

**Test Plot 1#: PTT\_FM 12.5kHz\_Face Up\_400.0125 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

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

Medium parameters used:  $f = 400.012$  MHz;  $\sigma = 0.832$  S/m;  $\epsilon_r = 45.278$ ;  $\rho = 1000$  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 (71x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 5.08 W/kg

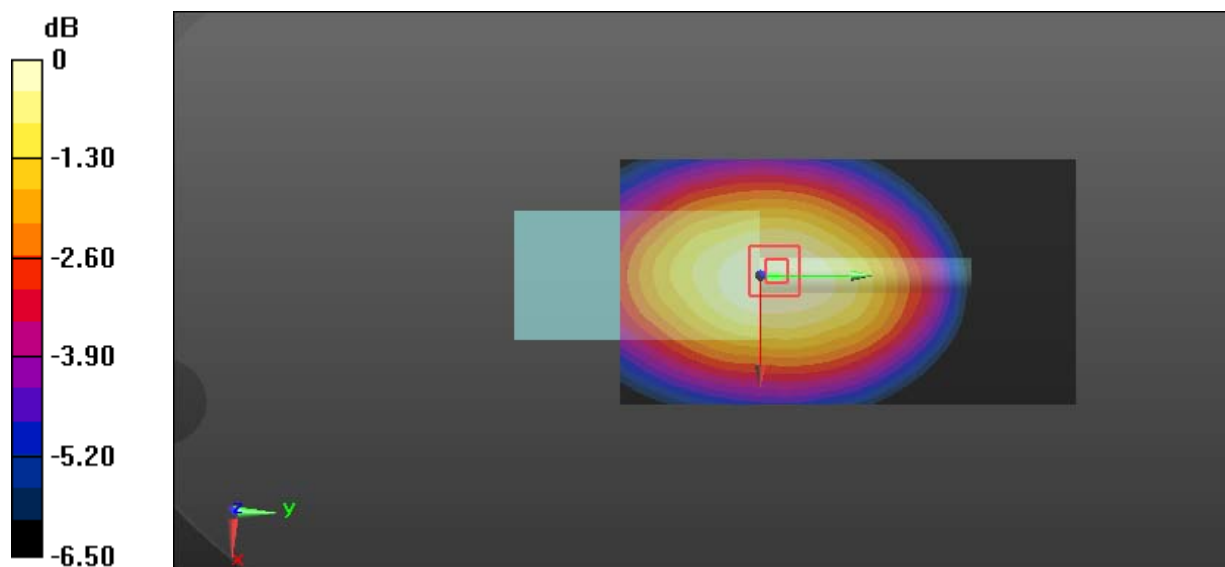
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 70.33 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 5.73 W/kg

