

Test Plot 1#: PTT_FM 12.5kHz_Face Up_164 MHz**DUT: Digital Portable Radio; Type: PD982i VHF; Serial: 17120701620**

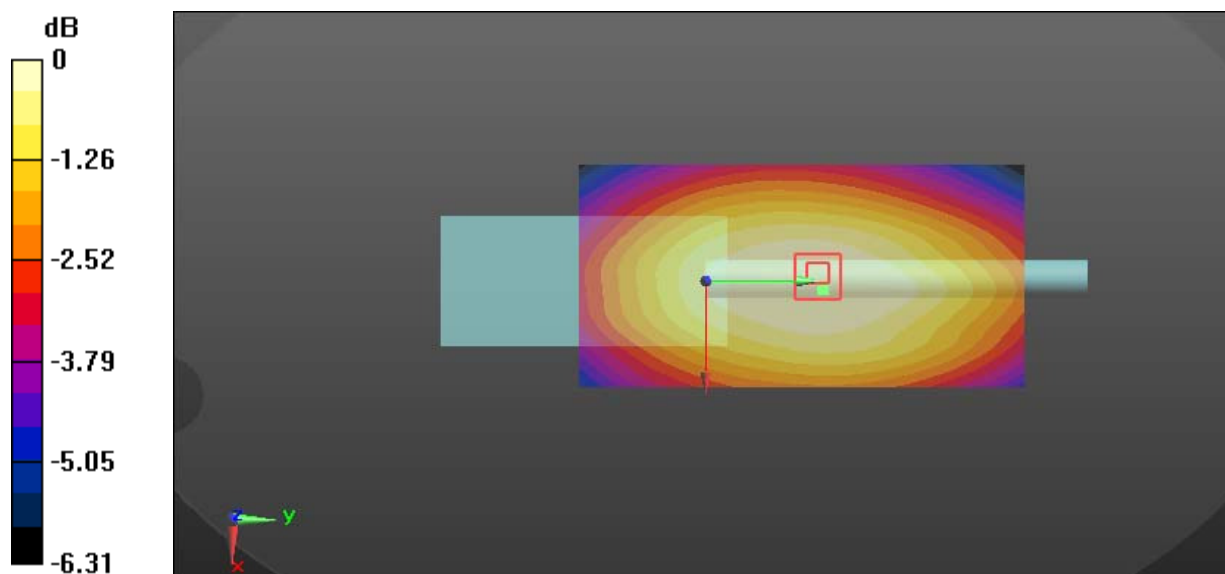
Communication System: FM; Frequency: 164 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 164 \text{ MHz}$; $\sigma = 0.778 \text{ S/m}$; $\epsilon_r = 52.075$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.88, 12.88, 12.88); Calibrated: 2018/1/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 5.55 W/kg **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 84.65 V/m ; Power Drift = -0.09 dB Peak SAR (extrapolated) = 6.24 W/kg **SAR(1 g) = 5.1 W/kg ; SAR(10 g) = 4.14 W/kg** Maximum value of SAR (measured) = 5.68 W/kg  $0 \text{ dB} = 5.68 \text{ W/kg} = 7.54 \text{ dBW/kg}$

Test Plot 2#: PTT_FM 25kHz_Face Up_164 MHz**DUT: Digital Portable Radio; Type: PD982i VHF; Serial: 17120701620**

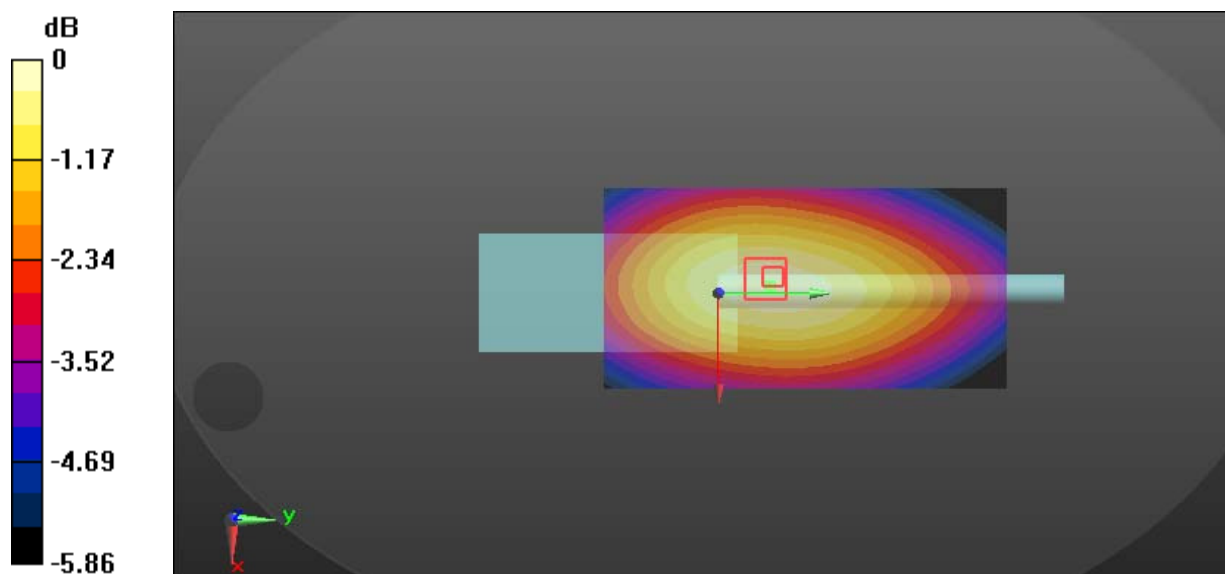
Communication System: FM; Frequency: 164 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 164 \text{ MHz}$; $\sigma = 0.778 \text{ S/m}$; $\epsilon_r = 52.075$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.88, 12.88, 12.88); Calibrated: 2018/1/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 5.83 W/kg **Zoom Scan (5x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 84.77 V/m ; Power Drift = -0.15 dB Peak SAR (extrapolated) = 6.66 W/kg **SAR(1 g) = 5.49 W/kg ; SAR(10 g) = 4.47 W/kg** Maximum value of SAR (measured) = 5.97 W/kg  $0 \text{ dB} = 5.97 \text{ W/kg} = 7.76 \text{ dBW/kg}$

