

**Test Plot 1#: PTT\_FM 12.5KHz\_Face Up\_136.0125 MHz****DUT: Digital Portable Radio; Type: PD702G VHF; Serial: 17090700720**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.755$  S/m;  $\epsilon_r = 51.812$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(13.25, 13.25, 13.25); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- 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) = 2.69 W/kg

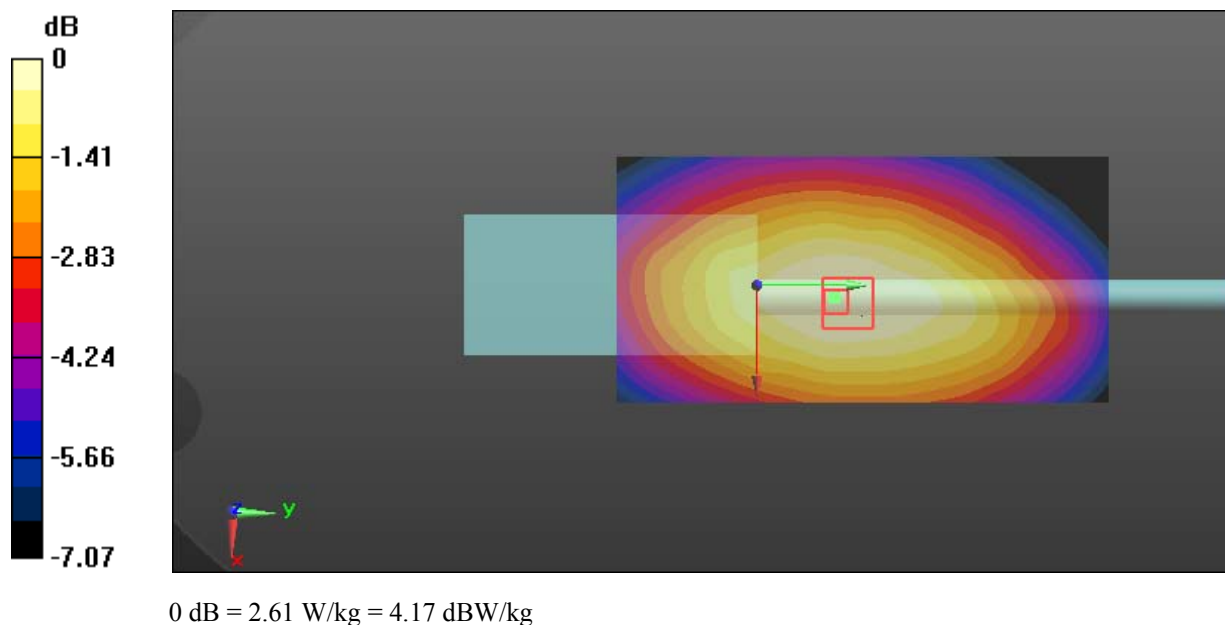
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.92 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 3.07 W/kg

**SAR(1 g) = 1.99 W/kg; SAR(10 g) = 1.51 W/kg**

Maximum value of SAR (measured) = 2.61 W/kg



**Test Plot 2#: PTT\_FM 12.5KHz\_Body Back\_136.0125 MHz****DUT: Digital Portable Radio; Type: PD702G VHF; Serial: 17090700720**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.814$  S/m;  $\epsilon_r = 60.812$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- 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) = 13.0 W/kg

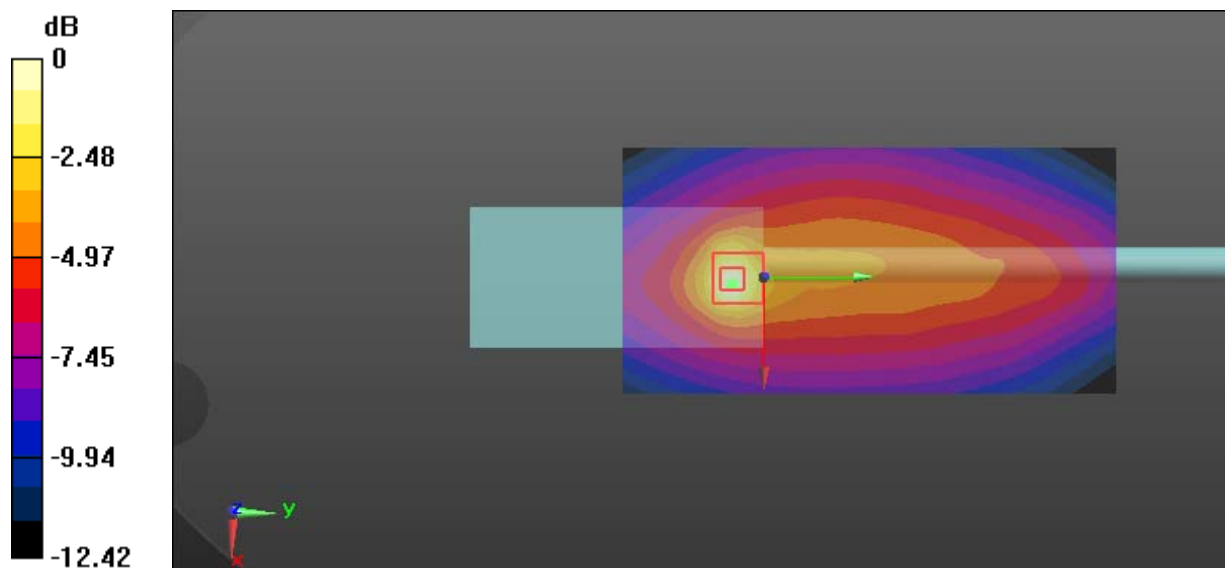
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 79.38 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 20.5 W/kg

