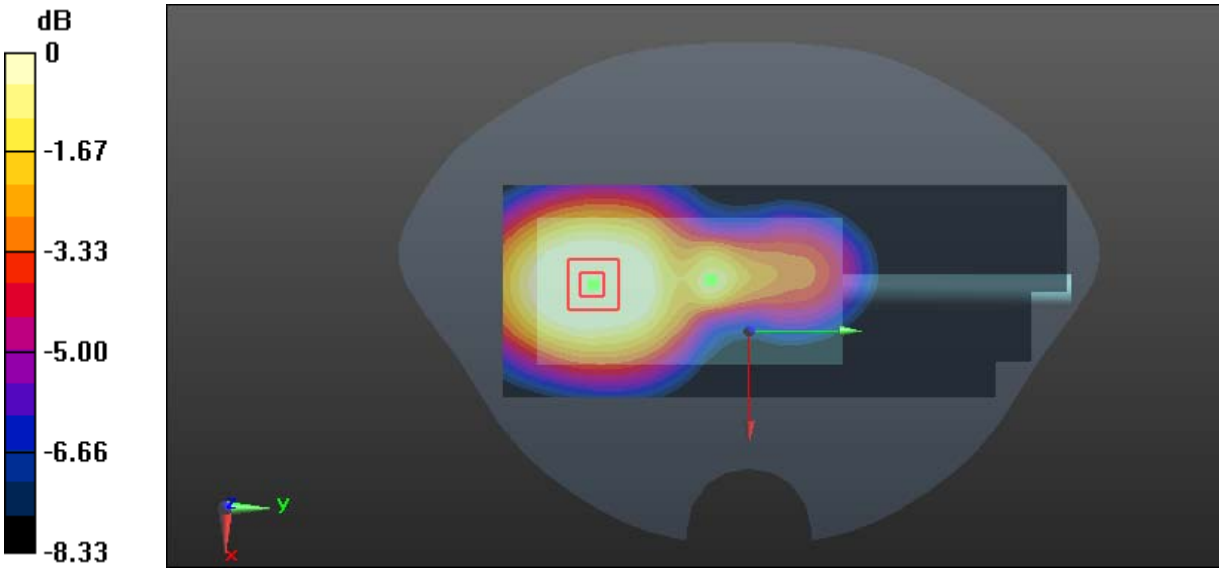
Communication System: FM; Frequency: 869.988 MHz;Duty Cycle: 1:1
Medium parameters used: f = 869.988 MHz; σ = 0.974 S/m; ε_r = 55.131; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(9.85, 9.85, 9.85); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 13.2 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 70.31 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 13.8 W/kg
SAR(1 g) = 10.4 W/kg; SAR(10 g) = 7.67 W/kg
Maximum value of SAR (measured) = 12.0 W/kg



0 dB = 12.0 W/kg = 10.79 dBW/kg

Test Plot 13#: PTT_FM 25kHz_Back Back_899.0125MHz

DUT: Digital Portable Radio; Type: PD982 U(5); Serial: 17080200920

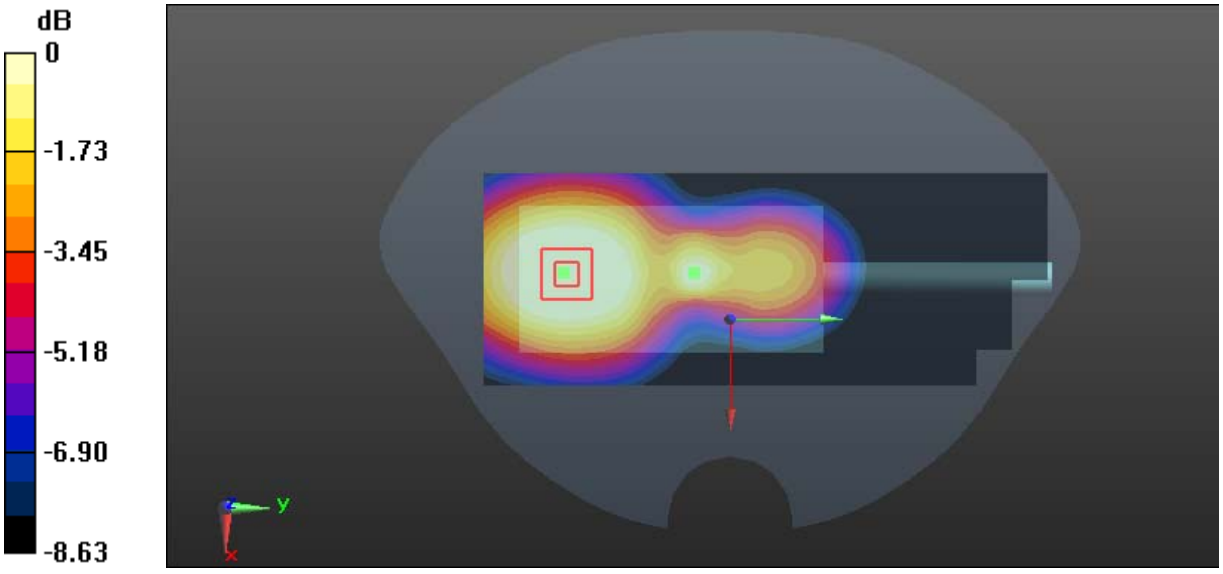
Communication System: FM; Frequency: 899.012 MHz;Duty Cycle: 1:1
Medium parameters used: f = 899.012 MHz; σ = 1.013 S/m; ε_r = 55.022; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(9.85, 9.85, 9.85); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 12.3 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 76.11 V/m; Power Drift = -0.16 dB
Peak SAR (extrapolated) = 13.2 W/kg
SAR(1 g) = 9.97 W/kg; SAR(10 g) = 7.25 W/kg
Maximum value of SAR (measured) = 10.5 W/kg



