

**Test Plot 1#: PTT\_FM 12.5kHz\_Face Up\_136.0125 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.768$  S/m;  $\epsilon_r = 51.319$ ;  $\rho = 1000$  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) = 2.64 W/kg

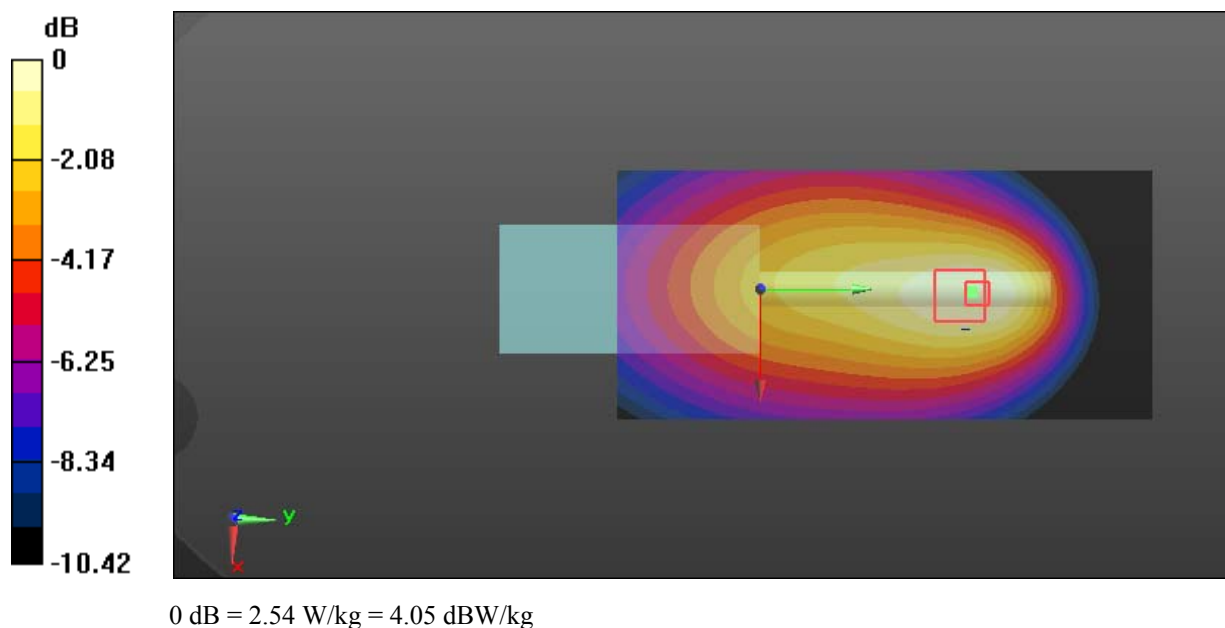
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 43.91 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 3.74 W/kg

**SAR(1 g) = 2.4 W/kg; SAR(10 g) = 1.64 W/kg**

Maximum value of SAR (measured) = 2.54 W/kg



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

**DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

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

Medium parameters used:  $f = 136.012 \text{ MHz}$ ;  $\sigma = 0.768 \text{ S/m}$ ;  $\epsilon_r = 51.319$ ;  $\rho = 1000 \text{ kg/m}^3$

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) =  $2.73 \text{ W/kg}$

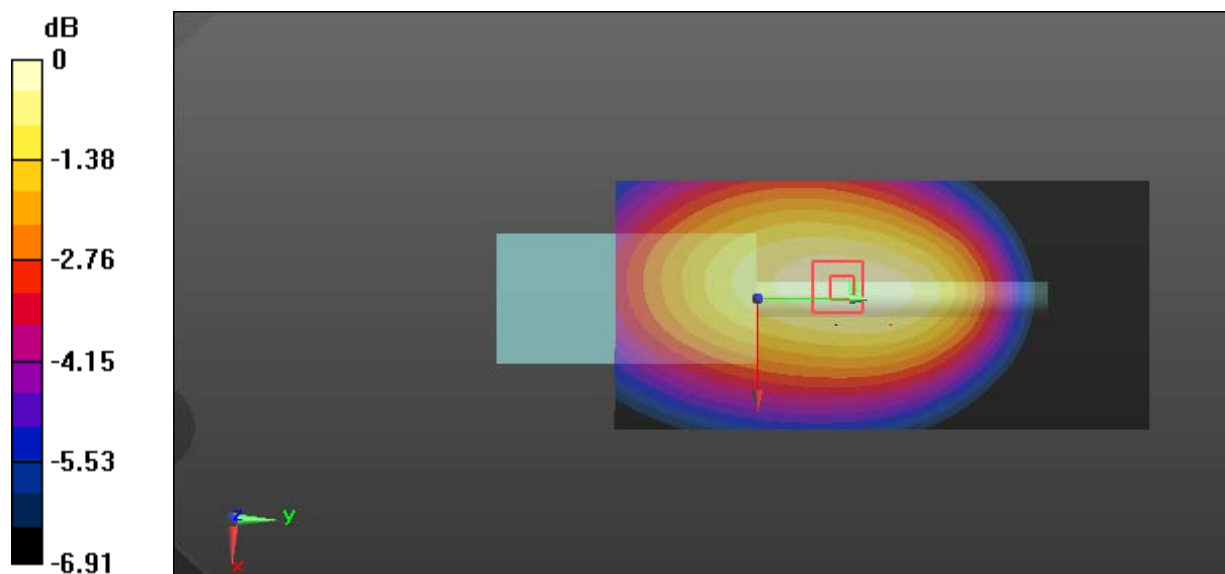
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $54.76 \text{ V/m}$ ; Power Drift =  $0.09 \text{ dB}$

Peak SAR (extrapolated) =  $3.45 \text{ W/kg}$

**SAR(1 g) =  $2.68 \text{ W/kg}$ ; SAR(10 g) =  $2.07 \text{ W/kg}$**

Maximum value of SAR (measured) =  $2.81 \text{ W/kg}$



0 dB =  $2.81 \text{ W/kg}$  =  $4.49 \text{ dBW/kg}$

**Test Plot 3#: PTT\_4FSK 12.5kHz\_Face Up\_136.0125 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.768$  S/m;  $\epsilon_r = 51.319$ ;  $\rho = 1000$  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) = 1.59 W/kg

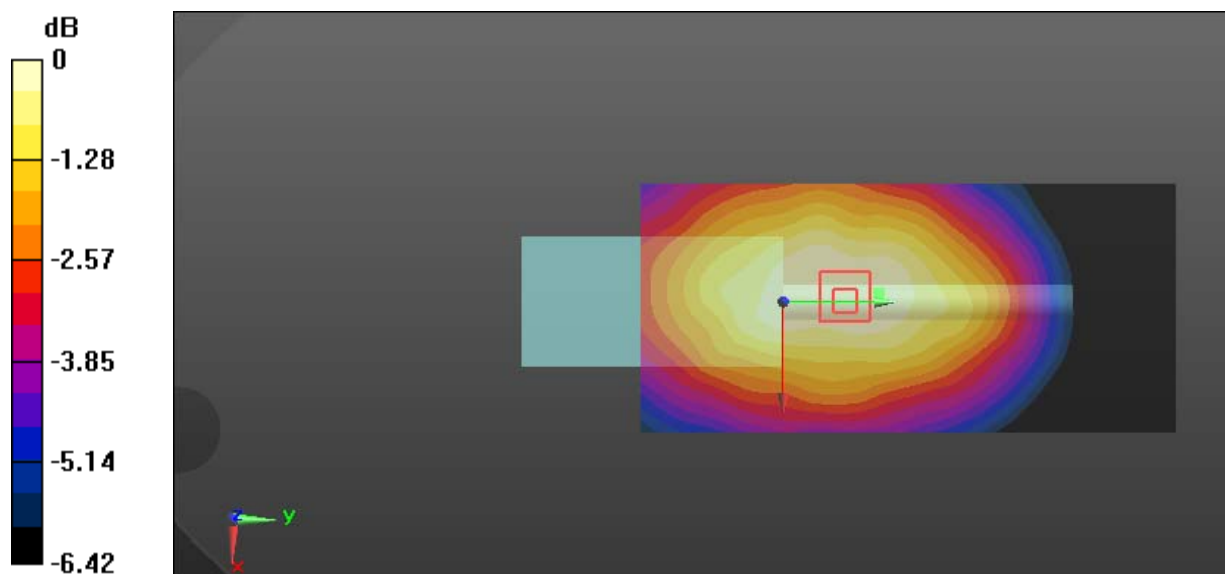
**Zoom Scan (6x7x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 45.98 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.10 W/kg

**SAR(1 g) = 1.52 W/kg; SAR(10 g) = 1.2 W/kg**

Maximum value of SAR (measured) = 1.58 W/kg



0 dB = 1.58 W/kg = 1.99 dBW/kg

**Test Plot 4#: PTT\_FM 12.5kHz\_Body Back\_136.0125 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.797$  S/m;  $\epsilon_r = 61.407$ ;  $\rho = 1000$  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) = 6.70 W/kg