**SAR(1 g) = 7.16 W/kg; SAR(10 g) = 4.04 W/kg**

Maximum value of SAR (measured) = 13.3 W/kg



0 dB = 13.3 W/kg = 11.24 dBW/kg

**Test Plot 3#: PTT\_FM 12.5KHz\_Body Back\_144 MHz****DUT: Digital Portable Radio; Type: PD702G VHF; Serial: 17090700720**

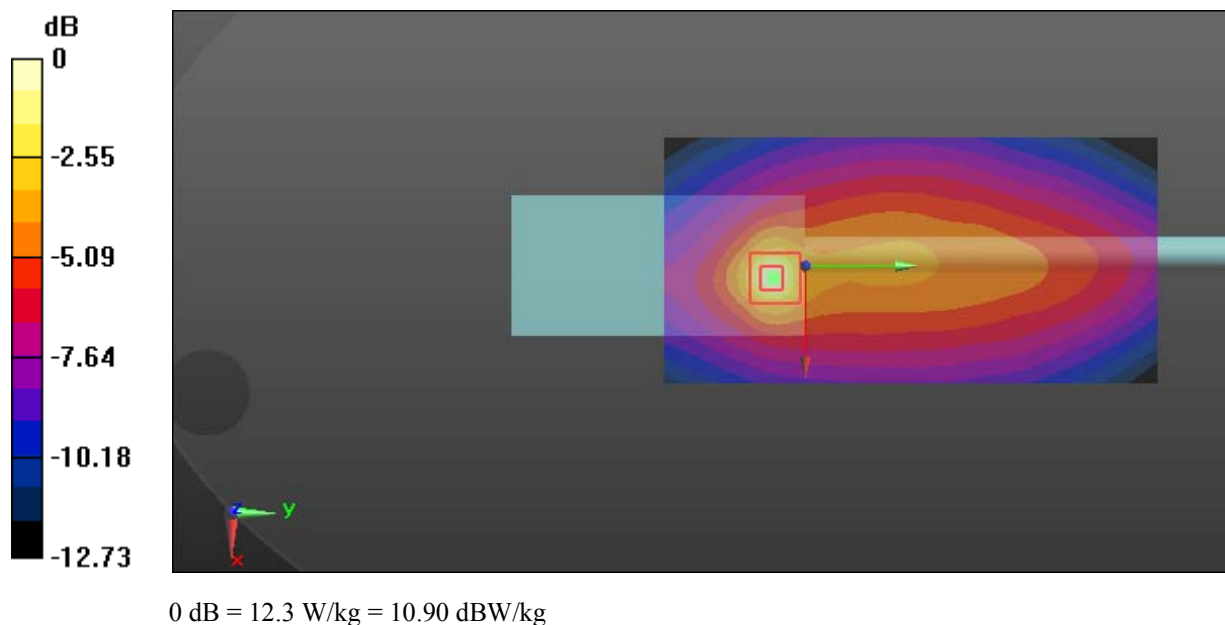
Communication System: FM; Frequency: 144 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 144 \text{ MHz}$ ;  $\sigma = 0.822 \text{ S/m}$ ;  $\epsilon_r = 60.754$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- 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) =  $12.1 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $69.59 \text{ V/m}$ ; Power Drift =  $-0.13 \text{ dB}$ Peak SAR (extrapolated) =  $19.9 \text{ W/kg}$ **SAR(1 g) =  $6.21 \text{ W/kg}$ ; SAR(10 g) =  $3.41 \text{ W/kg}$** Maximum value of SAR (measured) =  $12.3 \text{ W/kg}$ 

**Test Plot 4#: PTT\_FM 12.5KHz\_Body Back\_155 MHz****DUT: Digital Portable Radio; Type: PD702G VHF; Serial: 17090700720**

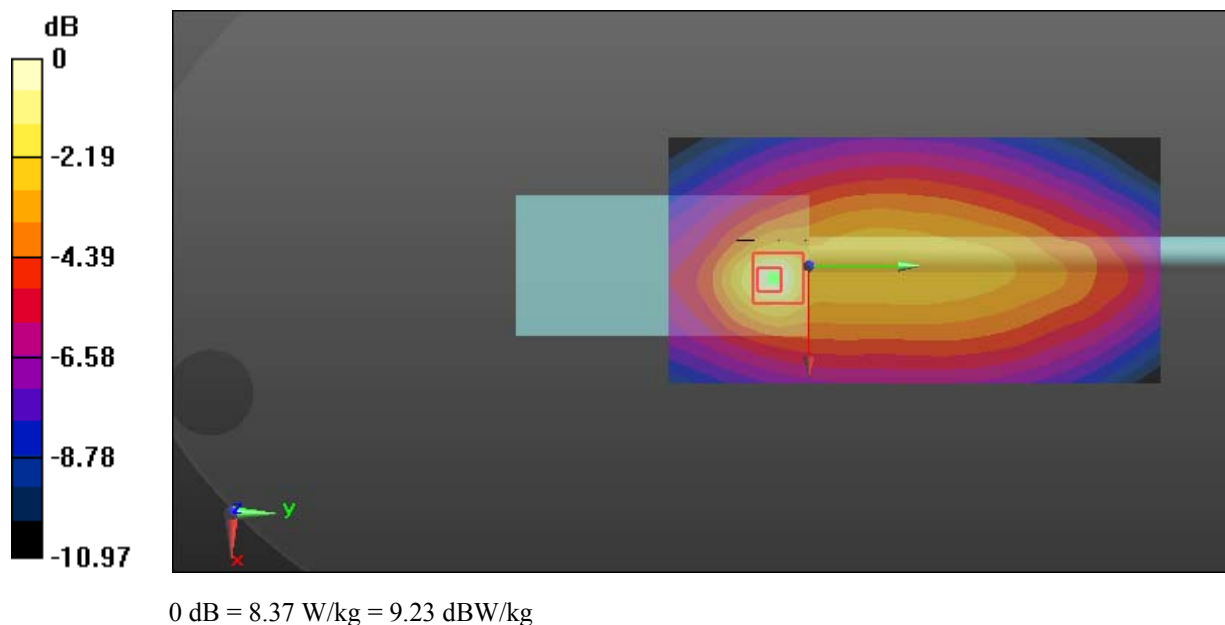
Communication System: FM; Frequency: 155 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 155 \text{ MHz}$ ;  $\sigma = 0.834 \text{ S/m}$ ;  $\epsilon_r = 60.707$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- 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) =  $8.64 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $67.53 \text{ V/m}$ ; Power Drift =  $-0.14 \text{ dB}$ Peak SAR (extrapolated) =  $12.1 \text{ W/kg}$ **SAR(1 g) =  $5.04 \text{ W/kg}$ ; SAR(10 g) =  $3.08 \text{ W/kg}$** Maximum value of SAR (measured) =  $8.37 \text{ W/kg}$ 

