

**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:  $f = 164$  MHz;  $\sigma = 0.778$  S/m;  $\epsilon_r = 52.075$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.55 W/kg

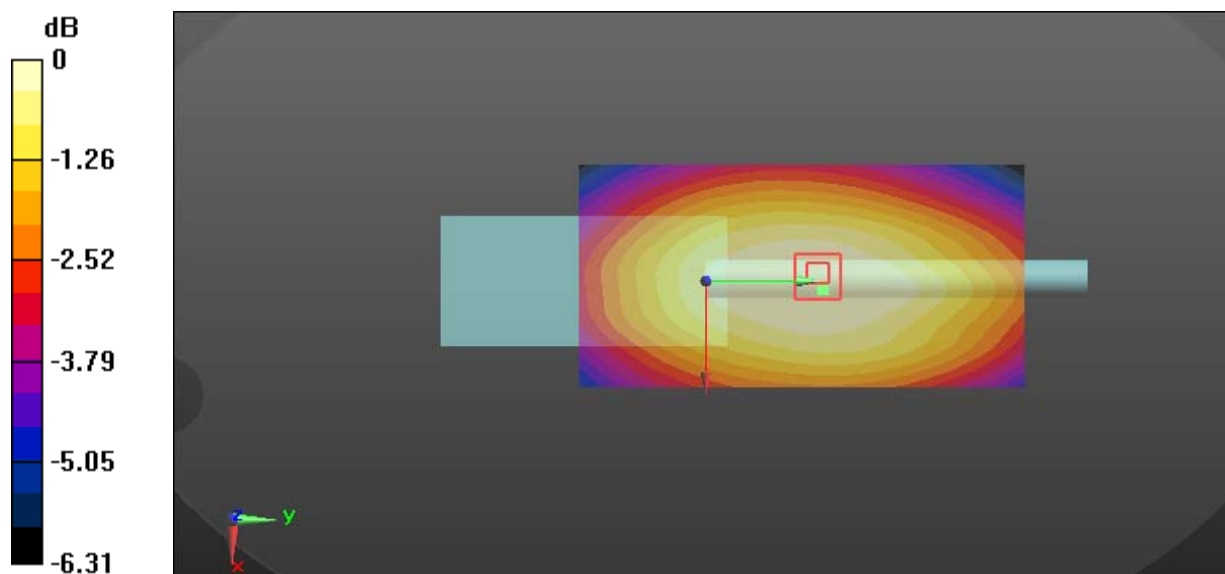
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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 dB = 5.68 W/kg = 7.54 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:  $f = 164$  MHz;  $\sigma = 0.778$  S/m;  $\epsilon_r = 52.075$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.83 W/kg

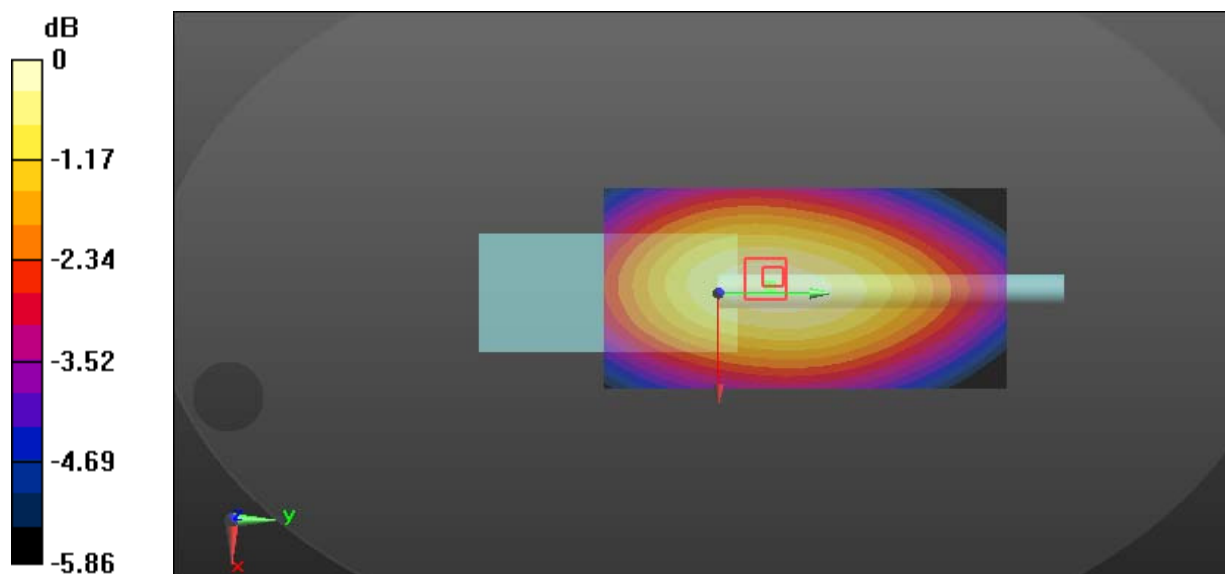
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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 dB = 5.97 W/kg = 7.76 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:  $f = 164$  MHz;  $\sigma = 0.778$  S/m;  $\epsilon_r = 52.075$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 mm, dy=1.500 mm