**SAR(1 g) = 4.01 W/kg; SAR(10 g) = 3.09 W/kg**

Maximum value of SAR (measured) = 5.01 W/kg



0 dB = 5.01 W/kg = 7.00 dBW/kg

**Test Plot 2#: PTT\_FM 12.5kHz\_Face Up\_417 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

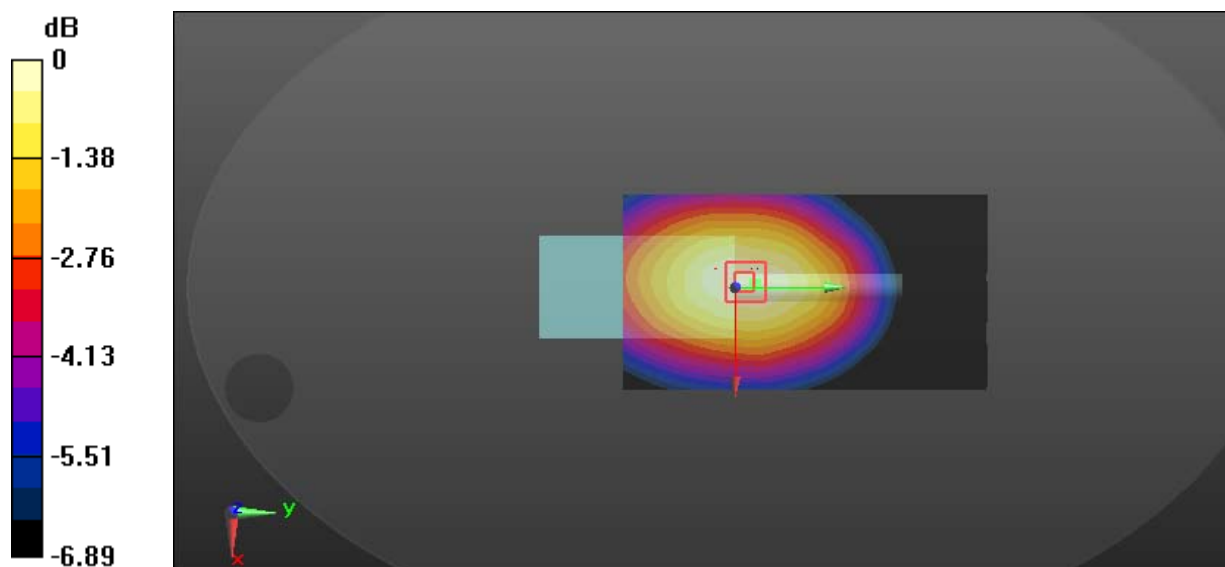
Communication System: FM; Frequency: 417 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 417 \text{ MHz}$ ;  $\sigma = 0.856 \text{ S/m}$ ;  $\epsilon_r = 45.138$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 (71x131x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $9.68 \text{ W/kg}$ **Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $94.87 \text{ V/m}$ ; Power Drift =  $-0.00 \text{ dB}$ Peak SAR (extrapolated) =  $11.5 \text{ W/kg}$ **SAR(1 g) =  $7.92 \text{ W/kg}$ ; SAR(10 g) =  $6.04 \text{ W/kg}$** Maximum value of SAR (measured) =  $9.92 \text{ W/kg}$  $0 \text{ dB} = 9.92 \text{ W/kg} = 9.97 \text{ dBW/kg}$

**Test Plot 3#: PTT\_FM 12.5kHz\_Face Up\_435 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

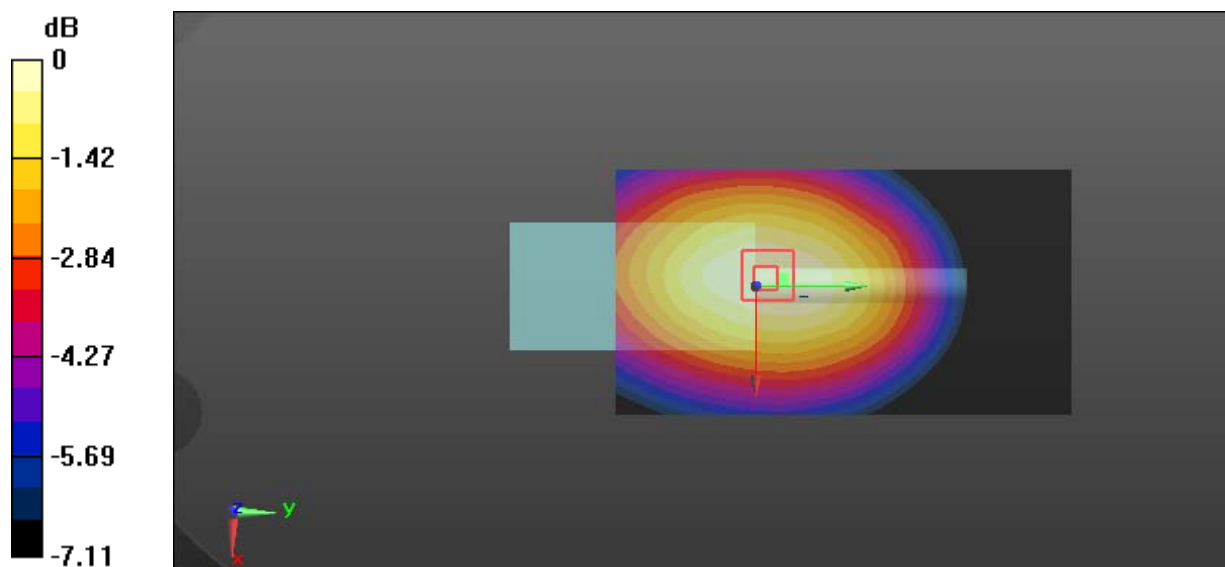
Communication System: FM; Frequency: 435 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 435 \text{ MHz}$ ;  $\sigma = 0.849 \text{ S/m}$ ;  $\epsilon_r = 45.182$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 (71x131x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $9.01 \text{ W/kg}$ **Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $92.89 \text{ V/m}$ ; Power Drift =  $0.00 \text{ dB}$ Peak SAR (extrapolated) =  $10.3 \text{ W/kg}$ **SAR(1 g) =  $7.16 \text{ W/kg}$ ; SAR(10 g) =  $5.45 \text{ W/kg}$** Maximum value of SAR (measured) =  $8.96 \text{ W/kg}$  $0 \text{ dB} = 8.96 \text{ W/kg} = 9.52 \text{ dBW/kg}$