**Test Plot 5#: PTT\_FM 12.5KHz\_Body Back\_164 MHz****DUT: Digital Portable Radio; Type: PD702G VHF; Serial: 17090700720**

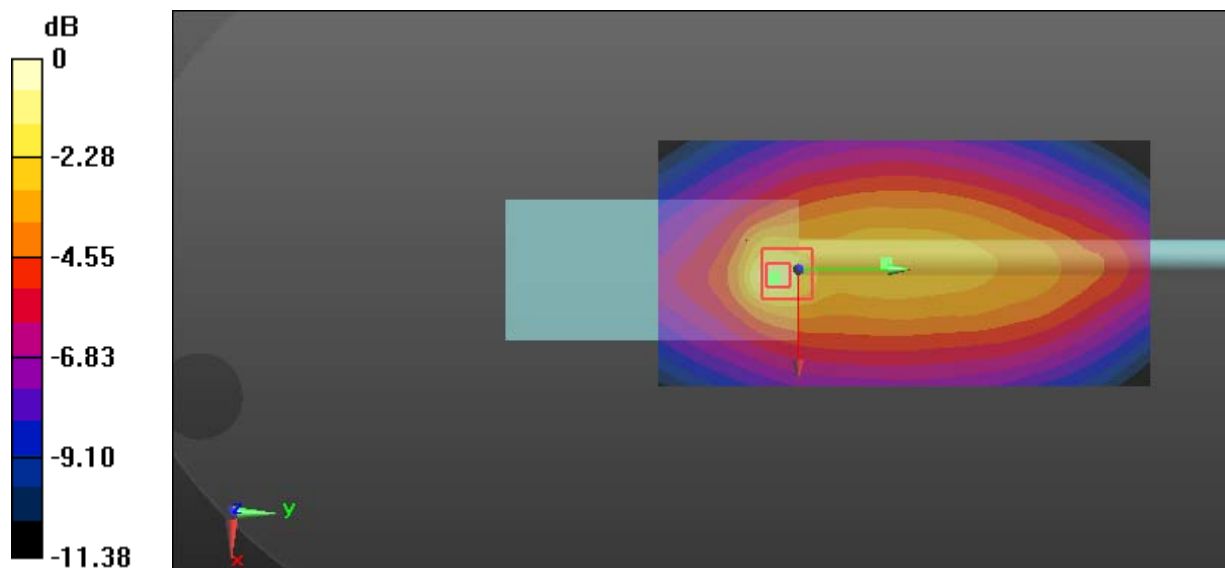
Communication System: FM; Frequency: 164 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 164 \text{ MHz}$ ;  $\sigma = 0.839 \text{ S/m}$ ;  $\epsilon_r = 60.683$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- 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) =  $5.83 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $64.73 \text{ V/m}$ ; Power Drift =  $-0.14 \text{ dB}$ Peak SAR (extrapolated) =  $10.2 \text{ W/kg}$ **SAR(1 g) =  $4.04 \text{ W/kg}$ ; SAR(10 g) =  $2.51 \text{ W/kg}$** Maximum value of SAR (measured) =  $7.10 \text{ W/kg}$  $0 \text{ dB} = 7.10 \text{ W/kg} = 8.51 \text{ dBW/kg}$

**Test Plot 6#: PTT\_FM 12.5KHz\_Body Back\_173.9875 MHz****DUT: Digital Portable Radio; Type: PD702G VHF; Serial: 17090700720**

