

**Test Plot 1#: PTT\_FM 12.5kHz\_Face Up\_136.0125 MHz****DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.736$  S/m;  $\epsilon_r = 53.554$ ;  $\rho = 1000$  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 (71x151x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.94 W/kg

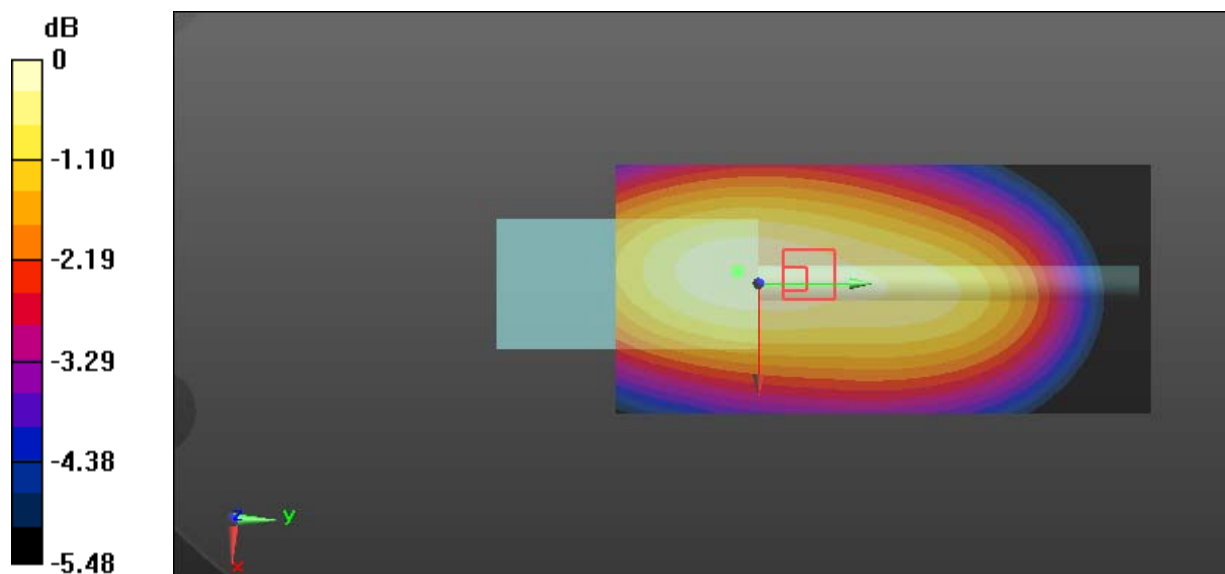
**Zoom Scan (6x9x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 64.64 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 3.57 W/kg

**SAR(1 g) = 2.82 W/kg; SAR(10 g) = 2.27 W/kg**

Maximum value of SAR (measured) = 2.98 W/kg



0 dB = 2.98 W/kg = 4.74 dBW/kg

**Test Plot 2#: PTT\_FM 25kHz\_Face Up\_136.0125 MHz**

**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

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

Medium parameters used:  $f = 136.012 \text{ MHz}$ ;  $\sigma = 0.736 \text{ S/m}$ ;  $\epsilon_r = 53.554$ ;  $\rho = 1000 \text{ kg/m}^3$

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 (71x151x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 3.27 W/kg

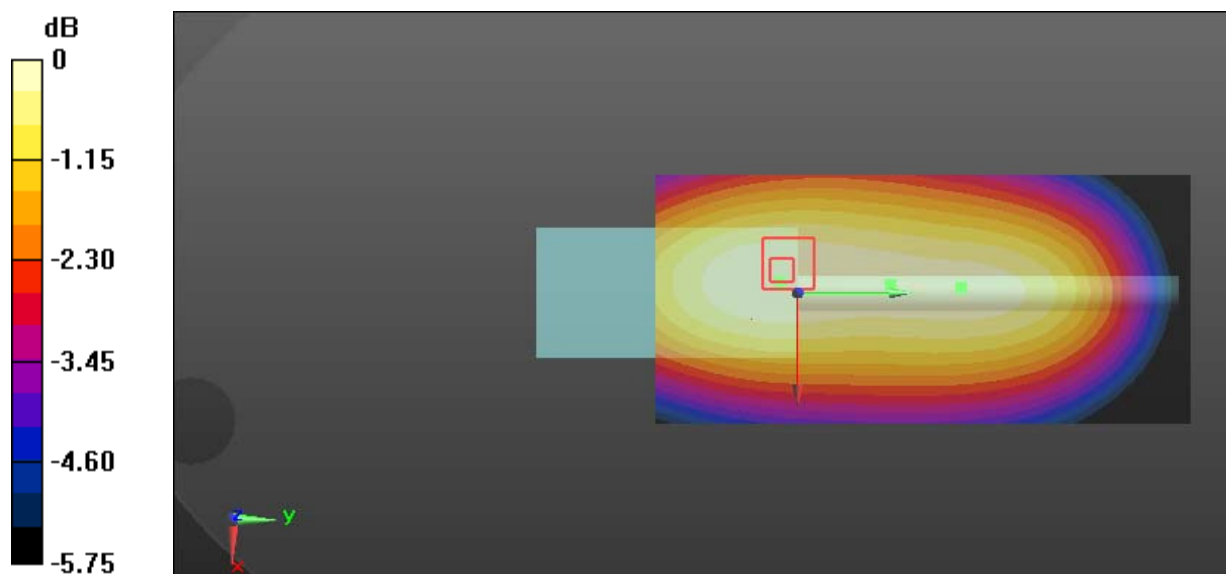
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 65.88 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 3.99 W/kg

**SAR(1 g) = 3.07 W/kg; SAR(10 g) = 2.50 W/kg**

Maximum value of SAR (measured) = 3.36 W/kg



0 dB = 3.36 W/kg = 5.26 dBW/kg

**Test Plot 3#: PTT\_4FSK 12.5kHz\_Face Up\_136.0125 MHz****DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.736$  S/m;  $\epsilon_r = 53.554$ ;  $\rho = 1000$  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 (71x151x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.34 W/kg

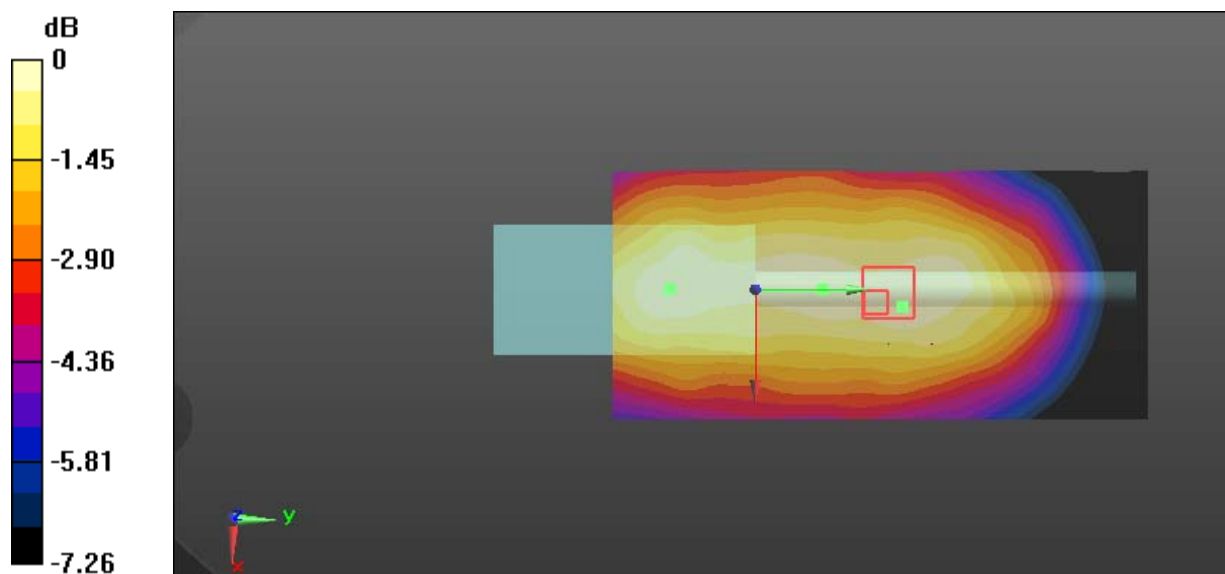
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 49.92 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 3.06 W/kg

**SAR(1 g) = 1.76 W/kg; SAR(10 g) = 1.36 W/kg**

Maximum value of SAR (measured) = 2.38 W/kg



**Test Plot 4#: PTT\_FM 12.5kHz\_Body Back\_136.0125 MHz****DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.792$  S/m;  $\epsilon_r = 61.378$ ;  $\rho = 1000$  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 (71x151x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 21.0 W/kg

