

**Test Plot 1#: PTT\_FM 12.5KHz\_Face Up\_164 MHz\_DM-5R****DUT: VHF/UHF Two Way Radio; Type: DM-5R; Serial: 16091805221**

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

Medium parameters used:  $f = 164 \text{ MHz}$ ;  $\sigma = 0.797 \text{ S/m}$ ;  $\epsilon_r = 51.481$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ 

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

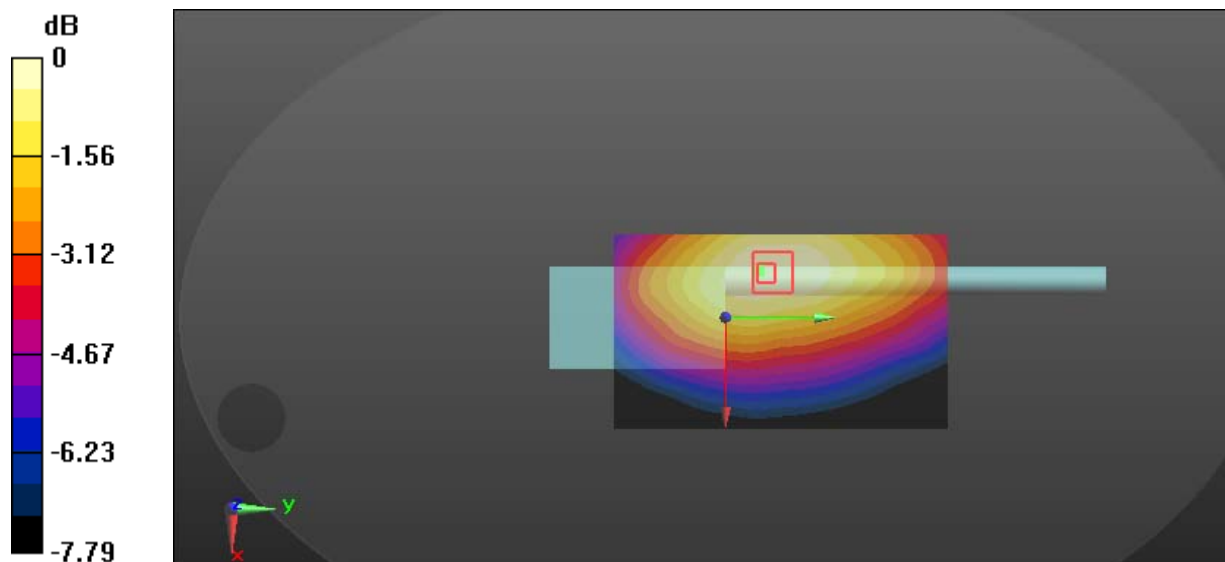
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 47.04 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 3.10 W/kg

**SAR(1 g) = 1.94 W/kg; SAR(10 g) = 1.45 W/kg**

Maximum value of SAR (measured) = 2.57 W/kg



0 dB = 2.57 W/kg = 4.10 dBW/kg

**Test Plot 2#: PTT\_FM 12.5KHz\_Face Up\_164 MHz\_DMR-5RA****DUT: VHF/UHF Two Way Radio; Type: DMR-5RA; Serial: 16091805222**

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

Medium parameters used:  $f = 164$  MHz;  $\sigma = 0.797$  S/m;  $\epsilon_r = 51.481$ ;  $\rho = 1000$  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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.40 W/kg

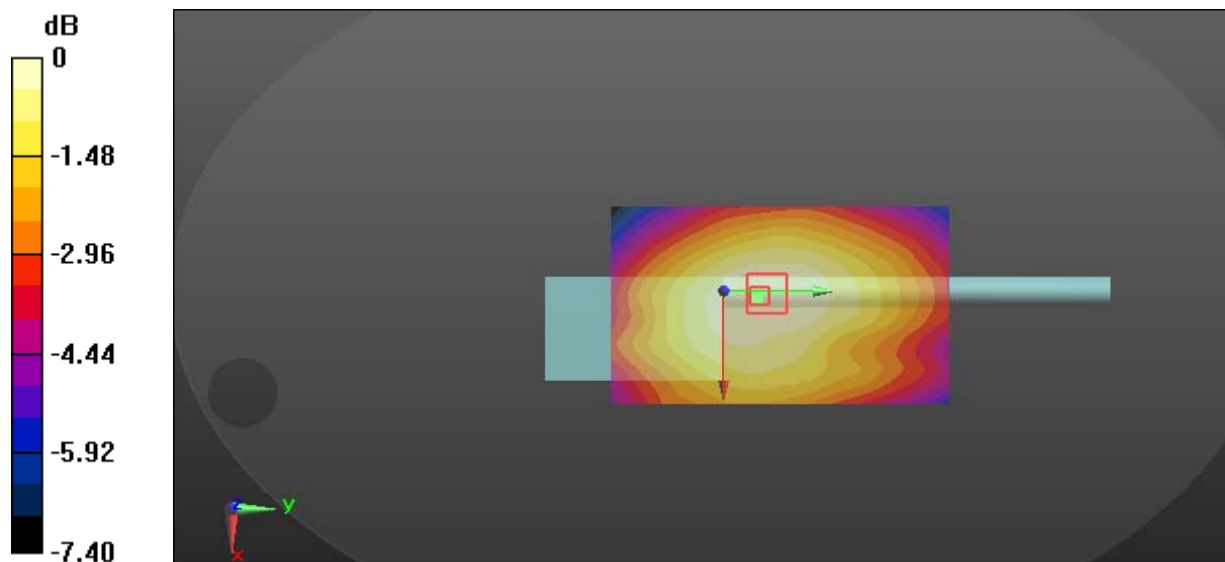
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 58.24 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 2.73 W/kg

**SAR(1 g) = 1.73 W/kg; SAR(10 g) = 1.32 W/kg**

Maximum value of SAR (measured) = 2.29 W/kg



0 dB = 2.29 W/kg = 3.60 dBW/kg

**Test Plot 3#: PTT\_FM 12.5KHz\_Face Up\_164 MHz\_DMR-5RB****DUT: VHF/UHF Two Way Radio; Type: DMR-5RB; Serial: 16091805223**

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

Medium parameters used:  $f = 164 \text{ MHz}$ ;  $\sigma = 0.797 \text{ S/m}$ ;  $\epsilon_r = 51.481$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ 

Maximum value of SAR (interpolated) = 3.39 W/kg

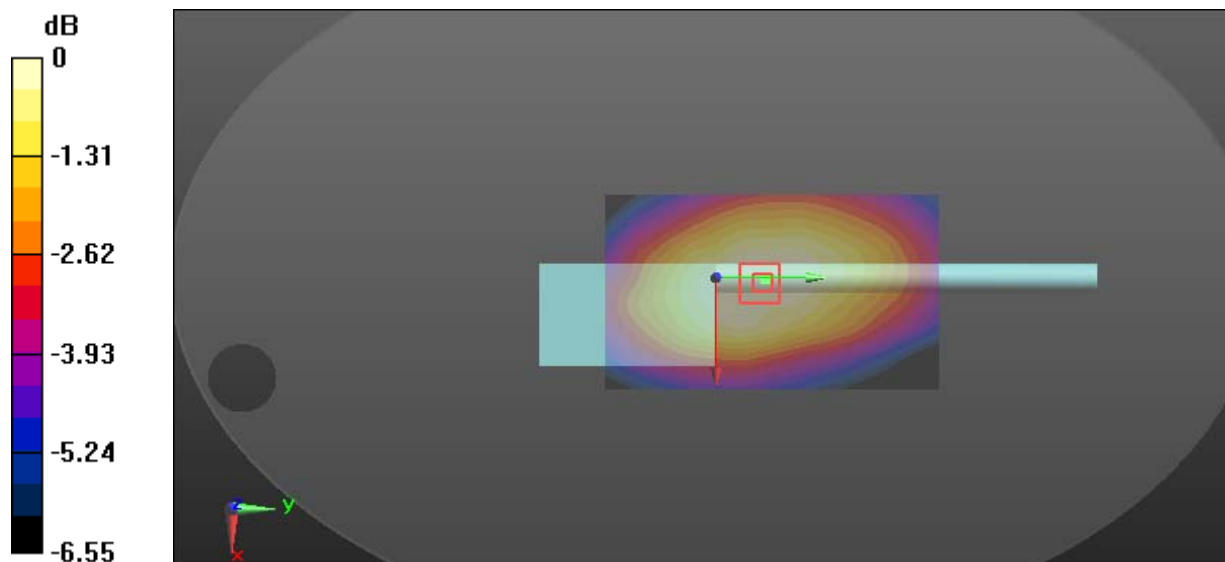
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 48.65 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.93 W/kg

**SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.96 W/kg**

Maximum value of SAR (measured) = 3.26 W/kg



0 dB = 3.26 W/kg = 5.13 dBW/kg

**Test Plot 4#: PTT\_FM 12.5KHz\_Face Up\_164 MHz\_DMR-5RC****DUT: VHF/UHF Two Way Radio; Type: DMR-5RC; Serial: 16091805224**

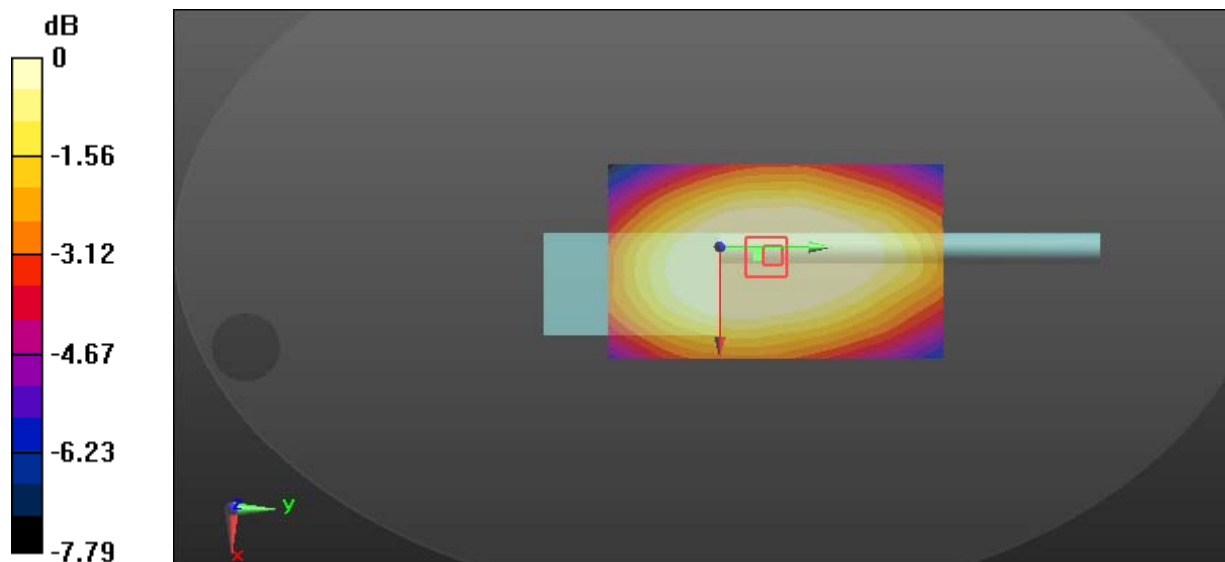
Communication System: FM; Frequency: 164 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 164 \text{ MHz}$ ;  $\sigma = 0.797 \text{ S/m}$ ;  $\epsilon_r = 51.481$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $2.71 \text{ W/kg}$ **Zoom Scan (8x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $58.56 \text{ V/m}$ ; Power Drift =  $-0.01 \text{ dB}$ Peak SAR (extrapolated) =  $3.32 \text{ W/kg}$ **SAR(1 g) =  $2.14 \text{ W/kg}$ ; SAR(10 g) =  $1.62 \text{ W/kg}$** Maximum value of SAR (measured) =  $2.83 \text{ W/kg}$ 0 dB =  $2.83 \text{ W/kg}$  =  $4.52 \text{ dBW/kg}$

**Test Plot 5#: PTT\_FM 12.5KHz\_Face Up\_136.0125 MHz\_DMR-5RE****DUT: VHF/UHF Two Way Radio; Type: DMR-5RE; Serial: 16091805225**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.772$  S/m;  $\epsilon_r = 52.55$ ;  $\rho = 1000$  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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.730 W/kg

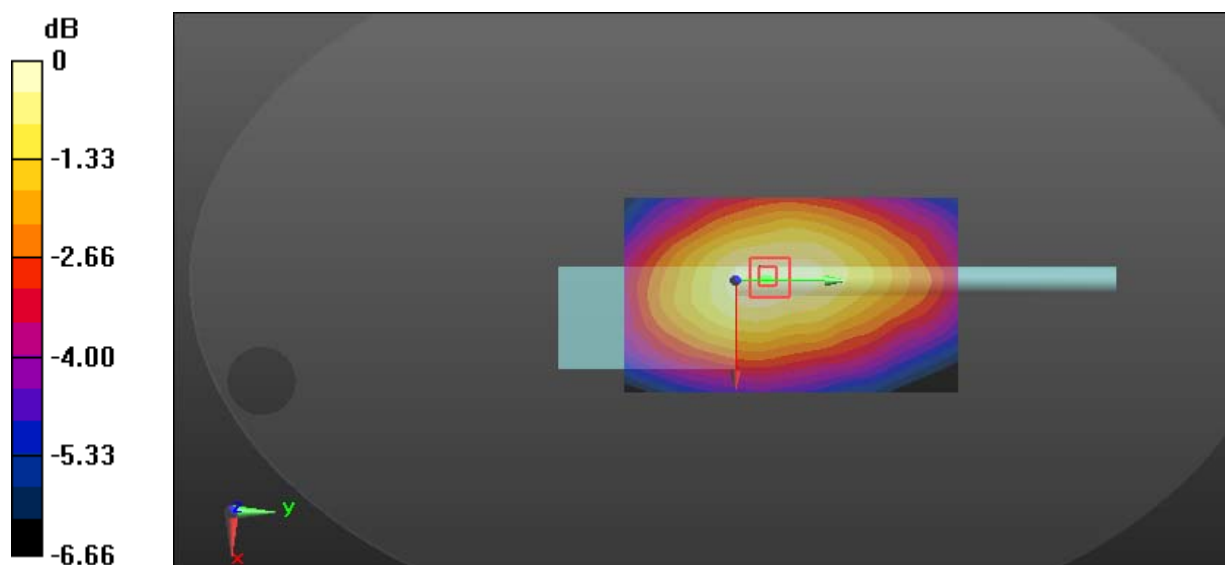
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.48 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.890 W/kg

**SAR(1 g) = 0.565 W/kg; SAR(10 g) = 0.430 W/kg**

Maximum value of SAR (measured) = 0.736 W/kg



0 dB = 0.736 W/kg = -1.33 dBW/kg

**Test Plot 6#: PTT\_FM 12.5KHz\_Face Up\_144 MHz\_DMR-5RE****DUT: VHF/UHF Two Way Radio; Type: DMR-5RE; Serial: 16091805225**

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

Medium parameters used:  $f = 144$  MHz;  $\sigma = 0.769$  S/m;  $\epsilon_r = 52.516$ ;  $\rho = 1000$  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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.76 W/kg

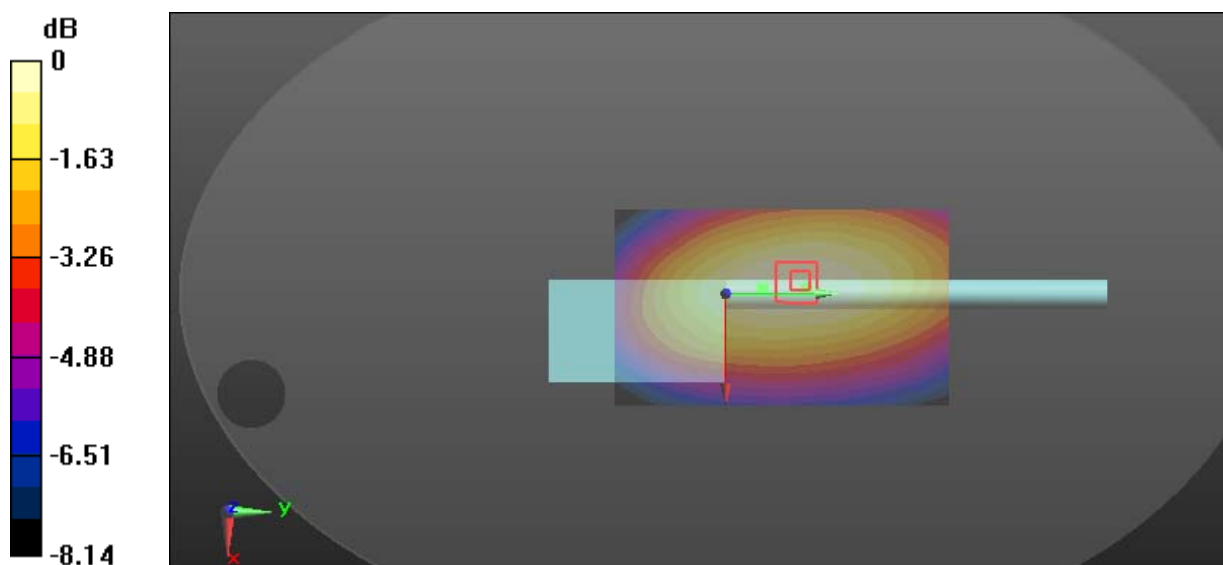
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.13 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 4.29 W/kg

**SAR(1 g) = 1.56 W/kg; SAR(10 g) = 0.880 W/kg**

Maximum value of SAR (measured) = 1.73 W/kg



0 dB = 1.73 W/kg = 2.38 dBW/kg

**Test Plot 7#: PTT\_FM 12.5KHz\_Face Up\_155 MHz\_DMR-5RE****DUT: VHF/UHF Two Way Radio; Type: DMR-5RE; Serial: 16091805225**

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

Medium parameters used:  $f = 155 \text{ MHz}$ ;  $\sigma = 0.774 \text{ S/m}$ ;  $\epsilon_r = 52.301$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ 

Maximum value of SAR (interpolated) = 2.97 W/kg

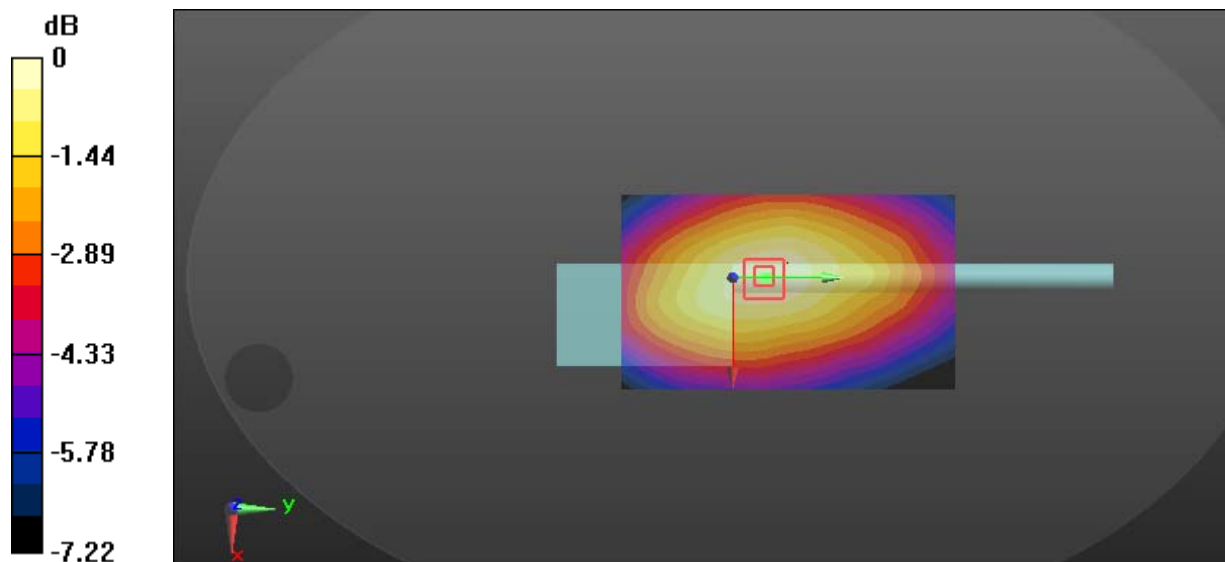
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 61.89 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 3.54 W/kg

**SAR(1 g) = 2.23 W/kg; SAR(10 g) = 1.68 W/kg**

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



0 dB = 2.94 W/kg = 4.68 dBW/kg

**Test Plot 8#: PTT\_FM 12.5KHz\_Face Up\_164 MHz\_DMR-5RE****DUT: VHF/UHF Two Way Radio; Type: DMR-5RE; Serial: 16091805225**

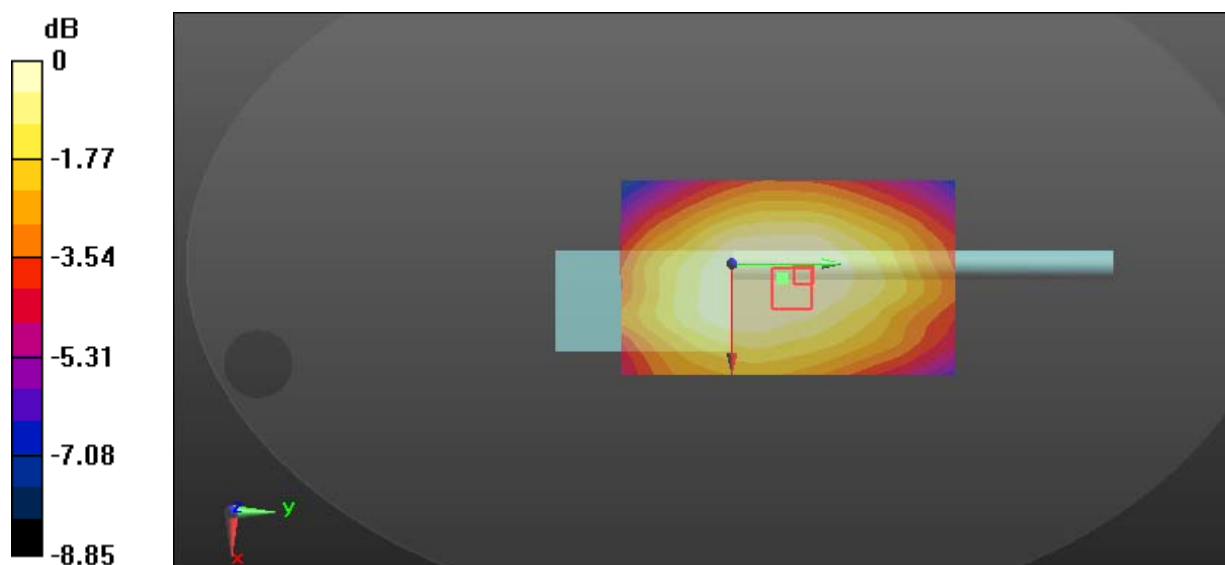
Communication System: FM; Frequency: 164 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 164 \text{ MHz}$ ;  $\sigma = 0.797 \text{ S/m}$ ;  $\epsilon_r = 51.481$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $3.63 \text{ W/kg}$ **Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $56.83 \text{ V/m}$ ; Power Drift =  $-0.14 \text{ dB}$ Peak SAR (extrapolated) =  $8.78 \text{ W/kg}$ **SAR(1 g) =  $2.75 \text{ W/kg}$ ; SAR(10 g) =  $1.57 \text{ W/kg}$** Maximum value of SAR (measured) =  $3.42 \text{ W/kg}$ 0 dB =  $3.42 \text{ W/kg}$  =  $5.34 \text{ dBW/kg}$