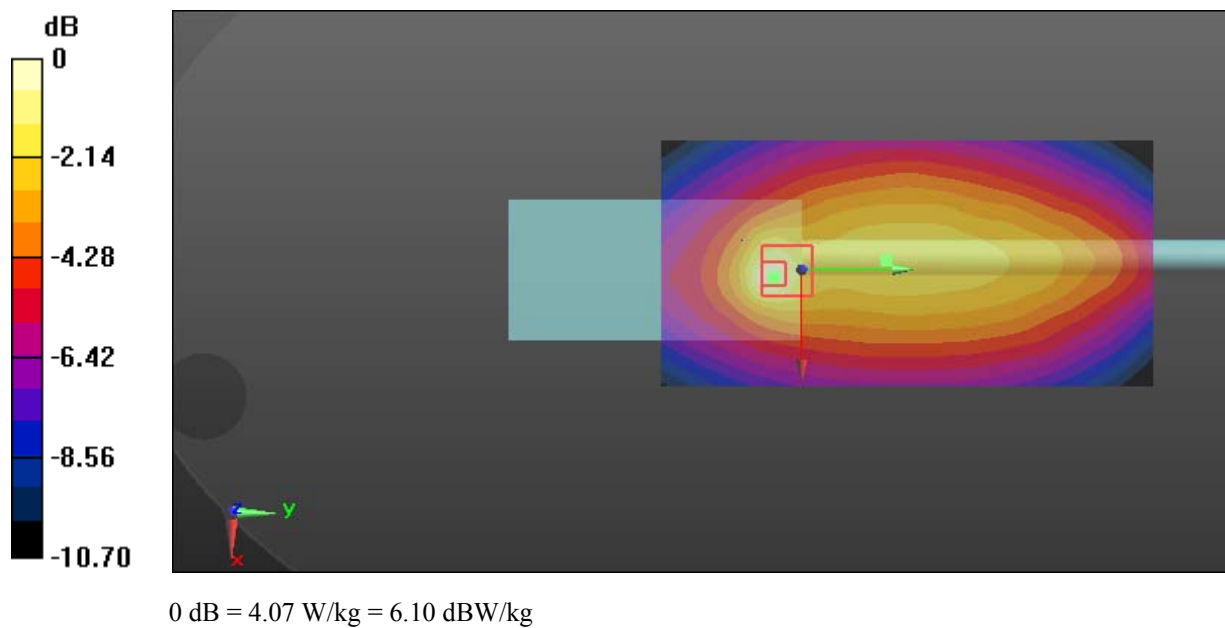
Communication System: FM; Frequency: 173.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 173.988 \text{ MHz}$ ;  $\sigma = 0.841 \text{ S/m}$ ;  $\epsilon_r = 60.635$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- 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) =  $4.08 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $50.42 \text{ V/m}$ ; Power Drift =  $-0.12 \text{ dB}$ Peak SAR (extrapolated) =  $5.61 \text{ W/kg}$ **SAR(1 g) =  $2.47 \text{ W/kg}$ ; SAR(10 g) =  $1.61 \text{ W/kg}$** Maximum value of SAR (measured) =  $4.07 \text{ W/kg}$ 

**Test Plot 7#: PTT\_FM 25KHz\_Face Up\_136.0125 MHz****DUT: Digital Portable Radio; Type: PD702G VHF; Serial: 17090700720**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.755$  S/m;  $\epsilon_r = 51.812$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(13.25, 13.25, 13.25); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- 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) = 2.59 W/kg

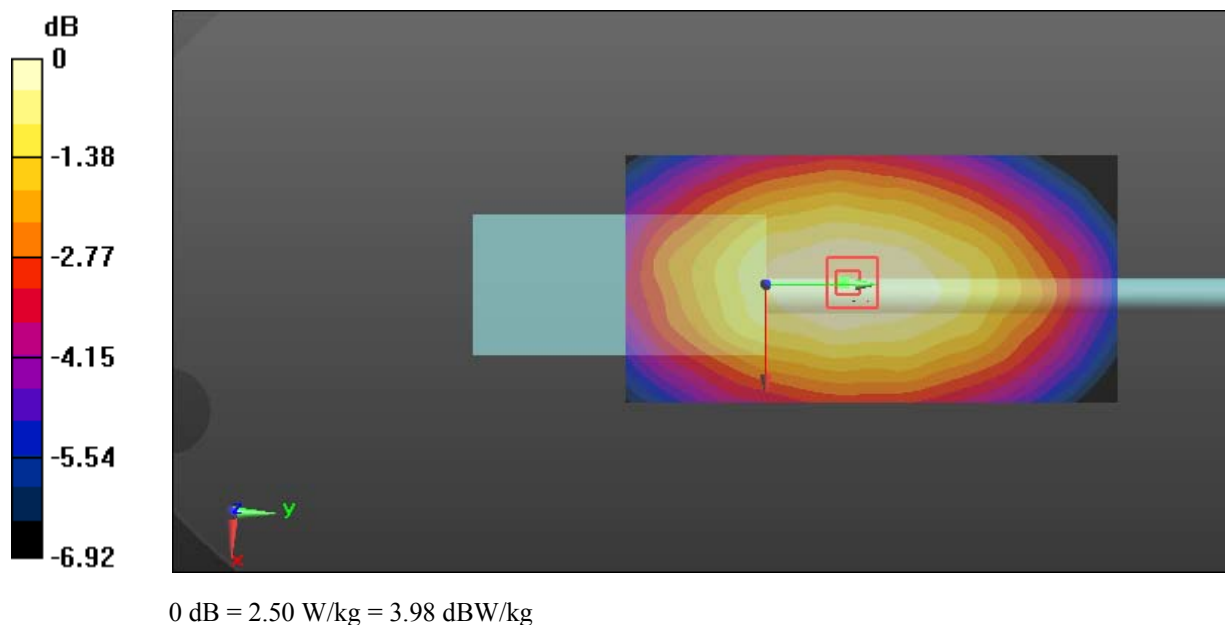
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.57 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.94 W/kg