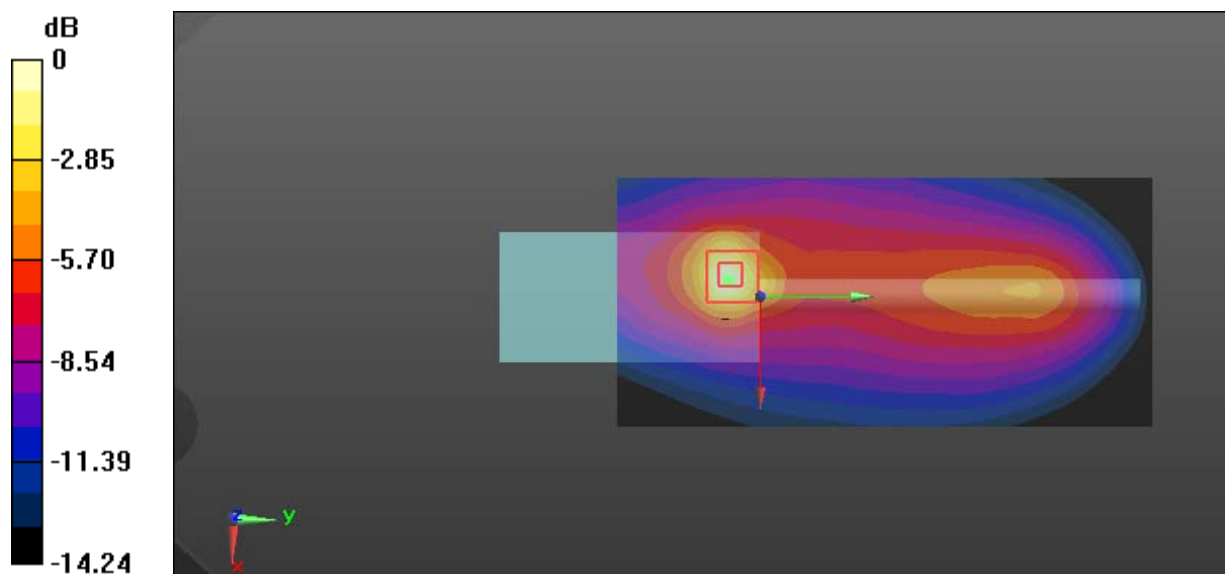
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 79.78 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 42.0 W/kg

**SAR(1 g) = 10 W/kg; SAR(10 g) = 4.97 W/kg**

Maximum value of SAR (measured) = 20.7 W/kg



0 dB = 20.7 W/kg = 13.16 dBW/kg

**Test Plot 5#: PTT\_FM 12.5kHz\_Body Back\_143 MHz****DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 143 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 143$  MHz;  $\sigma = 0.794$  S/m;  $\epsilon_r = 61.282$ ;  $\rho = 1000$  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 (71x151x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 14.1 W/kg

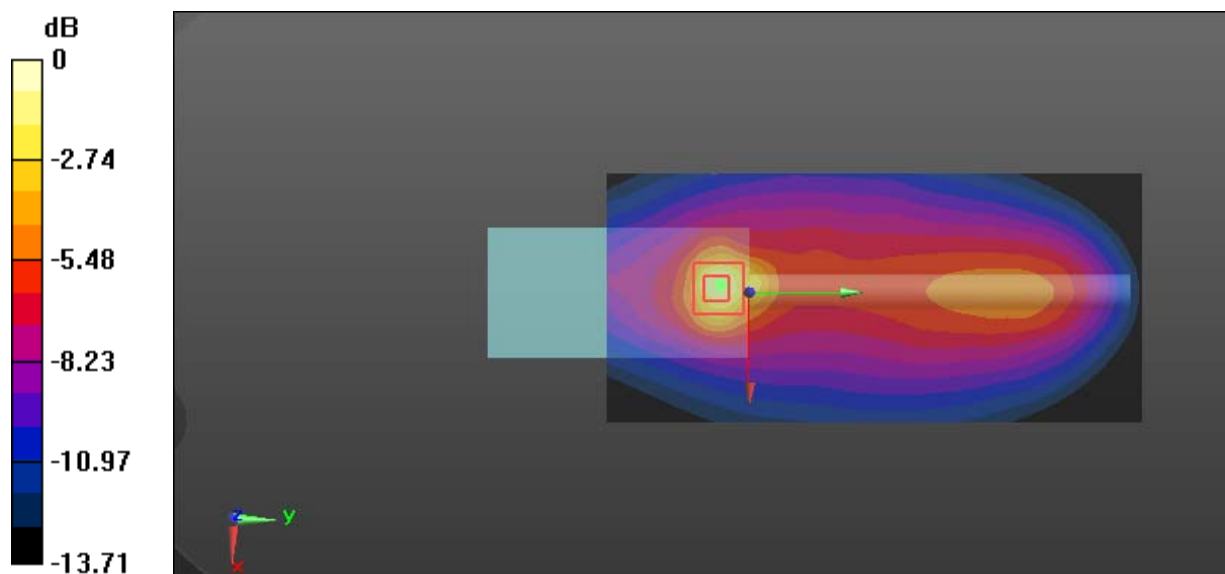
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 81.37 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 35.8 W/kg

**SAR(1 g) = 8.14 W/kg; SAR(10 g) = 4.09 W/kg**

Maximum value of SAR (measured) = 16.9 W/kg



0 dB = 16.9 W/kg = 12.28 dBW/kg

**Test Plot 6#: PTT\_FM 12.5kHz\_Body Back\_149.9875 MHz****DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 149.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 149.988$  MHz;  $\sigma = 0.809$  S/m;  $\epsilon_r = 61.148$ ;  $\rho = 1000$  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 (71x151x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 12.7 W/kg

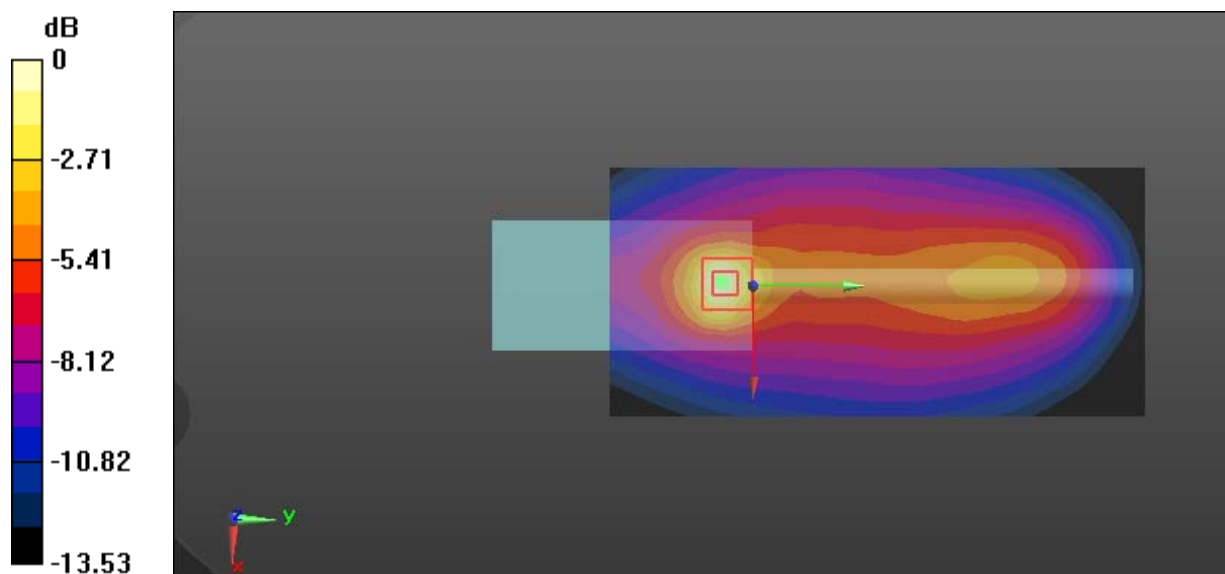
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 70.57 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 24.6 W/kg

**SAR(1 g) = 6.18 W/kg; SAR(10 g) = 3.21 W/kg**

Maximum value of SAR (measured) = 12.9 W/kg



0 dB = 12.9 W/kg = 11.11 dBW/kg

**Test Plot 7#: PTT\_FM 25kHz\_Body Back\_136.0125 MHz****DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.792$  S/m;  $\epsilon_r = 61.378$ ;  $\rho = 1000$  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 (71x151x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 12.1 W/kg