0 dB = 10.5 W/kg = 10.21 dBW/kg

Test Plot 14#: PTT_FM 25kHz_Back Back_940.9875MHz

DUT: Digital Portable Radio; Type: PD982 U(5); Serial: 17080200920

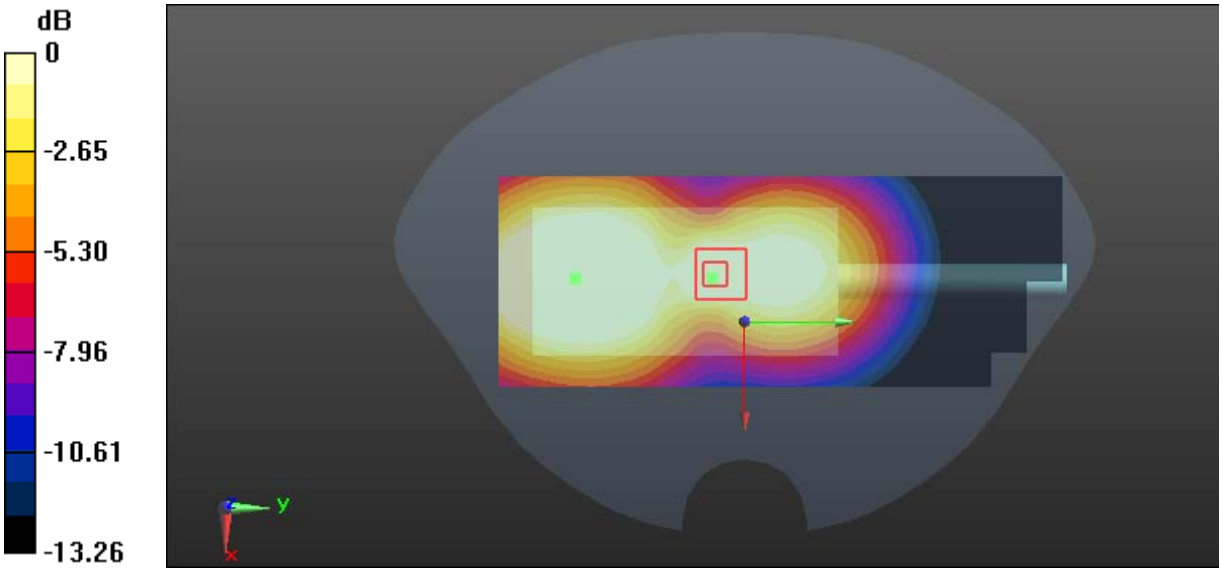
Communication System: FM; Frequency: 940.988 MHz;Duty Cycle: 1:1
Medium parameters used: f = 940.988 MHz; σ = 1.065 S/m; ε_r = 54.753; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(9.85, 9.85, 9.85); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 11.1 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 89.44 V/m; Power Drift = -0.18 dB
Peak SAR (extrapolated) = 13.5 W/kg
SAR(1 g) = 8.6 W/kg; SAR(10 g) = 5.74 W/kg
Maximum value of SAR (measured) = 9.43 W/kg