**Test Plot 9#: PTT\_FM 12.5KHz\_Face Up\_173.9875 MHz\_DMR-5RE****DUT: VHF/UHF Two Way Radio; Type: DMR-5RE; Serial: 16091805225**

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

Medium parameters used:  $f = 173.988 \text{ MHz}$ ;  $\sigma = 0.793 \text{ S/m}$ ;  $\epsilon_r = 50.501$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ 

Maximum value of SAR (interpolated) = 1.86 W/kg

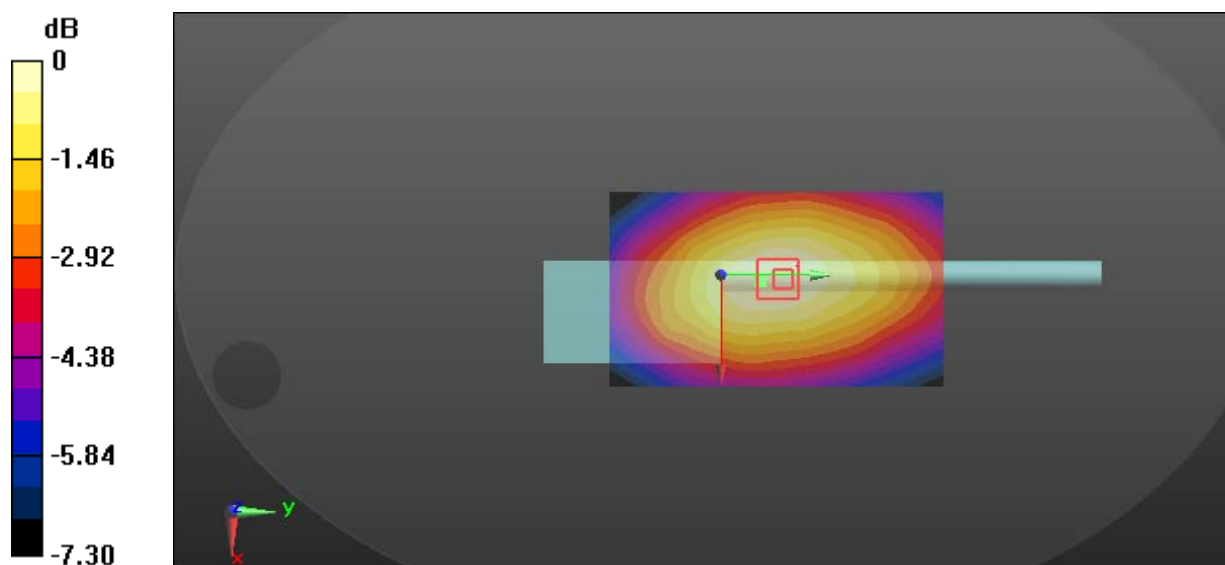
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 43.48 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.18 W/kg

**SAR(1 g) = 1.39 W/kg; SAR(10 g) = 1.05 W/kg**

Maximum value of SAR (measured) = 1.82 W/kg



0 dB = 1.82 W/kg = 2.60 dBW/kg

**Test Plot 10#: PTT\_FM 12.5KHz\_Face Up\_164 MHz\_GT-3 DMR****DUT: VHF/UHF Two Way Radio; Type: GT-3 DMR; Serial: 16091805226**

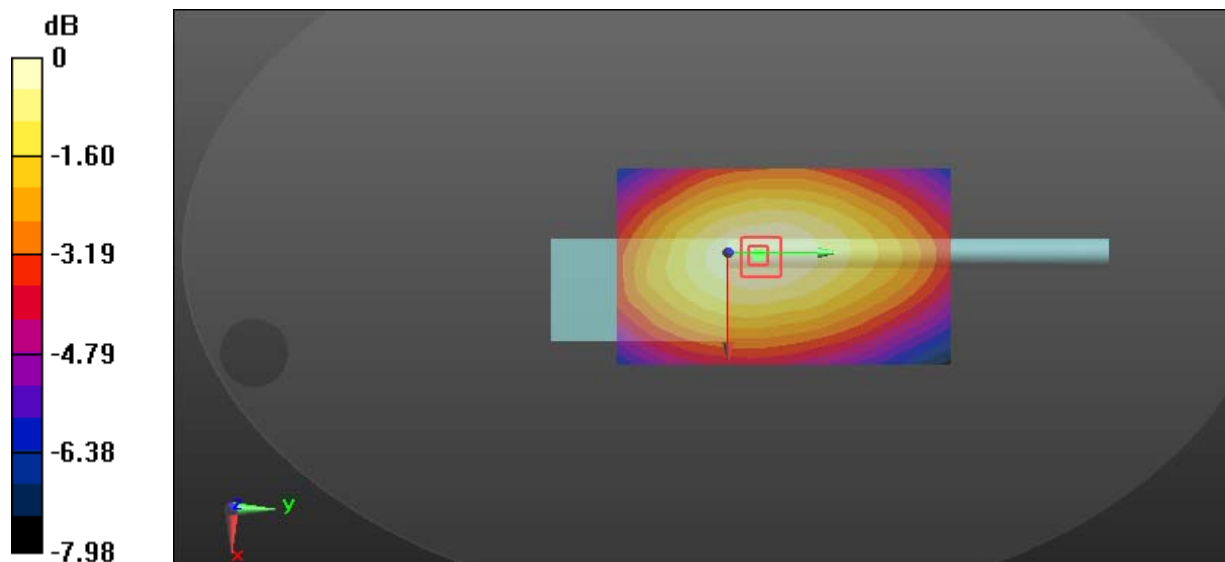
Communication System: FM; Frequency: 164 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 164 \text{ MHz}$ ;  $\sigma = 0.797 \text{ S/m}$ ;  $\epsilon_r = 51.481$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $3.50 \text{ W/kg}$ **Zoom Scan (8x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $55.34 \text{ V/m}$ ; Power Drift =  $-0.19 \text{ dB}$ Peak SAR (extrapolated) =  $4.04 \text{ W/kg}$ **SAR(1 g) =  $2.57 \text{ W/kg}$ ; SAR(10 g) =  $1.96 \text{ W/kg}$** Maximum value of SAR (measured) =  $3.39 \text{ W/kg}$ 0 dB =  $3.39 \text{ W/kg} = 5.30 \text{ dBW/kg}$

**Test Plot 11#: PTT\_FM 12.5KHz\_Body Back\_155 MHz\_DM-5R****DUT: VHF/UHF Two Way Radio; Type: DM-5R; Serial: 16091805221**

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

Medium parameters used:  $f = 155 \text{ MHz}$ ;  $\sigma = 0.824 \text{ S/m}$ ;  $\epsilon_r = 60.326$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ 

Maximum value of SAR (interpolated) = 3.22 W/kg

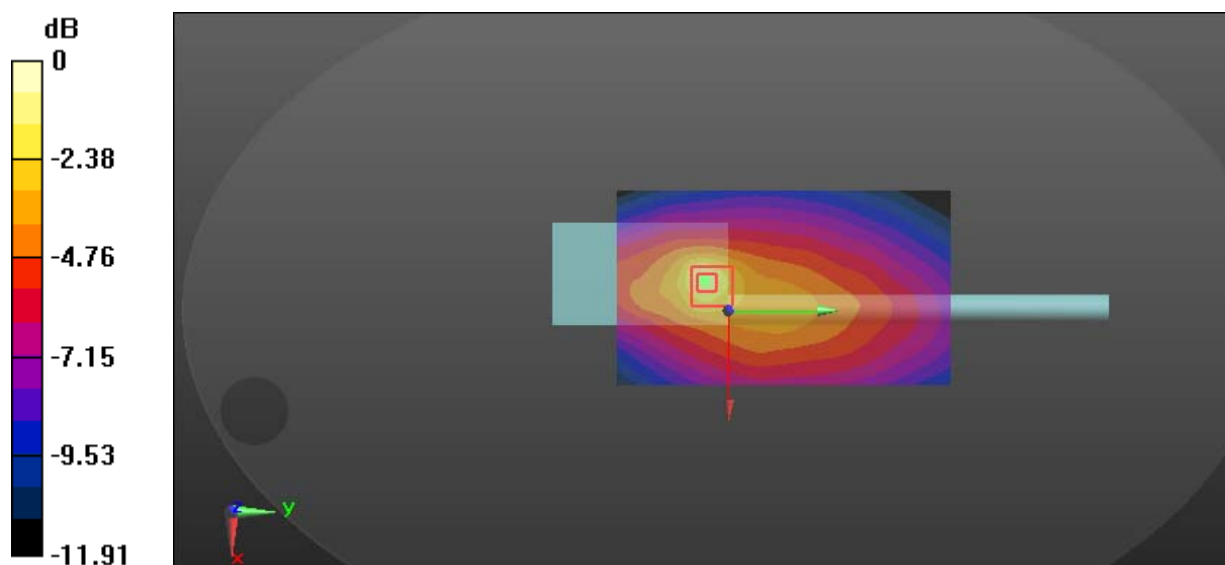
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 41.50 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 6.45 W/kg

**SAR(1 g) = 2.04 W/kg; SAR(10 g) = 1.21 W/kg**

Maximum value of SAR (measured) = 3.95 W/kg



0 dB = 3.95 W/kg = 5.97 dBW/kg

**Test Plot 12#: PTT\_FM 12.5KHz\_Body Back\_155 MHz\_DMR-5RA****DUT: VHF/UHF Two Way Radio; Type: DMR-5RA; Serial: 16091805222**

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

Medium parameters used:  $f = 155 \text{ MHz}$ ;  $\sigma = 0.824 \text{ S/m}$ ;  $\epsilon_r = 60.326$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ 

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

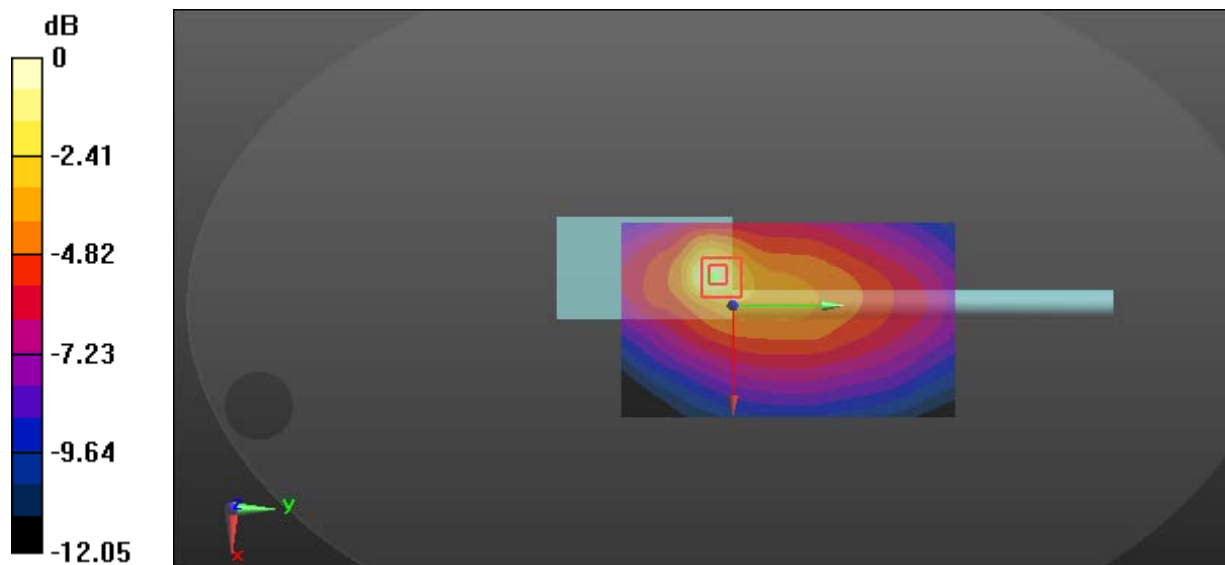
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 45.35 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 8.71 W/kg

**SAR(1 g) = 2.61 W/kg; SAR(10 g) = 1.46 W/kg**

Maximum value of SAR (measured) = 4.62 W/kg



0 dB = 4.62 W/kg = 6.65 dBW/kg

**Test Plot 13#: PTT\_FM 12.5KHz\_Body Back\_155 MHz\_DMR-5RB****DUT: VHF/UHF Two Way Radio; Type: DMR-5RB; Serial: 16091805223**

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

Medium parameters used:  $f = 155 \text{ MHz}$ ;  $\sigma = 0.824 \text{ S/m}$ ;  $\epsilon_r = 60.326$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ 

Maximum value of SAR (interpolated) = 4.01 W/kg

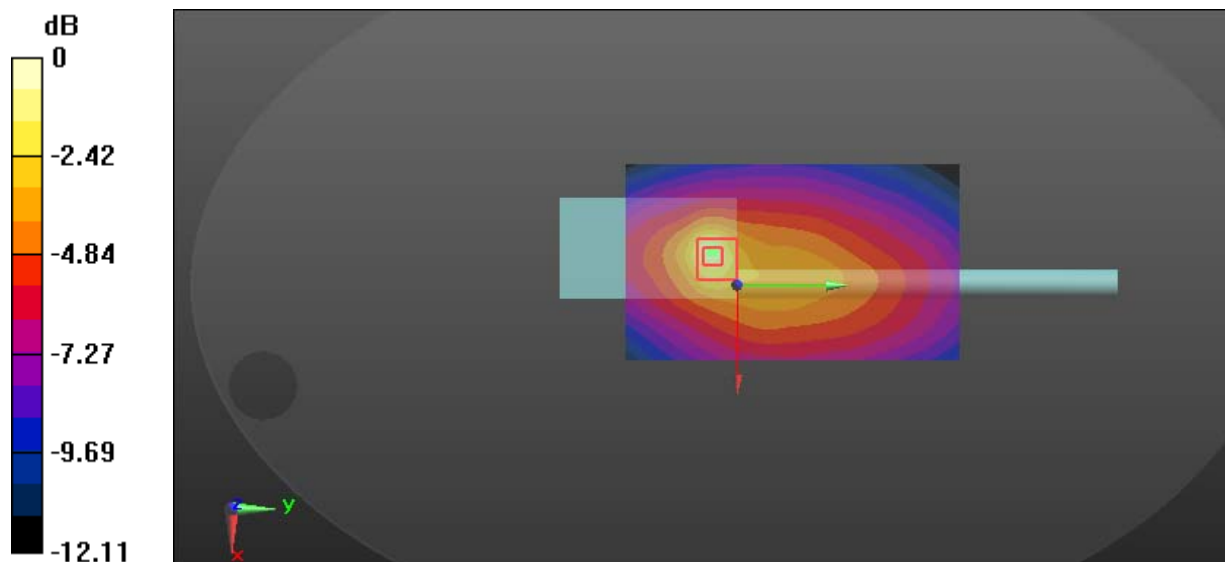
**Zoom Scan (8x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 44.74 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 6.17 W/kg

**SAR(1 g) = 2.31 W/kg; SAR(10 g) = 1.36 W/kg**

Maximum value of SAR (measured) = 4.14 W/kg



0 dB = 4.14 W/kg = 6.17 dBW/kg

**Test Plot 14#: PTT\_FM 12.5KHz\_Body Back\_155 MHz\_DMR-5RC****DUT: VHF/UHF Two Way Radio; Type: DMR-5RC; Serial: 16091805224**

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

Medium parameters used:  $f = 155$  MHz;  $\sigma = 0.824$  S/m;  $\epsilon_r = 60.326$ ;  $\rho = 1000$  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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

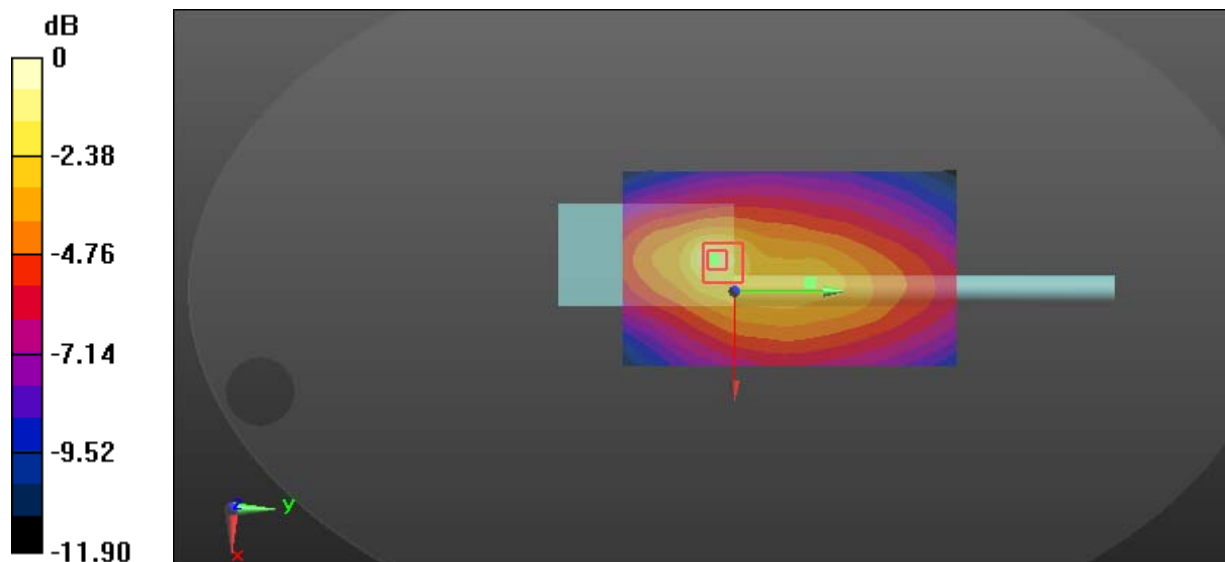
**Zoom Scan (8x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.77 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 4.93 W/kg

**SAR(1 g) = 1.78 W/kg; SAR(10 g) = 1.07 W/kg**

Maximum value of SAR (measured) = 3.13 W/kg



0 dB = 3.13 W/kg = 4.96 dBW/kg

**Test Plot 15#: PTT\_FM 12.5KHz\_Body Back\_155 MHz\_DMR-5RE****DUT: VHF/UHF Two Way Radio; Type: DMR-5RE; Serial: 16091805225**

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

Medium parameters used:  $f = 155 \text{ MHz}$ ;  $\sigma = 0.824 \text{ S/m}$ ;  $\epsilon_r = 60.326$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ 

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

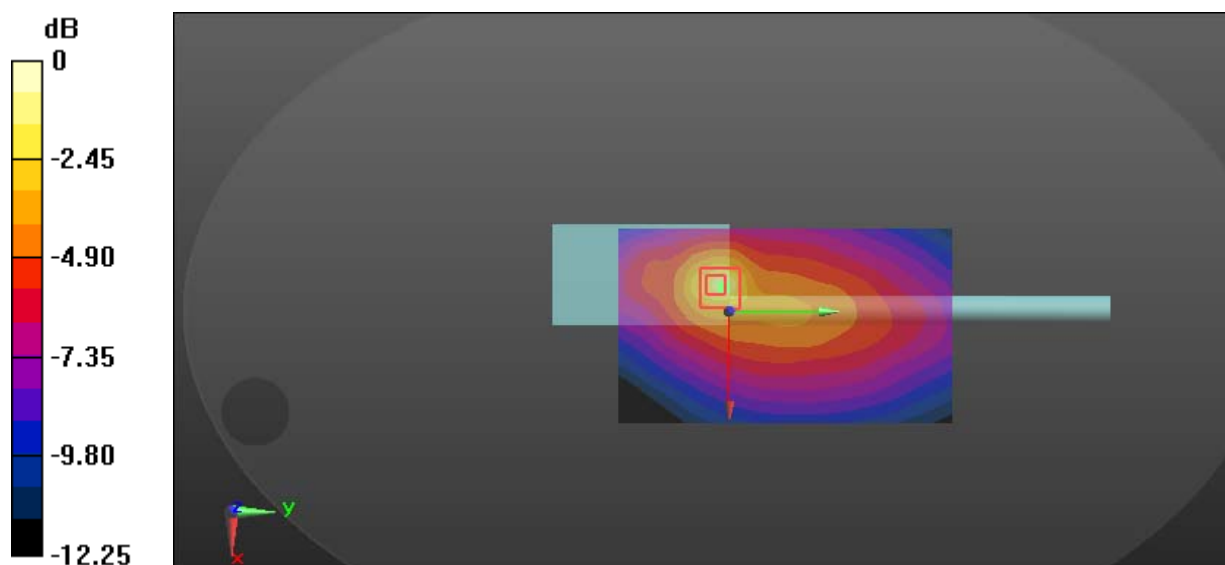
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 47.38 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 10.1 W/kg

**SAR(1 g) = 2.78 W/kg; SAR(10 g) = 1.55 W/kg**

Maximum value of SAR (measured) = 5.38 W/kg



**Test Plot 16#: PTT\_FM 12.5KHz\_Body Back\_136.0125 MHz\_GT-3 DMR****DUT: VHF/UHF Two Way Radio; Type: GT-3 DMR; Serial: 16091805226**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.82$  S/m;  $\epsilon_r = 61.832$ ;  $\rho = 1000$  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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.59 W/kg

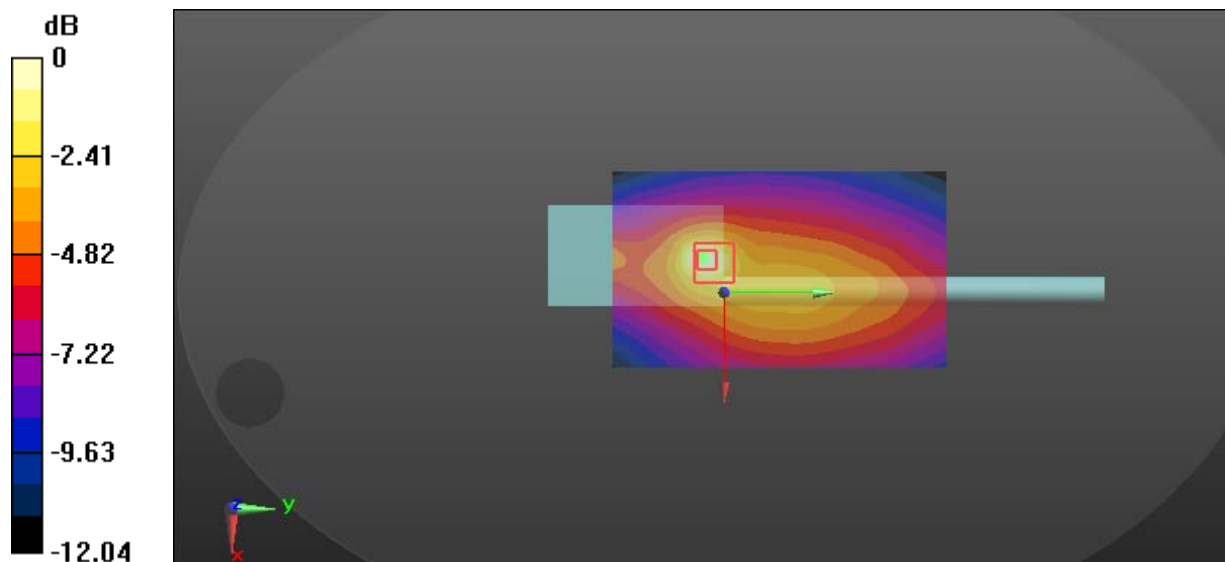
**Zoom Scan (8x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.04 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 4.25 W/kg