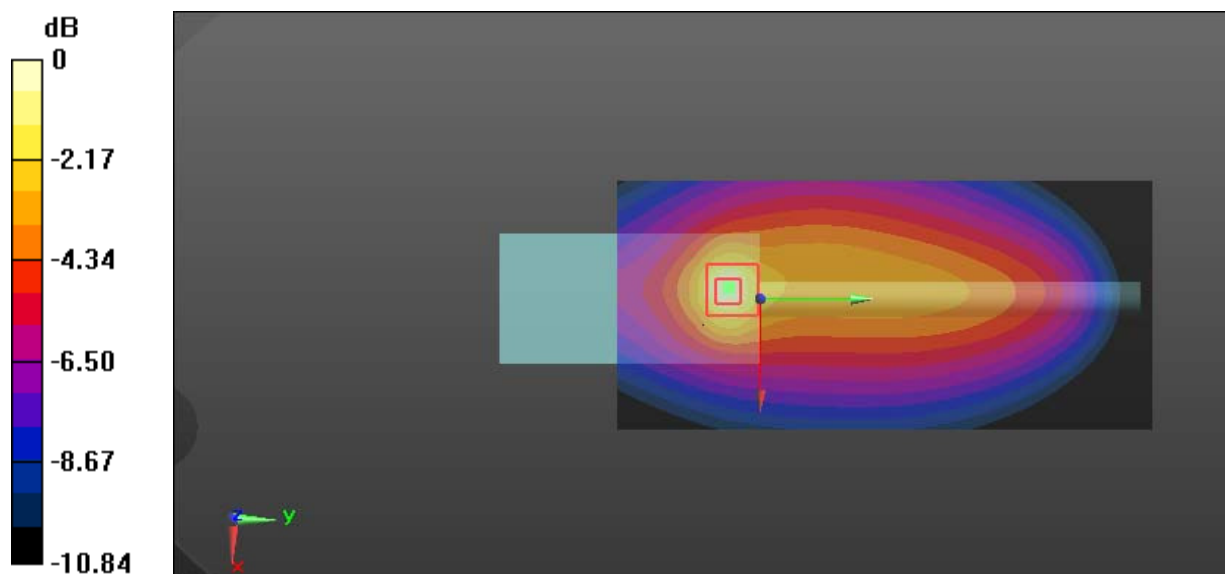
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 92.59 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 24.5 W/kg

**SAR(1 g) = 10.6 W/kg; SAR(10 g) = 5.85 W/kg**

Maximum value of SAR (measured) = 11.7 W/kg



**Test Plot 8#: PTT\_FM 25kHz\_Body Back\_143 MHz****DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 143 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 143$  MHz;  $\sigma = 0.794$  S/m;  $\epsilon_r = 61.282$ ;  $\rho = 1000$  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 (71x151x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

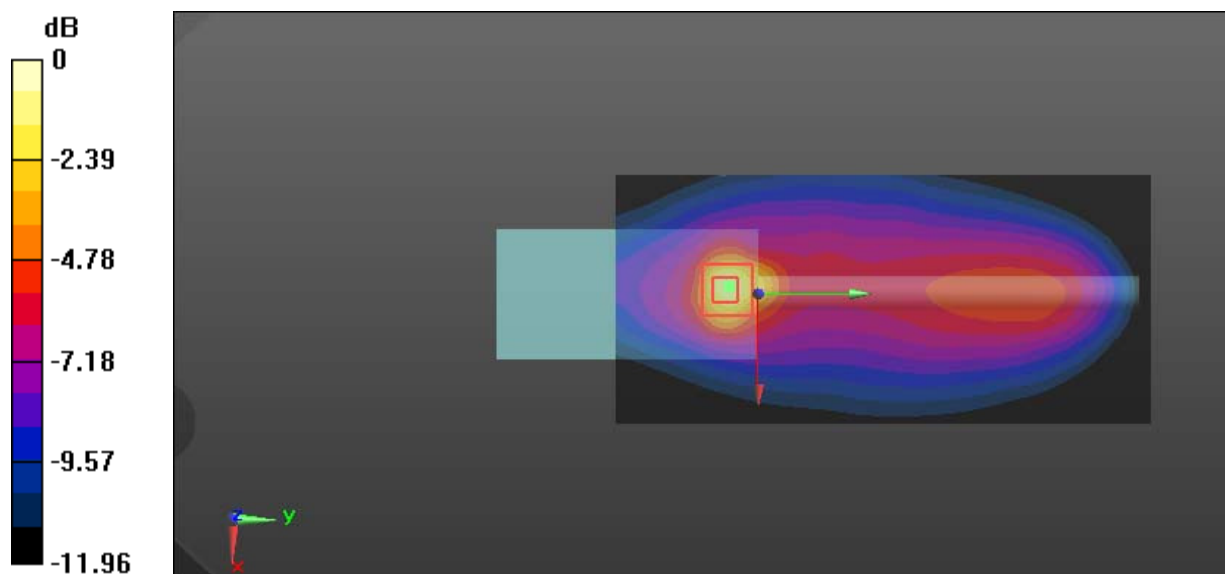
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 81.74 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 37.1 W/kg

**SAR(1 g) = 8.43 W/kg; SAR(10 g) = 4.23 W/kg**

Maximum value of SAR (measured) = 17.5 W/kg





**Test Plot 9#: PTT\_FM 25kHz\_Body Back\_149.9875 MHz**

**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 149.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 149.988 \text{ MHz}$ ;  $\sigma = 0.809 \text{ S/m}$ ;  $\epsilon_r = 61.148$ ;  $\rho = 1000 \text{ kg/m}^3$

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 (71x151x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 12.4 W/kg

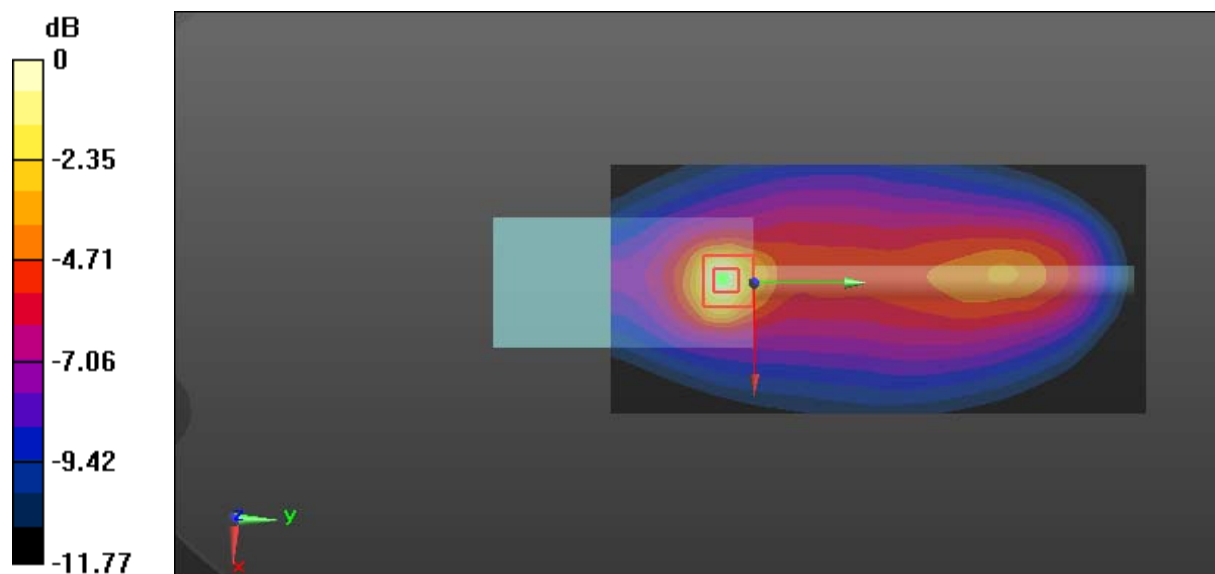
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 70.12 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 24.3 W/kg

**SAR(1 g) = 6.09 W/kg; SAR(10 g) = 3.21 W/kg**

Maximum value of SAR (measured) = 12.8 W/kg



0 dB = 12.8 W/kg = 11.07 dBW/kg

**Test Plot 10#: PTT\_4FSK 12.5kHz\_Body Back\_136.0125 MHz****DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.792$  S/m;  $\epsilon_r = 61.378$ ;  $\rho = 1000$  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 (71x151x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.81 W/kg