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

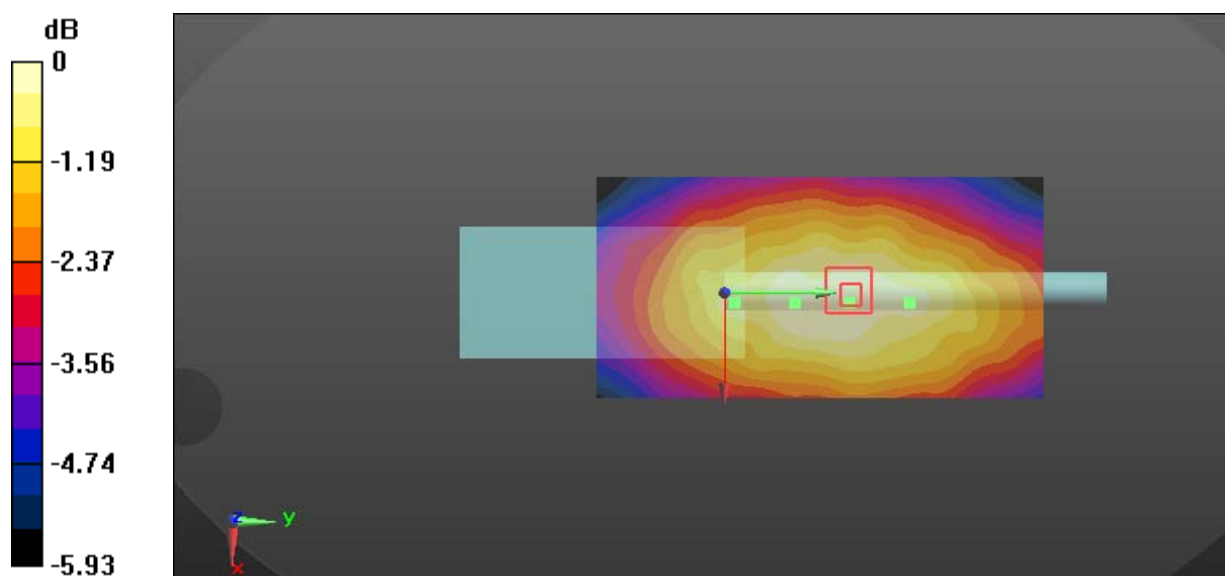
**Zoom Scan (6x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m<sup>3</sup>