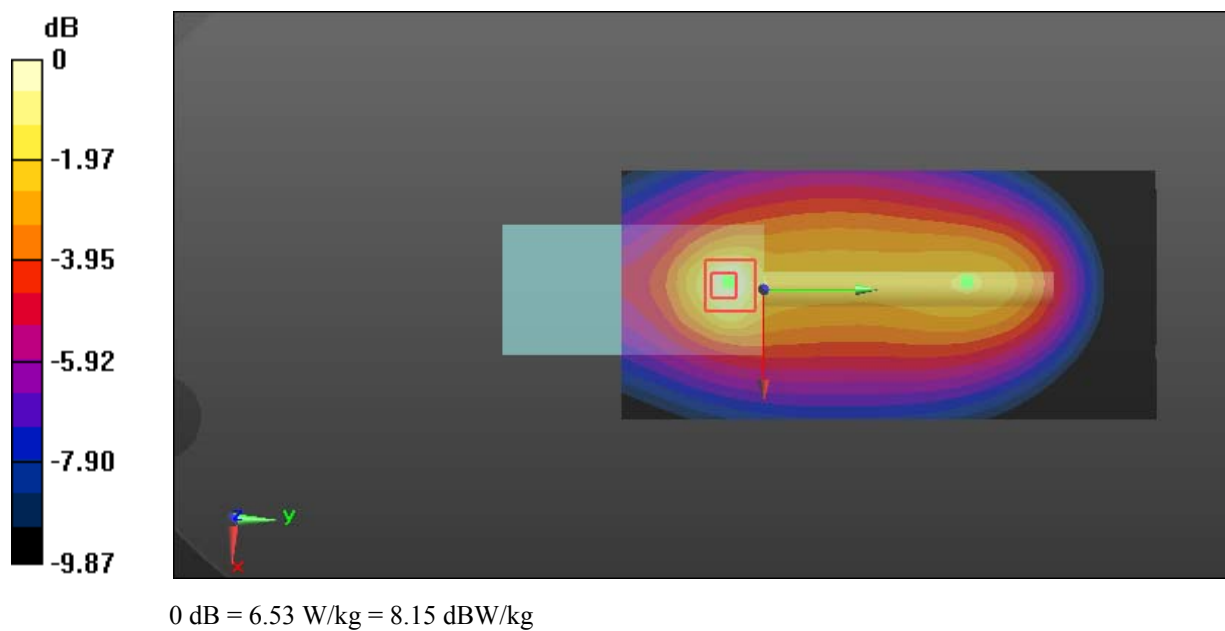
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 71.99 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 12.2 W/kg

**SAR(1 g) = 5.98 W/kg; SAR(10 g) = 3.53 W/kg**

Maximum value of SAR (measured) = 6.53 W/kg



**Test Plot 5#: PTT\_FM 25kHz\_Body Back\_136.0125 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.797$  S/m;  $\epsilon_r = 61.407$ ;  $\rho = 1000$  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) = 7.06 W/kg

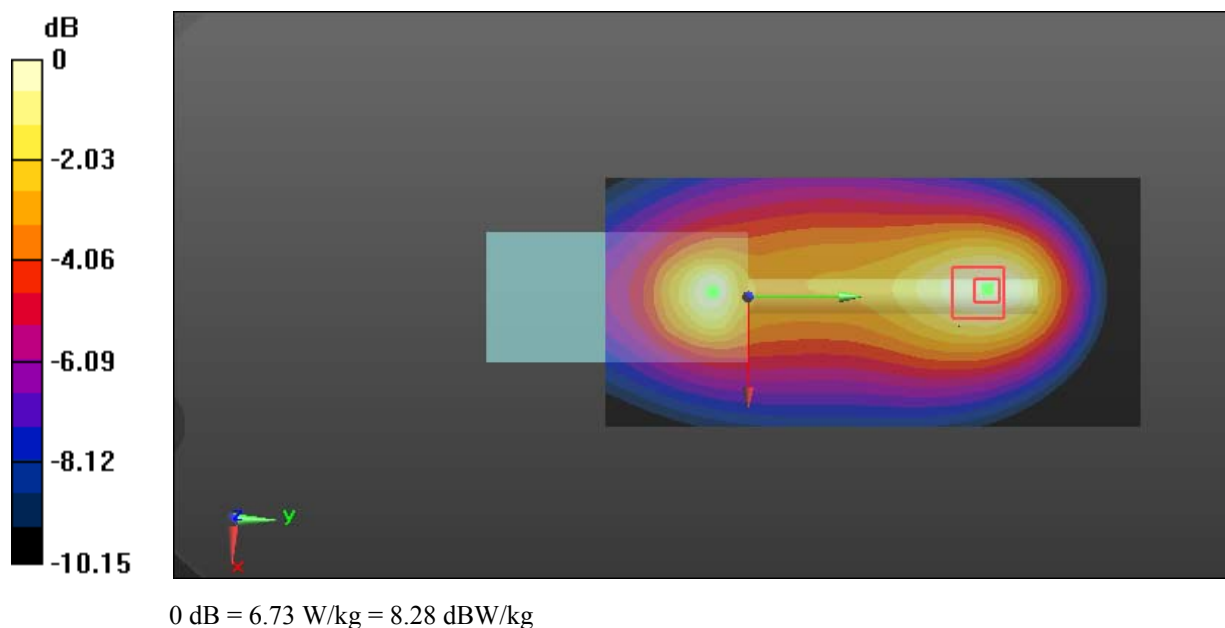
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 73.14 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 10.1 W/kg

**SAR(1 g) = 6.36 W/kg; SAR(10 g) = 4.26 W/kg**

Maximum value of SAR (measured) = 6.73 W/kg



**Test Plot 6#: PTT\_4FSK 12.5kHz\_Body Back\_136.0125 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.797$  S/m;  $\epsilon_r = 61.407$ ;  $\rho = 1000$  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) = 4.46 W/kg

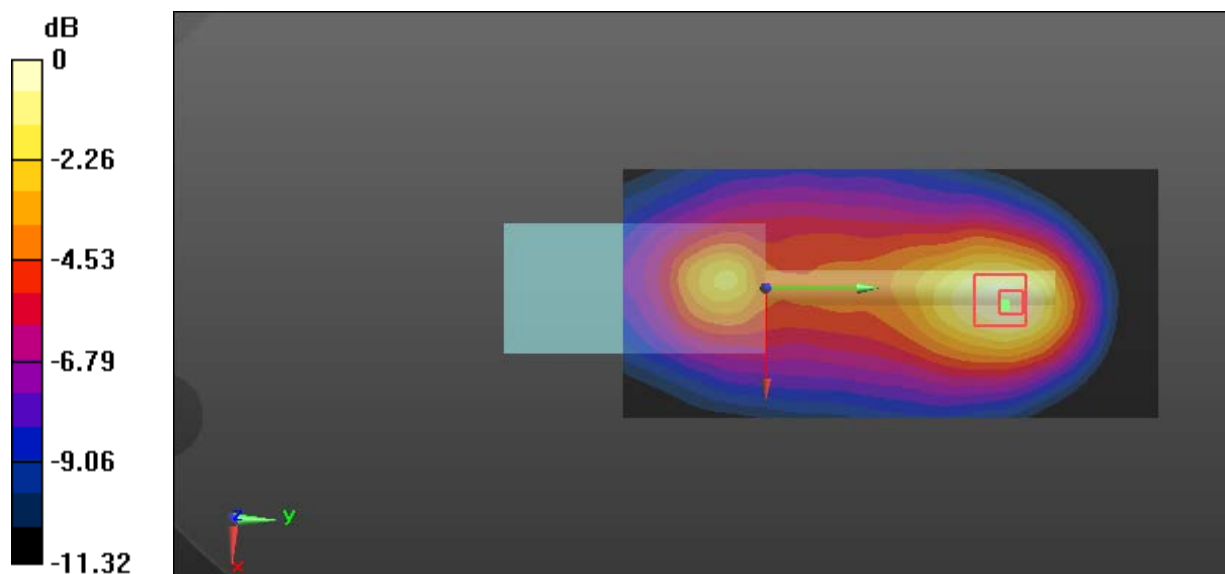
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 53.14 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 7.23 W/kg

**SAR(1 g) = 4.17 W/kg; SAR(10 g) = 2.59 W/kg**

Maximum value of SAR (measured) = 4.43 W/kg



0 dB = 4.43 W/kg = 6.46 dBW/kg

**Test Plot 7#: PTT\_FM 12.5kHz\_Face Up\_154 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

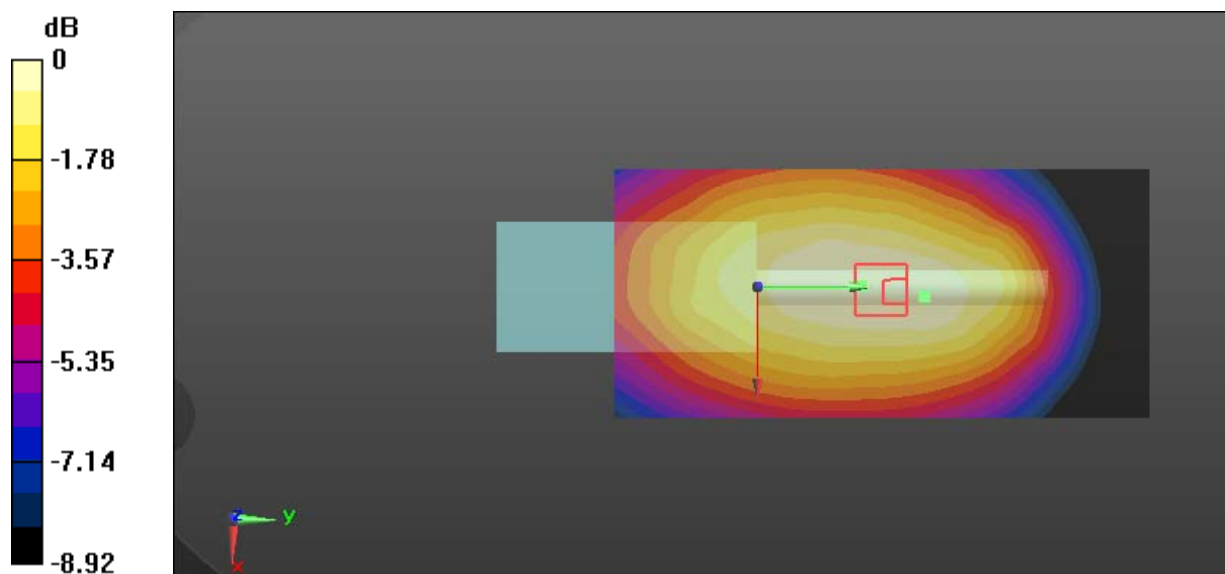
Communication System: FM; Frequency: 154 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 154 \text{ MHz}$ ;  $\sigma = 0.785 \text{ S/m}$ ;  $\epsilon_r = 50.766$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) =  $4.41 \text{ W/kg}$ **Zoom Scan (6x7x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $88.49 \text{ V/m}$ ; Power Drift =  $-0.15 \text{ dB}$ Peak SAR (extrapolated) =  $5.31 \text{ W/kg}$ **SAR(1 g) =  $3.21 \text{ W/kg}$ ; SAR(10 g) =  $2.42 \text{ W/kg}$** Maximum value of SAR (measured) =  $4.32 \text{ W/kg}$  $0 \text{ dB} = 4.32 \text{ W/kg} = 6.35 \text{ dBW/kg}$