0 dB = 9.43 W/kg = 9.75 dBW/kg

Test Plot 15#: PTT_4FSK_Face Up_869.9875MHz

DUT: Digital Portable Radio; Type: PD982 U(5); Serial: 17080200920

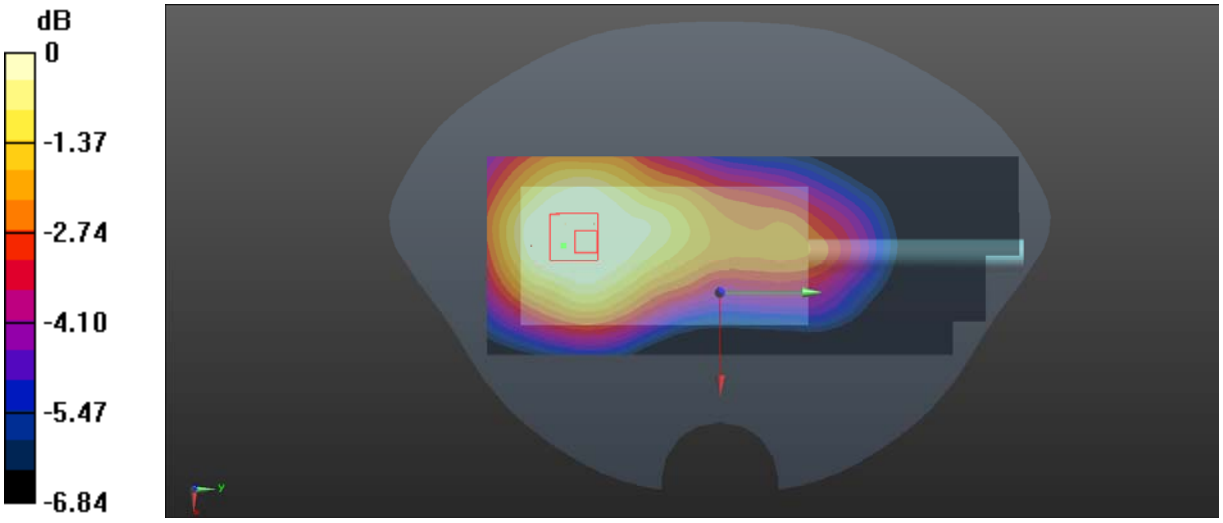
Communication System: 4FSK; Frequency: 869.988 MHz;Duty Cycle: 1:2
Medium parameters used: f = 869.988 MHz; σ = 0.902 S/m; ε_r = 42.491; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.22, 10.22, 10.22); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 1.56 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 28.84 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.89 W/kg
SAR(1 g) = 1.33 W/kg; SAR(10 g) = 0.972 W/kg
Maximum value of SAR (measured) = 1.41 W/kg



0 dB = 1.41 W/kg = 1.49 dBW/kg

Test Plot 16#: PTT_4FSK_Back Back_869.9875MHz

DUT: Digital Portable Radio; Type: PD982 U(5); Serial: 17080200920

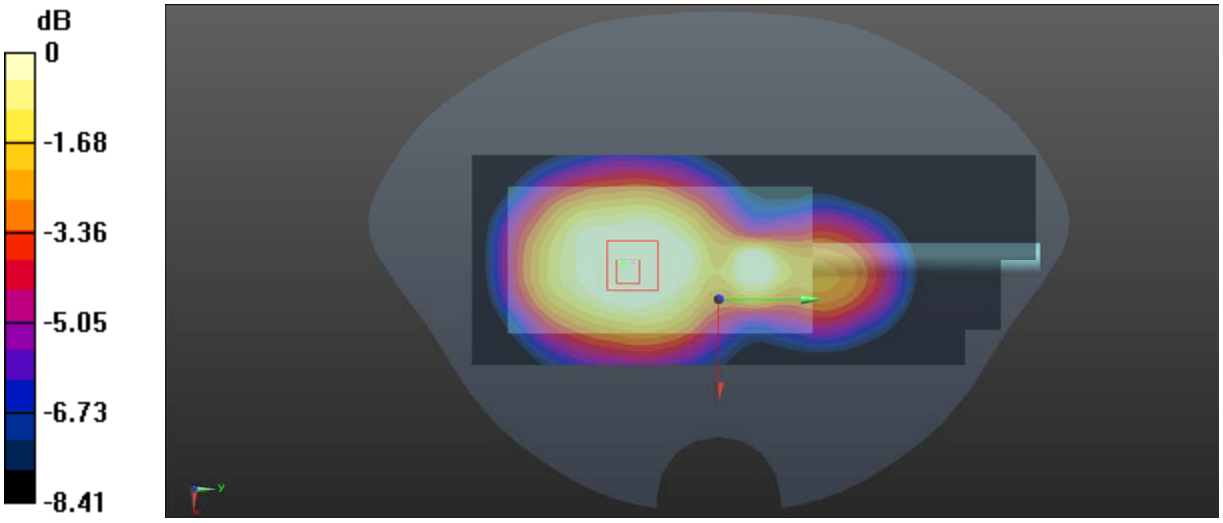
Communication System: 4FSK; Frequency: 869.988 MHz;Duty Cycle: 1:2
Medium parameters used: f = 869.988 MHz; σ = 0.974 S/m; ε_r = 55.131; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(9.85, 9.85, 9.85); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: Twin SAM; Type: Twin SAM V5.0; Serial: 1412
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 7.88 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 62.06 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 8.88 W/kg
SAR(1 g) = 6.12 W/kg; SAR(10 g) = 4.51 W/kg
Maximum value of SAR (measured) = 6.56 W/kg



0 dB = 6.56 W/kg = 8.17 dBW/kg