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

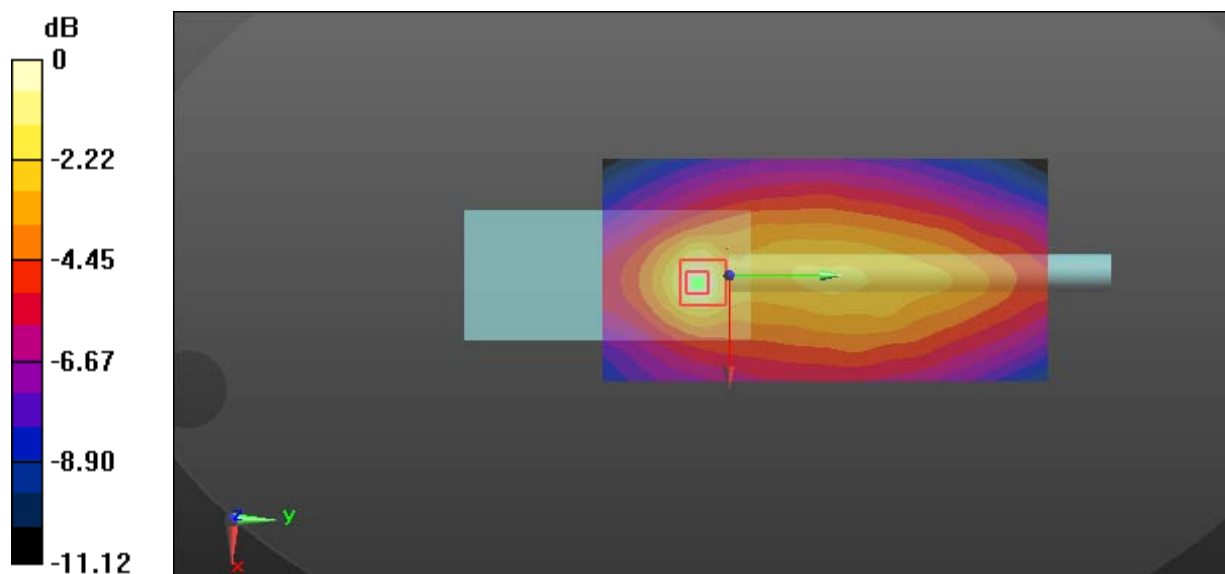
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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:  $f = 144$  MHz;  $\sigma = 0.794$  S/m;  $\epsilon_r = 61.055$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 11.0 W/kg

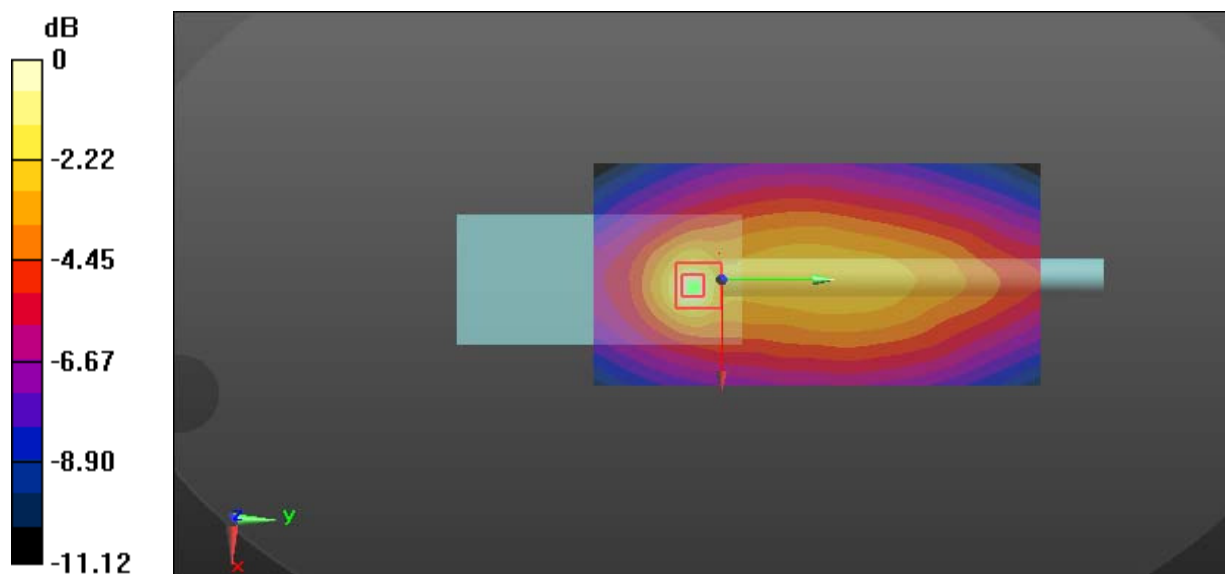
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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 dB = 10.6 W/kg = 10.25 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:  $f = 155$  MHz;  $\sigma = 0.815$  S/m;  $\epsilon_r = 60.951$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 8.48 W/kg