**Test Plot 8#: PTT\_FM 25kHz\_Face Up\_154 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

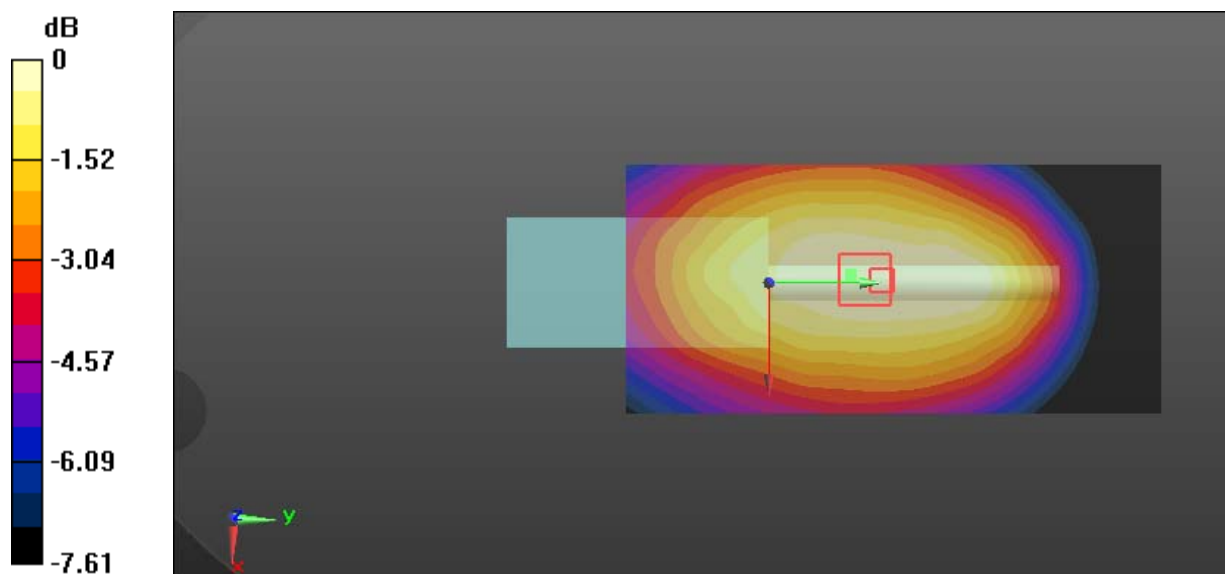
Communication System: FM; Frequency: 154 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 154 \text{ MHz}$ ;  $\sigma = 0.785 \text{ S/m}$ ;  $\epsilon_r = 50.766$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) =  $4.92 \text{ W/kg}$ **Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $64.94 \text{ V/m}$ ; Power Drift =  $-0.09 \text{ dB}$ Peak SAR (extrapolated) =  $5.74 \text{ W/kg}$ **SAR(1 g) =  $3.61 \text{ W/kg}$ ; SAR(10 g) =  $2.74 \text{ W/kg}$** Maximum value of SAR (measured) =  $4.79 \text{ W/kg}$  $0 \text{ dB} = 4.79 \text{ W/kg} = 6.80 \text{ dBW/kg}$



**Test Plot 9#: PTT\_4FSK 12.5kHz\_Face Up\_154 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

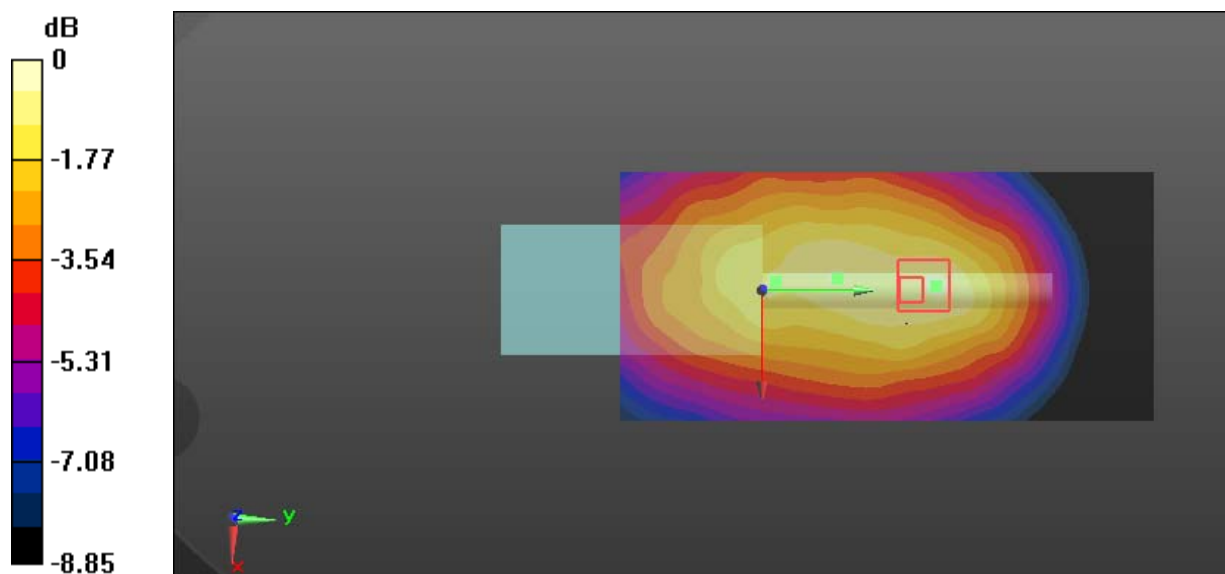
Communication System: 4FSK; Frequency: 154 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 154 \text{ MHz}$ ;  $\sigma = 0.785 \text{ S/m}$ ;  $\epsilon_r = 50.766$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) =  $2.35 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $44.67 \text{ V/m}$ ; Power Drift =  $0.14 \text{ dB}$ Peak SAR (extrapolated) =  $3.67 \text{ W/kg}$ **SAR(1 g) =  $1.83 \text{ W/kg}$ ; SAR(10 g) =  $1.34 \text{ W/kg}$** Maximum value of SAR (measured) =  $2.62 \text{ W/kg}$  $0 \text{ dB} = 2.62 \text{ W/kg} = 4.18 \text{ dBW/kg}$

**Test Plot 10#: PTT\_FM 12.5kHz\_Body Back\_147.0125 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

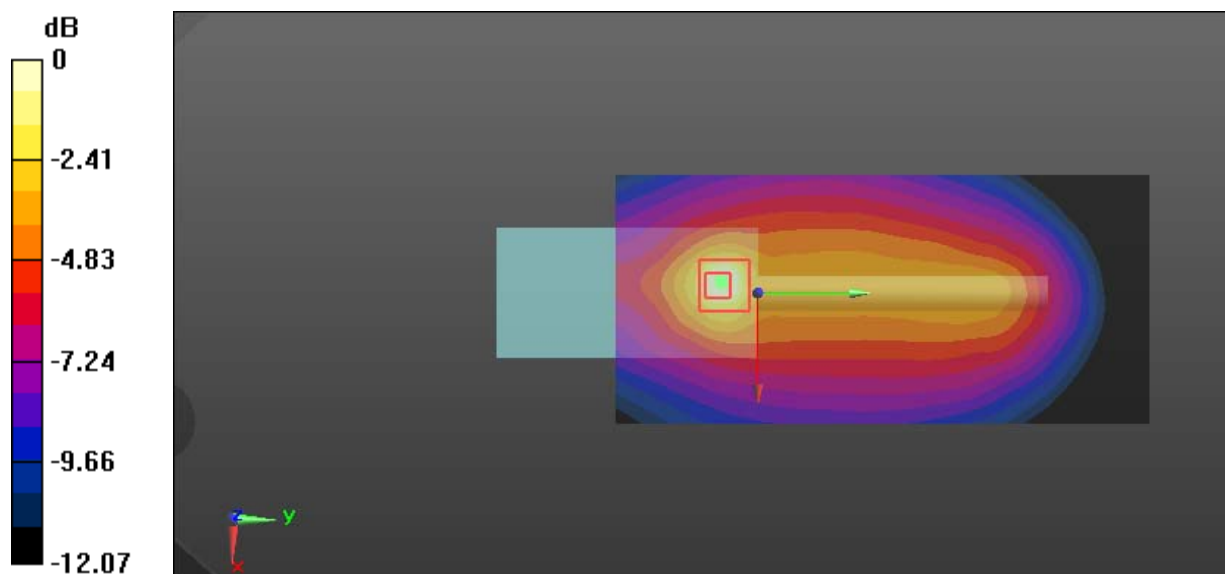
Communication System: FM; Frequency: 147.012 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 147.012 \text{ MHz}$ ;  $\sigma = 0.803 \text{ S/m}$ ;  $\epsilon_r = 61.227$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) =  $15.7 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $65.55 \text{ V/m}$ ; Power Drift =  $0.12 \text{ dB}$ Peak SAR (extrapolated) =  $21.1 \text{ W/kg}$ **SAR(1 g) =  $7.39 \text{ W/kg}$ ; SAR(10 g) =  $4.17 \text{ W/kg}$** Maximum value of SAR (measured) =  $13.6 \text{ W/kg}$  $0 \text{ dB} = 13.6 \text{ W/kg} = 11.34 \text{ dBW/kg}$