**SAR(1 g) = 1.91 W/kg; SAR(10 g) = 1.46 W/kg**

Maximum value of SAR (measured) = 2.50 W/kg



**Test Plot 8#: PTT\_FM 25KHz\_Body Back\_136.0125 MHz****DUT: Digital Portable Radio; Type: PD702G VHF; Serial: 17090700720**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.814$  S/m;  $\epsilon_r = 60.812$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- 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) = 15.8 W/kg

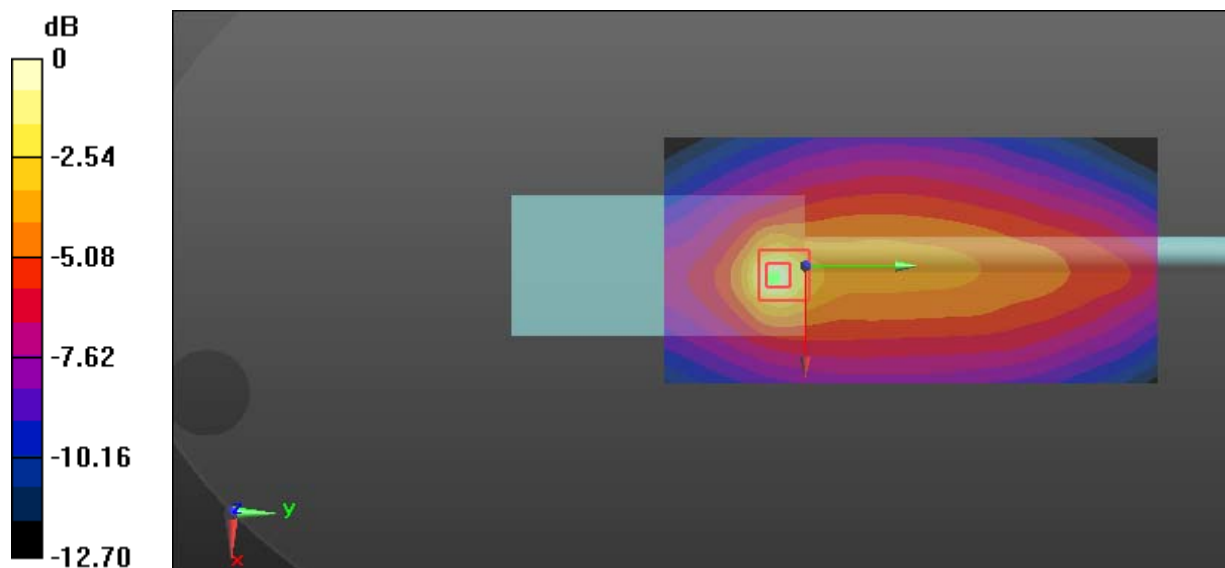
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 87.78 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 24.5 W/kg

**SAR(1 g) = 8.17 W/kg; SAR(10 g) = 4.58 W/kg**

Maximum value of SAR (measured) = 15.8 W/kg



0 dB = 15.8 W/kg = 11.99 dBW/kg



**Test Plot 9#: PTT\_FM 25KHz\_Body Back\_144 MHz****DUT: Digital Portable Radio; Type: PD702G VHF; Serial: 17090700720**

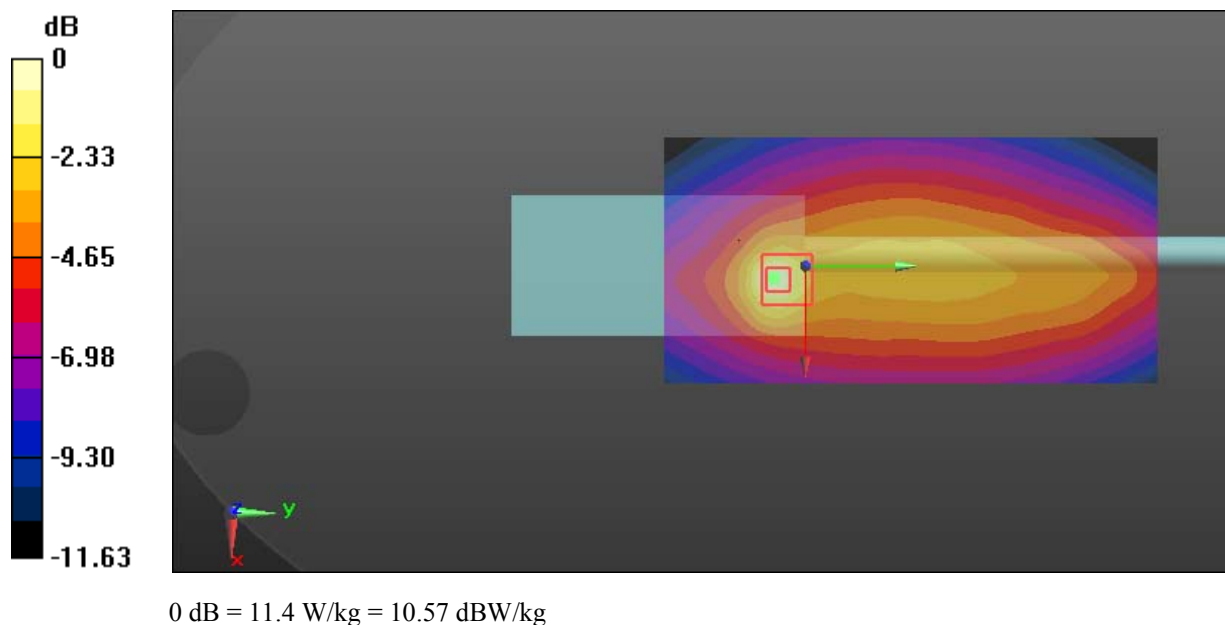
Communication System: FM; Frequency: 144 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 144 \text{ MHz}$ ;  $\sigma = 0.822 \text{ S/m}$ ;  $\epsilon_r = 60.754$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- 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) =  $11.4 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $77.64 \text{ V/m}$ ; Power Drift =  $-0.04 \text{ dB}$ Peak SAR (extrapolated) =  $16.8 \text{ W/kg}$ **SAR(1 g) =  $6.36 \text{ W/kg}$ ; SAR(10 g) =  $3.84 \text{ W/kg}$** Maximum value of SAR (measured) =  $11.4 \text{ W/kg}$ 