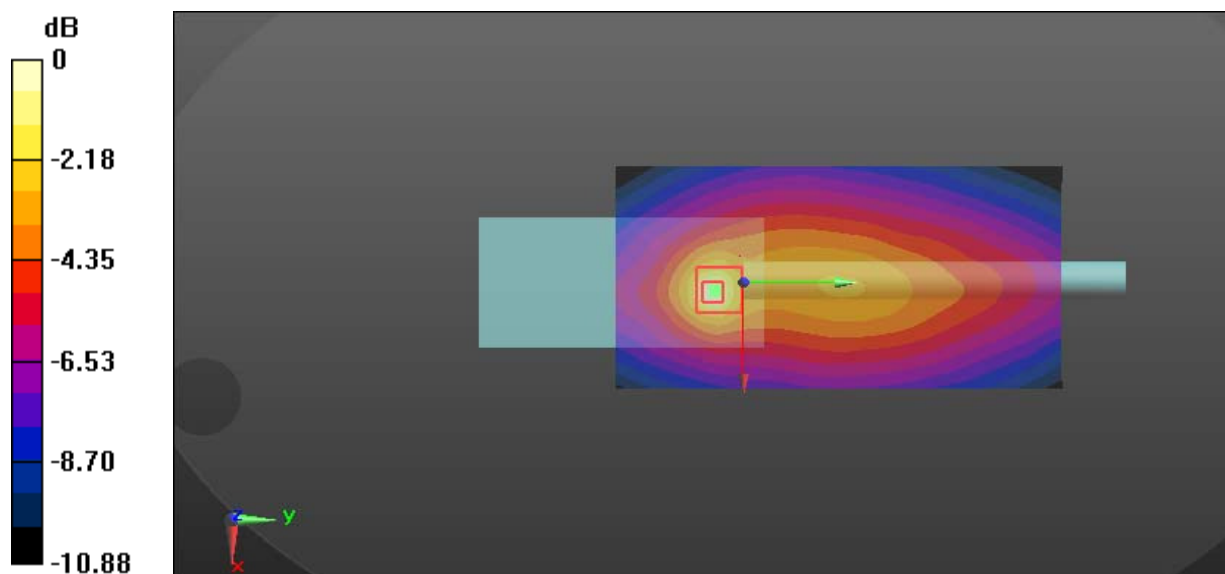
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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 dB = 8.64 W/kg = 9.37 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:  $f = 164$  MHz;  $\sigma = 0.813$  S/m;  $\epsilon_r = 60.97$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 13.2 W/kg

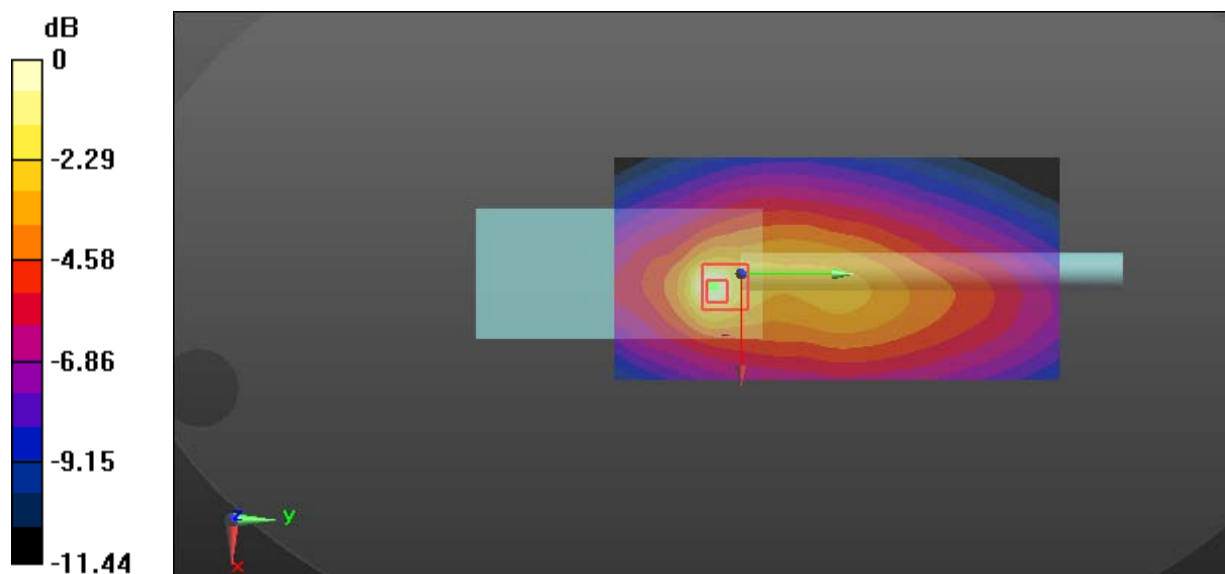
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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 dB = 11.7 W/kg = 10.68 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:  $f = 173.988$  MHz;  $\sigma = 0.823$  S/m;  $\epsilon_r = 60.904$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 3.89 W/kg