Test Plot 3#: PTT_4FSK 12.5kHz_Face Up_164 MHz**DUT: Digital Portable Radio; Type: PD982i VHF; Serial: 17120701620**

Communication System: 4FSK; Frequency: 164 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 164 \text{ MHz}$; $\sigma = 0.778 \text{ S/m}$; $\epsilon_r = 52.075$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.88, 12.88, 12.88); Calibrated: 2018/1/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 2.36 W/kg

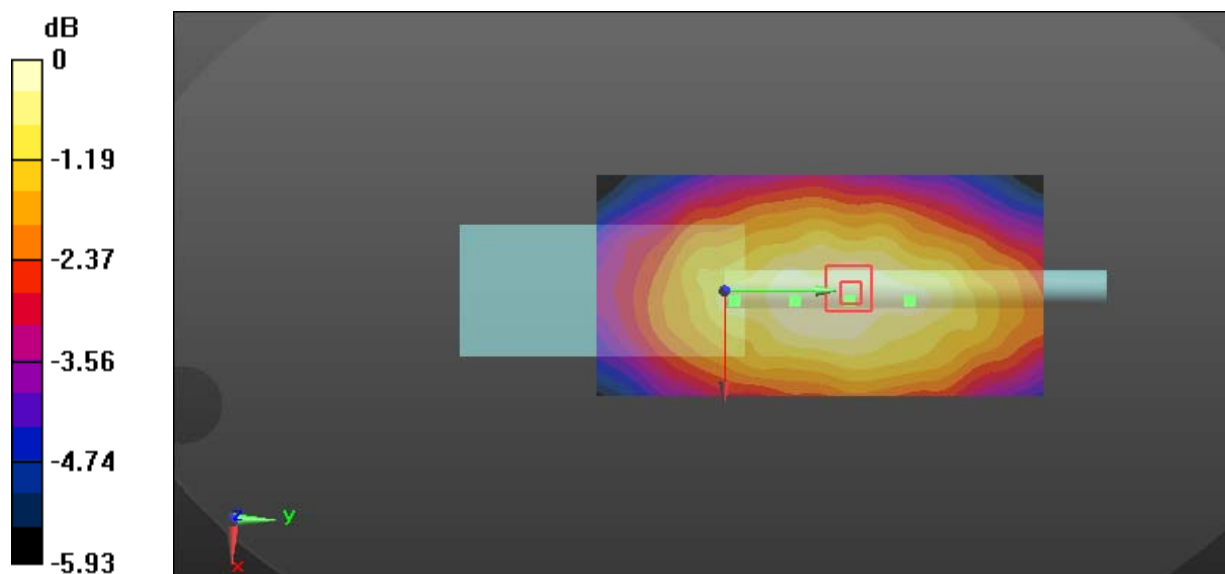
Zoom Scan (6x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 51.48 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 3.06 W/kg

SAR(1 g) = 2.22 W/kg; SAR(10 g) = 1.76 W/kg

Maximum value of SAR (measured) = 2.32 W/kg



0 dB = 2.32 W/kg = 3.65 dBW/kg

Test Plot 4#: PTT_FM 12.5kHz_Body Back_136.0125 MHz**DUT: Digital Portable Radio; Type: PD982i VHF; Serial: 17120701620**

Communication System: FM; Frequency: 136.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.787$ S/m; $\epsilon_r = 62.092$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 14.7 W/kg