**Test Plot 11#: PTT\_FM 12.5kHz\_Body Back\_154 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

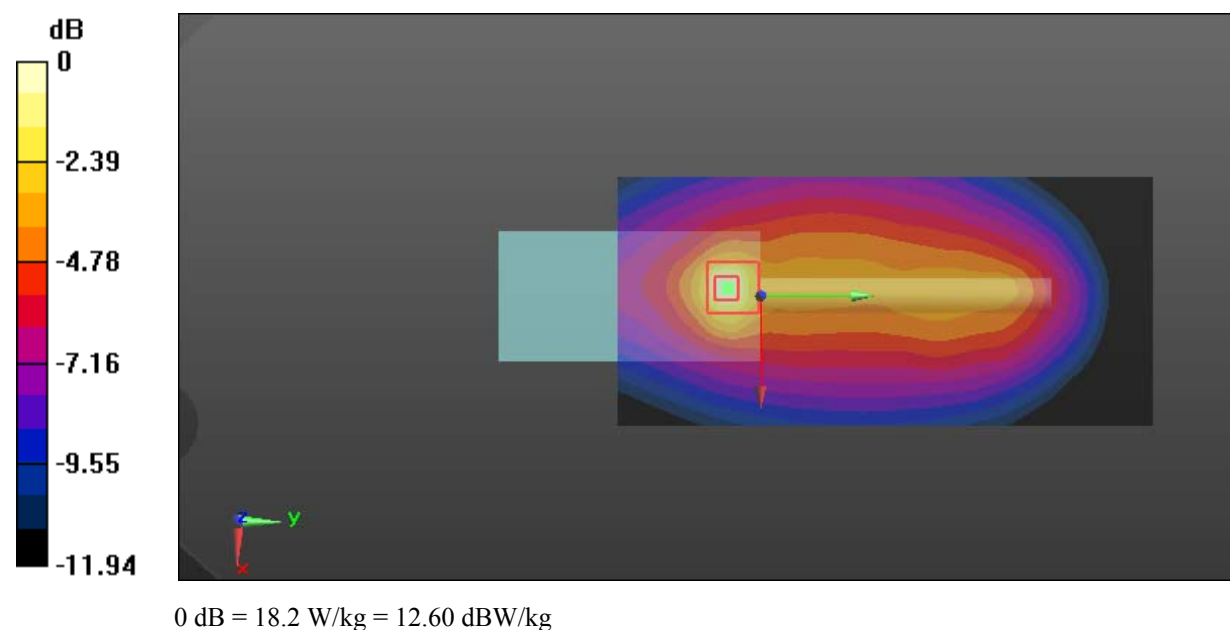
Communication System: FM; Frequency: 154 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 154 \text{ MHz}$ ;  $\sigma = 0.802 \text{ S/m}$ ;  $\epsilon_r = 60.844$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) =  $18.4 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $81.52 \text{ V/m}$ ; Power Drift =  $0.10 \text{ dB}$ Peak SAR (extrapolated) =  $27.6 \text{ W/kg}$ **SAR(1 g) =  $9.74 \text{ W/kg}$ ; SAR(10 g) =  $5.62 \text{ W/kg}$** Maximum value of SAR (measured) =  $18.2 \text{ W/kg}$ 

**Test Plot 12#: PTT\_FM 12.5kHz\_Body Back\_159.9875 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

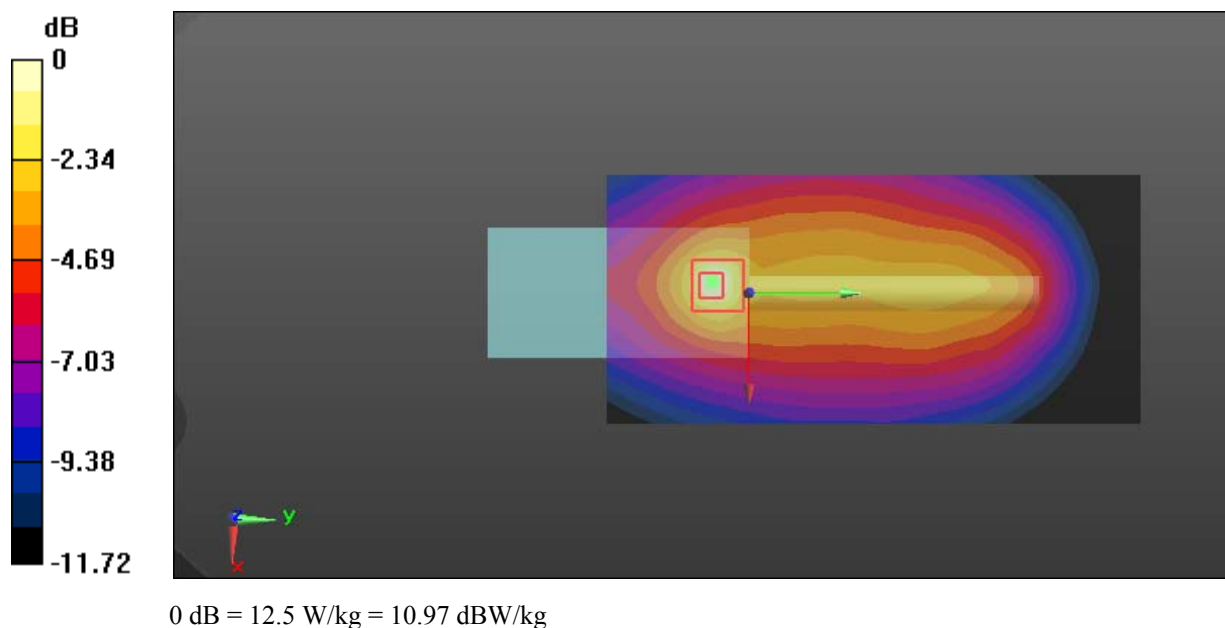
Communication System: FM; Frequency: 159.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 159.988 \text{ MHz}$ ;  $\sigma = 0.804 \text{ S/m}$ ;  $\epsilon_r = 60.739$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) =  $13.3 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $80.06 \text{ V/m}$ ; Power Drift =  $-0.12 \text{ dB}$ Peak SAR (extrapolated) =  $18.9 \text{ W/kg}$ **SAR(1 g) =  $6.94 \text{ W/kg}$ ; SAR(10 g) =  $4.08 \text{ W/kg}$** Maximum value of SAR (measured) =  $12.5 \text{ W/kg}$ 

**Test Plot 13#: PTT\_FM 25kHz\_Body Back\_147.0125 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

Communication System: FM; Frequency: 147.012 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 147.012$  MHz;  $\sigma = 0.803$  S/m;  $\epsilon_r = 61.227$ ;  $\rho = 1000$  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) = 12.2 W/kg

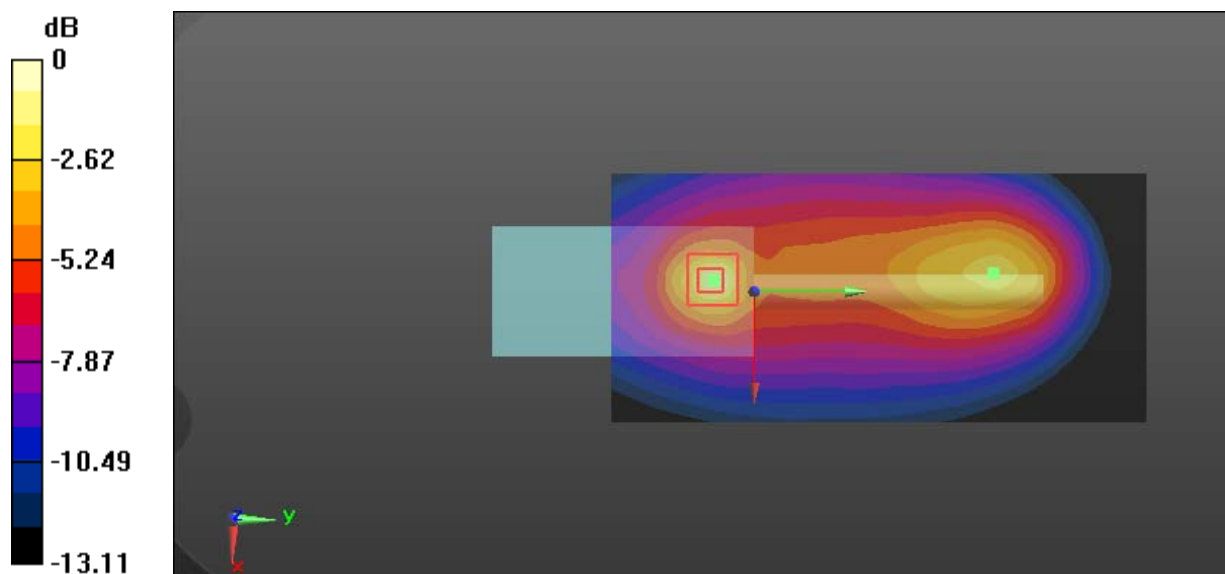
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 68.61 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 24.5 W/kg