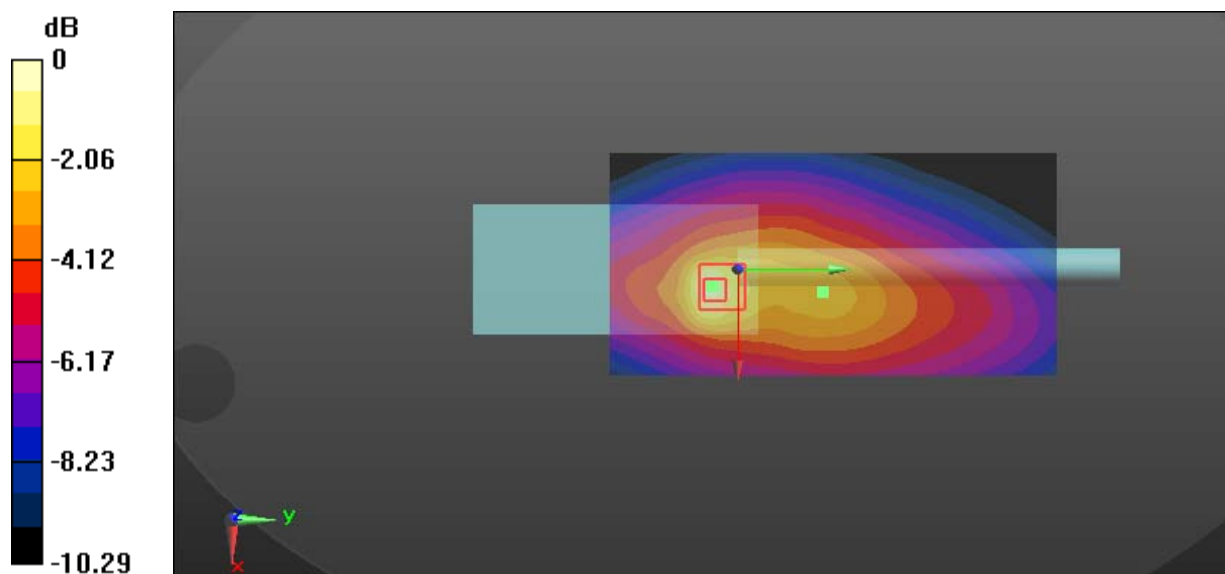
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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



0 dB = 4.23 W/kg = 6.26 dBW/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/m<sup>3</sup>

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

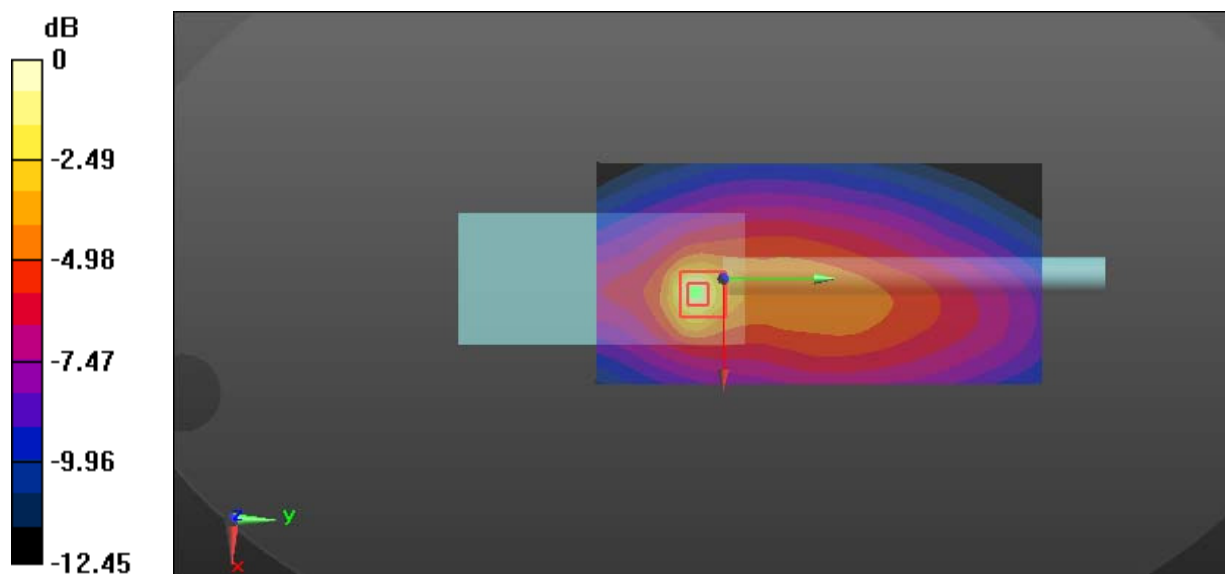
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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/m<sup>3</sup>