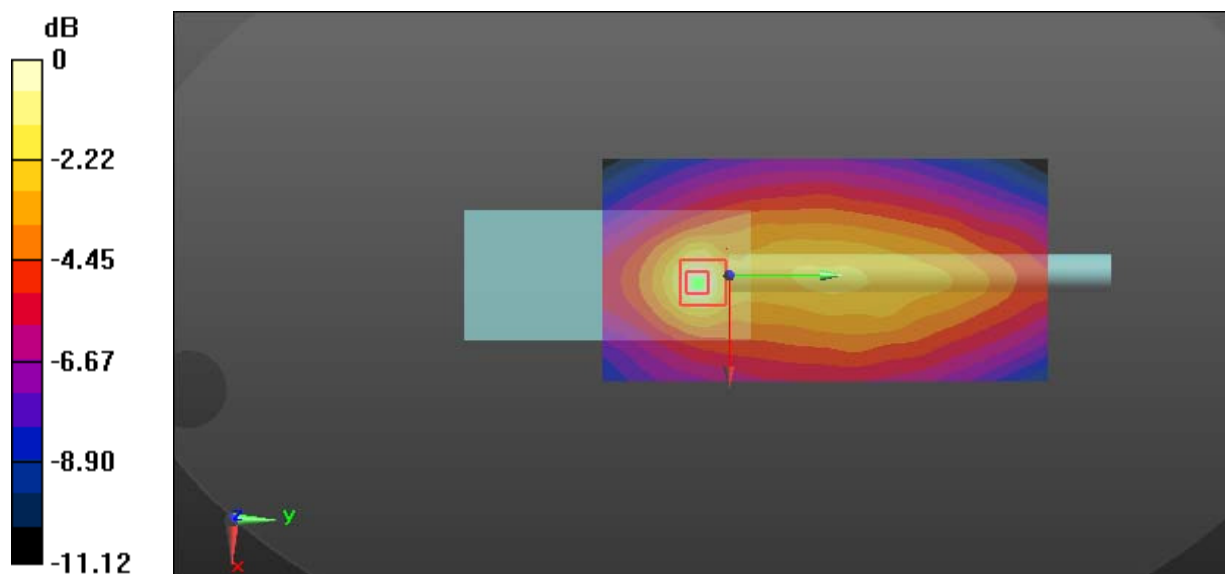
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 89.08 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 21.3 W/kg

SAR(1 g) = 7.56 W/kg; SAR(10 g) = 4.6 W/kg

Maximum value of SAR (measured) = 13.5 W/kg



0 dB = 13.5 W/kg = 11.30 dBW/kg

Test Plot 5#: PTT_FM 12.5kHz_Body Back_144 MHz**DUT: Digital Portable Radio; Type: PD982i VHF; Serial: 17120701620**

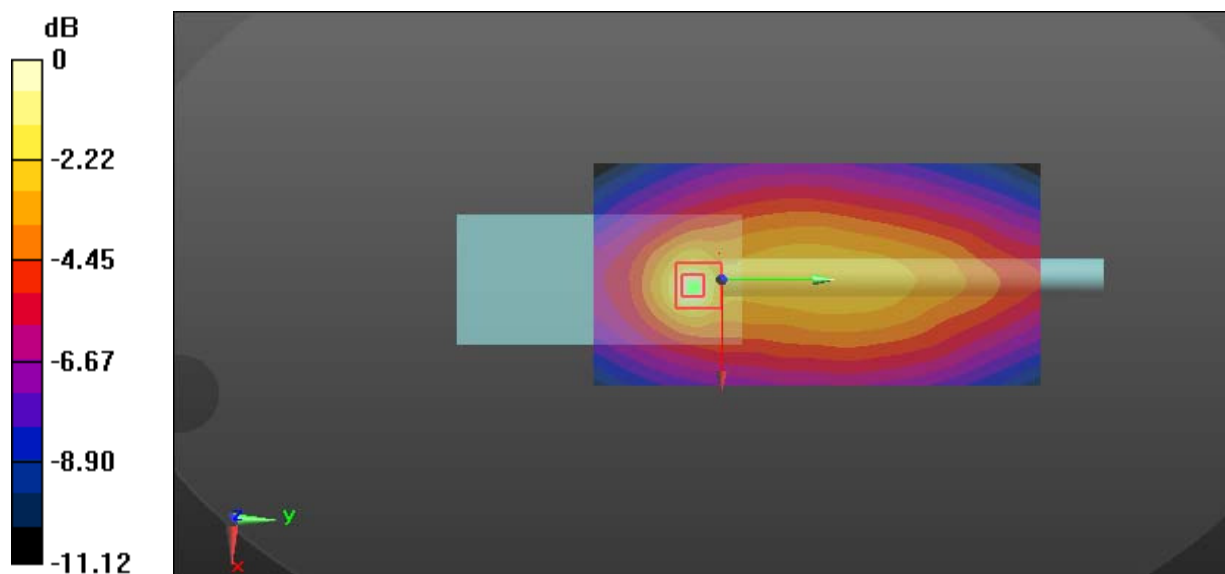
Communication System: FM; Frequency: 144 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 144 \text{ MHz}$; $\sigma = 0.794 \text{ S/m}$; $\epsilon_r = 61.055$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 11.0 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 74.12 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 16.8 W/kg **SAR(1 g) = 6 W/kg ; SAR(10 g) = 3.67 W/kg** Maximum value of SAR (measured) = 10.6 W/kg  $0 \text{ dB} = 10.6 \text{ W/kg} = 10.25 \text{ dBW/kg}$

Test Plot 6#: PTT_FM 12.5kHz_Body Back_155 MHz**DUT: Digital Portable Radio; Type: PD982i VHF; Serial: 17120701620**