**SAR(1 g) = 7.68 W/kg; SAR(10 g) = 4.09 W/kg**

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



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

**Test Plot 14#: PTT\_FM 25kHz\_Body Back\_154 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

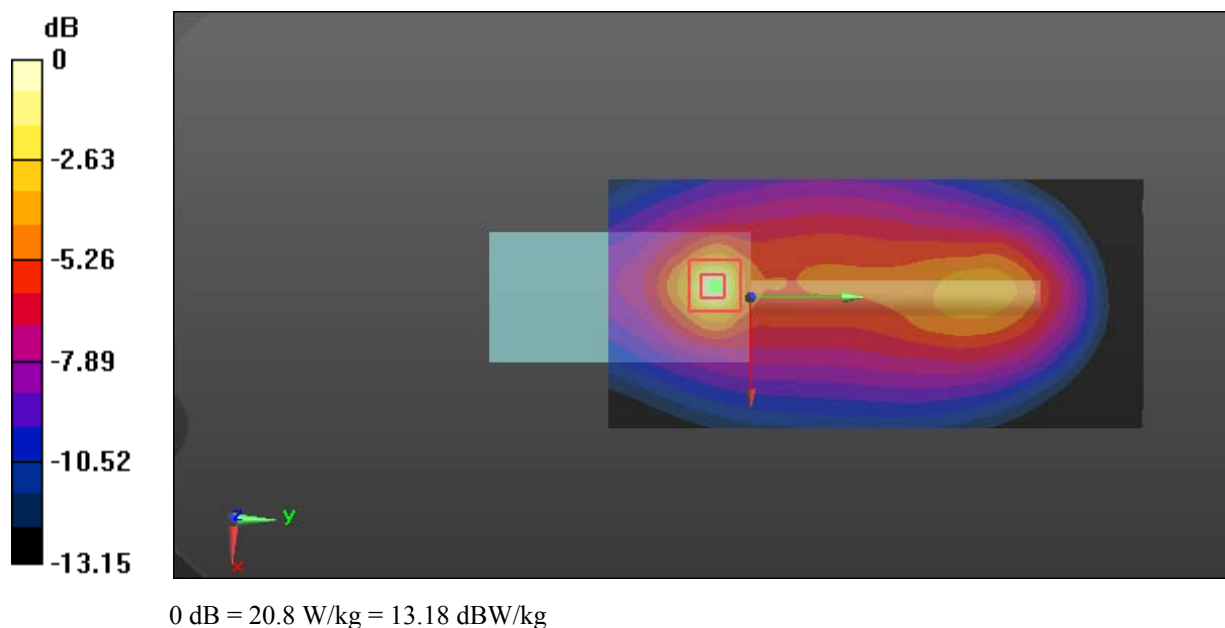
Communication System: FM; Frequency: 154 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 154 \text{ MHz}$ ;  $\sigma = 0.802 \text{ S/m}$ ;  $\epsilon_r = 60.844$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) =  $21.8 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $82.33 \text{ V/m}$ ; Power Drift =  $-0.16 \text{ dB}$ Peak SAR (extrapolated) =  $34.1 \text{ W/kg}$ **SAR(1 g) =  $10.4 \text{ W/kg}$ ; SAR(10 g) =  $5.52 \text{ W/kg}$** Maximum value of SAR (measured) =  $20.8 \text{ W/kg}$ 

**Test Plot 15#: PTT\_FM 25kHz\_Body Back\_159.9875 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

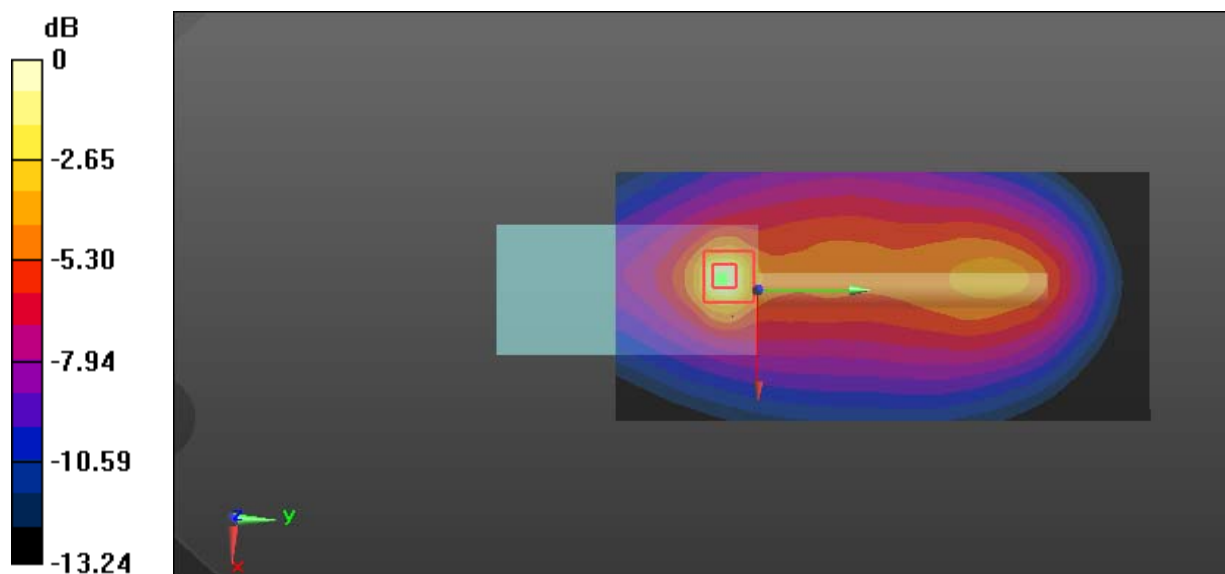
Communication System: FM; Frequency: 159.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 159.988 \text{ MHz}$ ;  $\sigma = 0.804 \text{ S/m}$ ;  $\epsilon_r = 60.739$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) =  $16.3 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $67.71 \text{ V/m}$ ; Power Drift =  $0.08 \text{ dB}$ Peak SAR (extrapolated) =  $24.4 \text{ W/kg}$ **SAR(1 g) =  $7.03 \text{ W/kg}$ ; SAR(10 g) =  $3.75 \text{ W/kg}$** Maximum value of SAR (measured) =  $14.6 \text{ W/kg}$  $0 \text{ dB} = 14.6 \text{ W/kg} = 11.64 \text{ dBW/kg}$

**Test Plot 16#: PTT\_4FSK 12.5kHz\_Body Back\_154 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

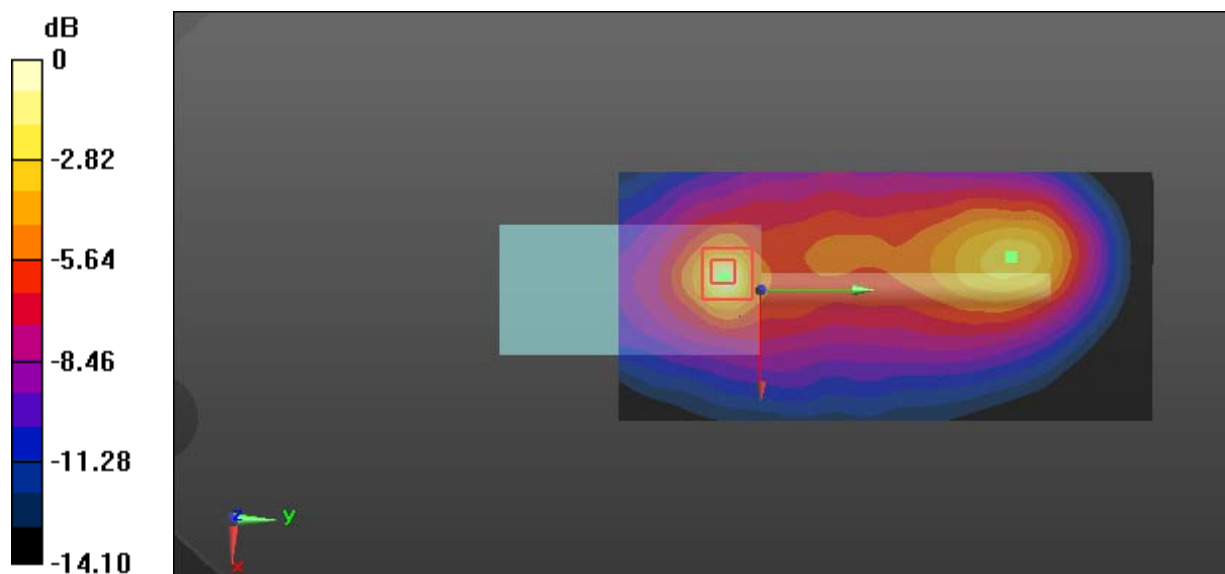
Communication System: 4FSK; Frequency: 154 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 154 \text{ MHz}$ ;  $\sigma = 0.802 \text{ S/m}$ ;  $\epsilon_r = 60.844$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) =  $12.2 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $63.11 \text{ V/m}$ ; Power Drift =  $-0.16 \text{ dB}$ Peak SAR (extrapolated) =  $26.9 \text{ W/kg}$ **SAR(1 g) =  $6.23 \text{ W/kg}$ ; SAR(10 g) =  $3.12 \text{ W/kg}$** Maximum value of SAR (measured) =  $13.5 \text{ W/kg}$  $0 \text{ dB} = 13.5 \text{ W/kg} = 11.30 \text{ dBW/kg}$



**Test Plot 17#: PTT\_FM 12.5kHz\_Face Up\_160.0125 MHz**

**DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

Communication System: FM; Frequency: 160.012 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 160.012 \text{ MHz}$ ;  $\sigma = 0.788 \text{ S/m}$ ;  $\epsilon_r = 50.5$ ;  $\rho = 1000 \text{ kg/m}^3$