**SAR(1 g) = 1.42 W/kg; SAR(10 g) = 0.843 W/kg**

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



0 dB = 2.61 W/kg = 4.17 dBW/kg



**Test Plot 17#: PTT\_FM 12.5KHz\_Body Back\_144 MHz\_GT-3 DMR****DUT: VHF/UHF Two Way Radio; Type: GT-3 DMR; Serial: 16091805226**

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

Medium parameters used:  $f = 144$  MHz;  $\sigma = 0.821$  S/m;  $\epsilon_r = 60.813$ ;  $\rho = 1000$  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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.38 W/kg

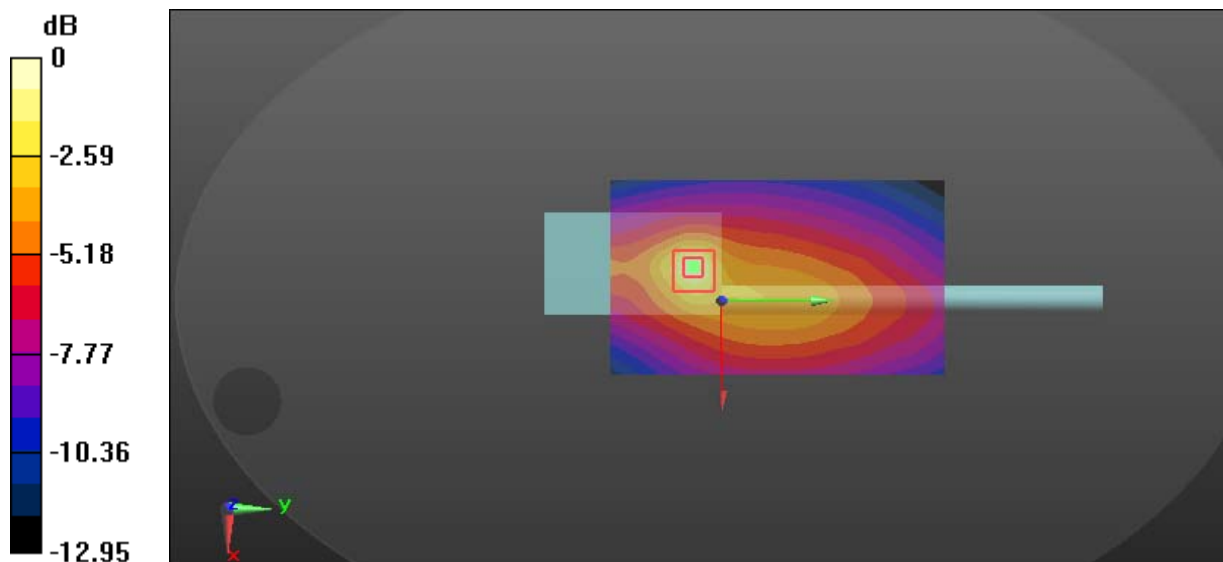
**Zoom Scan (9x7x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 43.48 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 6.04 W/kg

**SAR(1 g) = 2.06 W/kg; SAR(10 g) = 1.19 W/kg**

Maximum value of SAR (measured) = 3.28 W/kg



0 dB = 3.28 W/kg = 5.16 dBW/kg

**Test Plot 18#: PTT\_FM 12.5KHz\_Body Back\_155 MHz\_GT-3 DMR****DUT: VHF/UHF Two Way Radio; Type: GT-3 DMR; Serial: 16091805226**

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

Medium parameters used:  $f = 155$  MHz;  $\sigma = 0.824$  S/m;  $\epsilon_r = 60.326$ ;  $\rho = 1000$  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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.23 W/kg

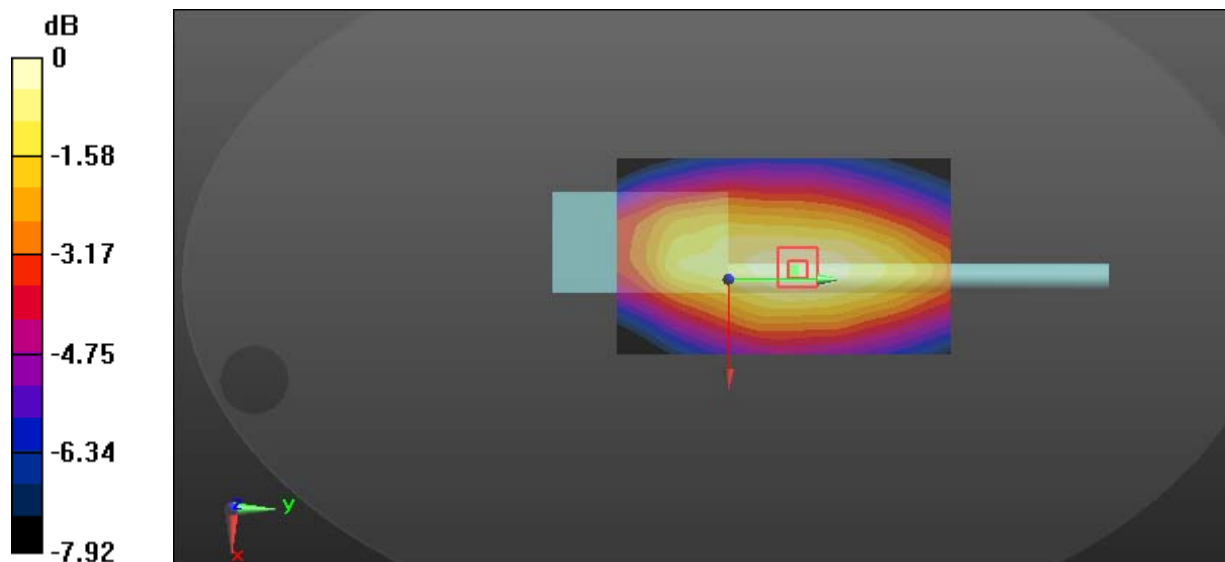
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.92 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 5.18 W/kg

**SAR(1 g) = 3.18 W/kg; SAR(10 g) = 2.38 W/kg**

Maximum value of SAR (measured) = 4.26 W/kg



0 dB = 4.26 W/kg = 6.29 dBW/kg

**Test Plot 19#: PTT\_FM 12.5KHz\_Body Back\_164 MHz\_GT-3 DMR****DUT: VHF/UHF Two Way Radio; Type: GT-3 DMR; Serial: 16091805226**

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

Medium parameters used:  $f = 164 \text{ MHz}$ ;  $\sigma = 0.841 \text{ S/m}$ ;  $\epsilon_r = 59.777$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ 

Maximum value of SAR (interpolated) = 3.97 W/kg

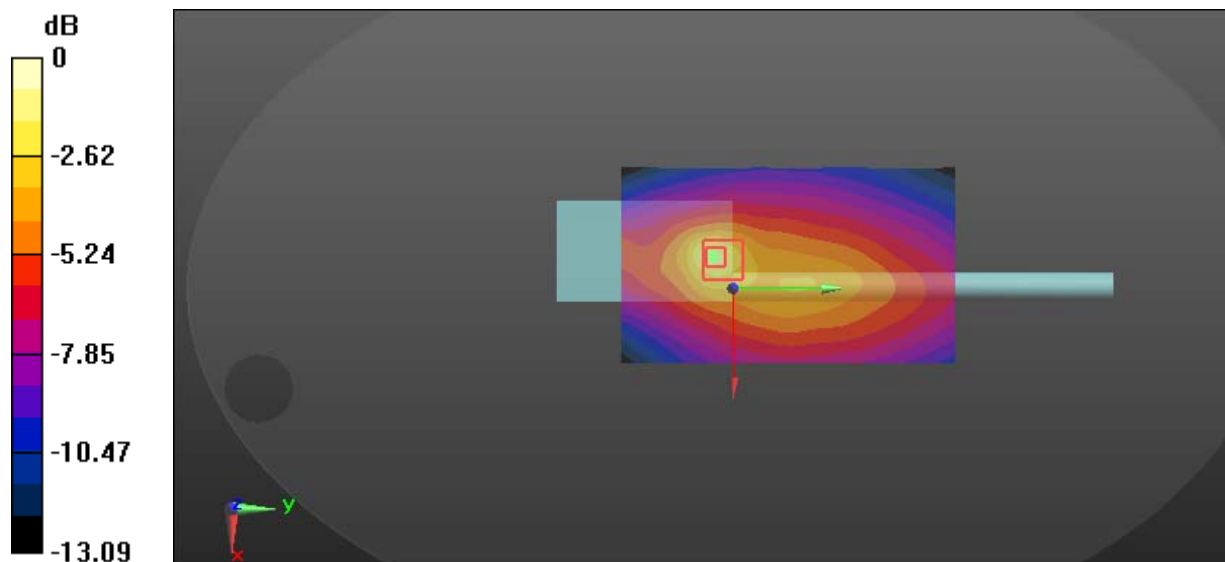
**Zoom Scan (8x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 45.49 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 9.04 W/kg

**SAR(1 g) = 2.63 W/kg; SAR(10 g) = 1.5 W/kg**

Maximum value of SAR (measured) = 5.25 W/kg



0 dB = 5.25 W/kg = 7.20 dBW/kg

**Test Plot 20#: PTT\_FM 12.5KHz\_Body Back\_173.9875 MHz\_GT-3 DMR****DUT: VHF/UHF Two Way Radio; Type: GT-3 DMR; Serial: 16091805226**

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

Medium parameters used:  $f = 173.988$  MHz;  $\sigma = 0.85$  S/m;  $\epsilon_r = 59.803$ ;  $\rho = 1000$  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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.96 W/kg

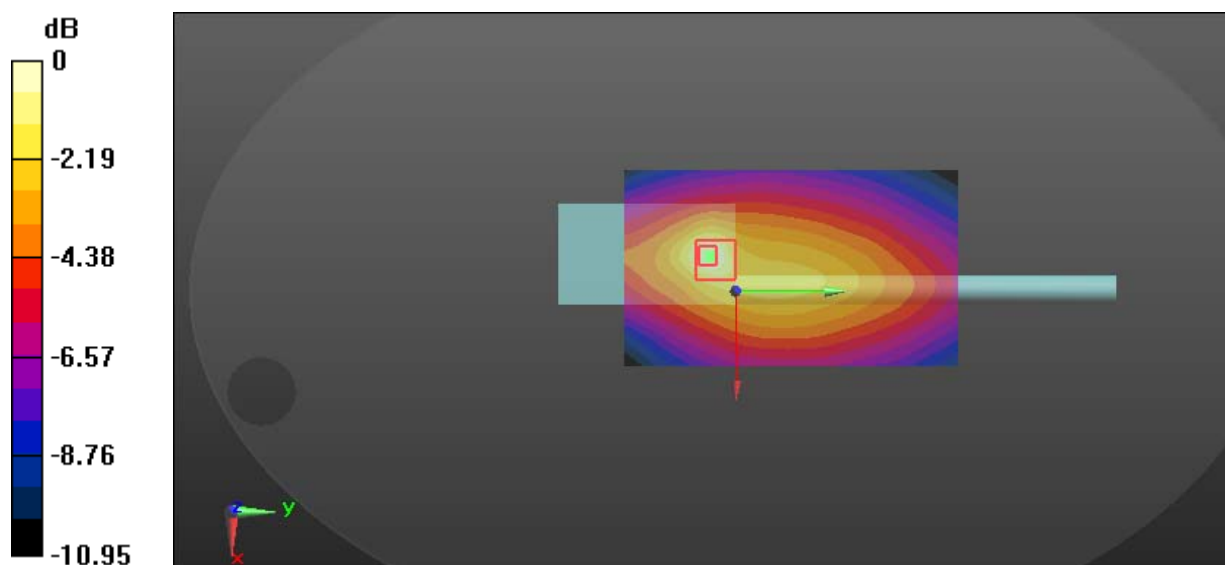
**Zoom Scan (8x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.32 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 4.00 W/kg

**SAR(1 g) = 1.62 W/kg; SAR(10 g) = 1.04 W/kg**

Maximum value of SAR (measured) = 2.56 W/kg



0 dB = 2.56 W/kg = 4.08 dBW/kg

**Test Plot 21#: PTT\_4FSK 12.5KHz\_Face Up\_164 MHz\_DM-5R****DUT: VHF/UHF Two Way Radio; Type: DM-5R; Serial: 16091805221**

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

Medium parameters used:  $f = 164$  MHz;  $\sigma = 0.797$  S/m;  $\epsilon_r = 51.481$ ;  $\rho = 1000$  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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.26 W/kg

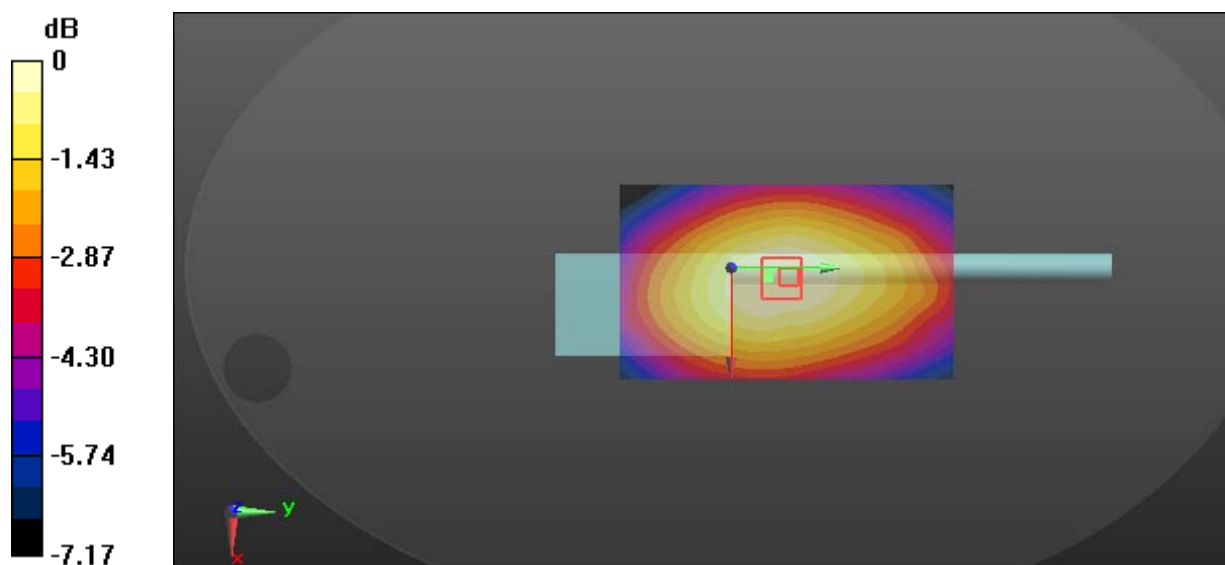
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.69 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.46 W/kg

**SAR(1 g) = 0.911 W/kg; SAR(10 g) = 0.688 W/kg**

Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.21 W/kg = 0.83 dBW/kg

**Test Plot 22#: PTT\_4FSK 12.5KHz\_Face Up\_164 MHz\_DMR-5RA****DUT: VHF/UHF Two Way Radio; Type: DMR-5RA; Serial: 16091805222**

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

Medium parameters used:  $f = 164 \text{ MHz}$ ;  $\sigma = 0.797 \text{ S/m}$ ;  $\epsilon_r = 51.481$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ 

Maximum value of SAR (interpolated) = 1.45 W/kg

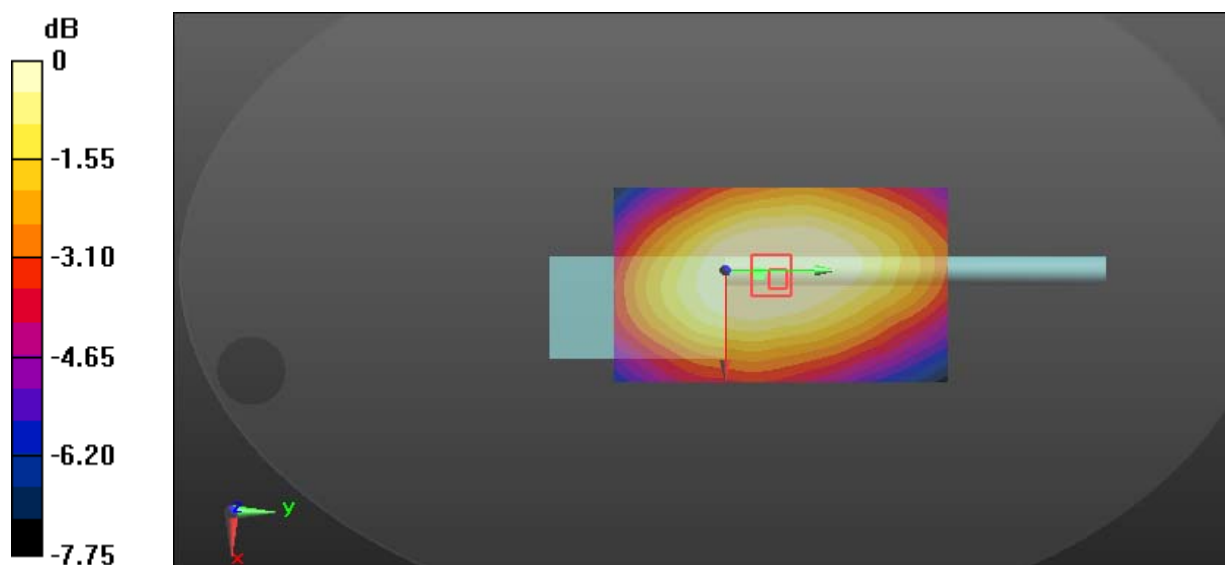
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 40.03 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.72 W/kg

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.821 W/kg**

Maximum value of SAR (measured) = 1.41 W/kg



0 dB = 1.41 W/kg = 1.49 dBW/kg

**Test Plot 23#: PTT\_4FSK 12.5KHz\_Face Up\_164 MHz\_DMR-5RB****DUT: VHF/UHF Two Way Radio; Type: DMR-5RB; Serial: 16091805223**

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

Medium parameters used:  $f = 164 \text{ MHz}$ ;  $\sigma = 0.797 \text{ S/m}$ ;  $\epsilon_r = 51.481$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ 

Maximum value of SAR (interpolated) = 1.78 W/kg

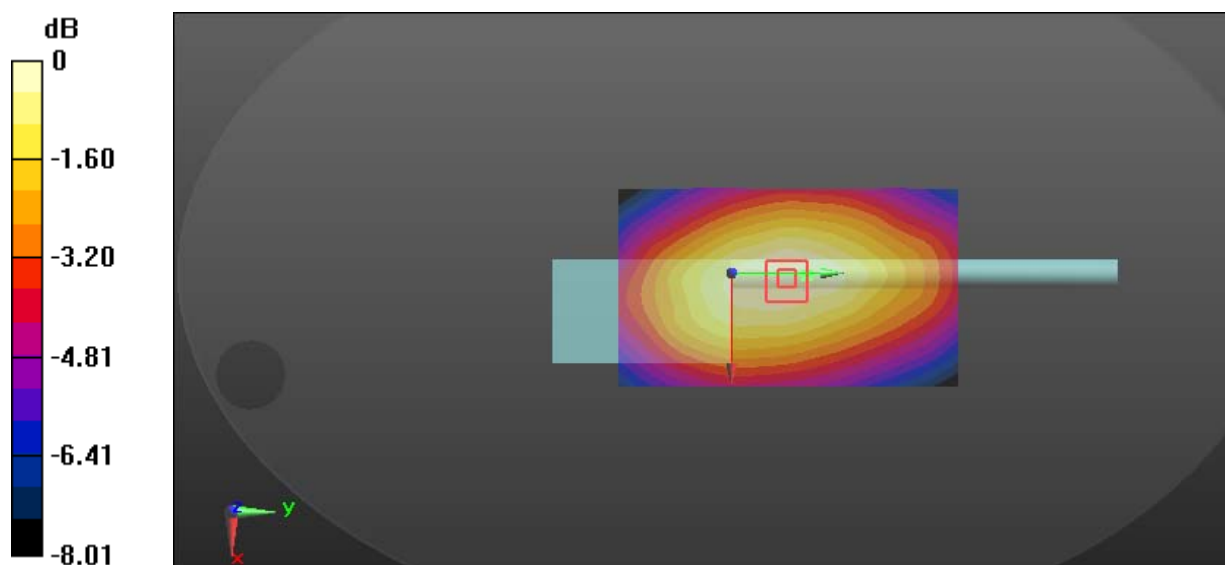
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 38.16 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.13 W/kg

**SAR(1 g) = 1.32 W/kg; SAR(10 g) = 0.985 W/kg**

Maximum value of SAR (measured) = 1.78 W/kg



0 dB = 1.78 W/kg = 2.50 dBW/kg

**Test Plot 24#: PTT\_4FSK 12.5KHz\_Face Up\_164 MHz\_DMR-5RC****DUT: VHF/UHF Two Way Radio; Type: DMR-5RC; Serial: 16091805224**

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

Medium parameters used:  $f = 164$  MHz;  $\sigma = 0.797$  S/m;  $\epsilon_r = 51.481$ ;  $\rho = 1000$  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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.66 W/kg

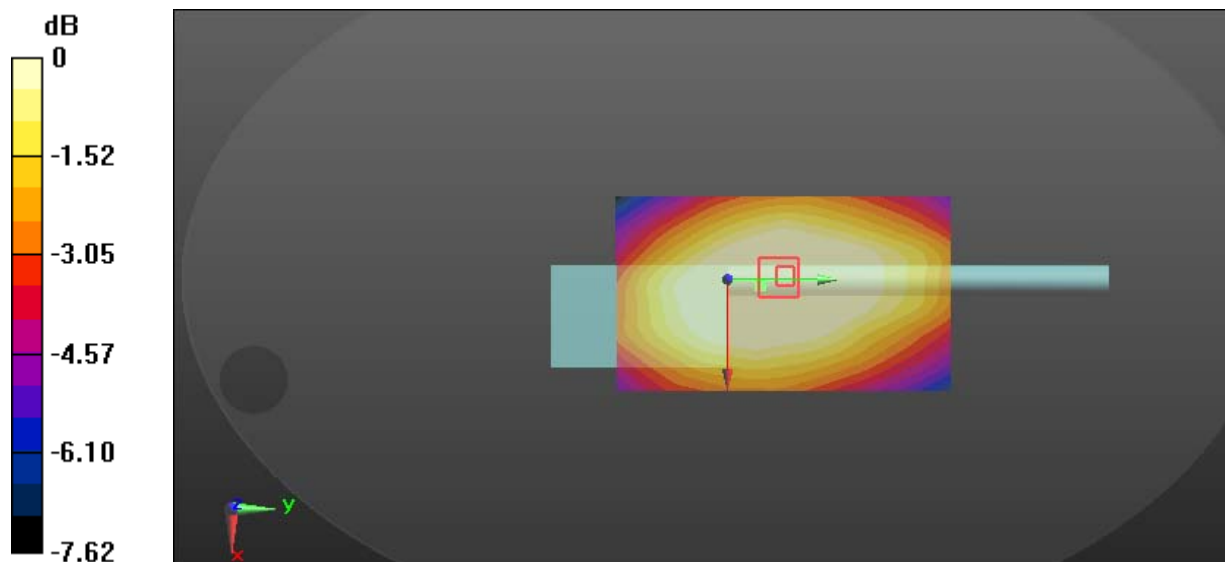
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 47.89 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.81 W/kg

**SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.855 W/kg**

Maximum value of SAR (measured) = 1.49 W/kg



0 dB = 1.49 W/kg = 1.73 dBW/kg



**Test Plot 25#: PTT\_4FSK 12.5KHz\_Face Up\_164 MHz\_DMR-5RE****DUT: VHF/UHF Two Way Radio; Type: DMR-5RE; Serial: 16091805225**

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

Medium parameters used:  $f = 164$  MHz;  $\sigma = 0.797$  S/m;  $\epsilon_r = 51.481$ ;  $\rho = 1000$  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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.64 W/kg

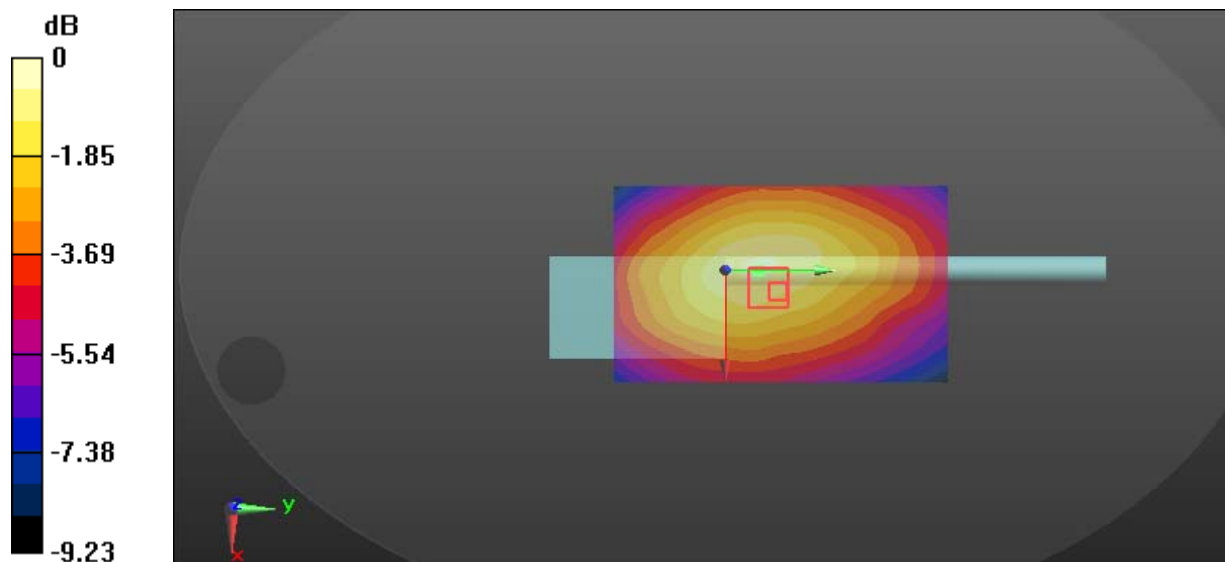
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.11 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.37 W/kg

**SAR(1 g) = 1.43 W/kg; SAR(10 g) = 1.07 W/kg**

Maximum value of SAR (measured) = 1.85 W/kg



0 dB = 1.85 W/kg = 2.67 dBW/kg

**Test Plot 26#: PTT\_4FSK 12.5KHz\_Face Up\_164 MHz\_GT-3 DMR****DUT: VHF/UHF Two Way Radio; Type: GT-3 DMR; Serial: 16091805226**

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

Medium parameters used:  $f = 164 \text{ MHz}$ ;  $\sigma = 0.797 \text{ S/m}$ ;  $\epsilon_r = 51.481$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ 

Maximum value of SAR (interpolated) = 1.72 W/kg

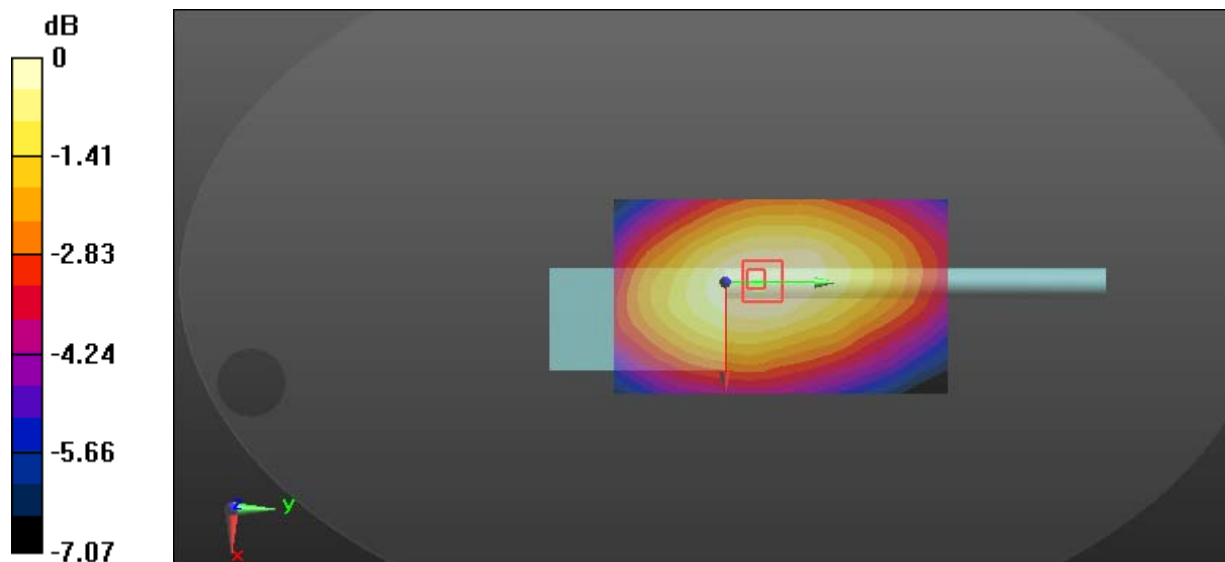
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 39.23 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.99 W/kg

**SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.973 W/kg**

Maximum value of SAR (measured) = 1.66 W/kg



0 dB = 1.66 W/kg = 2.20 dBW/kg

**Test Plot 27#: PTT\_4FSK 12.5KHz\_Body Back\_155 MHz\_DM-5R****DUT: VHF/UHF Two Way Radio; Type: DM-5R; Serial: 16091805221**

Communication System: 4FSK; Frequency: 155 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 155$  MHz;  $\sigma = 0.824$  S/m;  $\epsilon_r = 60.326$ ;  $\rho = 1000$  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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.03 W/kg

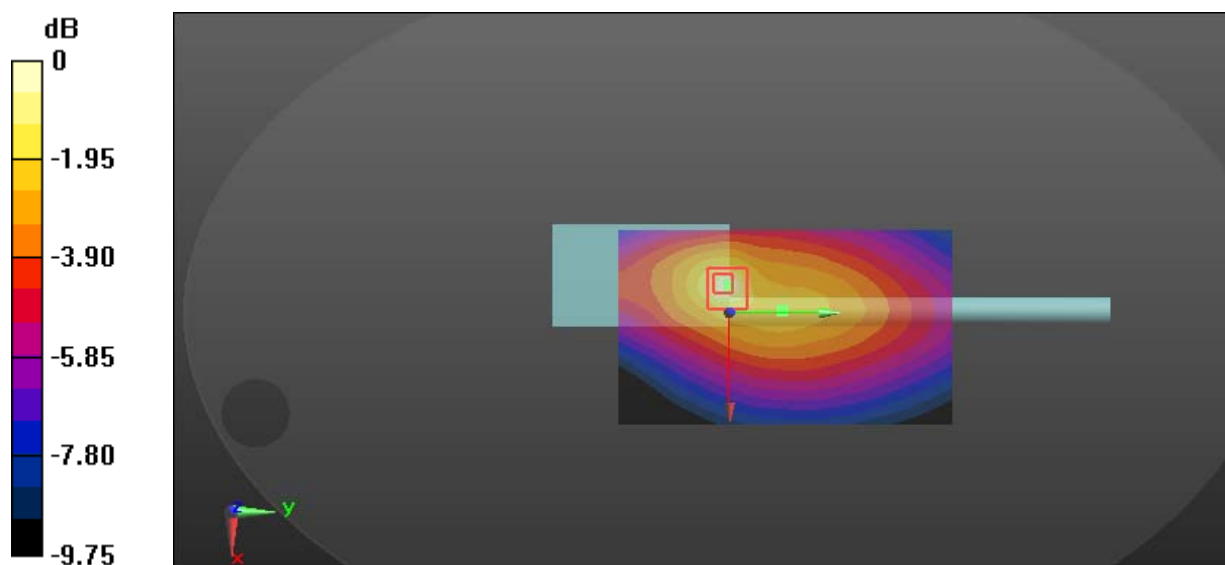
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.23 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.12 W/kg

**SAR(1 g) = 1.35 W/kg; SAR(10 g) = 0.863 W/kg**

Maximum value of SAR (measured) = 2.10 W/kg



**Test Plot 28#: PTT\_4FSK 12.5KHz\_Body Back\_155 MHz\_DMR-5RA****DUT: VHF/UHF Two Way Radio; Type: DMR-5RA; Serial: 16091805222**

Communication System: 4FSK; Frequency: 155 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 155$  MHz;  $\sigma = 0.824$  S/m;  $\epsilon_r = 60.326$ ;  $\rho = 1000$  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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.35 W/kg

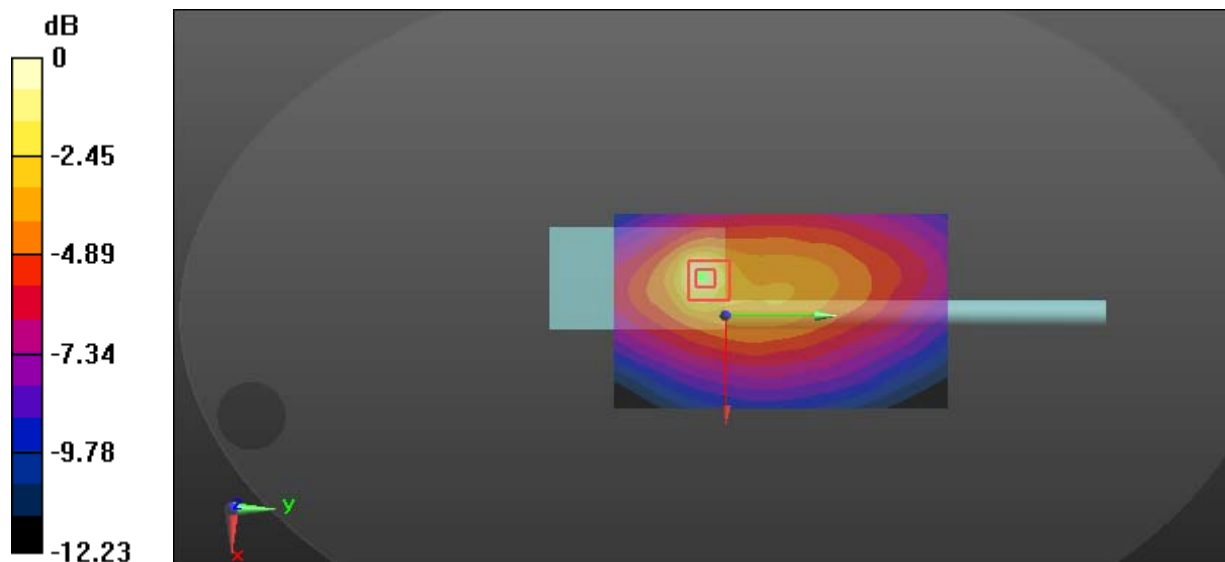
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.32 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 4.26 W/kg

**SAR(1 g) = 1.37 W/kg; SAR(10 g) = 0.796 W/kg**

Maximum value of SAR (measured) = 2.55 W/kg



0 dB = 2.55 W/kg = 4.07 dBW/kg

**Test Plot 29#: PTT\_4FSK 12.5KHz\_Body Back\_155 MHz\_DMR-5RB****DUT: VHF/UHF Two Way Radio; Type: DMR-5RB; Serial: 16091805223**

Communication System: 4FSK; Frequency: 155 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 155$  MHz;  $\sigma = 0.824$  S/m;  $\epsilon_r = 60.326$ ;  $\rho = 1000$  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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.03 W/kg

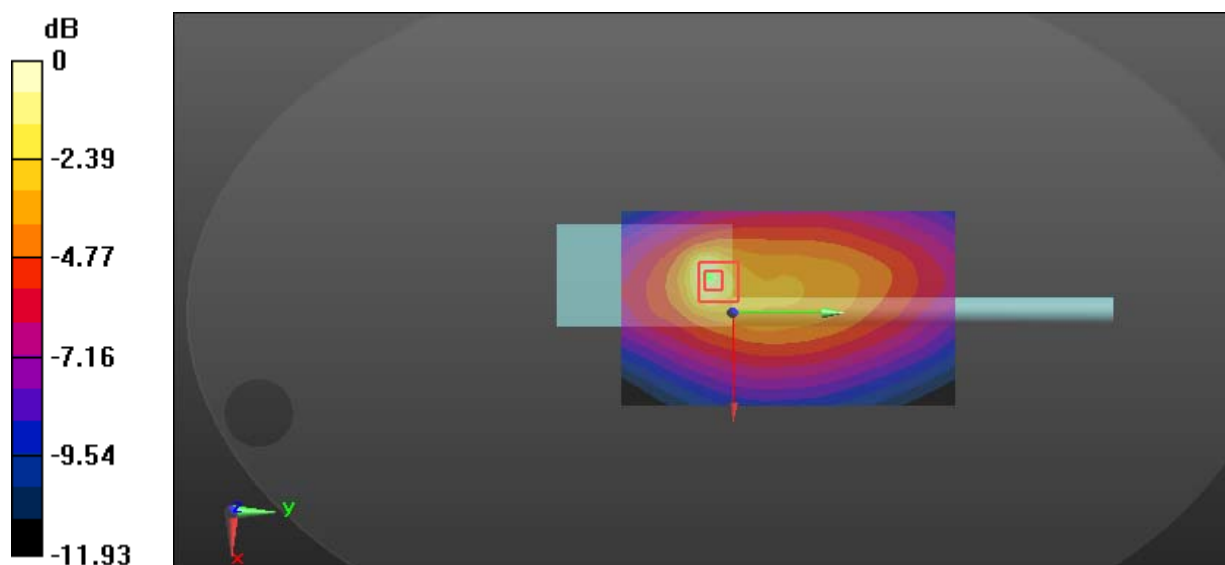
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.93 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.67 W/kg

**SAR(1 g) = 1.28 W/kg; SAR(10 g) = 0.745 W/kg**

Maximum value of SAR (measured) = 2.21 W/kg



0 dB = 2.21 W/kg = 3.44 dBW/kg

**Test Plot 30#: PTT\_4FSK 12.5KHz\_Body Back\_155 MHz\_DMR-5RC****DUT: VHF/UHF Two Way Radio; Type: DMR-5RC; Serial: 16091805224**

Communication System: 4FSK; Frequency: 155 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 155$  MHz;  $\sigma = 0.824$  S/m;  $\epsilon_r = 60.326$ ;  $\rho = 1000$  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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.88 W/kg

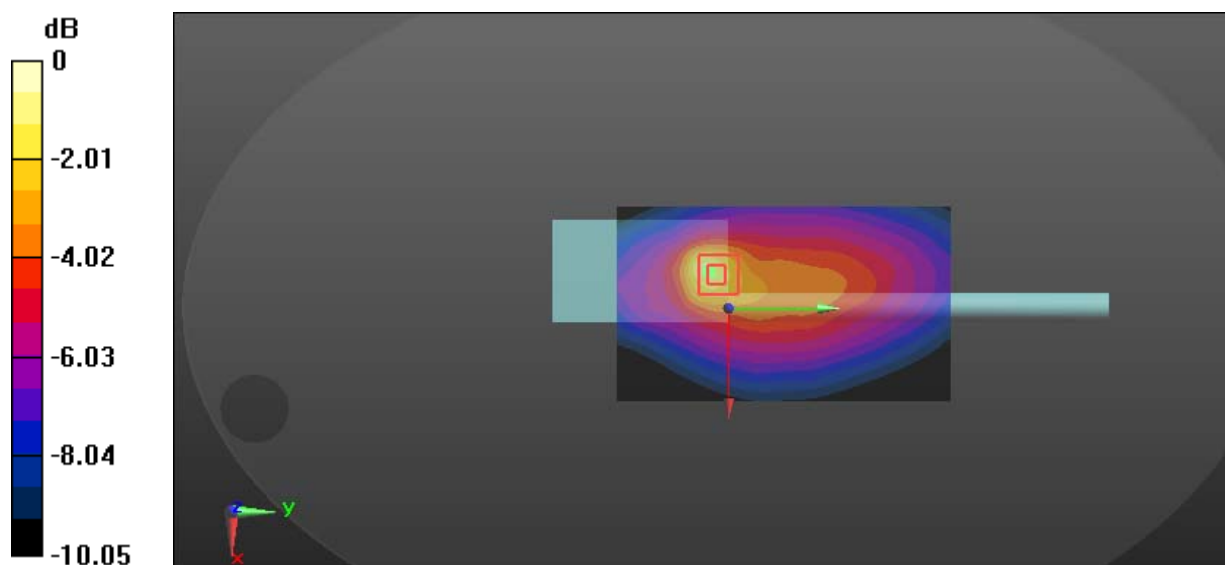
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.87 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.75 W/kg

**SAR(1 g) = 1.26 W/kg; SAR(10 g) = 0.740 W/kg**

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



0 dB = 2.38 W/kg = 3.77 dBW/kg

**Test Plot 31#: PTT\_4FSK 12.5KHz\_Body Back\_155 MHz\_DMR-5RE****DUT: VHF/UHF Two Way Radio; Type: DMR-5RE; Serial: 16091805225**

Communication System: 4FSK; Frequency: 155 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 155$  MHz;  $\sigma = 0.824$  S/m;  $\epsilon_r = 60.326$ ;  $\rho = 1000$  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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.68 W/kg

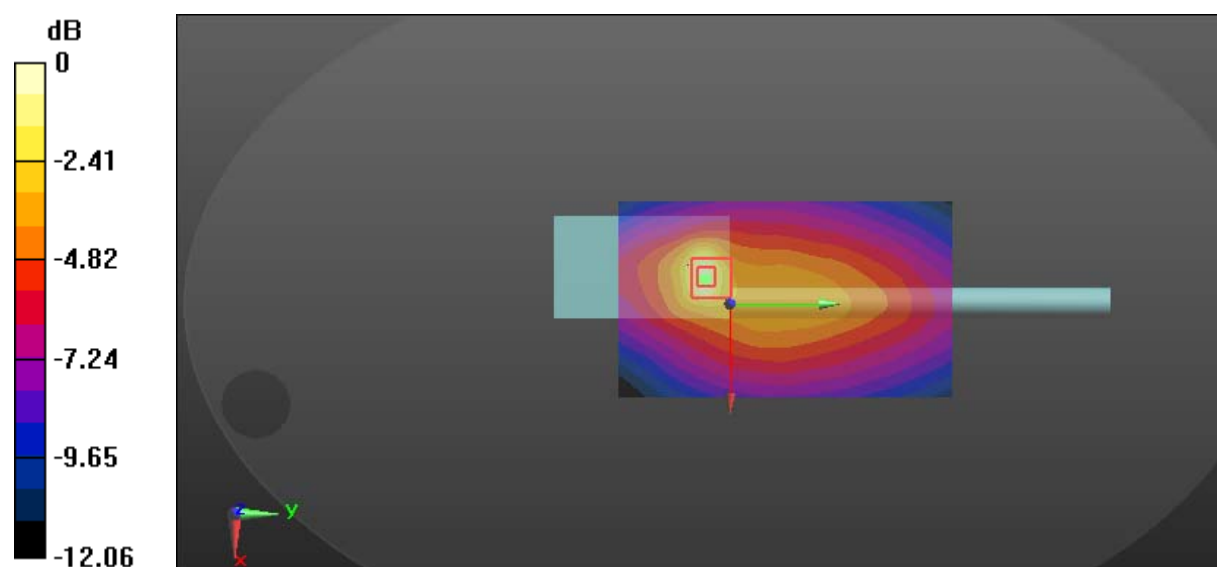
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.06 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 4.96 W/kg

**SAR(1 g) = 1.54 W/kg; SAR(10 g) = 0.89 W/kg**

Maximum value of SAR (measured) = 2.91 W/kg



0 dB = 2.91 W/kg = 4.64 dBW/kg

**Test Plot 32#: PTT\_4FSK 12.5KHz\_Body Back\_155 MHz\_GT-3 DMR****DUT: VHF/UHF Two Way Radio; Type: GT-3 DMR; Serial: 16091805226**

Communication System: 4FSK; Frequency: 155 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 155 \text{ MHz}$ ;  $\sigma = 0.824 \text{ S/m}$ ;  $\epsilon_r = 60.326$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ 

Maximum value of SAR (interpolated) = 1.75 W/kg

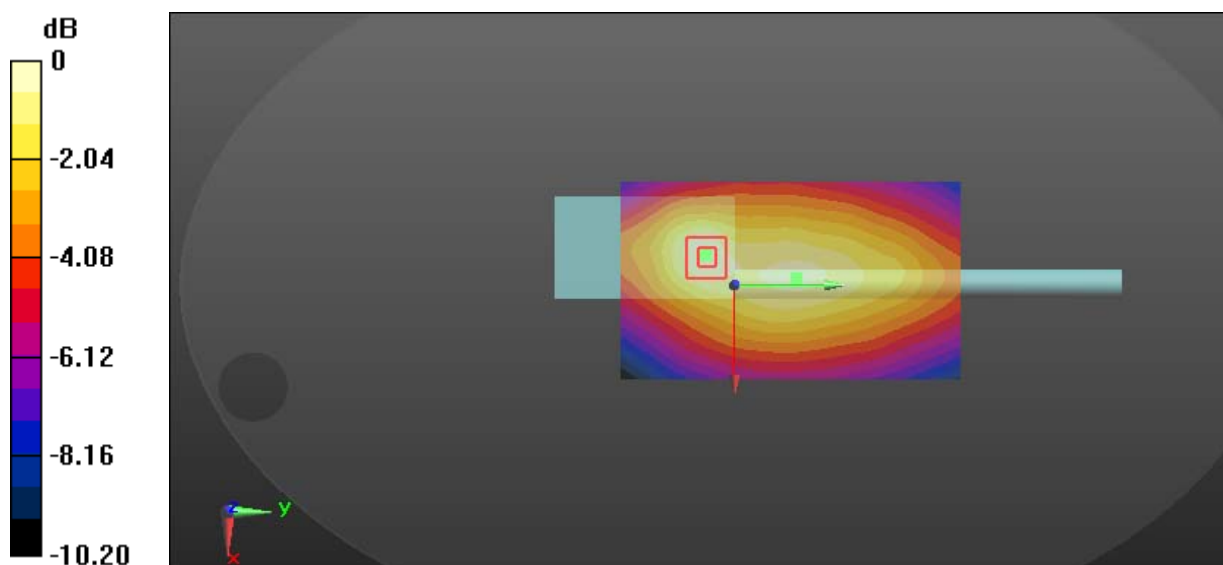
**Zoom Scan (7x10x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 35.71 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.97 W/kg

**SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.884 W/kg**

Maximum value of SAR (measured) = 1.97 W/kg



0 dB = 1.97 W/kg = 2.94 dBW/kg



**Test Plot 33#: PTT\_FM 12.5KHz\_Face Up\_420 MHz\_DM-5R****DUT: VHF/UHF Two Way Radio; Type: DM-5R; Serial: 16091805221**

Communication System: FM; Frequency: 420 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.862$  S/m;  $\epsilon_r = 43.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.97, 10.97, 10.97); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

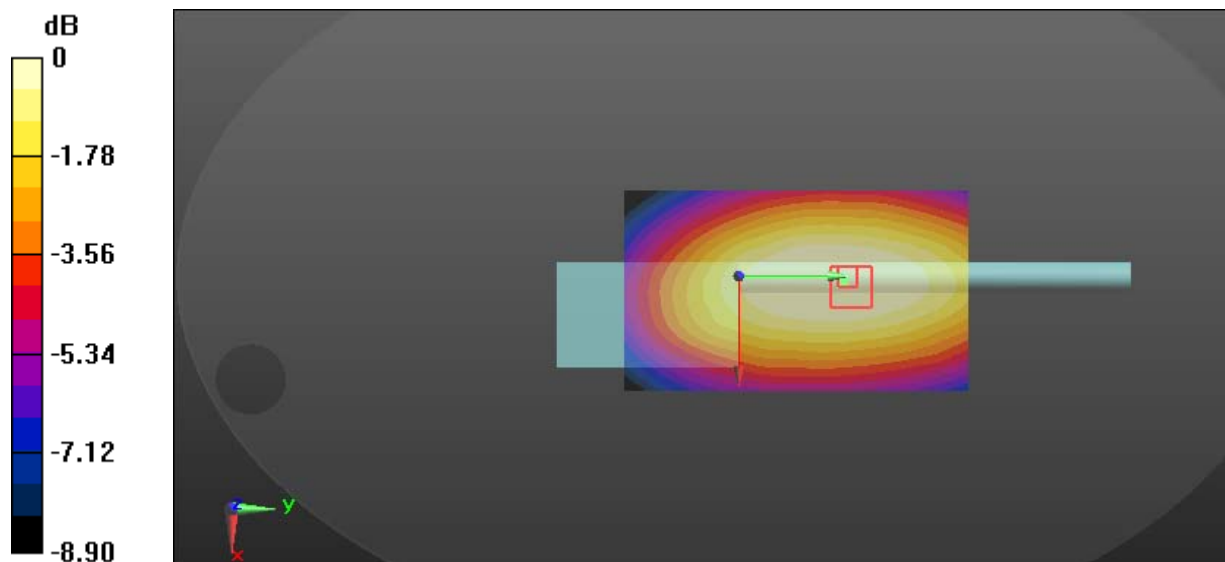
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 53.88 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 7.68 W/kg

**SAR(1 g) = 3.73 W/kg; SAR(10 g) = 2.47 W/kg**

Maximum value of SAR (measured) = 3.97 W/kg



0 dB = 3.97 W/kg = 5.99 dBW/kg

**Test Plot 34#: PTT\_FM 12.5KHz\_Face Up\_400.0125 MHz\_DMR-5RA****DUT: VHF/UHF Two Way Radio; Type: DMR-5RA; Serial: 16091805222**

Communication System: FM; Frequency: 400.012 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 400.012$  MHz;  $\sigma = 0.84$  S/m;  $\epsilon_r = 44.049$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.97, 10.97, 10.97); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.35 W/kg

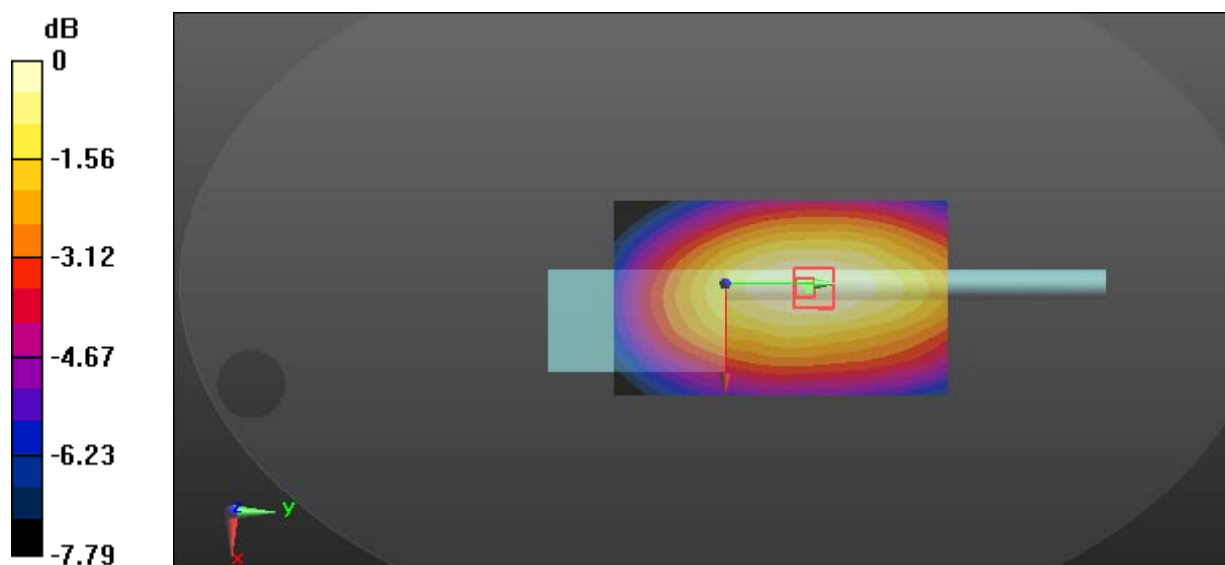
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 57.98 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 4.93 W/kg

**SAR(1 g) = 3.32 W/kg; SAR(10 g) = 2.48 W/kg**

Maximum value of SAR (measured) = 4.28 W/kg



0 dB = 4.28 W/kg = 6.31 dBW/kg

**Test Plot 35#: PTT\_FM 12.5KHz\_Face Up\_420 MHz\_DMR-5RA****DUT: VHF/UHF Two Way Radio; Type: DMR-5RA; Serial: 16091805222**

Communication System: FM; Frequency: 420 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.862$  S/m;  $\epsilon_r = 43.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.97, 10.97, 10.97); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.10 W/kg

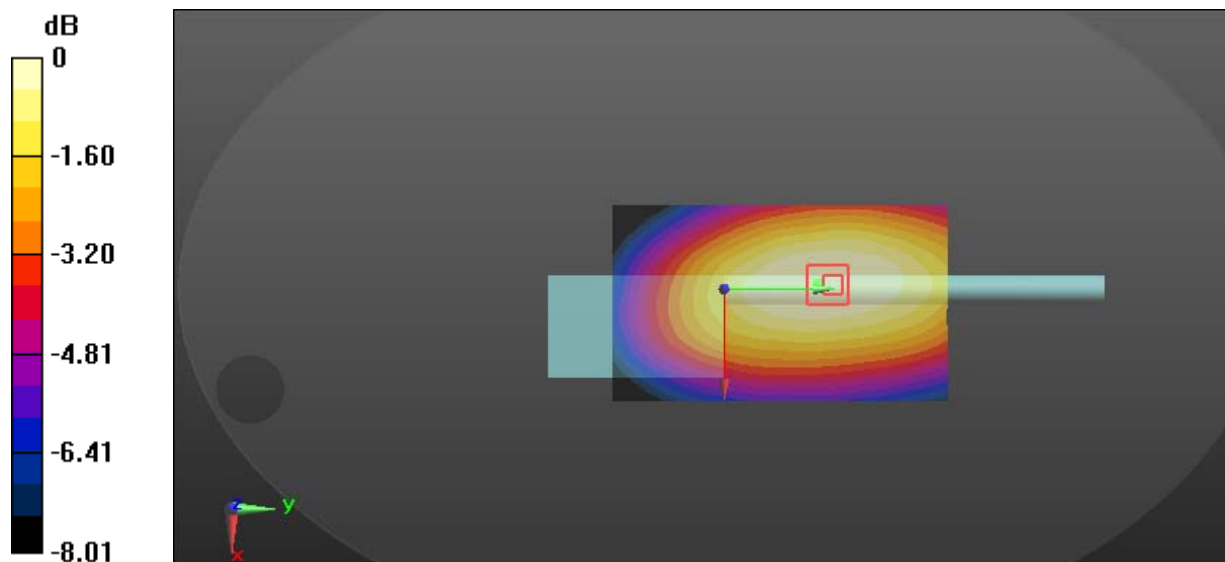
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 65.79 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 6.56 W/kg

**SAR(1 g) = 4.46 W/kg; SAR(10 g) = 3.32 W/kg**

Maximum value of SAR (measured) = 5.72 W/kg



0 dB = 5.72 W/kg = 7.57 dBW/kg

**Test Plot 36#: PTT\_FM 12.5KHz\_Face Up\_440 MHz\_DMR-5RA****DUT: VHF/UHF Two Way Radio; Type: DMR-5RA; Serial: 16091805222**

Communication System: FM; Frequency: 440 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 440$  MHz;  $\sigma = 0.866$  S/m;  $\epsilon_r = 42.968$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.97, 10.97, 10.97); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.52 W/kg

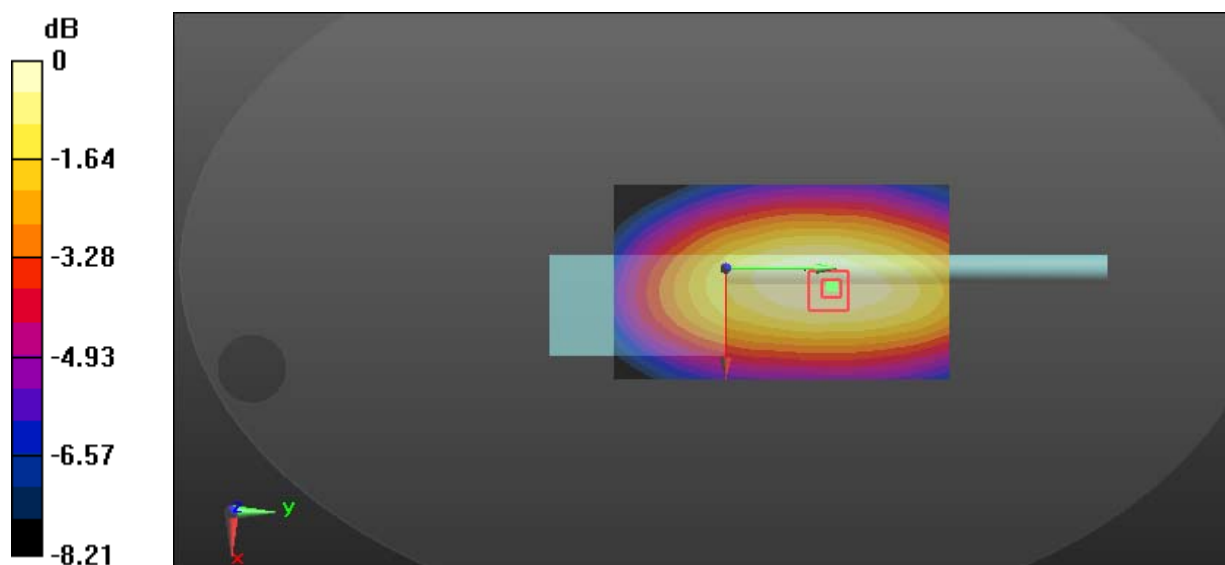
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 50.92 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 3.99 W/kg

**SAR(1 g) = 2.64 W/kg; SAR(10 g) = 1.95 W/kg**

Maximum value of SAR (measured) = 3.46 W/kg



0 dB = 3.46 W/kg = 5.39 dBW/kg

**Test Plot 37#: PTT\_FM 12.5KHz\_Face Up\_460 MHz\_DMR-5RA****DUT: VHF/UHF Two Way Radio; Type: DMR-5RA; Serial: 16091805222**

Communication System: FM; Frequency: 460 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 460$  MHz;  $\sigma = 0.879$  S/m;  $\epsilon_r = 42.287$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.97, 10.97, 10.97); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.72 W/kg

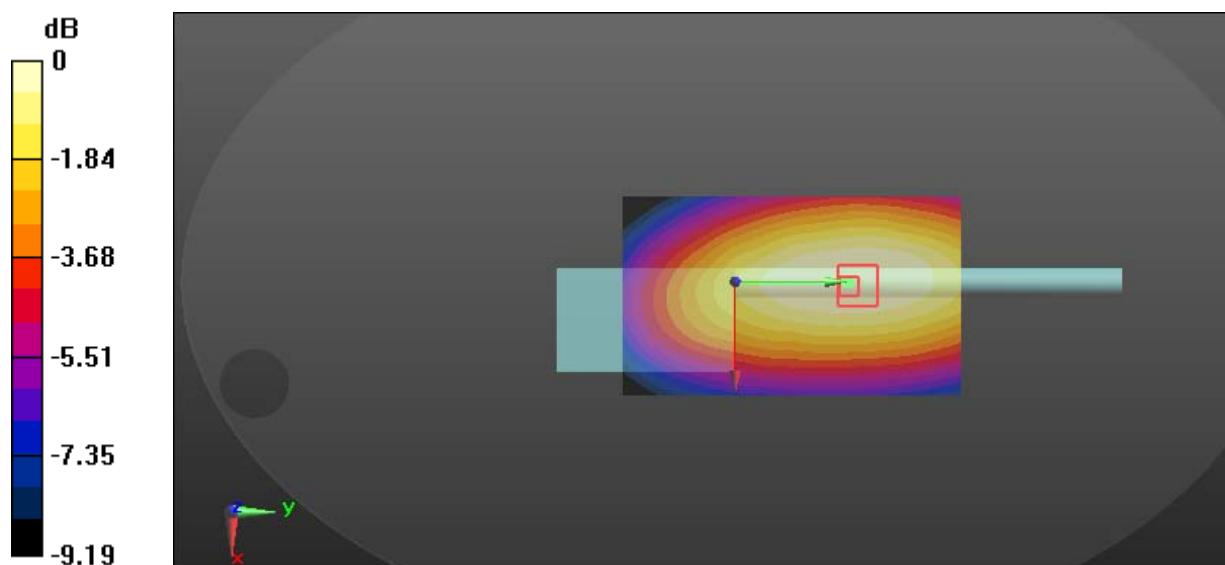
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 42.65 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 3.05 W/kg

**SAR(1 g) = 2.03 W/kg; SAR(10 g) = 1.5 W/kg**

Maximum value of SAR (measured) = 2.63 W/kg



0 dB = 2.63 W/kg = 4.20 dBW/kg

**Test Plot 38#: PTT\_FM 12.5KHz\_Face Up\_479.9875 MHz\_DMR-5RA****DUT: VHF/UHF Two Way Radio; Type: DMR-5RA; Serial: 16091805222**

Communication System: FM; Frequency: 479.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 479.988 \text{ MHz}$ ;  $\sigma = 0.878 \text{ S/m}$ ;  $\epsilon_r = 42.331$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.97, 10.97, 10.97); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ 

Maximum value of SAR (interpolated) = 1.85 W/kg

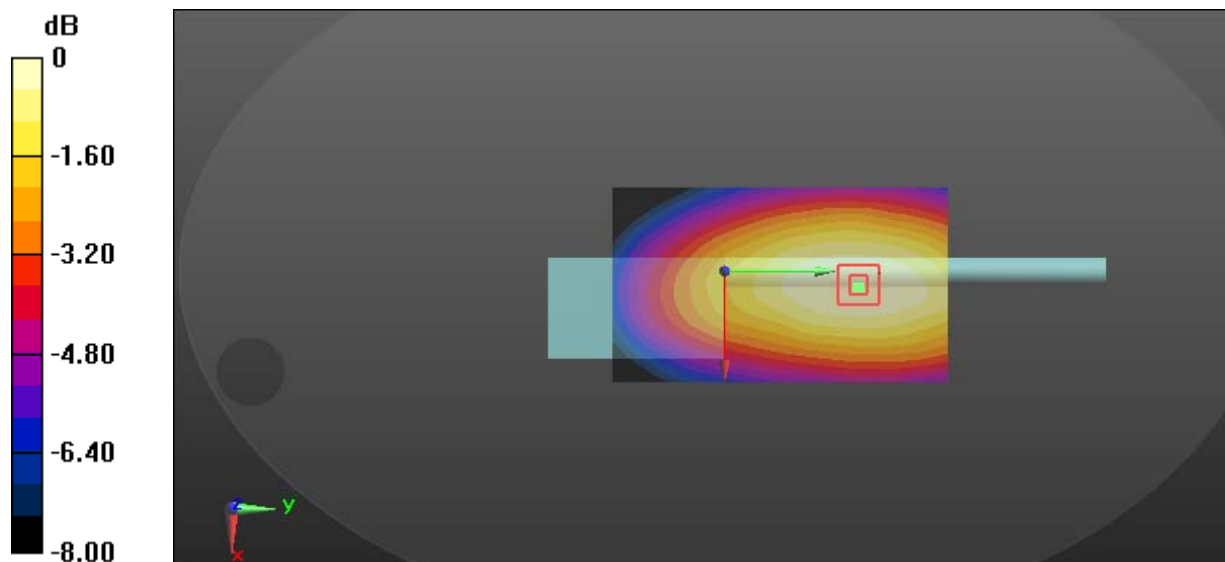
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ 

Reference Value = 33.22 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 2.11 W/kg

**SAR(1 g) = 1.43 W/kg; SAR(10 g) = 1.05 W/kg**

Maximum value of SAR (measured) = 1.83 W/kg



0 dB = 1.83 W/kg = 2.62 dBW/kg

**Test Plot 39#: PTT\_FM 12.5KHz\_Face Up\_420 MHz\_DMR-5RB****DUT: VHF/UHF Two Way Radio; Type: DMR-5RB; Serial: 16091805223**

Communication System: FM; Frequency: 420 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.862$  S/m;  $\epsilon_r = 43.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.97, 10.97, 10.97); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.46 W/kg

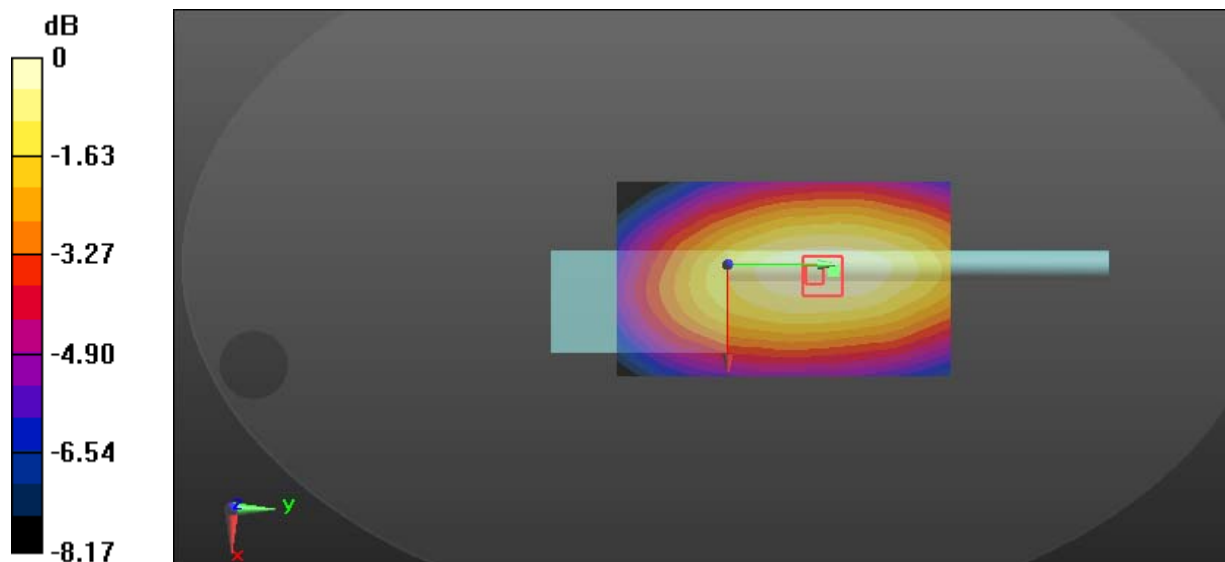
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 63.69 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 6.29 W/kg

**SAR(1 g) = 4.24 W/kg; SAR(10 g) = 3.16 W/kg**

Maximum value of SAR (measured) = 5.47 W/kg



0 dB = 5.47 W/kg = 7.38 dBW/kg

**Test Plot 40#: PTT\_FM 12.5KHz\_Face Up\_420 MHz\_DMR-5RC****DUT: VHF/UHF Two Way Radio; Type: DMR-5RC; Serial: 16091805224**

Communication System: FM; Frequency: 420 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.862$  S/m;  $\epsilon_r = 43.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.97, 10.97, 10.97); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.74 W/kg

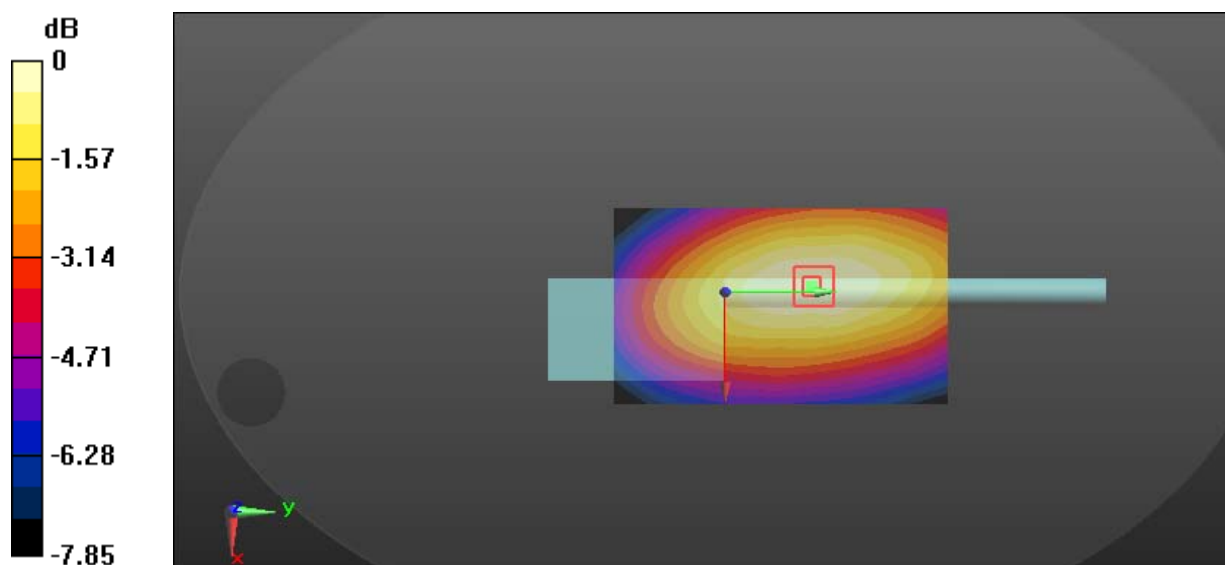
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 61.49 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 5.39 W/kg