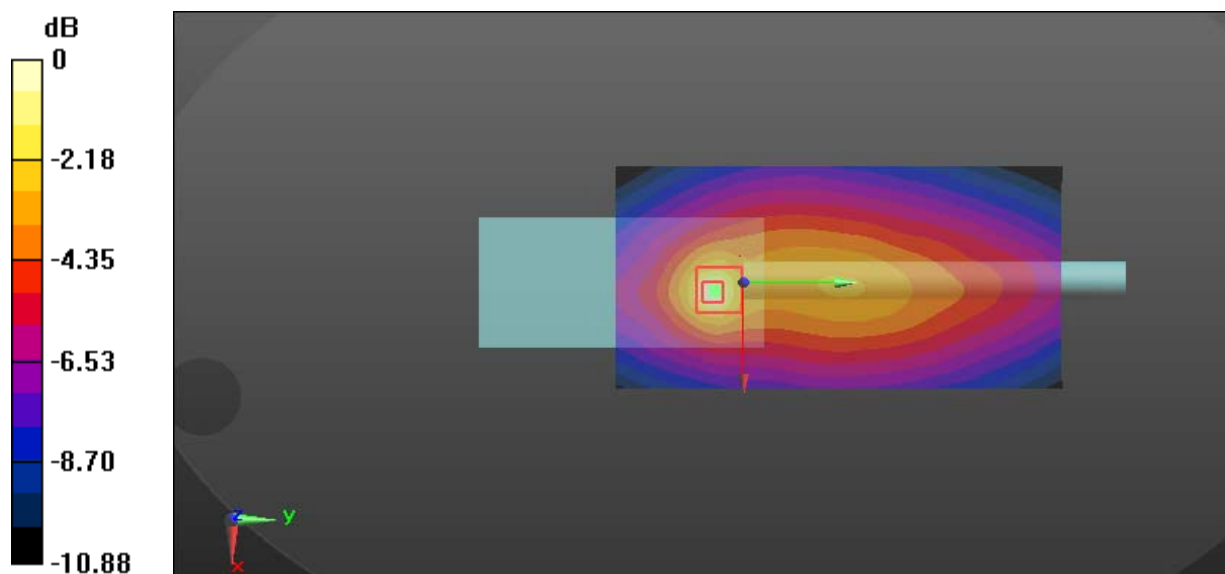
Communication System: FM; Frequency: 155 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 155 \text{ MHz}$; $\sigma = 0.815 \text{ S/m}$; $\epsilon_r = 60.951$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.48 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 64.14 V/m ; Power Drift = 0.01 dB Peak SAR (extrapolated) = 12.5 W/kg **SAR(1 g) = 4.96 W/kg ; SAR(10 g) = 3.03 W/kg** Maximum value of SAR (measured) = 8.64 W/kg  $0 \text{ dB} = 8.64 \text{ W/kg} = 9.37 \text{ dBW/kg}$

Test Plot 7#: PTT_FM 12.5kHz_Body Back_164 MHz**DUT: Digital Portable Radio; Type: PD982i VHF; Serial: 17120701620**

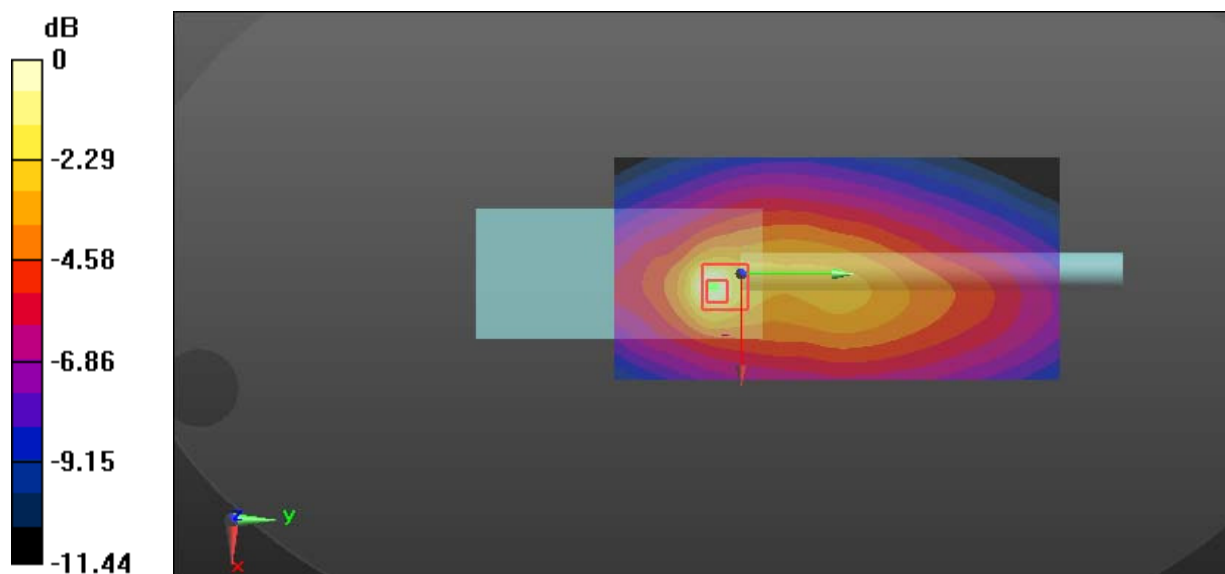
Communication System: FM; Frequency: 164 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 164 \text{ MHz}$; $\sigma = 0.813 \text{ S/m}$; $\epsilon_r = 60.97$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 13.2 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 77.48 V/m ; Power Drift = -0.20 dB Peak SAR (extrapolated) = 19.2 W/kg **SAR(1 g) = 6.64 W/kg ; SAR(10 g) = 3.99 W/kg** Maximum value of SAR (measured) = 11.7 W/kg  $0 \text{ dB} = 11.7 \text{ W/kg} = 10.68 \text{ dBW/kg}$