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) =  $3.09 \text{ W/kg}$

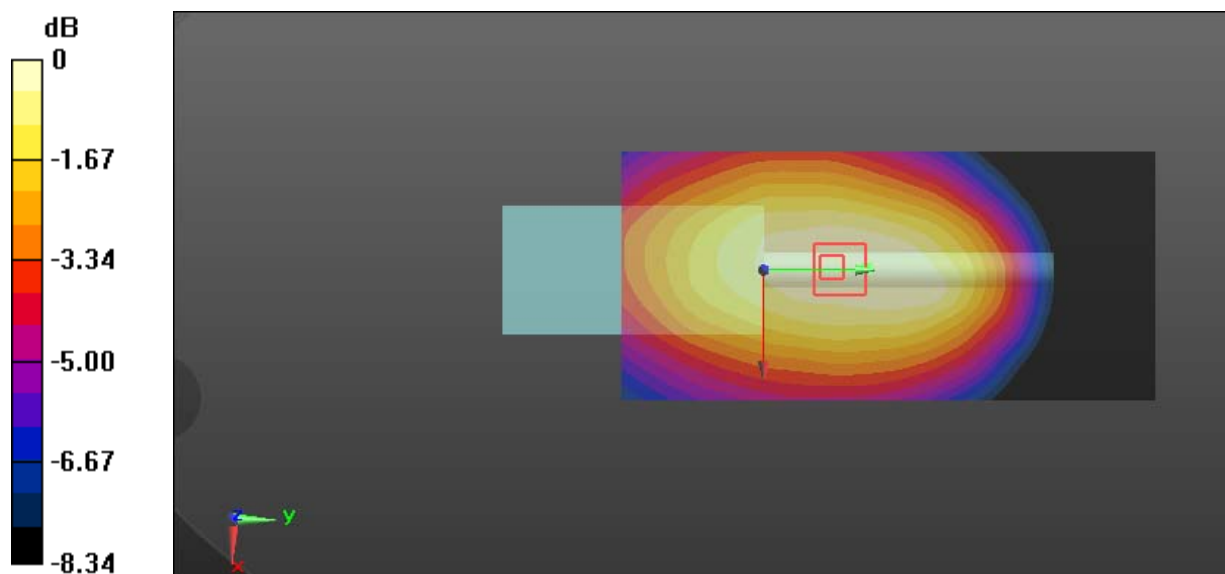
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $54.67 \text{ V/m}$ ; Power Drift =  $-0.11 \text{ dB}$

Peak SAR (extrapolated) =  $3.69 \text{ W/kg}$

**SAR(1 g) =  $2.27 \text{ W/kg}$ ; SAR(10 g) =  $1.7 \text{ W/kg}$**

Maximum value of SAR (measured) =  $2.99 \text{ W/kg}$



0 dB =  $2.99 \text{ W/kg}$  =  $4.76 \text{ dBW/kg}$

**Test Plot 18#: PTT\_FM 25kHz\_Face Up\_160.0125 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

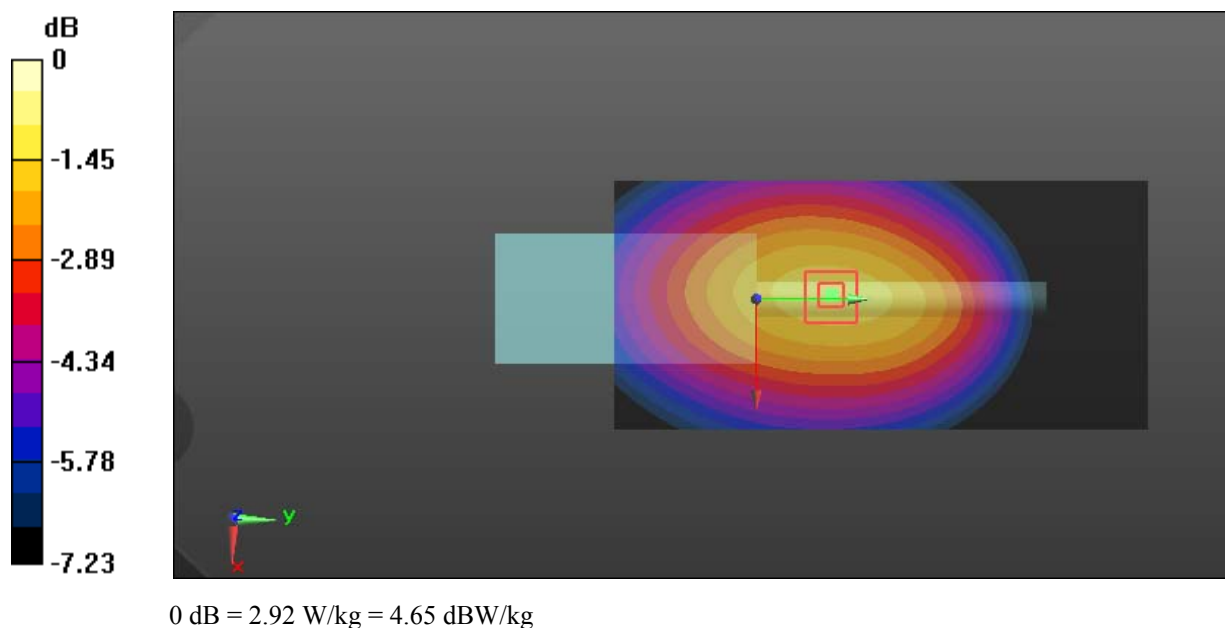
Communication System: FM; Frequency: 160.012 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 160.012 \text{ MHz}$ ;  $\sigma = 0.788 \text{ S/m}$ ;  $\epsilon_r = 50.5$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) =  $2.74 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $53.81 \text{ V/m}$ ; Power Drift =  $-0.04 \text{ dB}$ Peak SAR (extrapolated) =  $3.46 \text{ W/kg}$ **SAR(1 g) =  $2.24 \text{ W/kg}$ ; SAR(10 g) =  $1.7 \text{ W/kg}$** Maximum value of SAR (measured) =  $2.92 \text{ W/kg}$ 

**Test Plot 19#: PTT\_4FSK 12.5kHz\_Face Up\_160.0125 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

Communication System: 4FSK; Frequency: 160.012 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 160.012$  MHz;  $\sigma = 0.788$  S/m;  $\epsilon_r = 50.5$ ;  $\rho = 1000$  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) = 1.55 W/kg

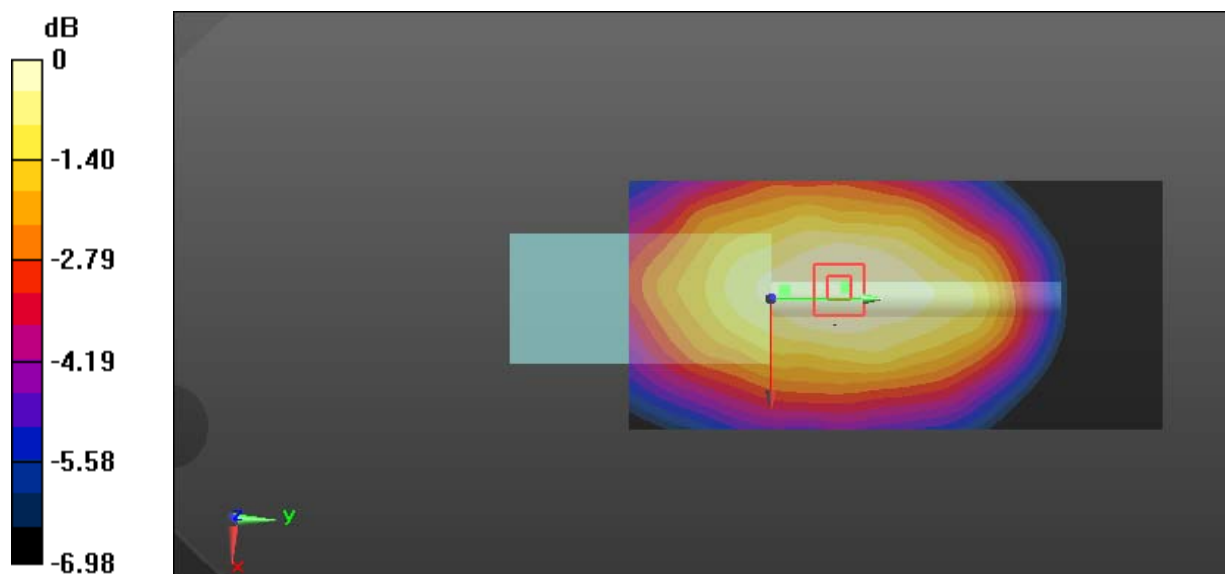
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.98 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.80 W/kg

**SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.878 W/kg**

Maximum value of SAR (measured) = 1.48 W/kg



0 dB = 1.48 W/kg = 1.70 dBW/kg

**Test Plot 20#: PTT\_FM 12.5kHz\_Body Back\_160.0125 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

Communication System: FM; Frequency: 160.012 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 160.012$  MHz;  $\sigma = 0.813$  S/m;  $\epsilon_r = 60.174$ ;  $\rho = 1000$  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) = 14.0 W/kg

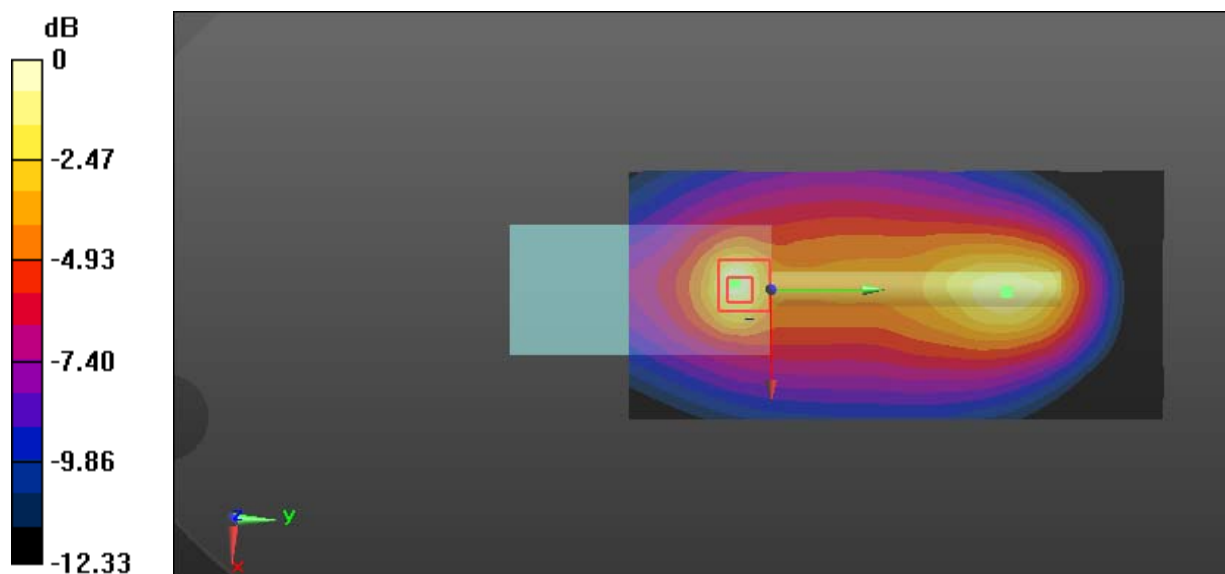
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 60.35 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 22.7 W/kg