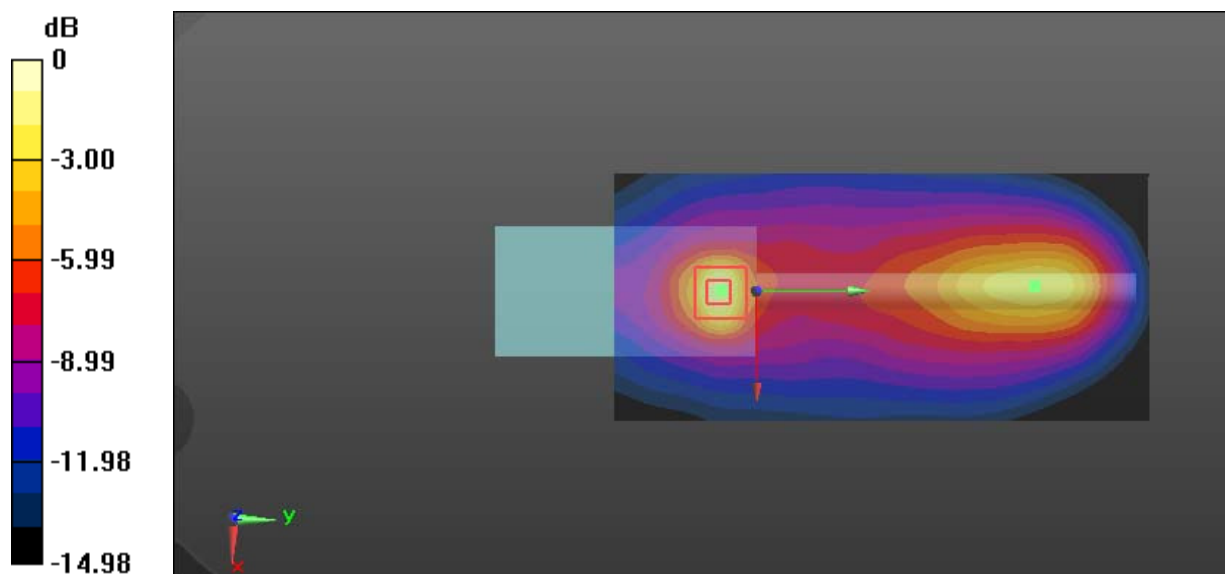
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.21 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 21.1 W/kg

**SAR(1 g) = 5.27 W/kg; SAR(10 g) = 2.49 W/kg**

Maximum value of SAR (measured) = 11.9 W/kg



0 dB = 11.9 W/kg = 10.76 dBW/kg

**Test Plot 11#: PTT\_FM 12.5kHz\_Face Up\_146.0125 MHz****DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 146.012 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 146.012$  MHz;  $\sigma = 0.747$  S/m;  $\epsilon_r = 53.386$ ;  $\rho = 1000$  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 (71x151x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.79 W/kg

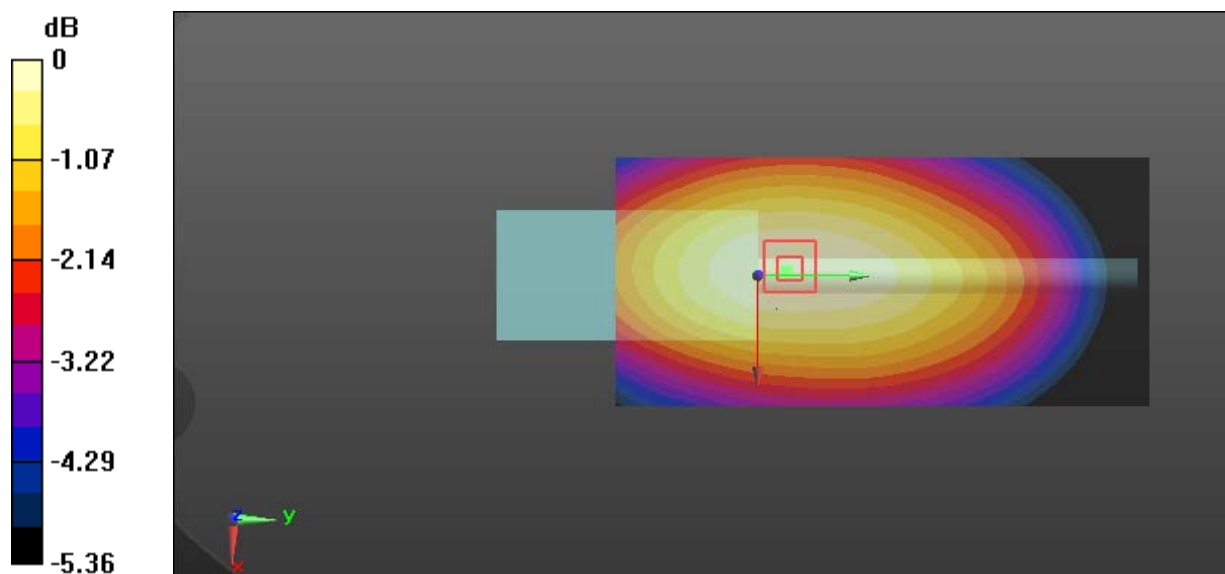
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 72.68 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 4.26 W/kg

**SAR(1 g) = 3.37 W/kg; SAR(10 g) = 2.73 W/kg**

Maximum value of SAR (measured) = 3.76 W/kg



0 dB = 3.76 W/kg = 5.75 dBW/kg

**Test Plot 12#: PTT\_FM 25kHz\_Face Up\_146.0125 MHz**

**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 146.012 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 146.012$  MHz;  $\sigma = 0.747$  S/m;  $\epsilon_r = 53.386$ ;  $\rho = 1000$  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 (71x151x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.94 W/kg

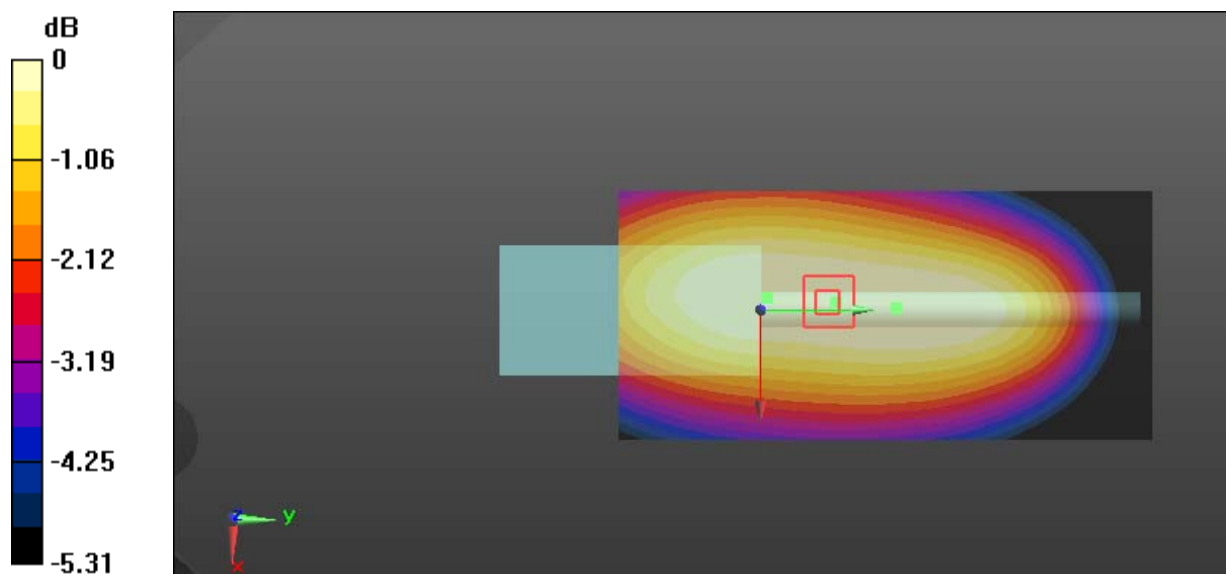
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 74.52 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 4.55 W/kg

**SAR(1 g) = 3.67 W/kg; SAR(10 g) = 2.97 W/kg**

Maximum value of SAR (measured) = 3.80 W/kg



0 dB = 3.80 W/kg = 5.80 dBW/kg

**Test Plot 13#: PTT\_4FSK 12.5kHz\_Face Up\_146.0125 MHz****DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: 4FSK; Frequency: 146.012 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 146.012$  MHz;  $\sigma = 0.747$  S/m;  $\epsilon_r = 53.386$ ;  $\rho = 1000$  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 (71x151x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.43 W/kg