**Test Plot 10#: PTT\_FM 25KHz\_Body Back\_155 MHz****DUT: Digital Portable Radio; Type: PD702G VHF; Serial: 17090700720**

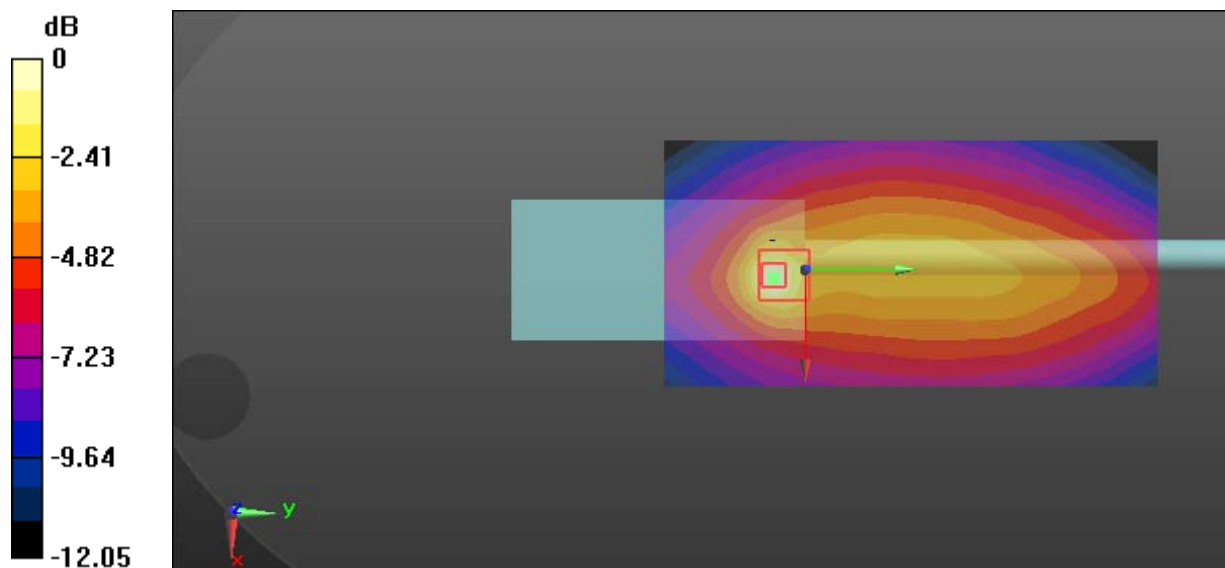
Communication System: FM; Frequency: 155 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 155 \text{ MHz}$ ;  $\sigma = 0.834 \text{ S/m}$ ;  $\epsilon_r = 60.707$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- 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) =  $9.99 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $72.75 \text{ V/m}$ ; Power Drift =  $-0.15 \text{ dB}$ Peak SAR (extrapolated) =  $14.5 \text{ W/kg}$ **SAR(1 g) =  $5.18 \text{ W/kg}$ ; SAR(10 g) =  $3.06 \text{ W/kg}$** Maximum value of SAR (measured) =  $9.68 \text{ W/kg}$  $0 \text{ dB} = 9.68 \text{ W/kg} = 7.74 \text{ dBW/kg}$

**Test Plot 11#: PTT\_FM 25KHz\_Body Back\_164 MHz****DUT: Digital Portable Radio; Type: PD702G VHF; Serial: 17090700720**