**SAR(1 g) = 7.51 W/kg; SAR(10 g) = 4.26 W/kg**

Maximum value of SAR (measured) = 14.0 W/kg



0 dB = 14.0 W/kg = 11.46 dBW/kg

**Test Plot 21#: PTT\_FM 12.5kHz\_Body Back\_167 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

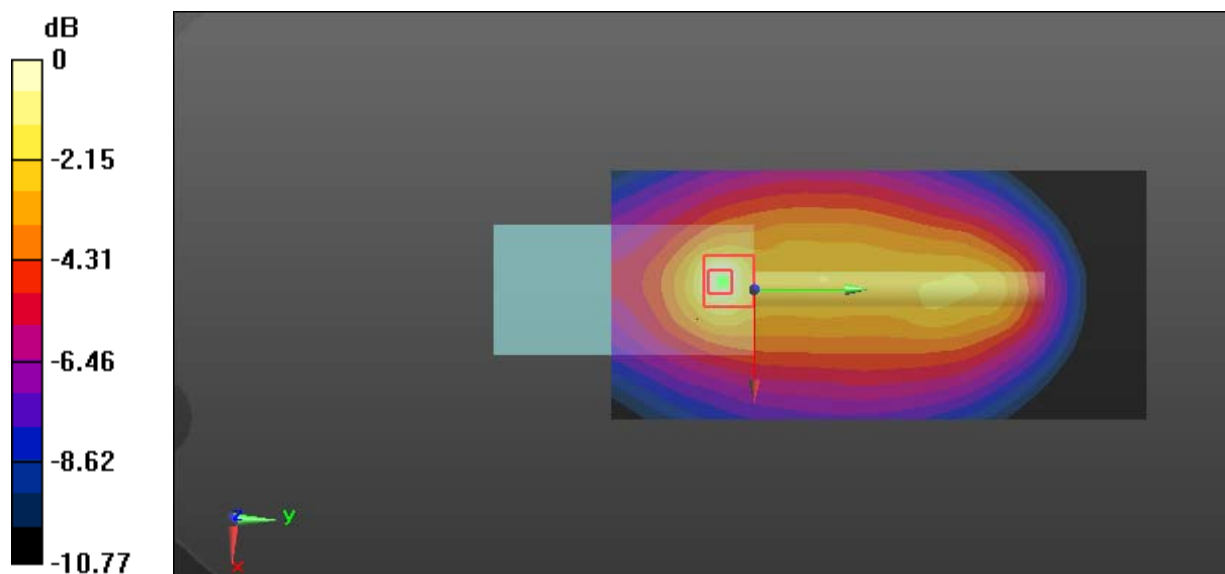
Communication System: FM; Frequency: 167 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 167 \text{ MHz}$ ;  $\sigma = 0.814 \text{ S/m}$ ;  $\epsilon_r = 60.26$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) =  $10.4 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $75.62 \text{ V/m}$ ; Power Drift =  $-0.14 \text{ dB}$ Peak SAR (extrapolated) =  $12.9 \text{ W/kg}$ **SAR(1 g) =  $5.39 \text{ W/kg}$ ; SAR(10 g) =  $3.36 \text{ W/kg}$** Maximum value of SAR (measured) =  $9.09 \text{ W/kg}$  $0 \text{ dB} = 9.09 \text{ W/kg} = 9.59 \text{ dBW/kg}$

**Test Plot 22#: PTT\_FM 12.5kHz\_Body Back\_173.9875 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

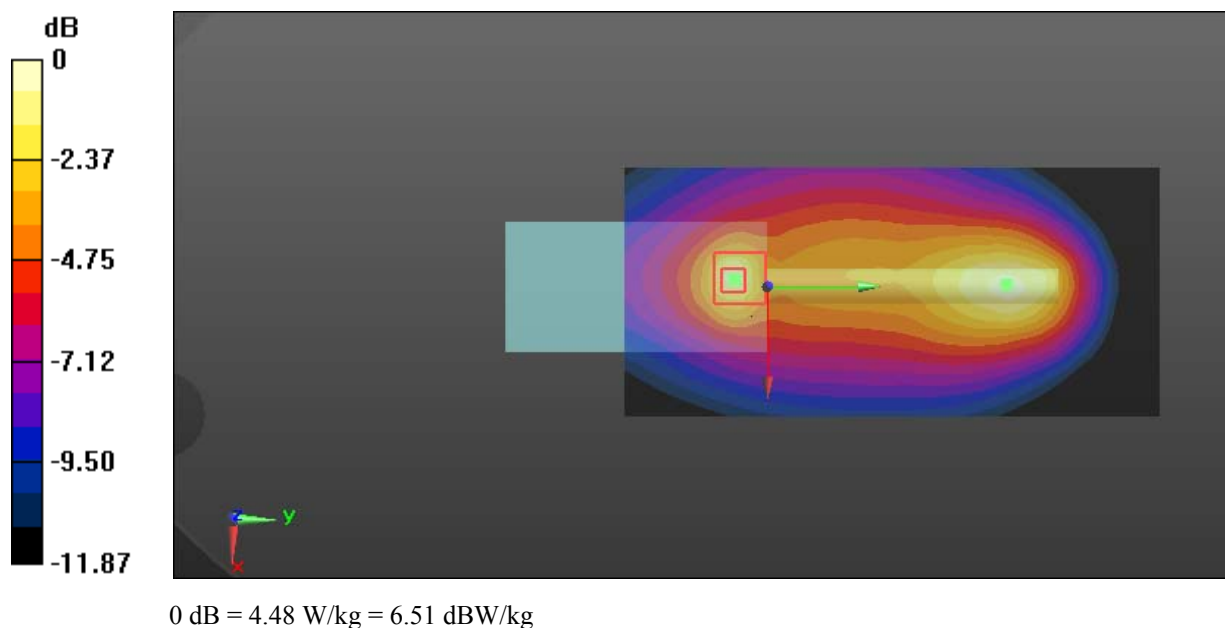
Communication System: FM; Frequency: 173.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 173.988 \text{ MHz}$ ;  $\sigma = 0.816 \text{ S/m}$ ;  $\epsilon_r = 60.015$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) =  $4.04 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $48.82 \text{ V/m}$ ; Power Drift =  $0.02 \text{ dB}$ Peak SAR (extrapolated) =  $6.79 \text{ W/kg}$ **SAR(1 g) =  $2.44 \text{ W/kg}$ ; SAR(10 g) =  $1.45 \text{ W/kg}$** Maximum value of SAR (measured) =  $4.48 \text{ W/kg}$ 

**Test Plot 23#: PTT\_FM 25kHz\_Body Back\_160.0125 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

Communication System: FM; Frequency: 160.012 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 160.012$  MHz;  $\sigma = 0.813$  S/m;  $\epsilon_r = 60.174$ ;  $\rho = 1000$  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) = 8.24 W/kg

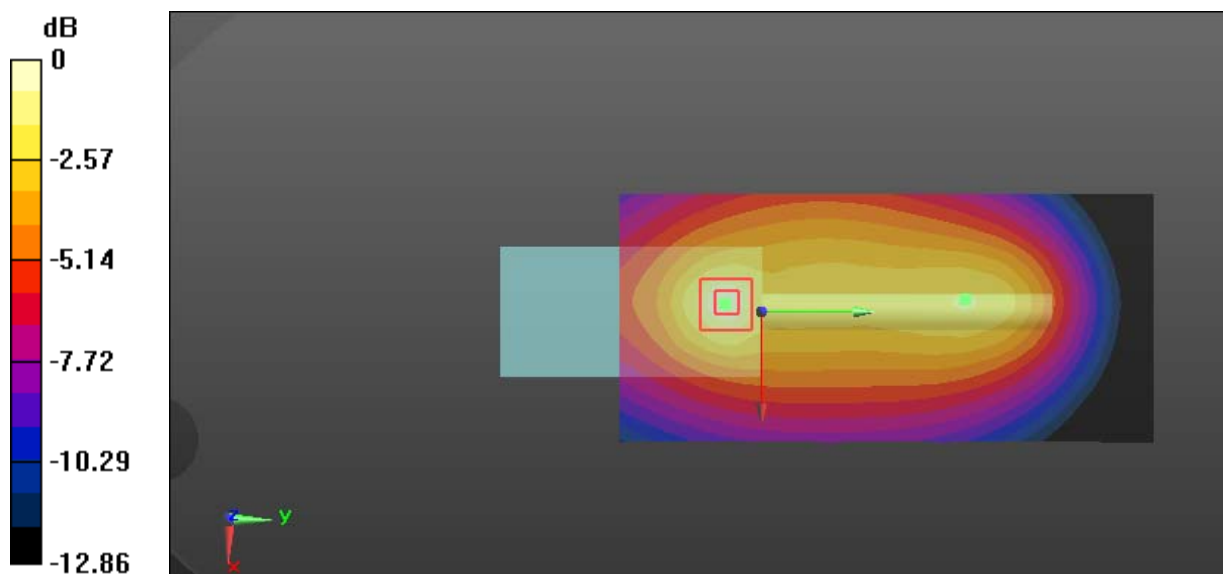
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 72.07 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 25.0 W/kg