**SAR(1 g) = 3.6 W/kg; SAR(10 g) = 2.68 W/kg**

Maximum value of SAR (measured) = 4.68 W/kg



0 dB = 4.68 W/kg = 6.70 dBW/kg



**Test Plot 41#: PTT\_FM 12.5KHz\_Face Up\_420 MHz\_DMR-5RE****DUT: VHF/UHF Two Way Radio; Type: DMR-5RE; Serial: 16091805225**

Communication System: FM; Frequency: 420 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.862$  S/m;  $\epsilon_r = 43.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.97, 10.97, 10.97); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.66 W/kg

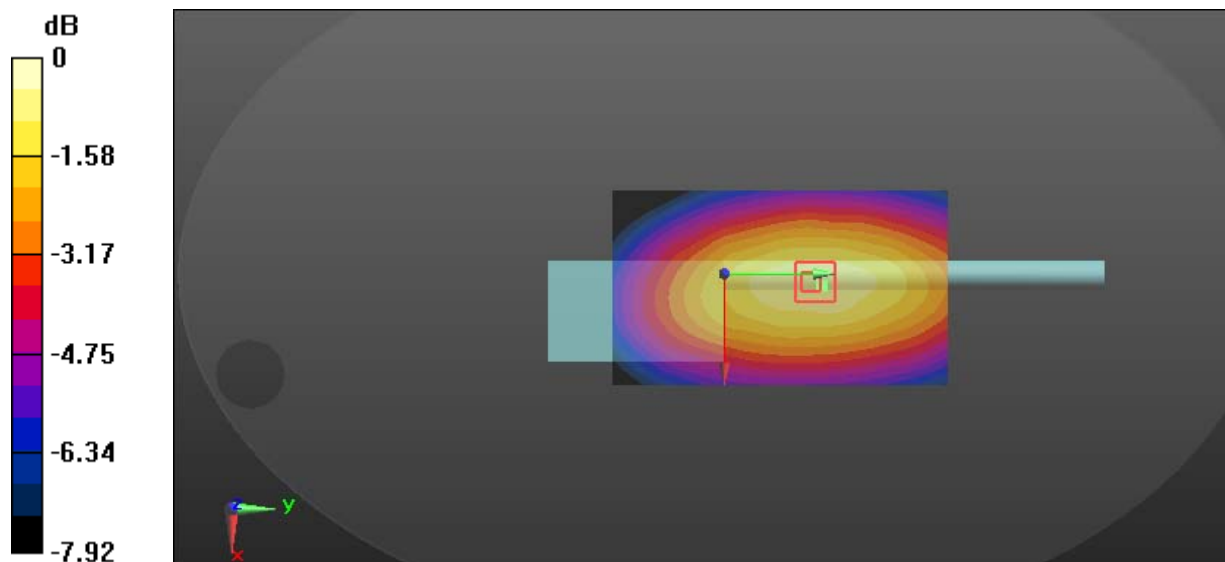
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 61.20 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 6.13 W/kg

**SAR(1 g) = 4.15 W/kg; SAR(10 g) = 3.09 W/kg**

Maximum value of SAR (measured) = 5.32 W/kg



0 dB = 5.32 W/kg = 7.26 dBW/kg

**Test Plot 42#: PTT\_FM 12.5KHz\_Face Up\_420 MHz\_GT-3 DMR****DUT: VHF/UHF Two Way Radio; Type: GT-3 DMR; Serial: 16091805226**

Communication System: FM; Frequency: 420 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.862$  S/m;  $\epsilon_r = 43.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.97, 10.97, 10.97); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.16 W/kg

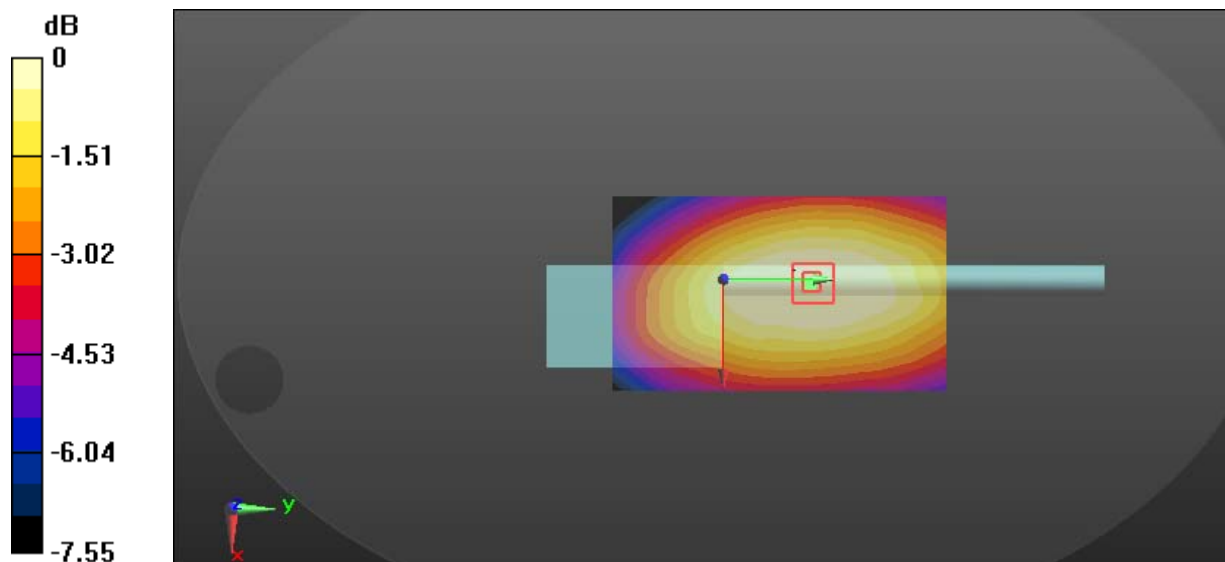
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 58.80 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 4.34 W/kg

**SAR(1 g) = 2.98 W/kg; SAR(10 g) = 2.25 W/kg**

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



0 dB = 3.79 W/kg = 5.79 dBW/kg

**Test Plot 43#: PTT\_FM 12.5KHz\_Body Back\_420 MHz\_DM-5R****DUT: VHF/UHF Two Way Radio; Type: DM-5R; Serial: 16091805221**

Communication System: FM; Frequency: 420 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.936$  S/m;  $\epsilon_r = 54.892$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.08 W/kg

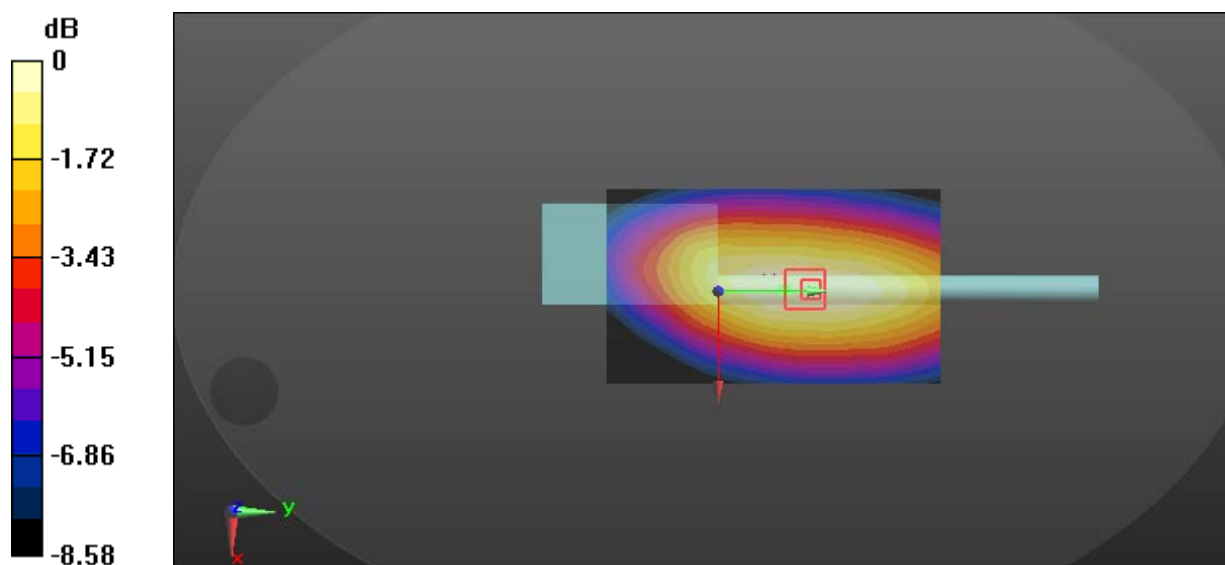
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 70.52 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 9.47 W/kg

**SAR(1 g) = 6.19 W/kg; SAR(10 g) = 4.55 W/kg**

Maximum value of SAR (measured) = 8.06 W/kg



0 dB = 8.06 W/kg = 9.06 dBW/kg

**Test Plot 44#: PTT\_FM 12.5KHz\_Body Back\_420 MHz\_DMR-5RA****DUT: VHF/UHF Two Way Radio; Type: DMR-5RA; Serial: 16091805222**

Communication System: FM; Frequency: 420 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.936$  S/m;  $\epsilon_r = 54.892$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.44 W/kg

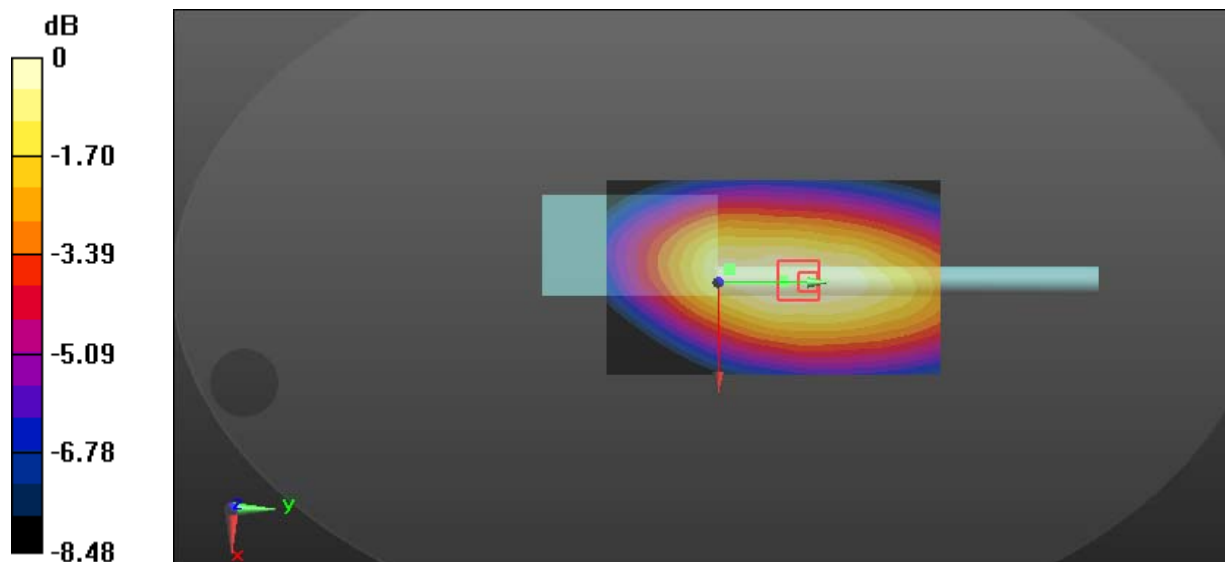
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 72.73 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 9.59 W/kg

**SAR(1 g) = 6.32 W/kg; SAR(10 g) = 4.66 W/kg**

Maximum value of SAR (measured) = 8.26 W/kg



0 dB = 8.26 W/kg = 9.17 dBW/kg

**Test Plot 45#: PTT\_FM 12.5KHz\_Body Back\_420 MHz\_DMR-5RB****DUT: VHF/UHF Two Way Radio; Type: DMR-5RB; Serial: 16091805223**

Communication System: FM; Frequency: 420 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.936$  S/m;  $\epsilon_r = 54.892$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.60 W/kg

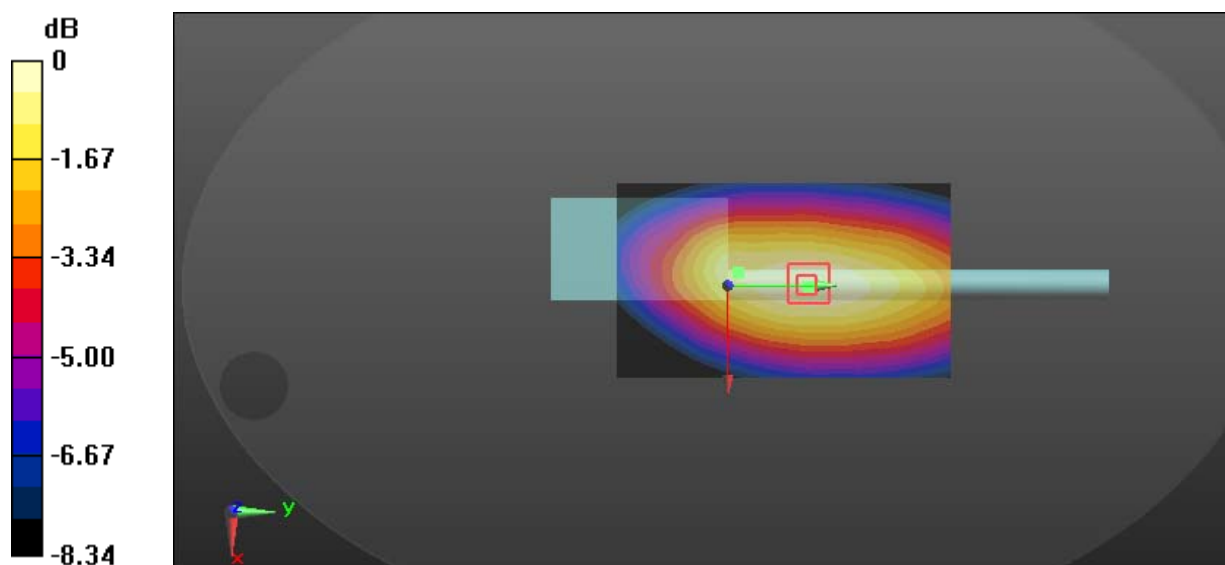
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 73.99 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 9.99 W/kg

**SAR(1 g) = 6.59 W/kg; SAR(10 g) = 4.85 W/kg**

Maximum value of SAR (measured) = 8.60 W/kg



0 dB = 8.60 W/kg = 9.34 dBW/kg

**Test Plot 46#: PTT\_FM 12.5KHz\_Body Back\_420 MHz\_DMR-5RC****DUT: VHF/UHF Two Way Radio; Type: DMR-5RC; Serial: 16091805224**

Communication System: FM; Frequency: 420 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.936$  S/m;  $\epsilon_r = 54.892$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.99 W/kg

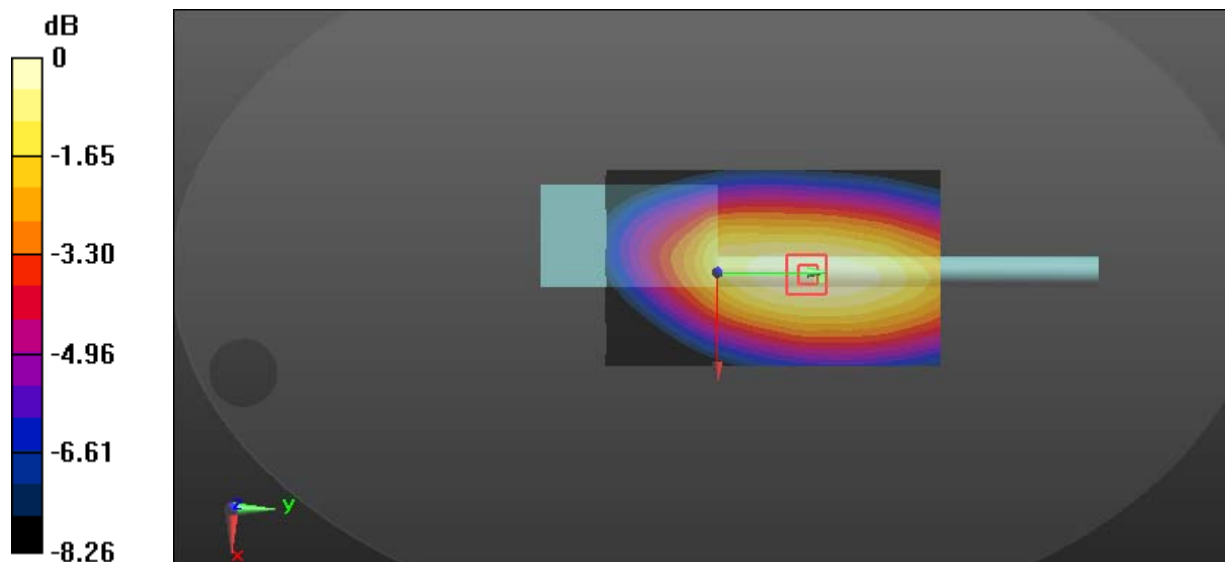
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 72.29 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 9.29 W/kg

**SAR(1 g) = 6.36 W/kg; SAR(10 g) = 4.7 W/kg**

Maximum value of SAR (measured) = 8.15 W/kg



0 dB = 8.15 W/kg = 9.11 dBW/kg

**Test Plot 47#: PTT\_FM 12.5KHz\_Body Back\_400.0125 MHz\_DMR-5RE****DUT: VHF/UHF Two Way Radio; Type: DMR-5RE; Serial: 16091805225**

Communication System: FM; Frequency: 400.012 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 400.012$  MHz;  $\sigma = 0.935$  S/m;  $\epsilon_r = 55.036$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.15 W/kg

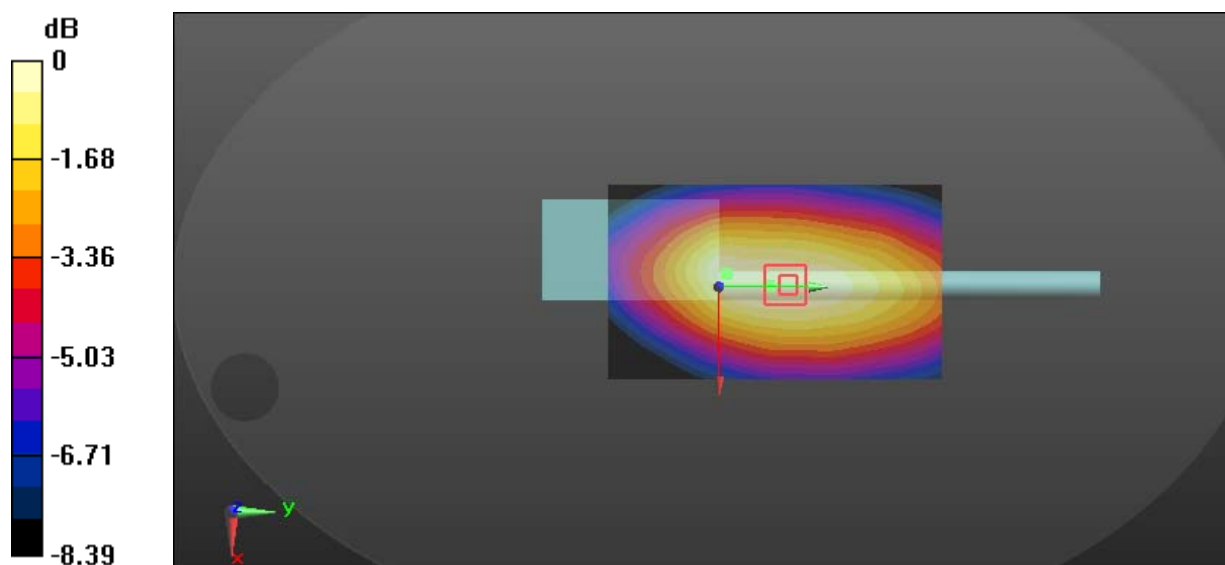
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 70.94 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 8.41 W/kg

**SAR(1 g) = 5.4 W/kg; SAR(10 g) = 3.96 W/kg**

Maximum value of SAR (measured) = 7.11 W/kg



0 dB = 7.11 W/kg = 8.52 dBW/kg

**Test Plot 48#: PTT\_FM 12.5KHz\_Body Back\_420 MHz\_DMR-5RE****DUT: VHF/UHF Two Way Radio; Type: DMR-5RE; Serial: 16091805225**

Communication System: FM; Frequency: 420 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.936$  S/m;  $\epsilon_r = 54.892$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.96 W/kg

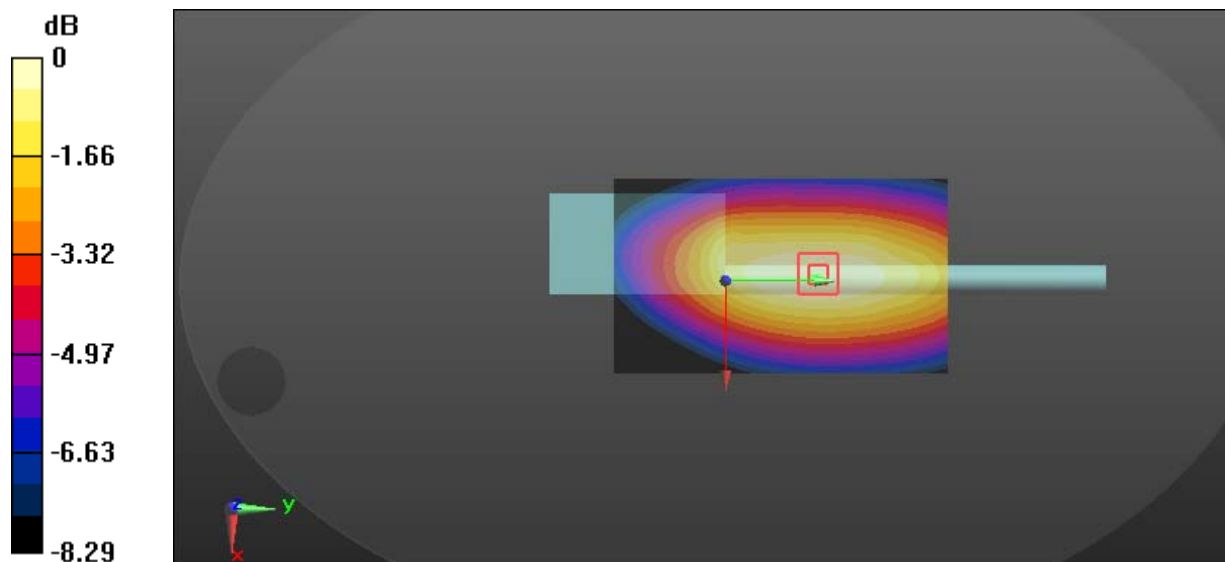
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 75.19 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 10.2 W/kg