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

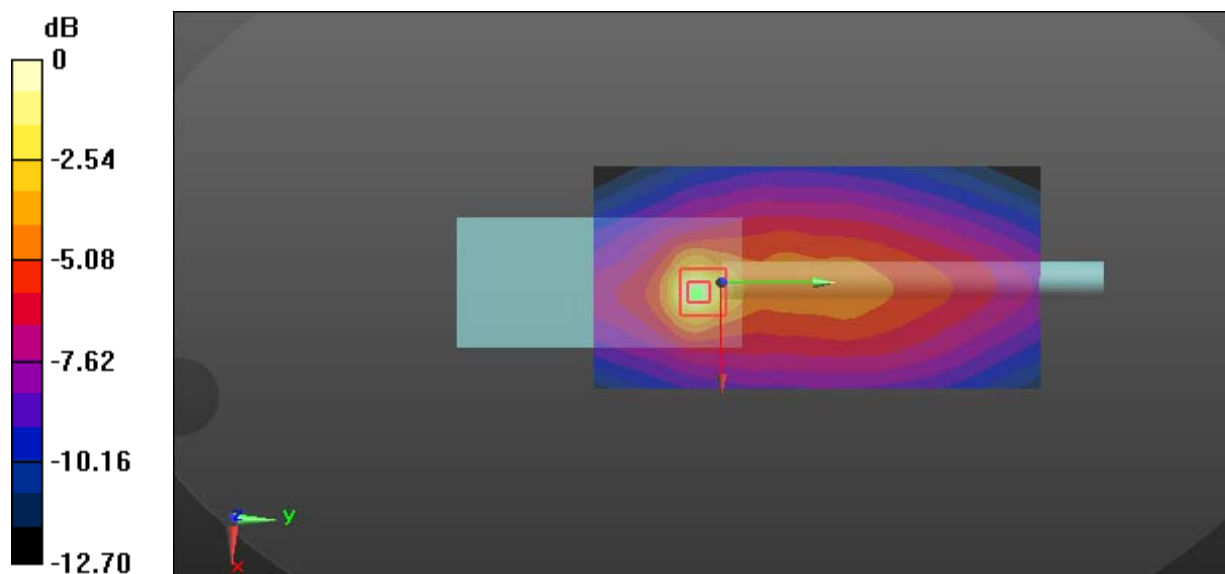
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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:  $f = 155$  MHz;  $\sigma = 0.815$  S/m;  $\epsilon_r = 60.951$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 7.52 W/kg