Test Plot 8#: PTT_FM 12.5kHz_Body Back_173.9875 MHz**DUT: Digital Portable Radio; Type: PD982i VHF; Serial: 17120701620**

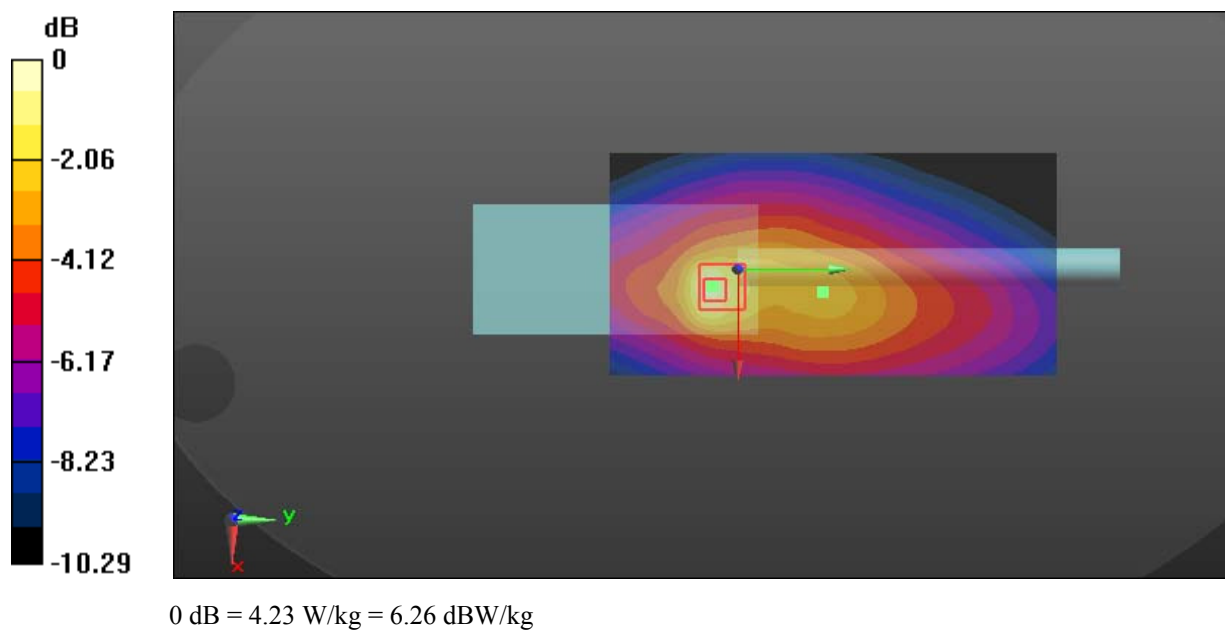
Communication System: FM; Frequency: 173.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 173.988 \text{ MHz}$; $\sigma = 0.823 \text{ S/m}$; $\epsilon_r = 60.904$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.89 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 46.82 V/m ; Power Drift = 0.13 dB Peak SAR (extrapolated) = 6.35 W/kg **SAR(1 g) = 2.56 W/kg ; SAR(10 g) = 1.63 W/kg** Maximum value of SAR (measured) = 4.23 W/kg 

Test Plot 9#: PTT_FM 25kHz_Body Back_136.0125 MHz

DUT: Digital Portable Radio; Type: PD982i VHF; Serial: 17120701620

Communication System: FM; Frequency: 136.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.787$ S/m; $\epsilon_r = 62.092$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x141x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 14.5 W/kg

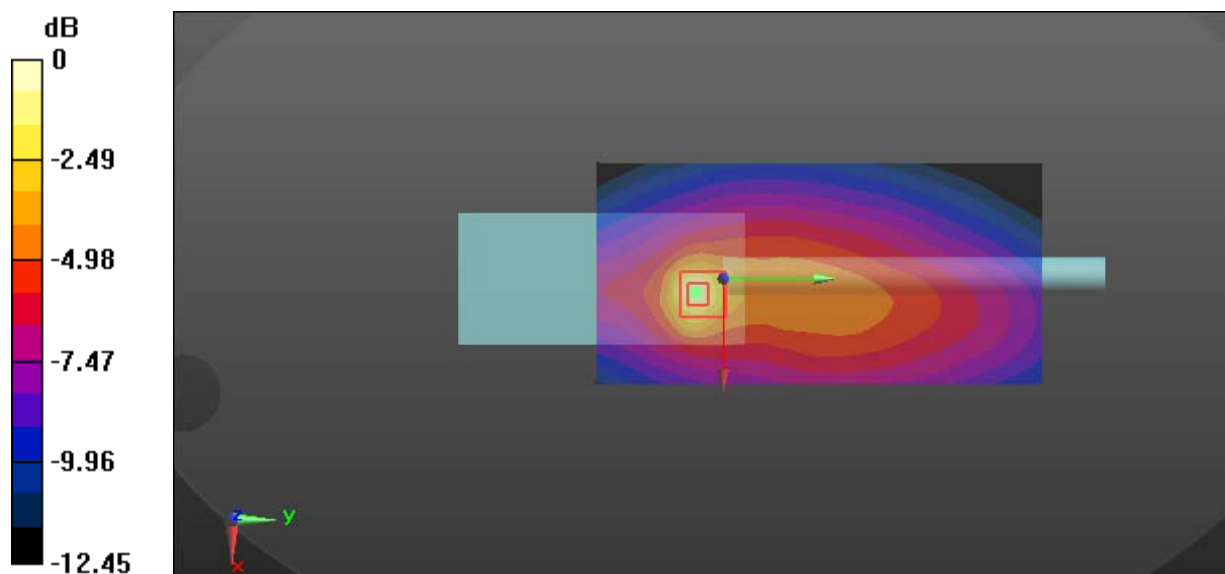
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 76.62 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 23.3 W/kg