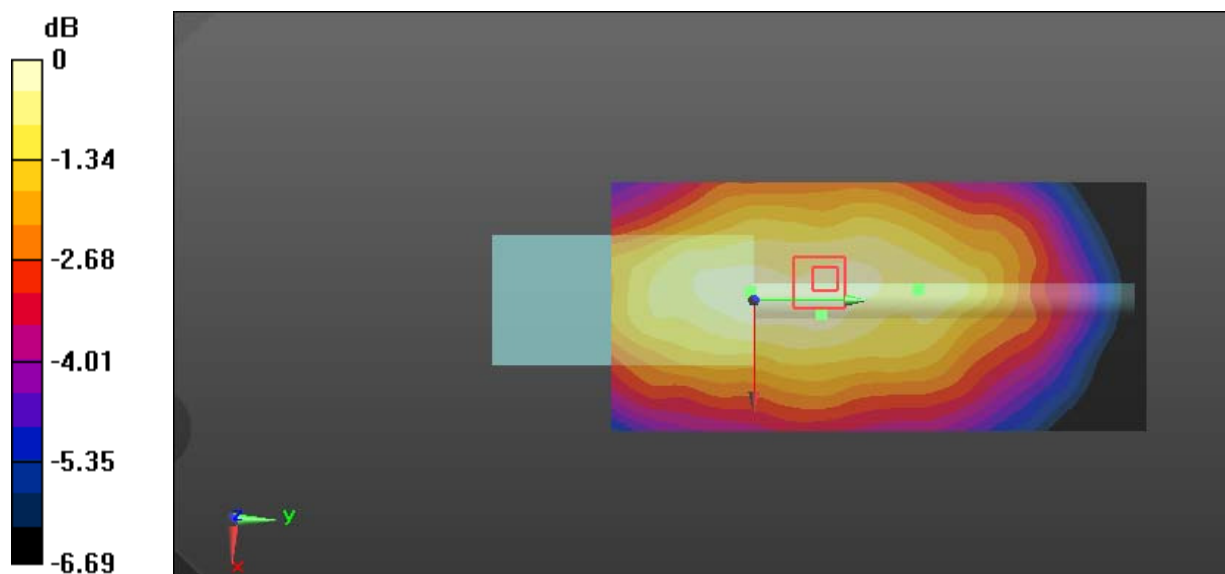
**Zoom Scan (6x9x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 51.65 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.96 W/kg

**SAR(1 g) = 1.96 W/kg; SAR(10 g) = 1.55 W/kg**

Maximum value of SAR (measured) = 2.51 W/kg



0 dB = 2.51 W/kg = 4.00 dBW/kg

**Test Plot 14#: PTT\_FM 12.5kHz\_Body Back\_146.0125 MHz****DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 146.012 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 146.012$  MHz;  $\sigma = 0.805$  S/m;  $\epsilon_r = 61.187$ ;  $\rho = 1000$  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 (71x151x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 18.3 W/kg

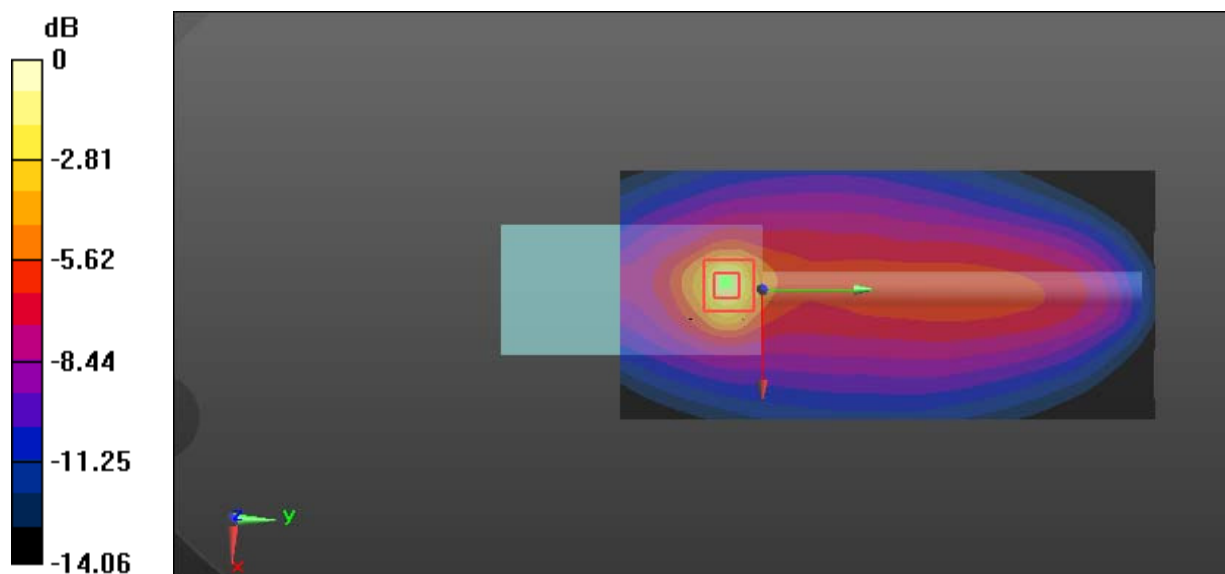
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 81.51 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 47.8 W/kg

**SAR(1 g) = 10.6 W/kg; SAR(10 g) = 5.23 W/kg**

Maximum value of SAR (measured) = 23.2 W/kg



0 dB = 23.2 W/kg = 13.65 dBW/kg

**Test Plot 5#: PTT\_FM 12.5kHz\_Body Back\_153 MHz**

**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 153 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 153 \text{ MHz}$ ;  $\sigma = 0.822 \text{ S/m}$ ;  $\epsilon_r = 61.138$ ;  $\rho = 1000 \text{ kg/m}^3$

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 (71x151x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 21.9 W/kg

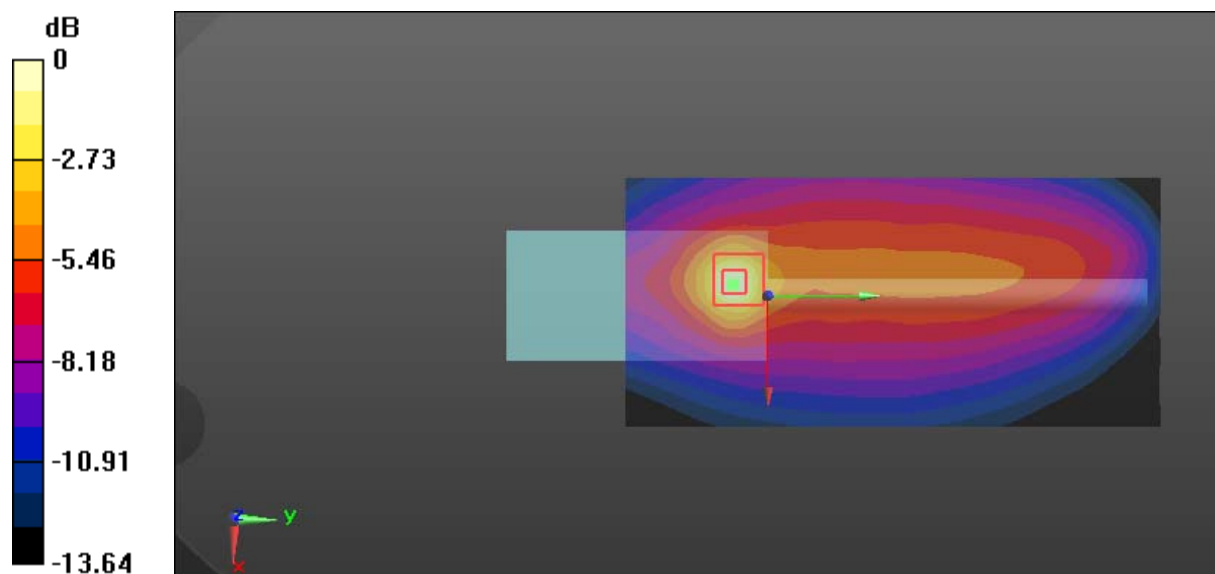
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 86.72 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 38.1 W/kg

**SAR(1 g) = 9.64 W/kg; SAR(10 g) = 5.08 W/kg**

Maximum value of SAR (measured) = 20.2 W/kg



0 dB = 20.2 W/kg = 13.05 dBW/kg

**Test Plot 16#: PTT\_FM 12.5kHz\_Body Back\_160 MHz**

**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 160 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 160 \text{ MHz}$ ;  $\sigma = 0.811 \text{ S/m}$ ;  $\epsilon_r = 61.128$ ;  $\rho = 1000 \text{ kg/m}^3$