**SAR(1 g) = 6.92 W/kg; SAR(10 g) = 5.12 W/kg**

Maximum value of SAR (measured) = 8.83 W/kg



0 dB = 8.83 W/kg = 9.46 dBW/kg



**Test Plot 49#: PTT\_FM 12.5KHz\_Body Back\_440 MHz\_DMR-5RE****DUT: VHF/UHF Two Way Radio; Type: DMR-5RE; Serial: 16091805225**

Communication System: FM; Frequency: 440 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 440$  MHz;  $\sigma = 0.954$  S/m;  $\epsilon_r = 54.771$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.19 W/kg

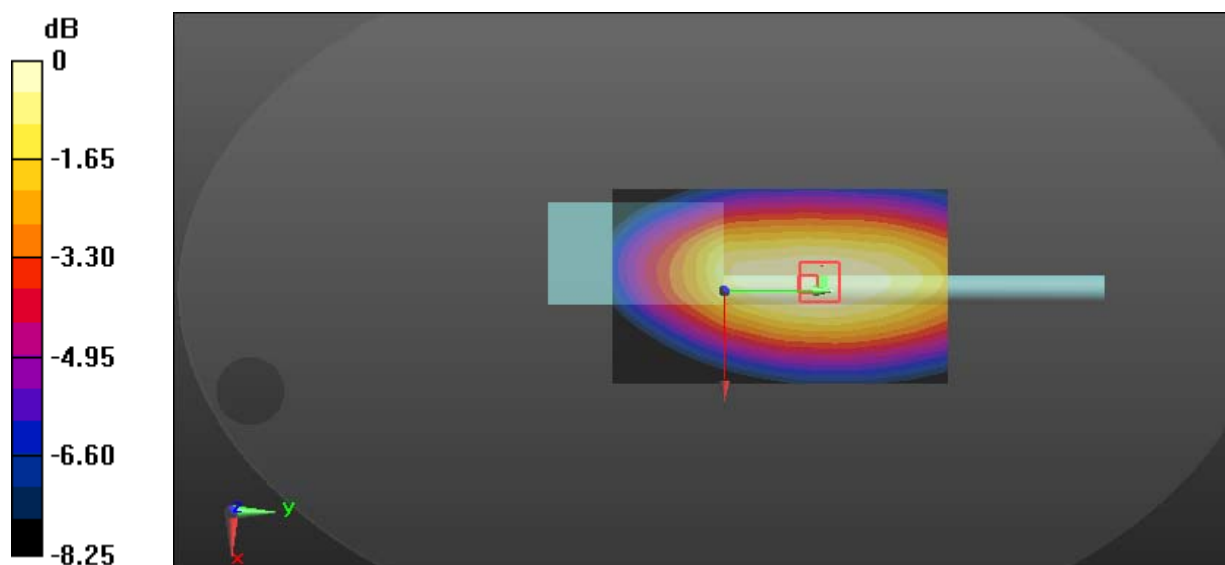
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 60.72 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 6.97 W/kg

**SAR(1 g) = 4.55 W/kg; SAR(10 g) = 3.35 W/kg**

Maximum value of SAR (measured) = 5.96 W/kg



0 dB = 5.96 W/kg = 7.75 dBW/kg

**Test Plot 50#: PTT\_FM 12.5KHz\_Body Back\_460 MHz\_DMR-5RE****DUT: VHF/UHF Two Way Radio; Type: DMR-5RE; Serial: 16091805225**

Communication System: FM; Frequency: 460 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 460$  MHz;  $\sigma = 0.968$  S/m;  $\epsilon_r = 54.628$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.21 W/kg

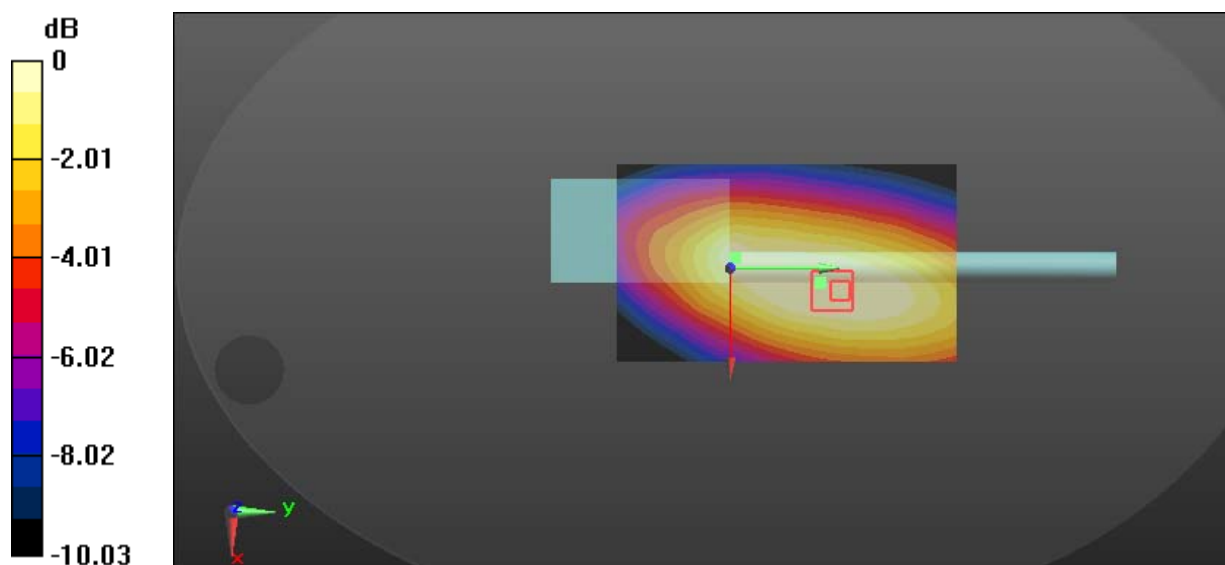
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.08 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 4.58 W/kg

**SAR(1 g) = 3.01 W/kg; SAR(10 g) = 2.21 W/kg**

Maximum value of SAR (measured) = 3.85 W/kg



0 dB = 3.85 W/kg = 5.85 dBW/kg

**Test Plot 51#: PTT\_FM 12.5KHz\_Body Back\_479.9875 MHz\_DMR-5RE****DUT: VHF/UHF Two Way Radio; Type: DMR-5RE; Serial: 16091805225**

Communication System: FM; Frequency: 479.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 479.988$  MHz;  $\sigma = 0.961$  S/m;  $\epsilon_r = 54.639$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.31 W/kg

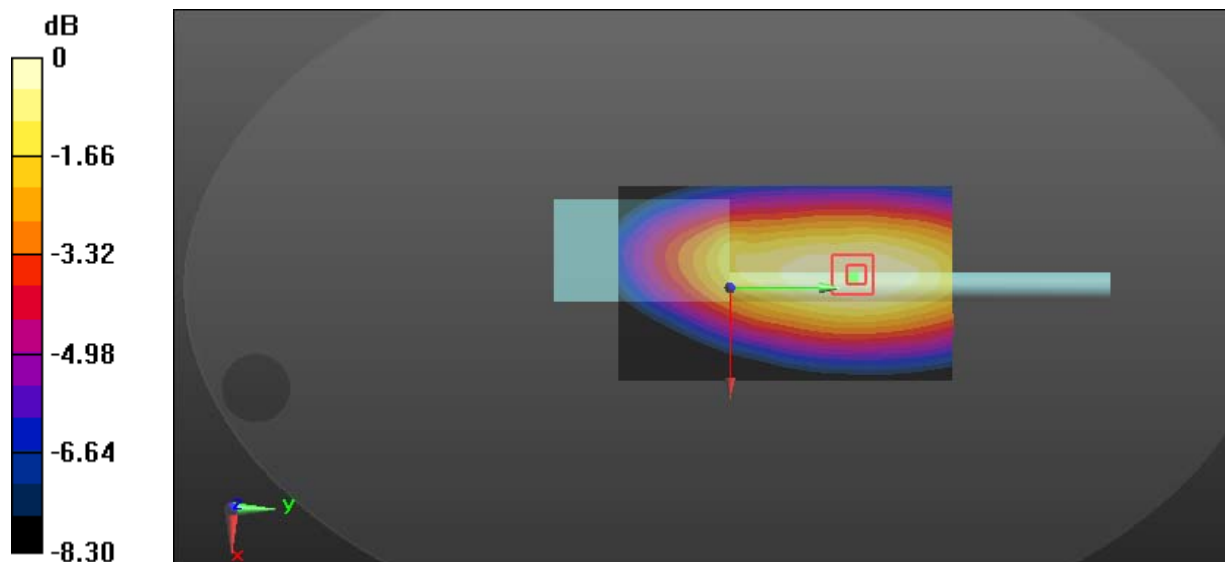
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.10 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 2.73 W/kg

**SAR(1 g) = 1.77 W/kg; SAR(10 g) = 1.3 W/kg**

Maximum value of SAR (measured) = 2.33 W/kg



0 dB = 2.33 W/kg = 3.67 dBW/kg

**Test Plot 52#: PTT\_FM 12.5KHz\_Body Back\_420 MHz\_GT-3 DMR****DUT: VHF/UHF Two Way Radio; Type: GT-3 DMR; Serial: 16091805226**

Communication System: FM; Frequency: 420 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.936$  S/m;  $\epsilon_r = 54.892$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.09 W/kg

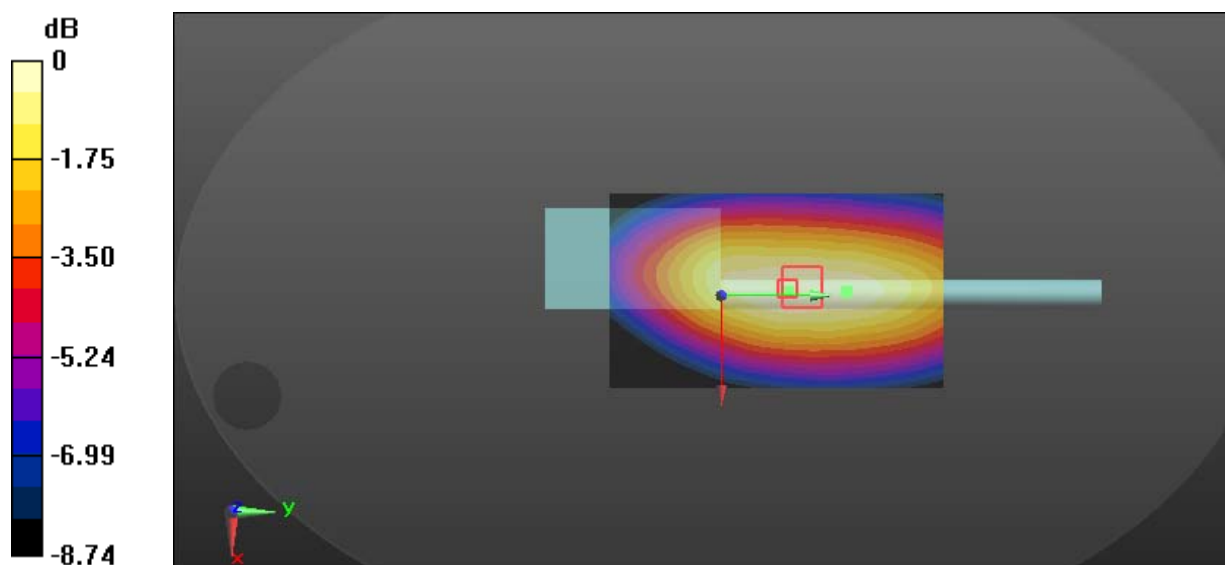
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 76.28 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 10.7 W/kg

**SAR(1 g) = 6.85 W/kg; SAR(10 g) = 5.01 W/kg**

Maximum value of SAR (measured) = 9.04 W/kg



0 dB = 9.04 W/kg = 9.56 dBW/kg

**Test Plot 53#: PTT\_4FSK 12.5KHz\_Face Up\_420 MHz\_DM-5R****DUT: VHF/UHF Two Way Radio; Type: DM-5R; Serial: 16091805221**

Communication System: 4FSK; Frequency: 420 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.862$  S/m;  $\epsilon_r = 43.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.97, 10.97, 10.97); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.07 W/kg

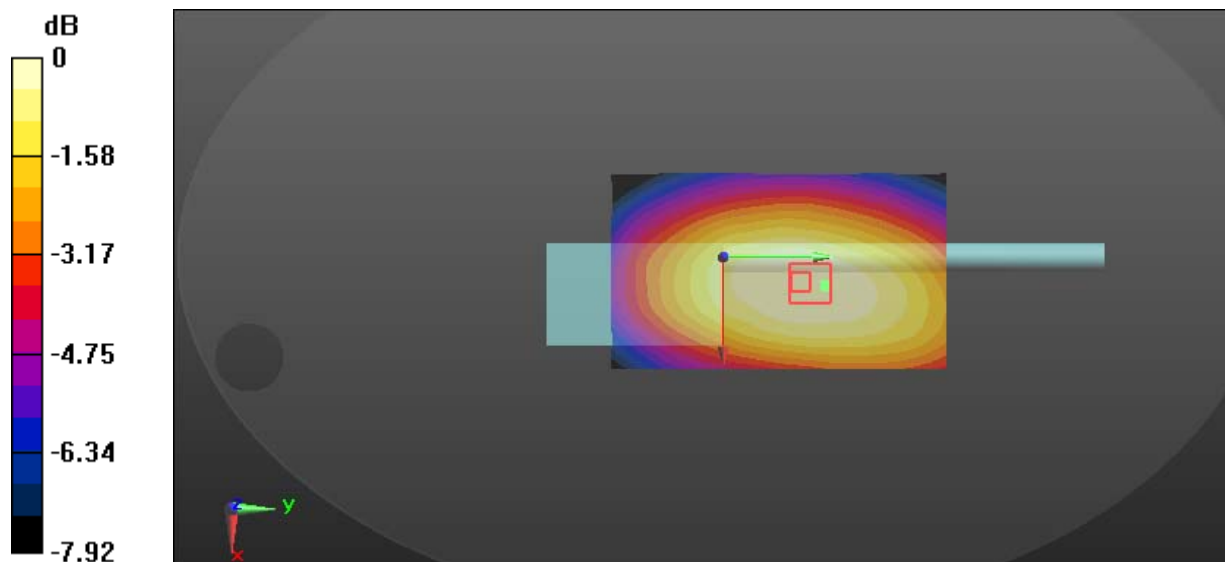
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 40.03 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.35 W/kg

**SAR(1 g) = 1.53 W/kg; SAR(10 g) = 1.14 W/kg**

Maximum value of SAR (measured) = 1.98 W/kg



0 dB = 1.98 W/kg = 2.97 dBW/kg

**Test Plot 54#: PTT\_4FSK 12.5KHz\_Face Up\_420 MHz\_DMR-5RA****DUT: VHF/UHF Two Way Radio; Type: DMR-5RA; Serial: 16091805222**

Communication System: 4FSK; Frequency: 420 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.862$  S/m;  $\epsilon_r = 43.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.97, 10.97, 10.97); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.81 W/kg

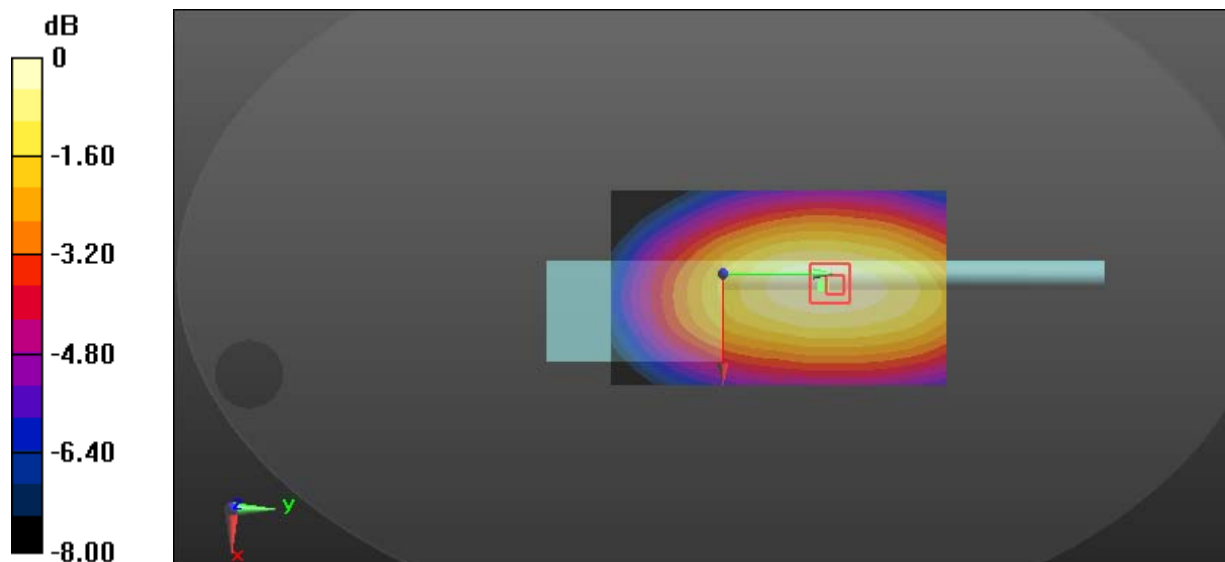
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 43.48 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 3.36 W/kg

**SAR(1 g) = 2.21 W/kg; SAR(10 g) = 1.63 W/kg**

Maximum value of SAR (measured) = 2.89 W/kg



0 dB = 2.89 W/kg = 4.61 dBW/kg

**Test Plot 55#: PTT\_4FSK 12.5KHz\_Face Up\_420 MHz\_DMR-5RB****DUT: VHF/UHF Two Way Radio; Type: DMR-5RB; Serial: 16091805223**

Communication System: 4FSK; Frequency: 420 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.862$  S/m;  $\epsilon_r = 43.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.97, 10.97, 10.97); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.91 W/kg

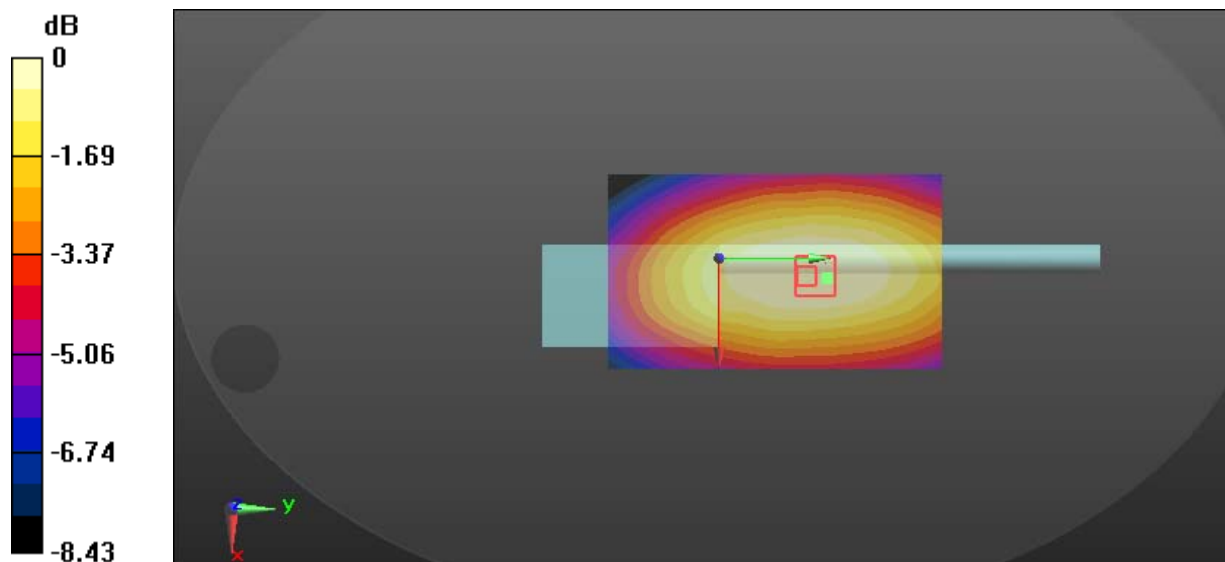
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 48.11 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 3.22 W/kg

**SAR(1 g) = 2.12 W/kg; SAR(10 g) = 1.56 W/kg**

Maximum value of SAR (measured) = 2.75 W/kg



0 dB = 2.75 W/kg = 4.39 dBW/kg

**Test Plot 56#: PTT\_4FSK 12.5KHz\_Face Up\_420 MHz\_DMR-5RC****DUT: VHF/UHF Two Way Radio; Type: DMR-5RC; Serial: 16091805224**

Communication System: 4FSK; Frequency: 420 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.862$  S/m;  $\epsilon_r = 43.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.97, 10.97, 10.97); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.64 W/kg

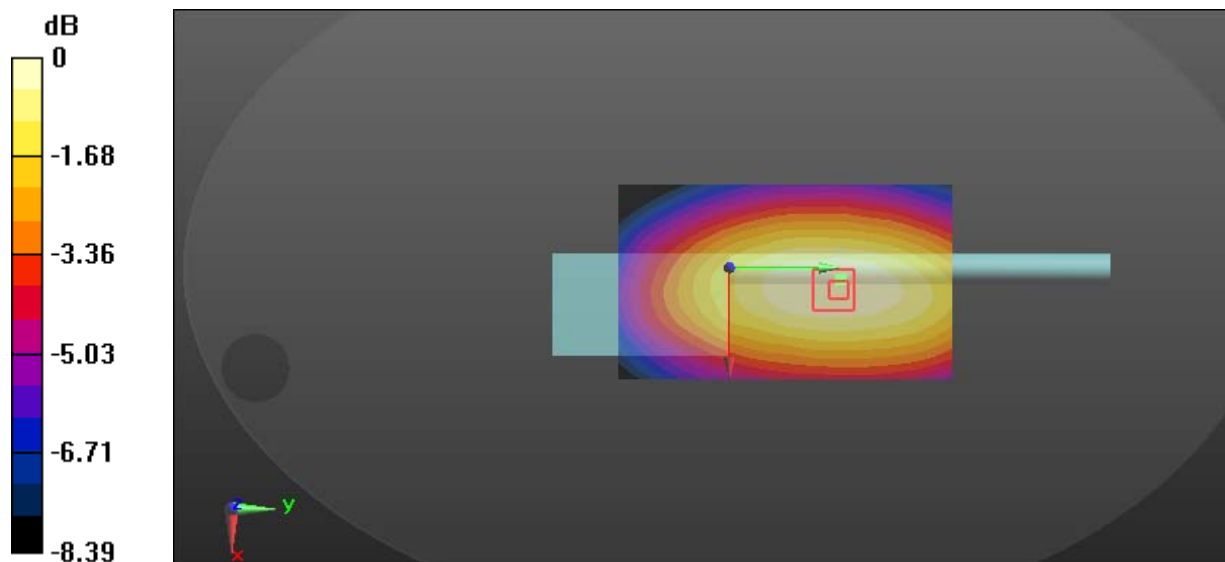
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 42.97 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 3.08 W/kg