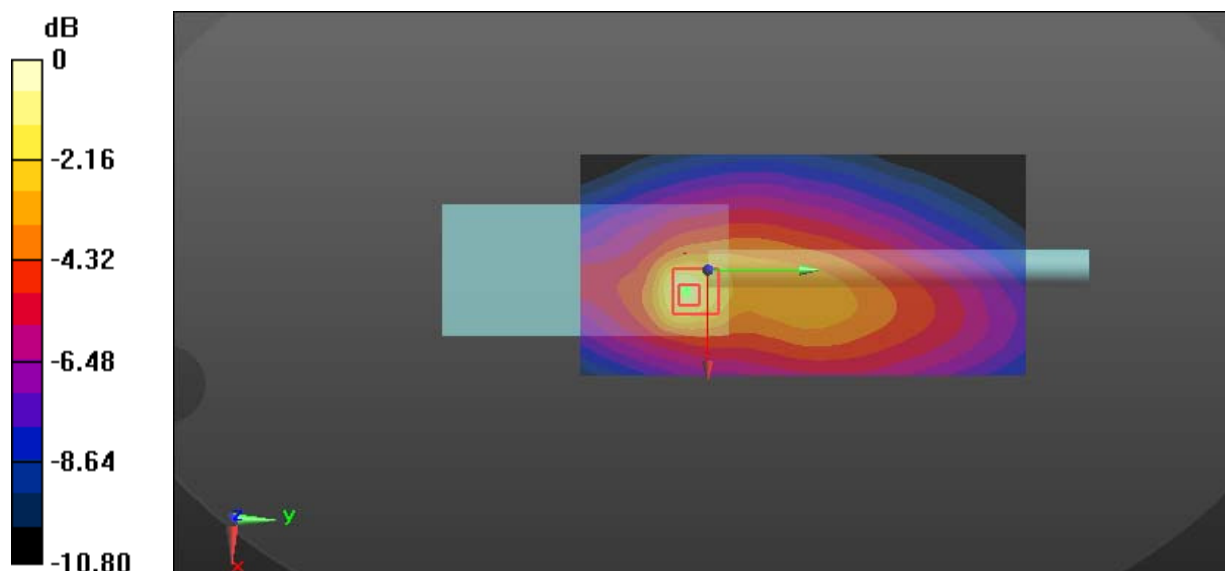
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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 dB = 9.04 W/kg = 9.56 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:  $f = 164$  MHz;  $\sigma = 0.813$  S/m;  $\epsilon_r = 60.97$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 7.81 W/kg

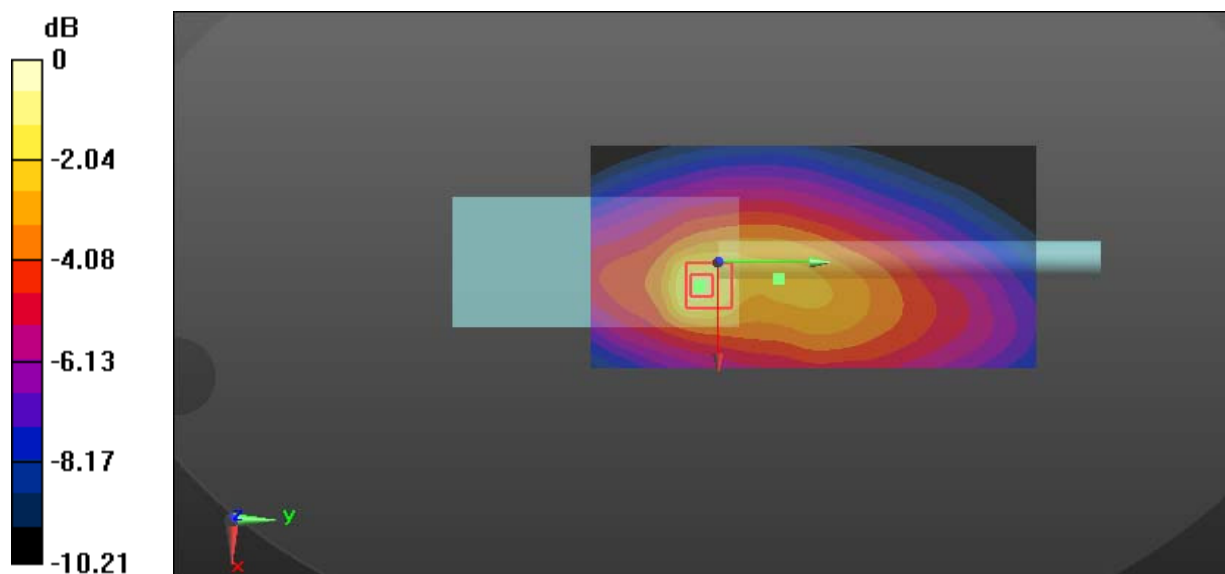
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

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 dB = 9.80 W/kg = 9.91 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