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 (71x131x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 7.69 W/kg

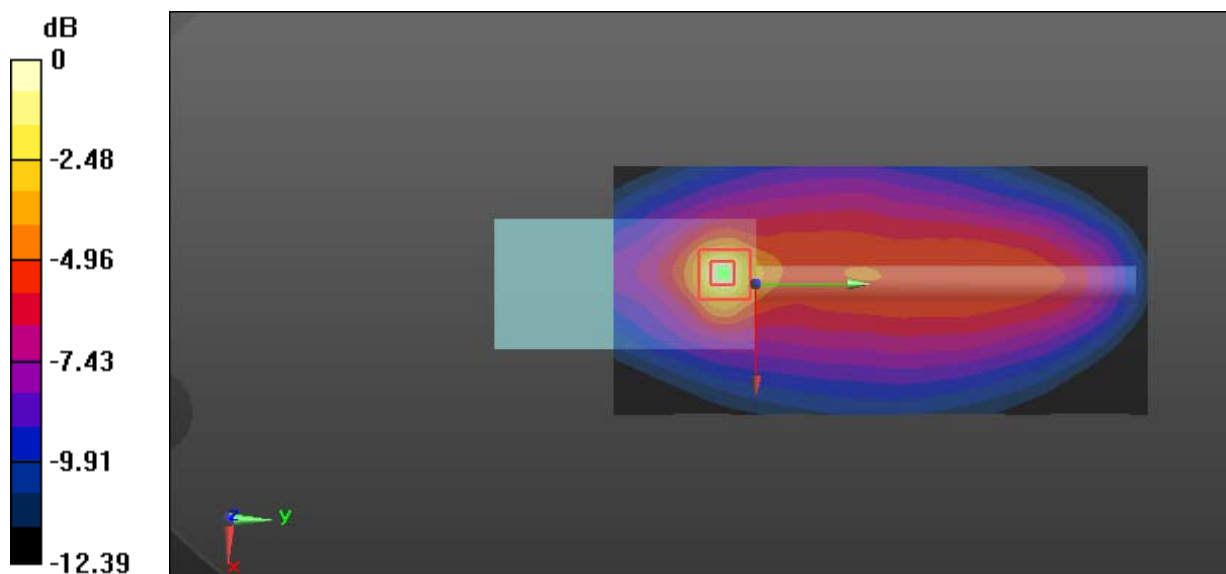
**Zoom Scan (6x9x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 64.62 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 12.8 W/kg

**SAR(1 g) = 7.26 W/kg; SAR(10 g) = 4.62 W/kg**

Maximum value of SAR (measured) = 7.69 W/kg



0 dB = 7.69 W/kg = 8.86 dBW/kg



**Test Plot 17#: PTT\_FM 12.5kHz\_Body Back\_167 MHz**

**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 167 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 167 \text{ MHz}$ ;  $\sigma = 0.825 \text{ S/m}$ ;  $\epsilon_r = 61.043$ ;  $\rho = 1000 \text{ kg/m}^3$

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 (71x151x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 5.73 W/kg

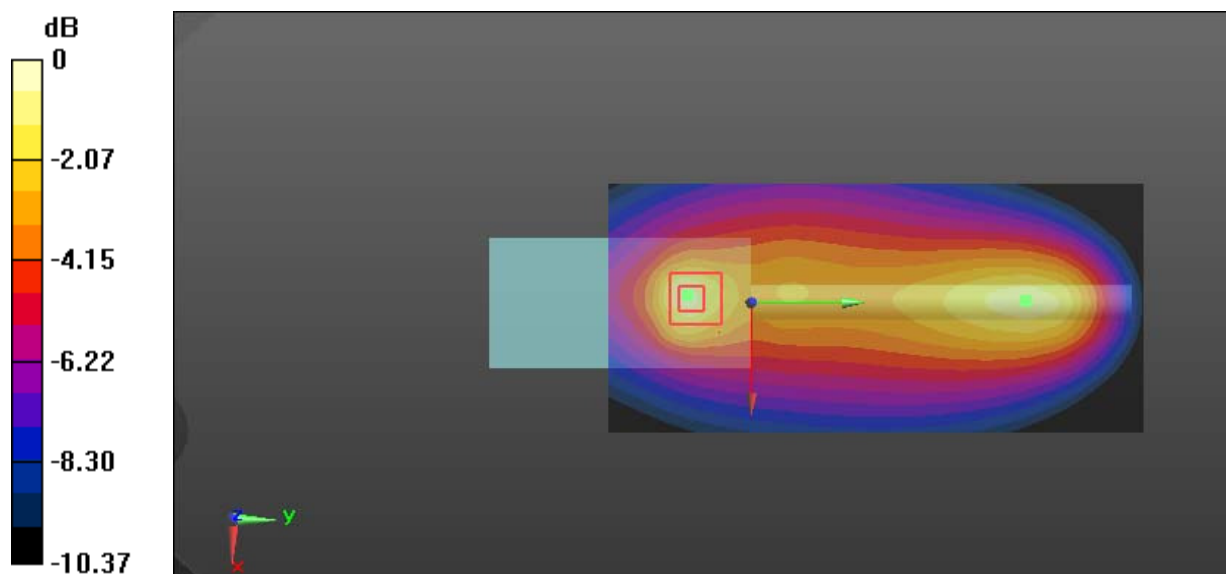
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 58.04 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 12.5 W/kg

**SAR(1 g) = 5.22 W/kg; SAR(10 g) = 2.87 W/kg**

Maximum value of SAR (measured) = 5.69 W/kg



0 dB = 5.69 W/kg = 7.55 dBW/kg

**Test Plot 18#: PTT\_FM 12.5kHz\_Body Back\_173.9875 MHz**

**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

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

Medium parameters used:  $f = 173.988 \text{ MHz}$ ;  $\sigma = 0.836 \text{ S/m}$ ;  $\epsilon_r = 60.806$ ;  $\rho = 1000 \text{ kg/m}^3$

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 (71x151x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 4.24 W/kg

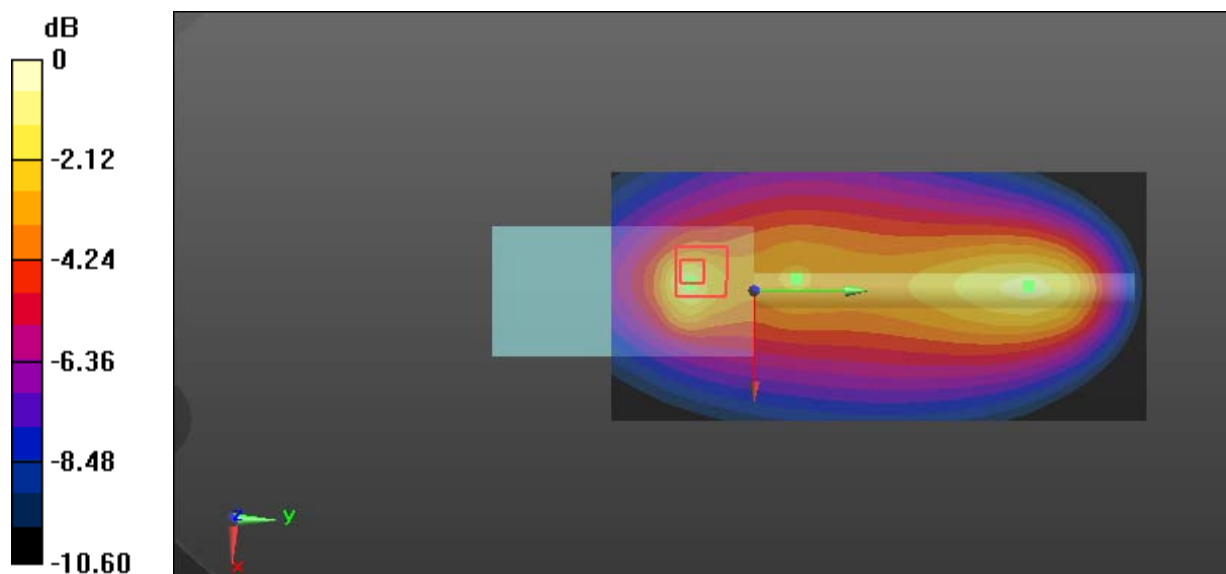
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 48.53 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 8.21 W/kg