SAR(1 g) = 7.56 W/kg; SAR(10 g) = 4.16 W/kg

Maximum value of SAR (measured) = 15.2 W/kg



0 dB = 15.2 W/kg = 11.82 dBW/kg

Test Plot 10#: PTT_FM 25kHz_Body Back_144 MHz**DUT: Digital Portable Radio; Type: PD982i VHF; Serial: 17120701620**

Communication System: FM; Frequency: 144 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 144$ MHz; $\sigma = 0.794$ S/m; $\epsilon_r = 61.055$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 13.1 W/kg

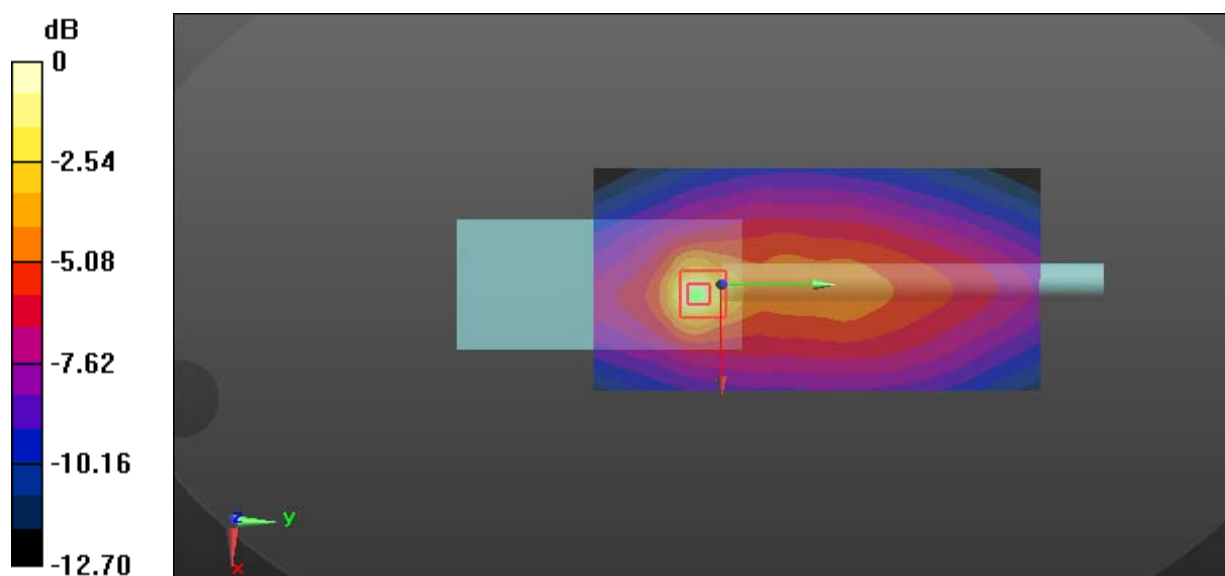
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 73.92 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 21.4 W/kg

SAR(1 g) = 6.56 W/kg; SAR(10 g) = 3.51 W/kg

Maximum value of SAR (measured) = 13.0 W/kg



0 dB = 13.0 W/kg = 11.14 dBW/kg

Test Plot 11#: PTT_FM 25kHz_Body Back_155 MHz**DUT: Digital Portable Radio; Type: PD982i VHF; Serial: 17120701620**