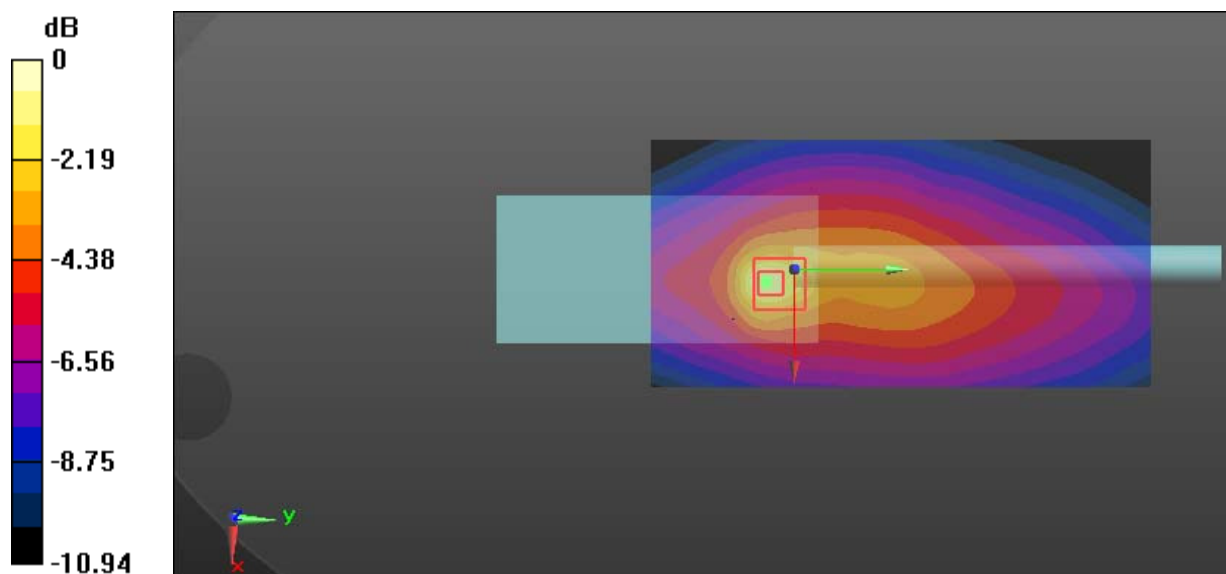
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

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 dB = 5.13 W/kg = 7.10 dBW/kg

**Test Plot 14#: PTT\_4FSK 12.5kHz\_Body Back\_136.0125 MHz**

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

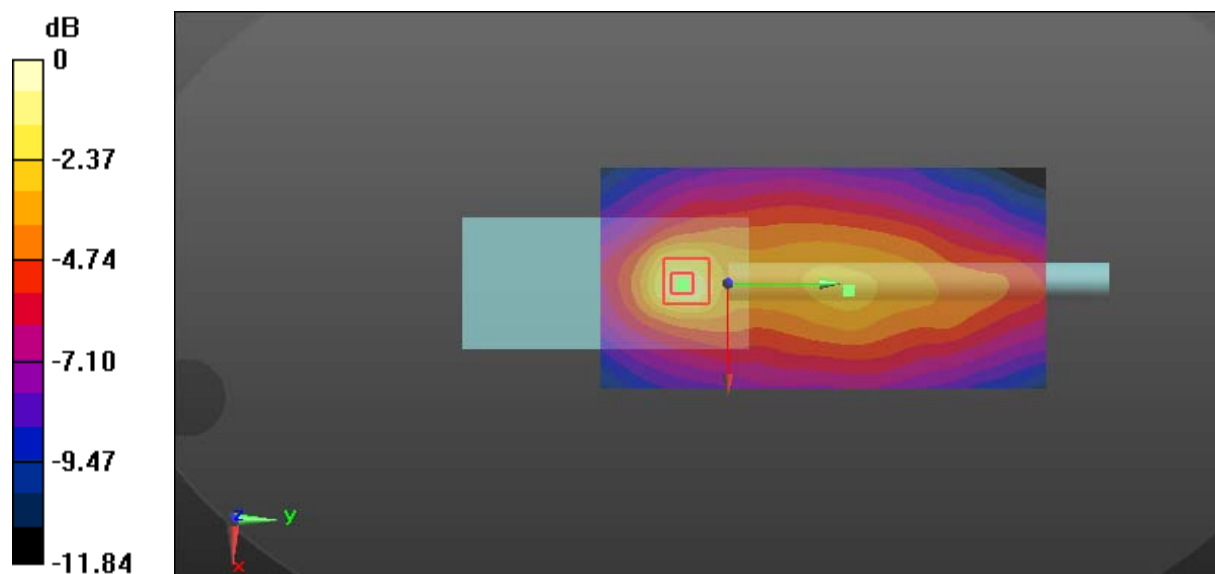
Communication System: 4FSK; Frequency: 136.012 MHz; Duty Cycle: 1:2  
 Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.787$  S/m;  $\epsilon_r = 62.092$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

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