**SAR(1 g) = 2.04 W/kg; SAR(10 g) = 1.51 W/kg**

Maximum value of SAR (measured) = 2.64 W/kg



0 dB = 2.64 W/kg = 4.22 dBW/kg



**Test Plot 57#: PTT\_4FSK 12.5KHz\_Face Up\_420 MHz\_DMR-5RE****DUT: VHF/UHF Two Way Radio; Type: DMR-5RE; Serial: 16091805225**

Communication System: 4FSK; Frequency: 420 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.862$  S/m;  $\epsilon_r = 43.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.97, 10.97, 10.97); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.52 W/kg

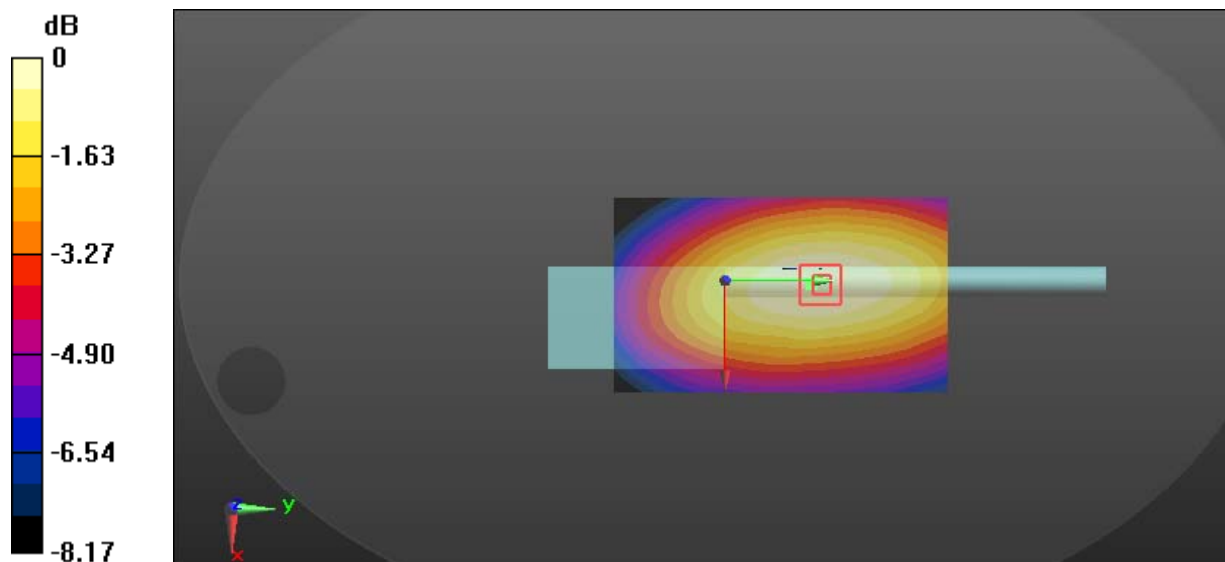
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 42.89 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 2.76 W/kg

**SAR(1 g) = 1.84 W/kg; SAR(10 g) = 1.36 W/kg**

Maximum value of SAR (measured) = 2.39 W/kg



0 dB = 2.39 W/kg = 3.78 dBW/kg

**Test Plot 58#: PTT\_4FSK 12.5KHz\_Face Up\_420 MHz\_GT-3 DMR****DUT: VHF/UHF Two Way Radio; Type: GT-3 DMR; Serial: 16091805226**

Communication System: 4FSK; Frequency: 420 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.862$  S/m;  $\epsilon_r = 43.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.97, 10.97, 10.97); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.52 W/kg

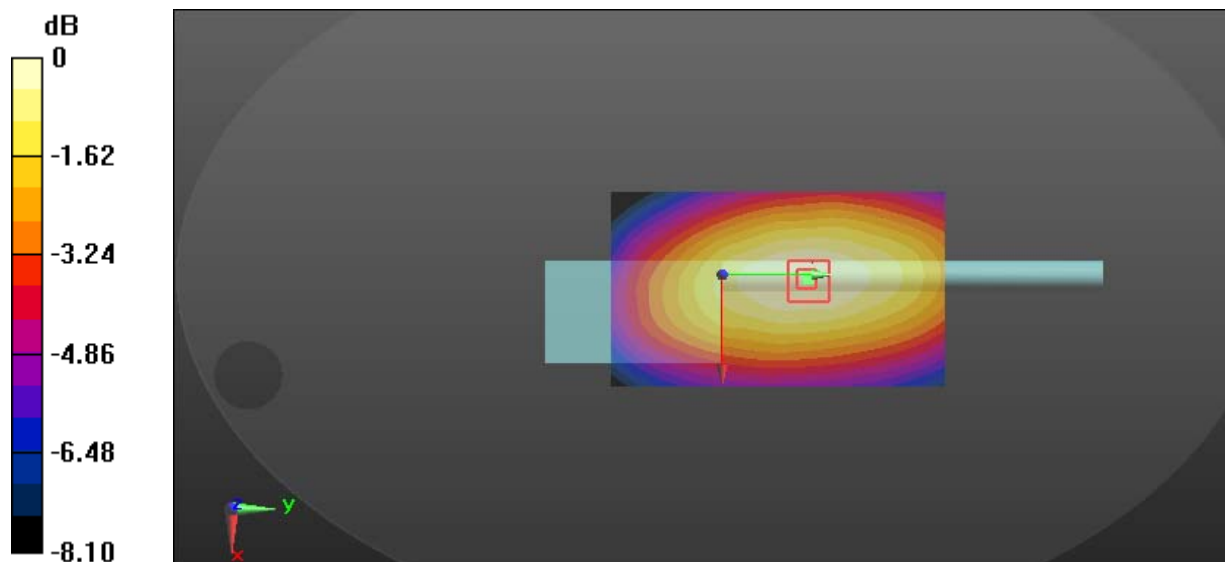
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 44.37 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.87 W/kg

**SAR(1 g) = 1.88 W/kg; SAR(10 g) = 1.39 W/kg**

Maximum value of SAR (measured) = 2.46 W/kg



0 dB = 2.46 W/kg = 3.91 dBW/kg

**Test Plot 59#: PTT\_4FSK 12.5KHz\_Body Back\_420 MHz\_DM-5R****DUT: VHF/UHF Two Way Radio; Type: DM-5R; Serial: 16091805221**

Communication System: 4FSK; Frequency: 420 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.936$  S/m;  $\epsilon_r = 54.892$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.28 W/kg

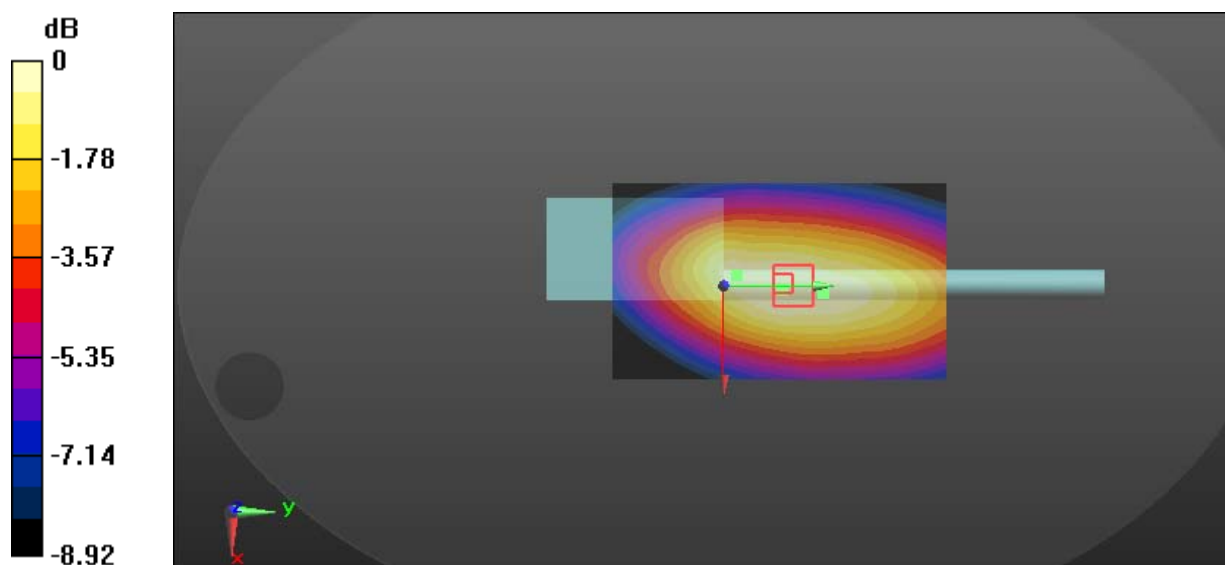
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.02 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 4.87 W/kg

**SAR(1 g) = 3 W/kg; SAR(10 g) = 2.16 W/kg**

Maximum value of SAR (measured) = 4.06 W/kg



0 dB = 4.06 W/kg = 6.09 dBW/kg

**Test Plot 60#: PTT\_4FSK 12.5KHz\_Body Back\_420 MHz\_DMR-5RA****DUT: VHF/UHF Two Way Radio; Type: DMR-5RA; Serial: 16091805222**

Communication System: 4FSK; Frequency: 420 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.936$  S/m;  $\epsilon_r = 54.892$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.93 W/kg

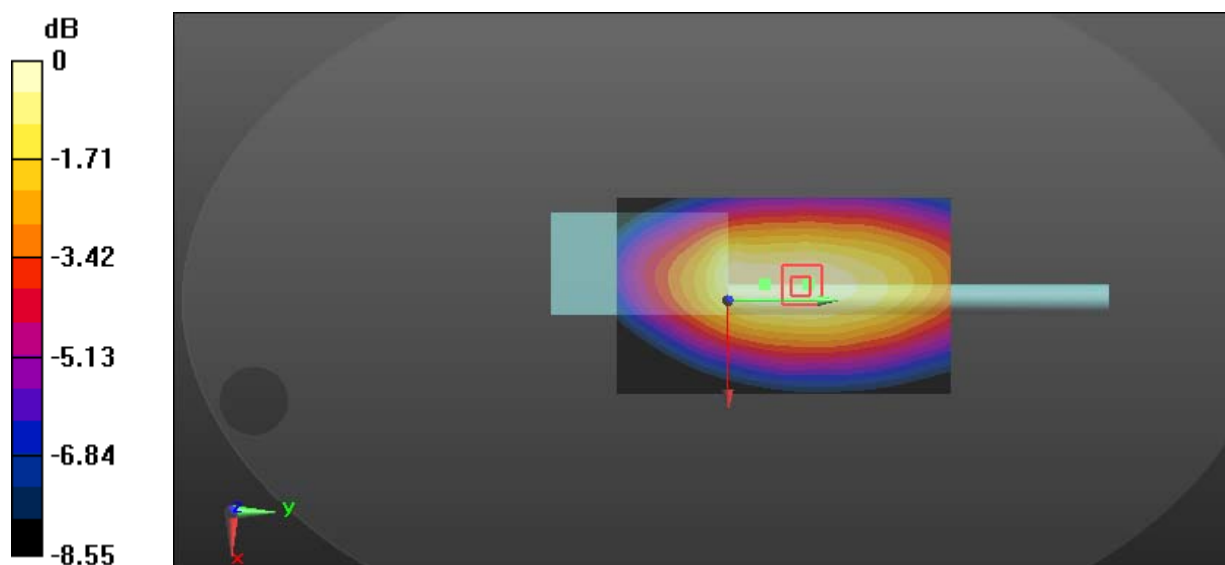
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 54.01 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 5.76 W/kg

**SAR(1 g) = 3.64 W/kg; SAR(10 g) = 2.64 W/kg**

Maximum value of SAR (measured) = 4.85 W/kg



0 dB = 4.85 W/kg = 6.86 dBW/kg

**Test Plot 61#: PTT\_4FSK 12.5KHz\_Body Back\_420 MHz\_DMR-5RB****DUT: VHF/UHF Two Way Radio; Type: DMR-5RB; Serial: 16091805223**

Communication System: 4FSK; Frequency: 420 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.936$  S/m;  $\epsilon_r = 54.892$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.79 W/kg

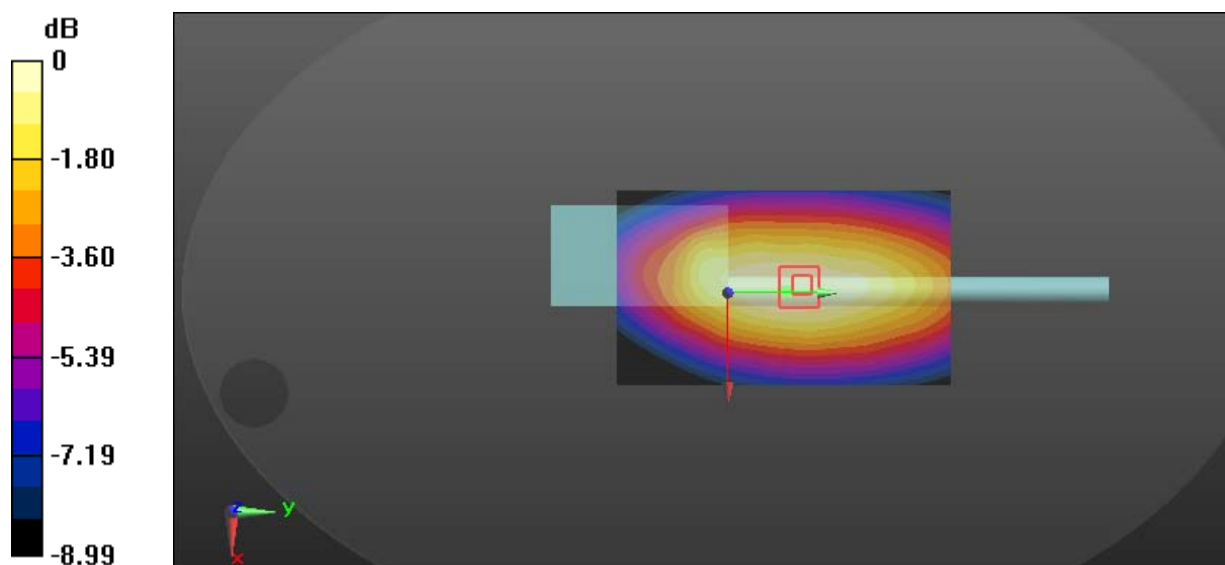
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 54.20 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 5.62 W/kg

**SAR(1 g) = 3.51 W/kg; SAR(10 g) = 2.53 W/kg**

Maximum value of SAR (measured) = 4.69 W/kg



0 dB = 4.69 W/kg = 6.71 dBW/kg

**Test Plot 62#: PTT\_4FSK 12.5KHz\_Body Back\_420 MHz\_DMR-5RC****DUT: VHF/UHF Two Way Radio; Type: DMR-5RC; Serial: 16091805224**

Communication System: 4FSK; Frequency: 420 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.936$  S/m;  $\epsilon_r = 54.892$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.09 W/kg

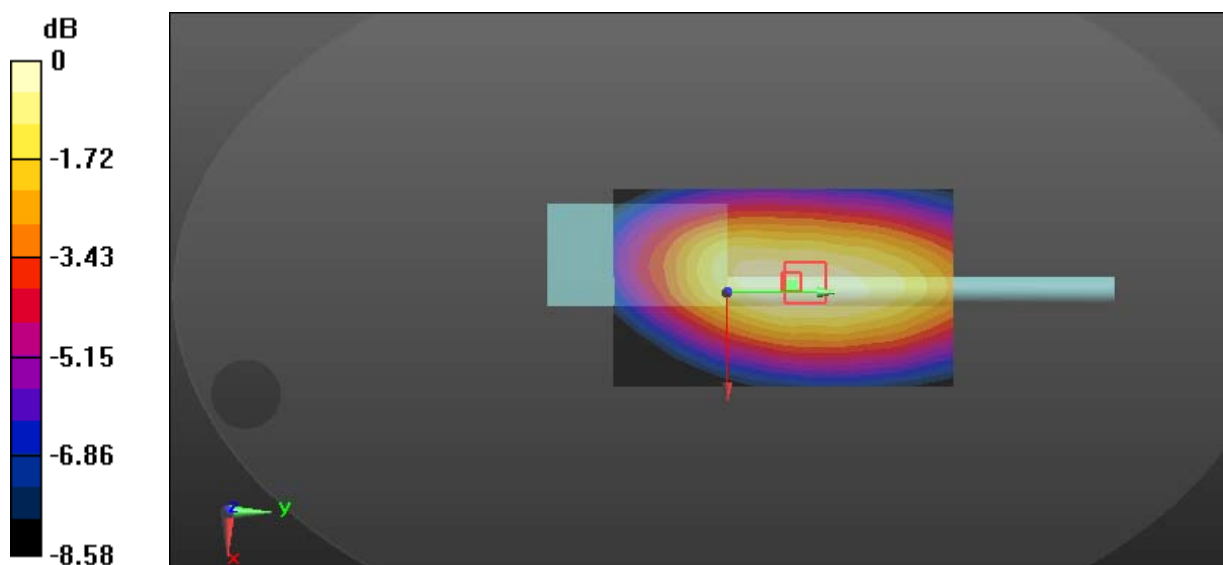
**Zoom Scan (7x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 54.06 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 5.69 W/kg

**SAR(1 g) = 3.7 W/kg; SAR(10 g) = 2.65 W/kg**

Maximum value of SAR (measured) = 4.88 W/kg



0 dB = 4.88 W/kg = 6.88 dBW/kg

**Test Plot 63#: PTT\_4FSK 12.5KHz\_Body Back\_420 MHz\_DMR-5RE****DUT: VHF/UHF Two Way Radio; Type: DMR-5RE; Serial: 16091805225**

Communication System: 4FSK; Frequency: 420 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.936$  S/m;  $\epsilon_r = 54.892$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.50 W/kg

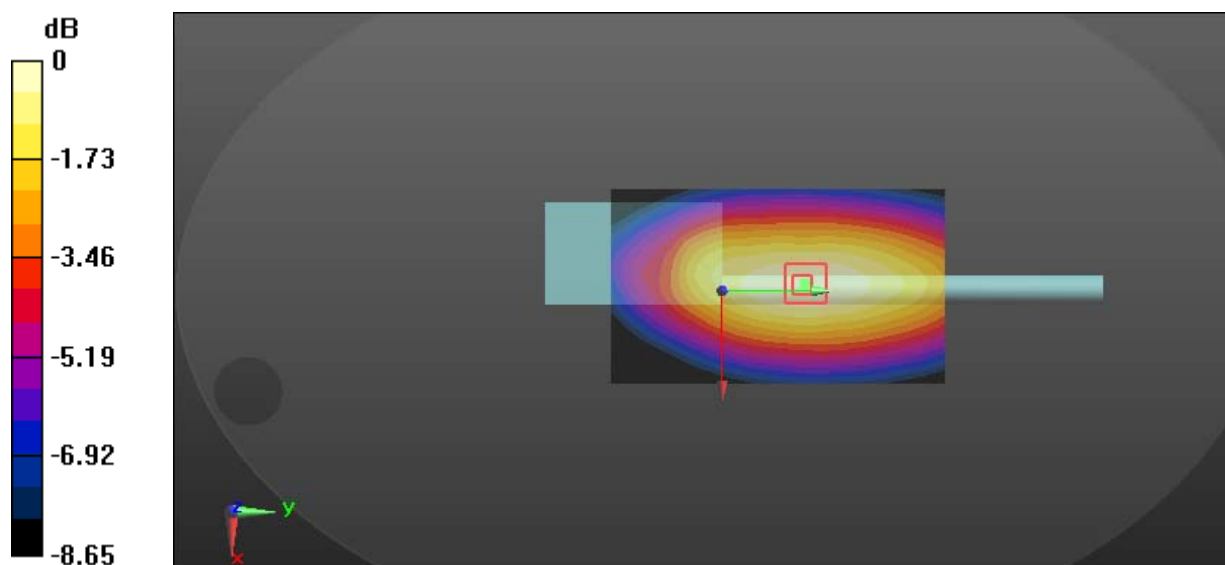
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 57.83 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 6.35 W/kg

**SAR(1 g) = 4.07 W/kg; SAR(10 g) = 2.94 W/kg**

Maximum value of SAR (measured) = 5.40 W/kg



0 dB = 5.40 W/kg = 7.32 dBW/kg

**Test Plot 64#: PTT\_4FSK 12.5KHz\_Body Back\_420 MHz\_GT-3 DMR****DUT: VHF/UHF Two Way Radio; Type: GT-3 DMR; Serial: 16091805226**

Communication System: 4FSK; Frequency: 420 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 420$  MHz;  $\sigma = 0.936$  S/m;  $\epsilon_r = 54.892$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.91 W/kg

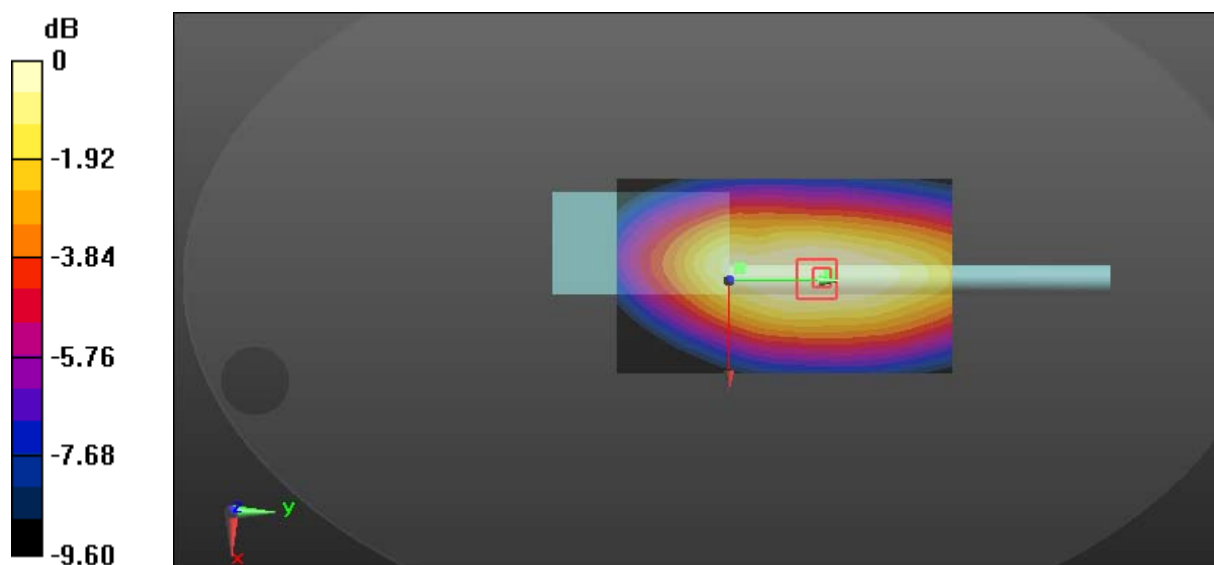
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 60.46 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 6.56 W/kg

**SAR(1 g) = 4.08 W/kg; SAR(10 g) = 2.91 W/kg**

Maximum value of SAR (measured) = 5.51 W/kg



0 dB = 5.51 W/kg = 7.41 dBW/kg