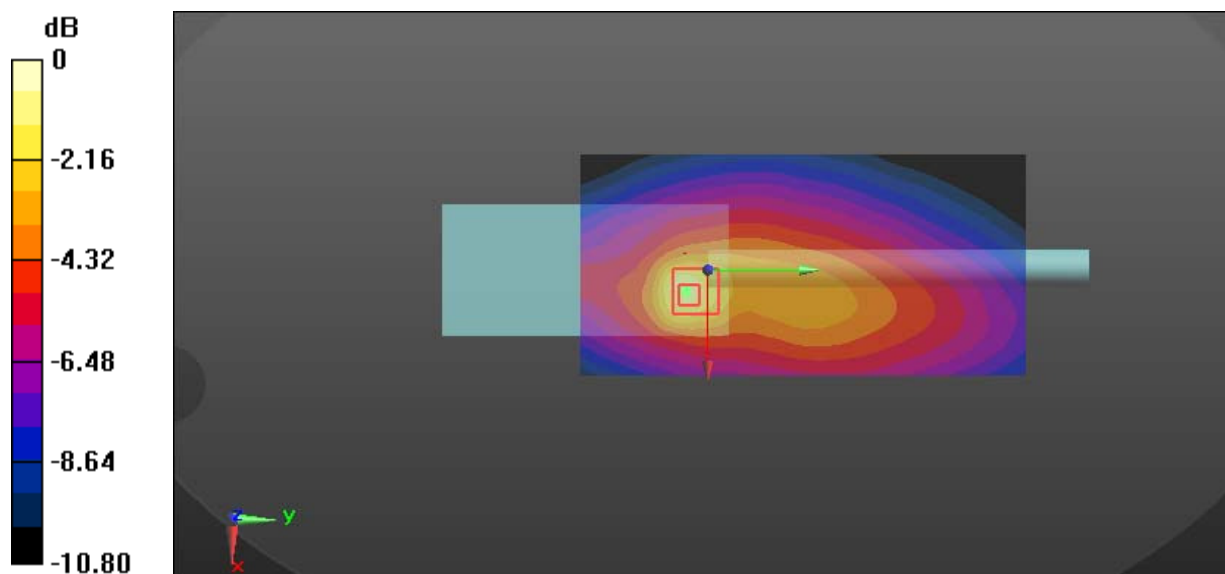
Communication System: FM; Frequency: 155 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 155 \text{ MHz}$; $\sigma = 0.815 \text{ S/m}$; $\epsilon_r = 60.951$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.52 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 66.76 V/m ; Power Drift = -0.03 dB Peak SAR (extrapolated) = 15.7 W/kg **SAR(1 g) = 5.36 W/kg ; SAR(10 g) = 3.22 W/kg** Maximum value of SAR (measured) = 9.04 W/kg  $0 \text{ dB} = 9.04 \text{ W/kg} = 9.56 \text{ dBW/kg}$

Test Plot 12#: PTT_FM 25kHz_Body Back_164 MHz**DUT: Digital Portable Radio; Type: PD982i VHF; Serial: 17120701620**

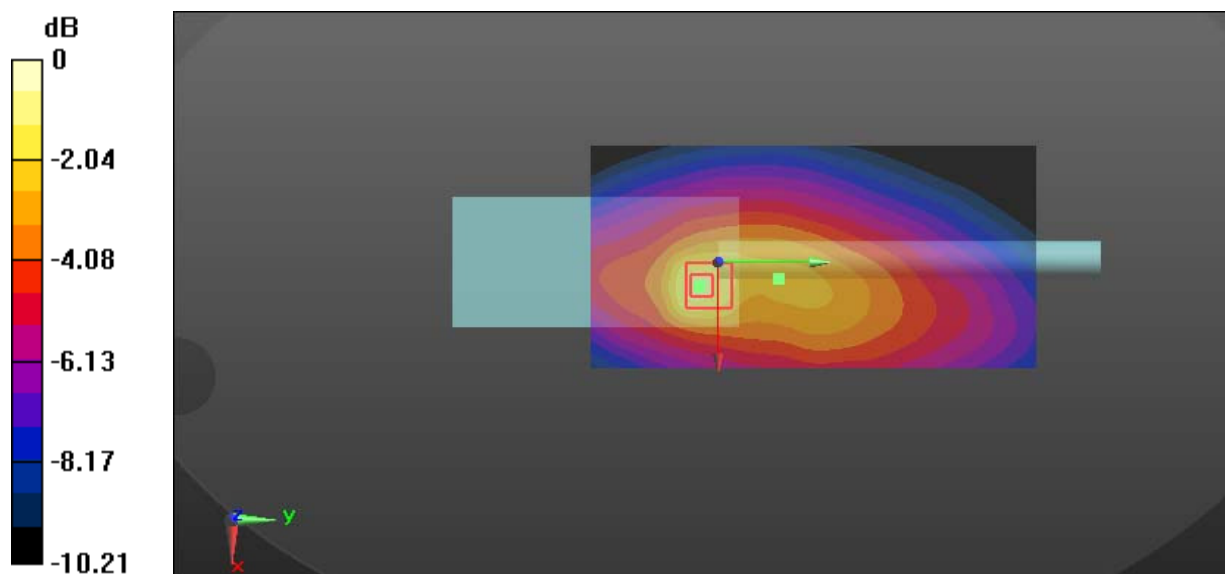
Communication System: FM; Frequency: 164 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 164 \text{ MHz}$; $\sigma = 0.813 \text{ S/m}$; $\epsilon_r = 60.97$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.81 W/kg **Zoom Scan (5x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 75.40 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 14.8 W/kg **SAR(1 g) = 5.6 W/kg ; SAR(10 g) = 3.57 W/kg** Maximum value of SAR (measured) = 9.80 W/kg  $0 \text{ dB} = 9.80 \text{ W/kg} = 9.91 \text{ dBW/kg}$

Test Plot 13#: PTT_FM 25kHz_Body Back_173.9875 MHz**DUT: Digital Portable Radio; Type: PD982i VHF; Serial: 17120701620**