**SAR(1 g) = 7.49 W/kg; SAR(10 g) = 4.01 W/kg**

Maximum value of SAR (measured) = 15.0 W/kg



0 dB = 15.0 W/kg = 11.76 dBW/kg

**Test Plot 24#: PTT\_FM 25kHz\_Body Back\_167 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

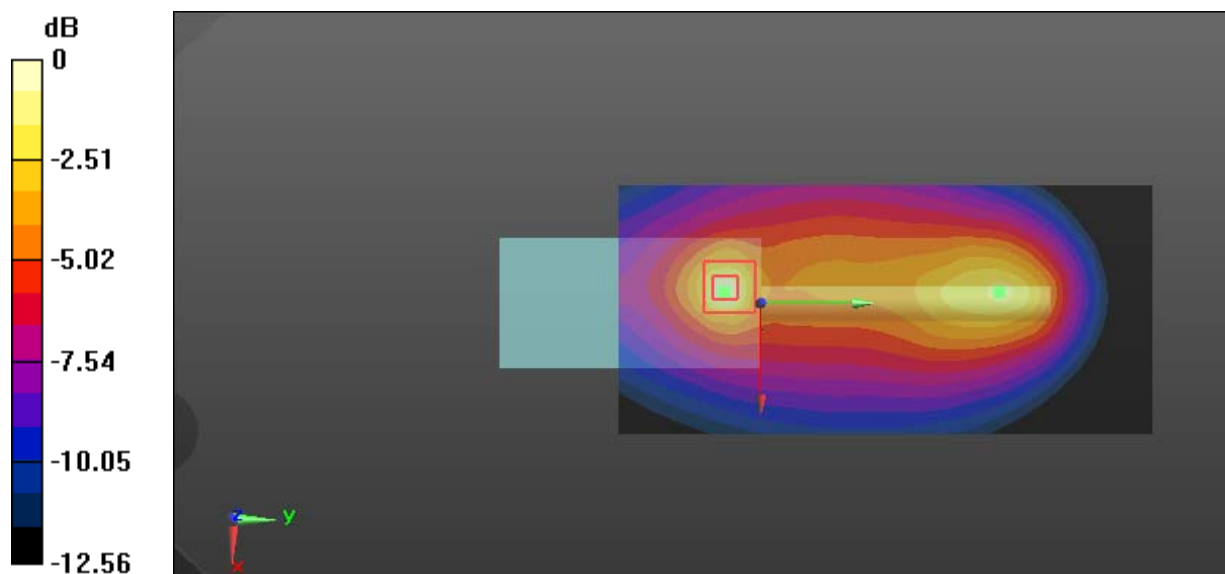
Communication System: FM; Frequency: 167 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 167 \text{ MHz}$ ;  $\sigma = 0.814 \text{ S/m}$ ;  $\epsilon_r = 60.26$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) =  $9.58 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $69.27 \text{ V/m}$ ; Power Drift =  $-0.07 \text{ dB}$ Peak SAR (extrapolated) =  $15.6 \text{ W/kg}$ **SAR(1 g) =  $4.96 \text{ W/kg}$ ; SAR(10 g) =  $2.76 \text{ W/kg}$** Maximum value of SAR (measured) =  $9.70 \text{ W/kg}$  $0 \text{ dB} = 9.70 \text{ W/kg} = 9.87 \text{ dBW/kg}$



**Test Plot 25#: PTT\_FM 25kHz\_Body Back\_173.9875 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

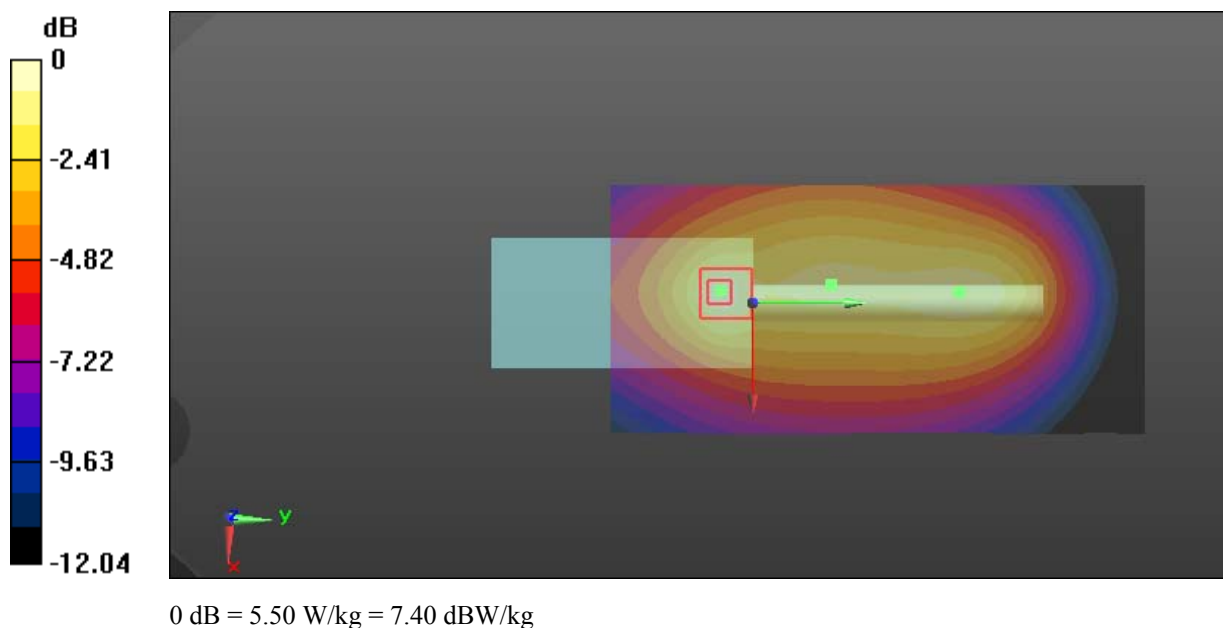
Communication System: FM; Frequency: 173.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 173.988 \text{ MHz}$ ;  $\sigma = 0.816 \text{ S/m}$ ;  $\epsilon_r = 60.015$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) =  $4.61 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $47.16 \text{ V/m}$ ; Power Drift =  $0.09 \text{ dB}$ Peak SAR (extrapolated) =  $8.28 \text{ W/kg}$ **SAR(1 g) =  $2.88 \text{ W/kg}$ ; SAR(10 g) =  $1.66 \text{ W/kg}$** Maximum value of SAR (measured) =  $5.50 \text{ W/kg}$ 

**Test Plot 26#: PTT\_4FSK 12.5kHz\_Body Back\_160.0125 MHz****DUT: Digital Poratable Radio; Type: PD502i VHF; Serial: 17122000720**

Communication System: 4FSK; Frequency: 160.012 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 160.012$  MHz;  $\sigma = 0.813$  S/m;  $\epsilon_r = 60.174$ ;  $\rho = 1000$  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) = 7.19 W/kg

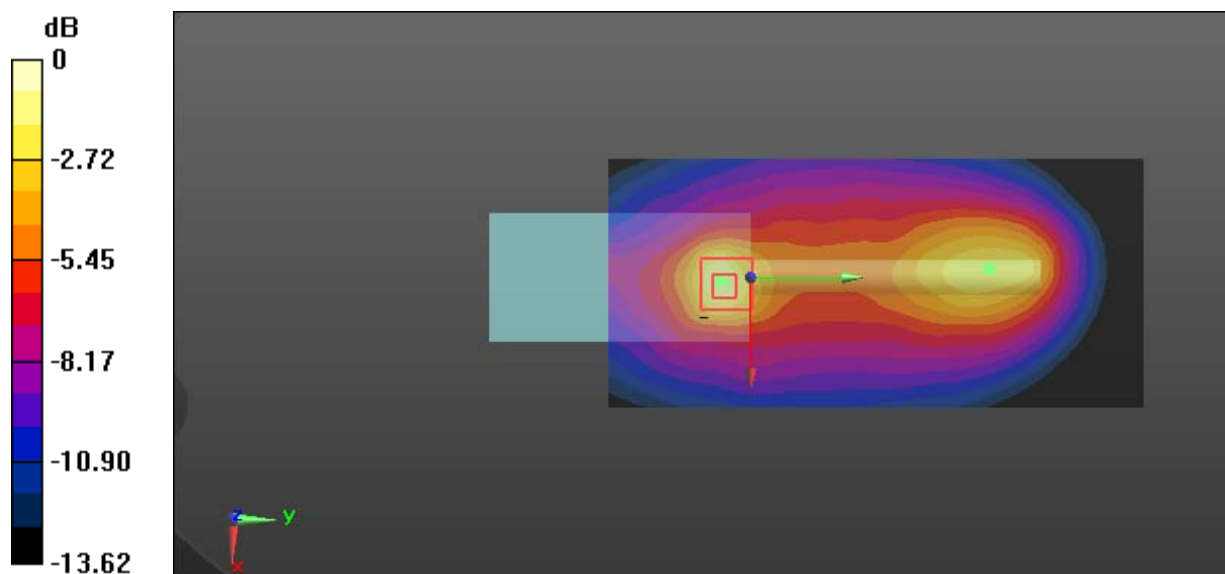
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 49.12 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 18.1 W/kg

**SAR(1 g) = 4.25 W/kg; SAR(10 g) = 2.17 W/kg**

Maximum value of SAR (measured) = 8.79 W/kg



0 dB = 8.79 W/kg = 9.44 dBW/kg