**SAR(1 g) = 3.84 W/kg; SAR(10 g) = 2.31 W/kg**

Maximum value of SAR (measured) = 4.15 W/kg



0 dB = 4.15 W/kg = 6.18 dBW/kg

**Test Plot 19#: PTT\_FM 25kHz\_Body Back\_146.0125 MHz****DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 146.012 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 146.012$  MHz;  $\sigma = 0.805$  S/m;  $\epsilon_r = 61.187$ ;  $\rho = 1000$  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 (71x151x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 12.1 W/kg

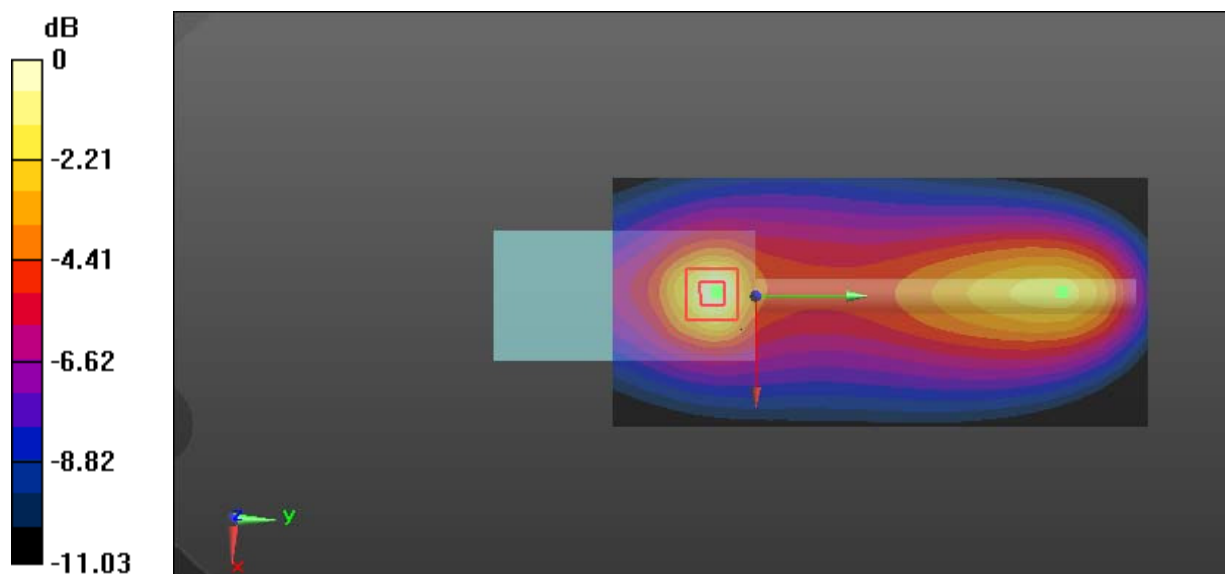
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 81.38 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 32.2 W/kg

**SAR(1 g) = 11.4 W/kg; SAR(10 g) = 5.82 W/kg**

Maximum value of SAR (measured) = 12.1 W/kg



0 dB = 12.1 W/kg = 10.83 dBW/kg

**Test Plot 20#: PTT\_FM 25kHz\_Body Back\_153 MHz****DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 153 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 153$  MHz;  $\sigma = 0.822$  S/m;  $\epsilon_r = 61.138$ ;  $\rho = 1000$  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 (71x151x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 10.9 W/kg

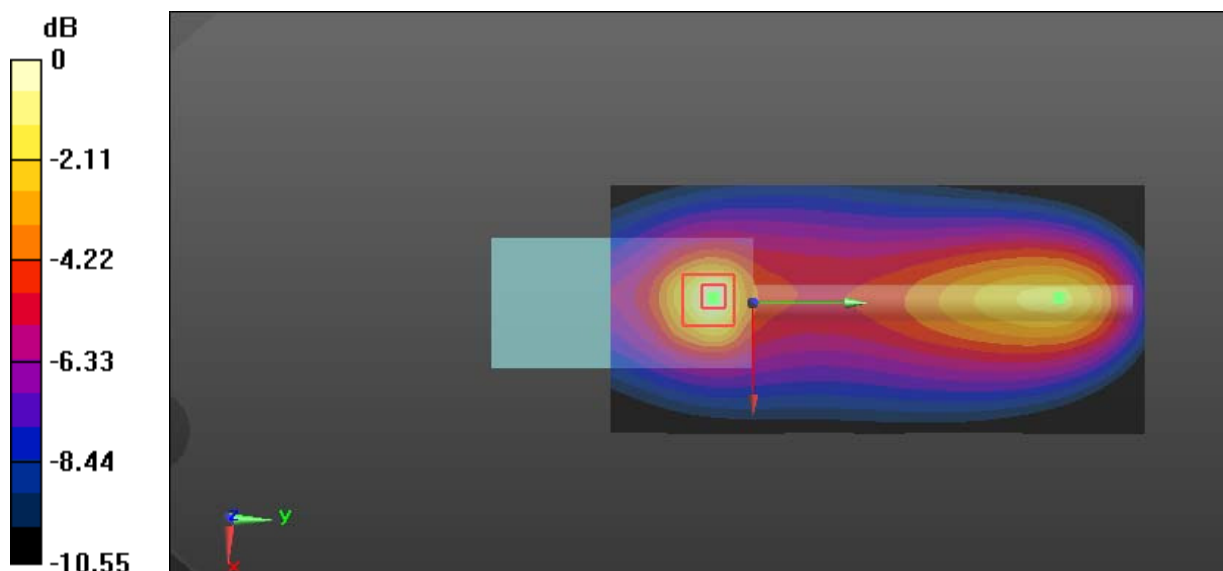
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 67.59 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 28.4 W/kg

**SAR(1 g) = 10.4 W/kg; SAR(10 g) = 5.42 W/kg**

Maximum value of SAR (measured) = 11.1 W/kg



**Test Plot 21#: PTT\_FM 25kHz\_Body Back\_160 MHz****DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 160 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 160$  MHz;  $\sigma = 0.811$  S/m;  $\epsilon_r = 61.128$ ;  $\rho = 1000$  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 (71x151x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.10 W/kg

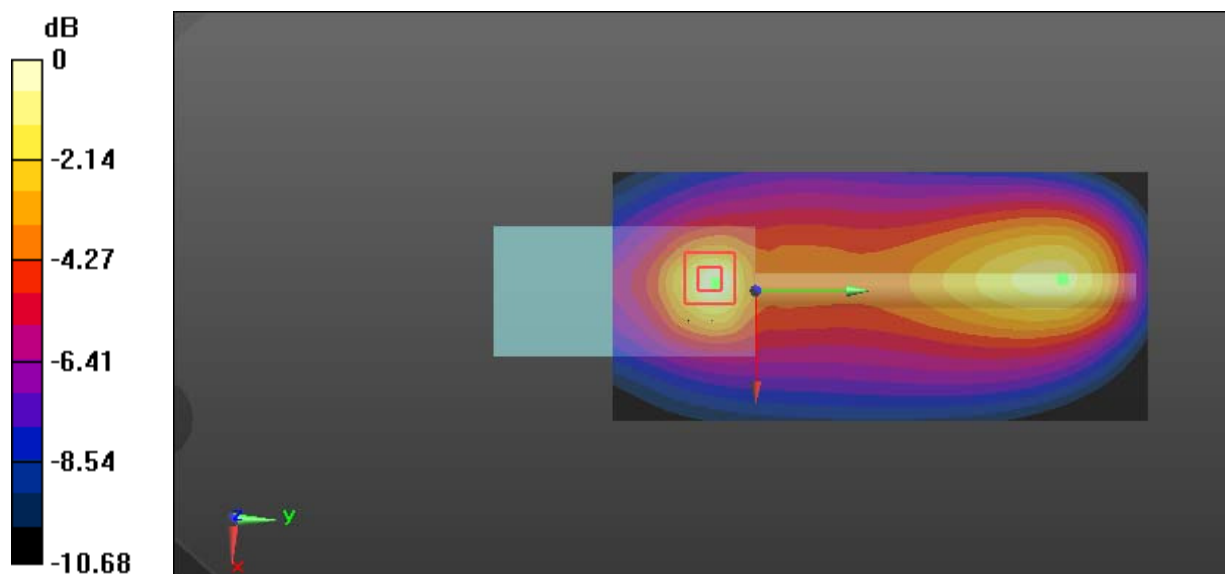
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 71.83 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 21.4 W/kg

**SAR(1 g) = 7.59 W/kg; SAR(10 g) = 3.93 W/kg**

Maximum value of SAR (measured) = 8.18 W/kg



0 dB = 8.18 W/kg = 9.13 dBW/kg

**Test Plot 22#: PTT\_FM 25kHz\_Body Back\_167 MHz****DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 167 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 167$  MHz;  $\sigma = 0.825$  S/m;  $\epsilon_r = 61.043$ ;  $\rho = 1000$  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 (71x151x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.86 W/kg