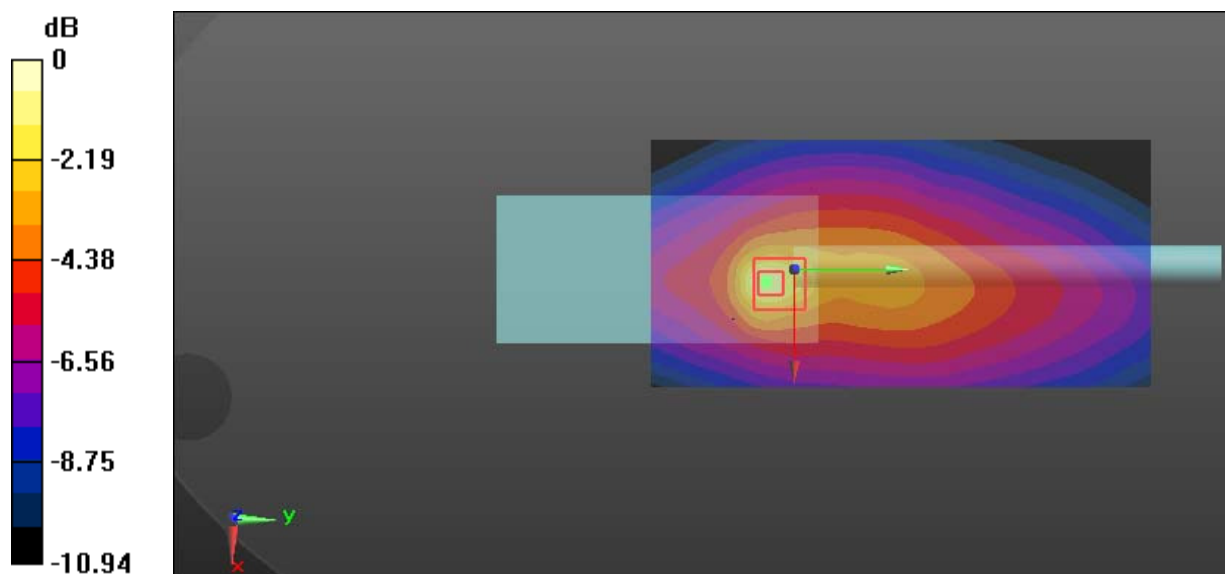
Communication System: FM; Frequency: 173.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 173.988 \text{ MHz}$; $\sigma = 0.823 \text{ S/m}$; $\epsilon_r = 60.904$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.49 W/kg **Zoom Scan (5x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 49.72 V/m ; Power Drift = 0.05 dB Peak SAR (extrapolated) = 7.89 W/kg **SAR(1 g) = 2.8 W/kg ; SAR(10 g) = 1.69 W/kg** Maximum value of SAR (measured) = 5.13 W/kg  $0 \text{ dB} = 5.13 \text{ W/kg} = 7.10 \text{ dBW/kg}$

Test Plot 14#: PTT_4FSK 12.5kHz_Body Back_136.0125 MHz**DUT: Digital Portable Radio; Type: PD982i VHF; Serial: 17120701620**

Communication System: 4FSK; Frequency: 136.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.787$ S/m; $\epsilon_r = 62.092$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.96 W/kg

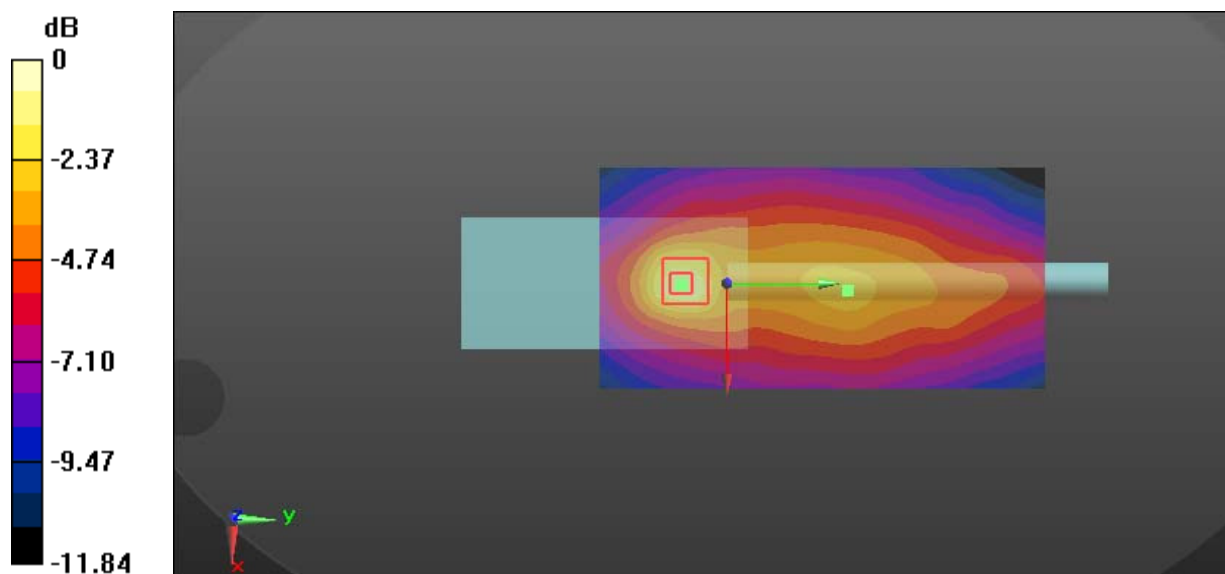
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 58.81 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 13.1 W/kg

SAR(1 g) = 4.41 W/kg; SAR(10 g) = 2.58 W/kg

Maximum value of SAR (measured) = 8.31 W/kg



0 dB = 8.31 W/kg = 9.20 dBW/kg