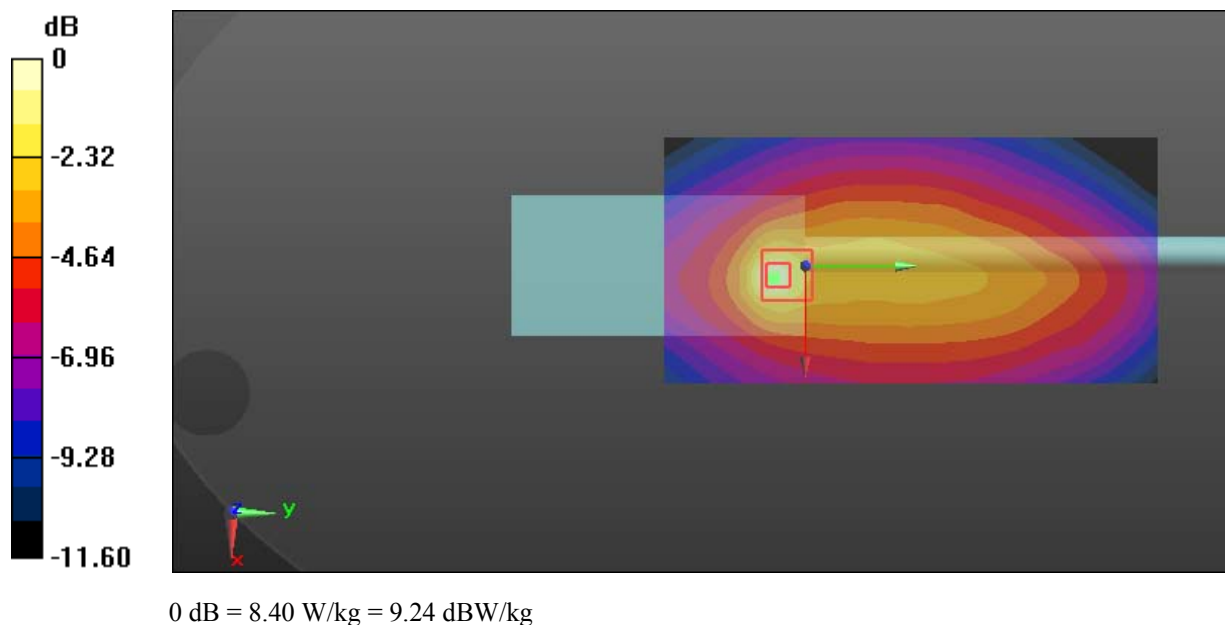
Communication System: FM; Frequency: 164 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 164 \text{ MHz}$ ;  $\sigma = 0.839 \text{ S/m}$ ;  $\epsilon_r = 60.683$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- 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) =  $8.36 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $74.46 \text{ V/m}$ ; Power Drift =  $-0.09 \text{ dB}$ Peak SAR (extrapolated) =  $12.2 \text{ W/kg}$ **SAR(1 g) =  $4.63 \text{ W/kg}$ ; SAR(10 g) =  $2.83 \text{ W/kg}$** Maximum value of SAR (measured) =  $8.40 \text{ W/kg}$ 

**Test Plot 12#: PTT\_FM 25KHz\_Body Back\_173.9875 MHz****DUT: Digital Portable Radio; Type: PD702G VHF; Serial: 17090700720**

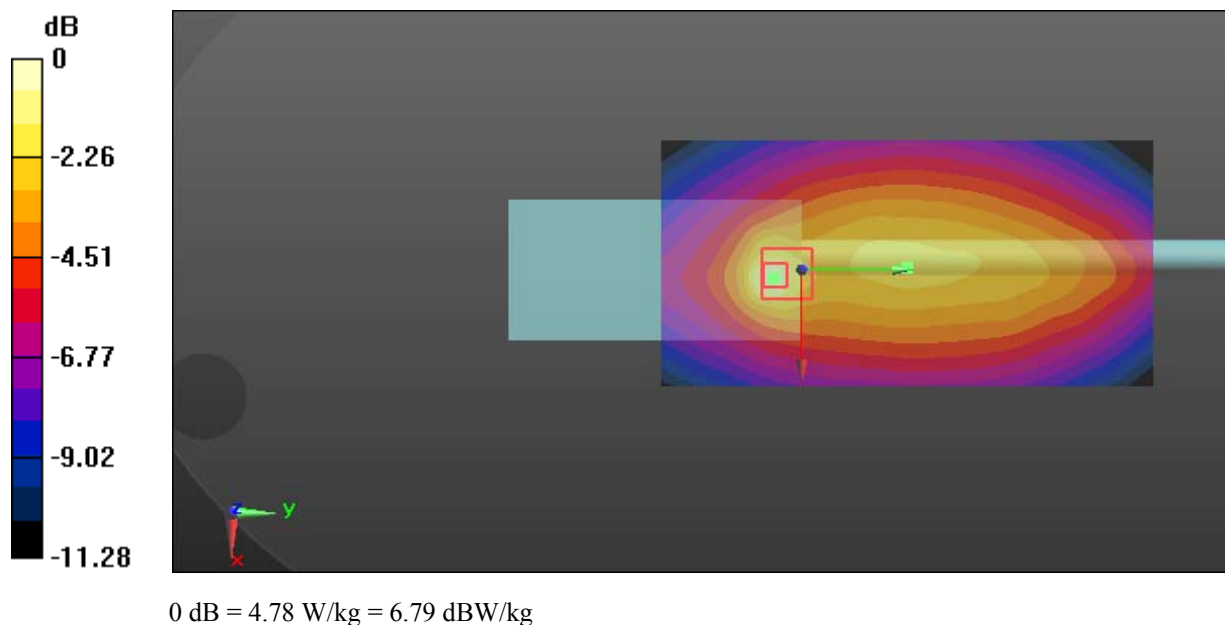
Communication System: FM; Frequency: 173.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 173.988 \text{ MHz}$ ;  $\sigma = 0.841 \text{ S/m}$ ;  $\epsilon_r = 60.635$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- 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) =  $4.59 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $51.98 \text{ V/m}$ ; Power Drift =  $-0.18 \text{ dB}$ Peak SAR (extrapolated) =  $6.86 \text{ W/kg}$ **SAR(1 g) =  $2.68 \text{ W/kg}$ ; SAR(10 g) =  $1.68 \text{ W/kg}$** Maximum value of SAR (measured) =  $4.78 \text{ W/kg}$ 

**Test Plot 13#: PTT\_4FSK 12.5KHz\_Face Up\_136.0125 MHz****DUT: Digital Portable Radio; Type: PD702G VHF; Serial: 17090700720**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.755$  S/m;  $\epsilon_r = 51.812$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(13.25, 13.25, 13.25); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- 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) = 1.47 W/kg