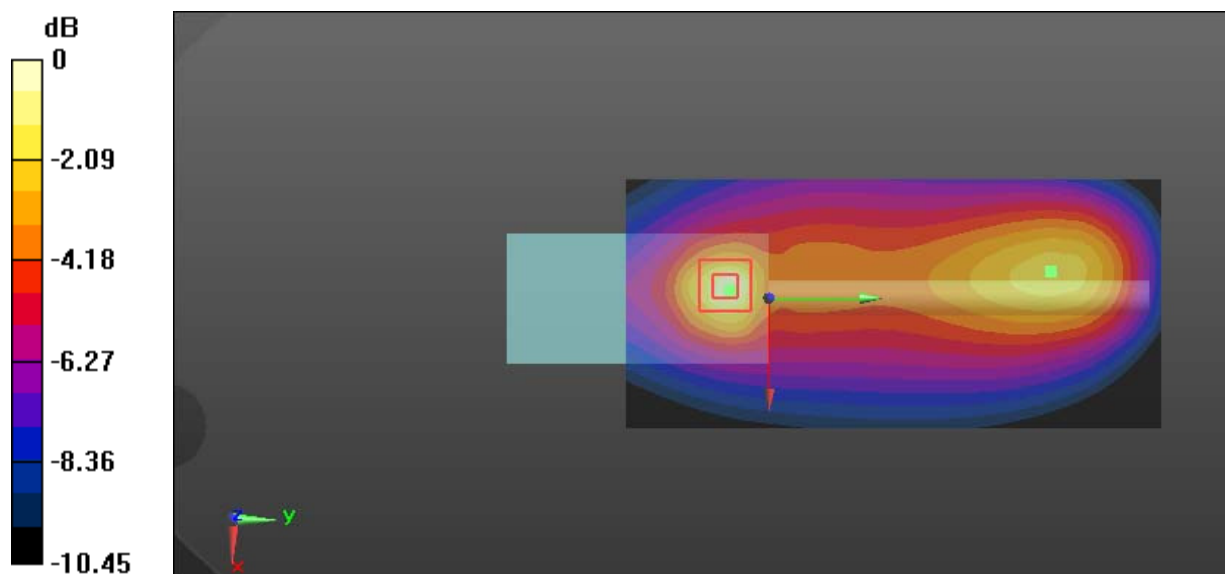
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 56.32 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 14.8 W/kg

**SAR(1 g) = 5.58 W/kg; SAR(10 g) = 2.96 W/kg**

Maximum value of SAR (measured) = 5.93 W/kg



0 dB = 5.93 W/kg = 7.73 dBW/kg

**Test Plot 23#: PTT\_FM 25kHz\_Body Back\_173.9875 MHz**

**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

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

Medium parameters used:  $f = 173.988 \text{ MHz}$ ;  $\sigma = 0.836 \text{ S/m}$ ;  $\epsilon_r = 60.806$ ;  $\rho = 1000 \text{ kg/m}^3$

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 (71x151x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 4.44 W/kg

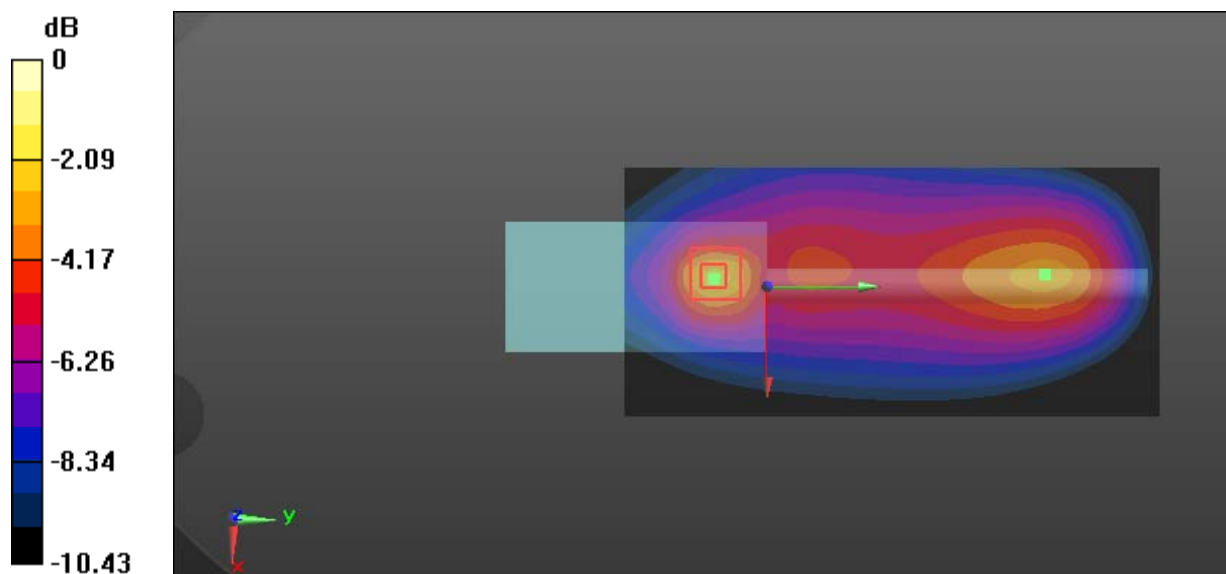
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 41.45 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 10.4 W/kg

**SAR(1 g) = 4.02 W/kg; SAR(10 g) = 2.18 W/kg**

Maximum value of SAR (measured) = 4.38 W/kg



0 dB = 4.38 W/kg = 6.41 dBW/kg

**Test Plot 24#: PTT\_4FSK 12.5kHz\_Body Back\_146.0125 MHz****DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: 4FSK; Frequency: 146.012 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 146.012$  MHz;  $\sigma = 0.805$  S/m;  $\epsilon_r = 61.187$ ;  $\rho = 1000$  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 (71x151x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.60 W/kg

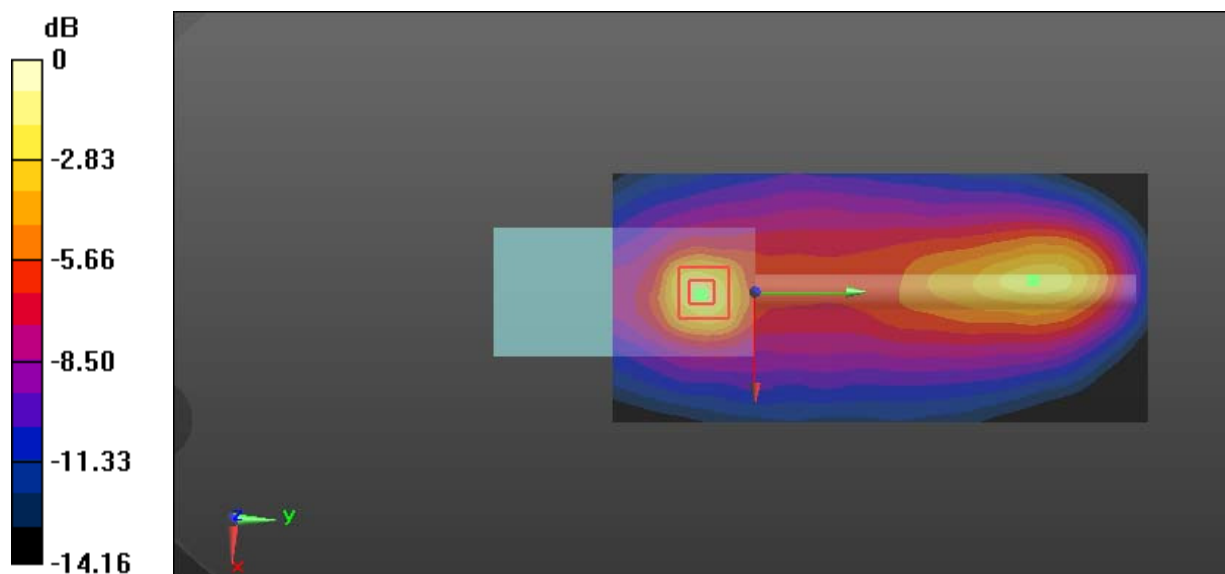
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 56.79 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 24.1 W/kg

**SAR(1 g) = 6.18 W/kg; SAR(10 g) = 3.06 W/kg**

Maximum value of SAR (measured) = 13.2 W/kg



0 dB = 13.2 W/kg = 11.21 dBW/kg