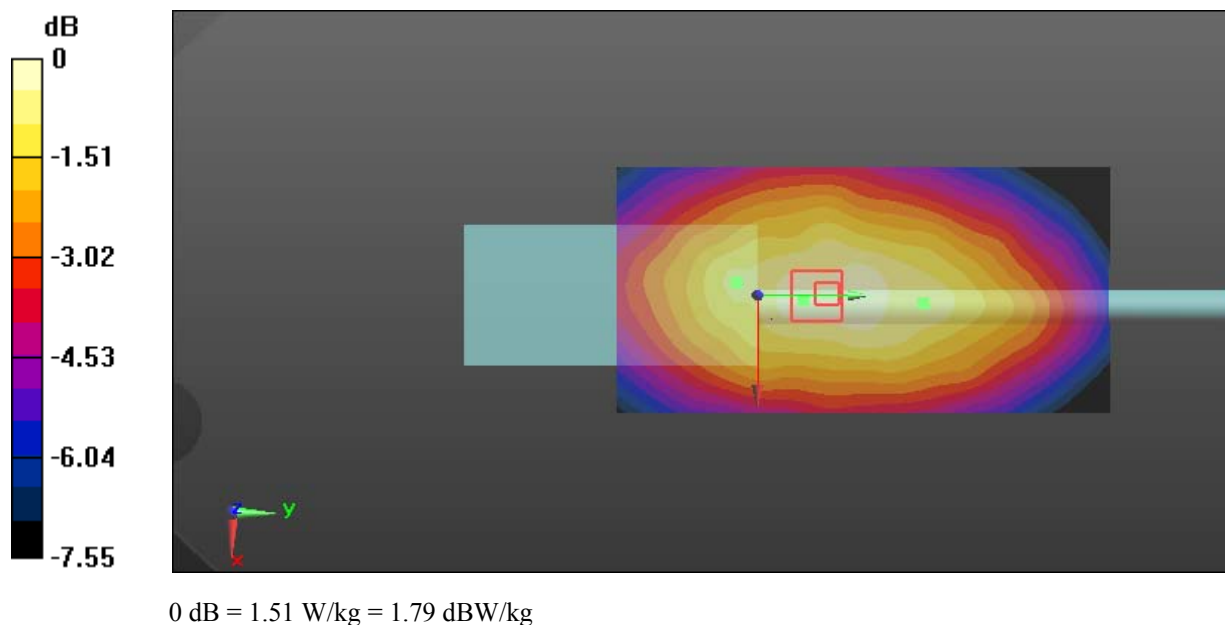
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.21 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.83 W/kg

**SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.823 W/kg**

Maximum value of SAR (measured) = 1.51 W/kg



**Test Plot 14#: PTT\_4FSK 12.5KHz\_Body Back\_136.0125 MHz****DUT: Digital Portable Radio; Type: PD702G VHF; Serial: 17090700720**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.814$  S/m;  $\epsilon_r = 60.812$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- 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) = 8.81 W/kg

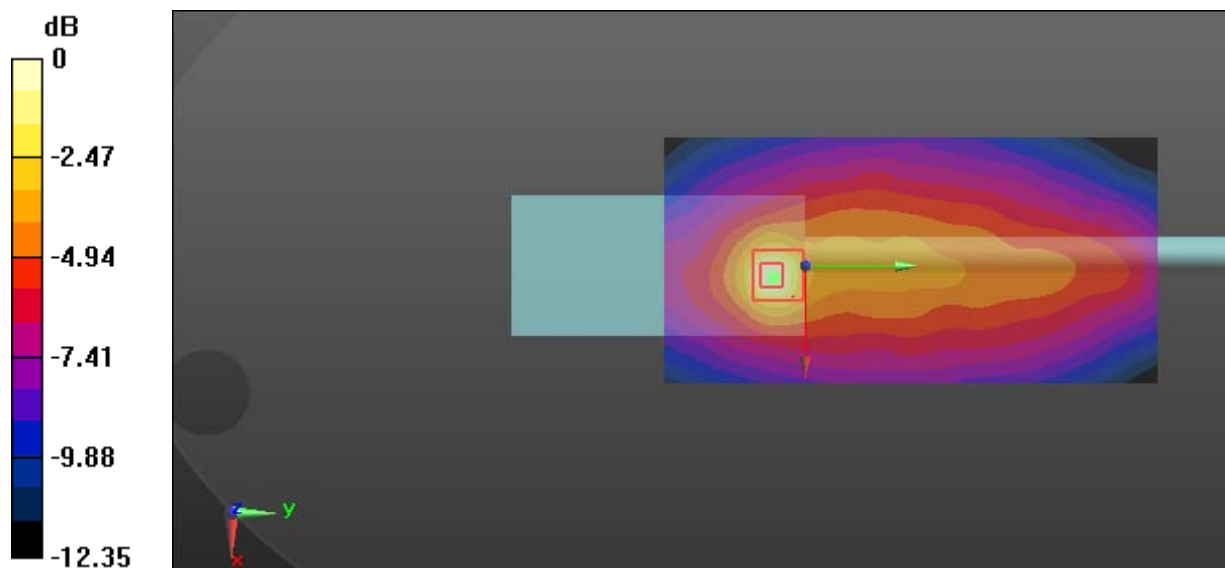
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 58.85 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 11.8 W/kg

**SAR(1 g) = 4.27 W/kg; SAR(10 g) = 2.4 W/kg**

Maximum value of SAR (measured) = 7.75 W/kg



0 dB = 7.75 W/kg = 8.89 dBW/kg