**Test Plot 4#: PTT\_FM 12.5kHz\_Face Up\_452 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

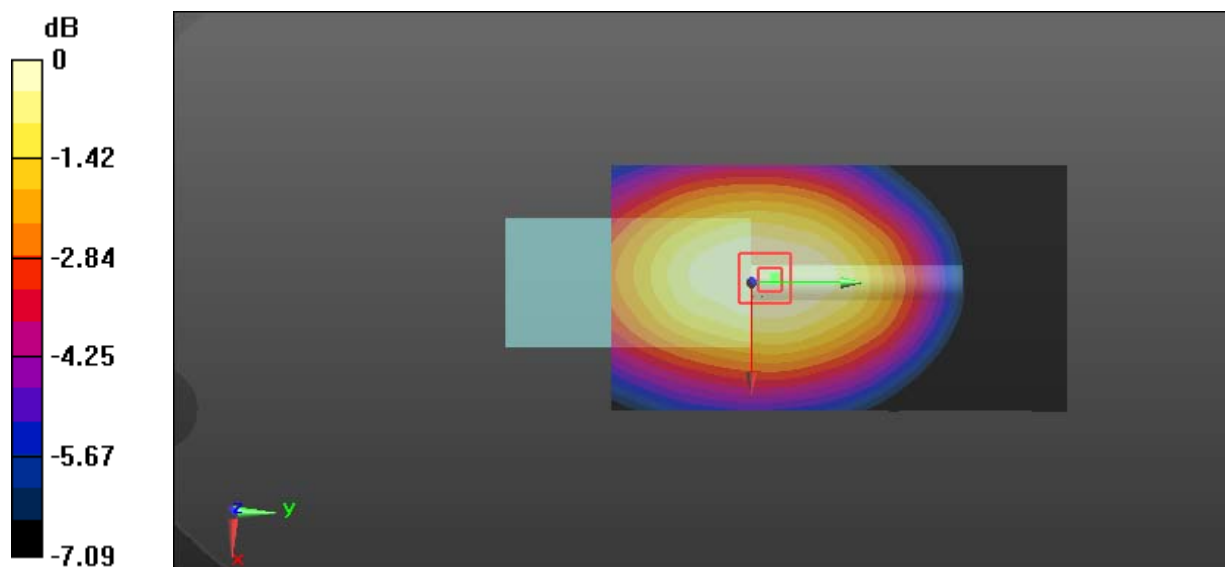
Communication System: FM; Frequency: 452 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 452 \text{ MHz}$ ;  $\sigma = 0.836 \text{ S/m}$ ;  $\epsilon_r = 44.299$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 (71x131x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $6.13 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $78.71 \text{ V/m}$ ; Power Drift =  $-0.02 \text{ dB}$ Peak SAR (extrapolated) =  $6.77 \text{ W/kg}$ **SAR(1 g) =  $4.78 \text{ W/kg}$ ; SAR(10 g) =  $3.63 \text{ W/kg}$** Maximum value of SAR (measured) =  $5.97 \text{ W/kg}$  $0 \text{ dB} = 5.97 \text{ W/kg} = 7.76 \text{ dBW/kg}$

**Test Plot 5#: PTT\_FM 12.5kHz\_Face Up\_469.9875 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 469.988$  MHz;  $\sigma = 0.836$  S/m;  $\epsilon_r = 44.013$ ;  $\rho = 1000$  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 (71x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 4.31 W/kg

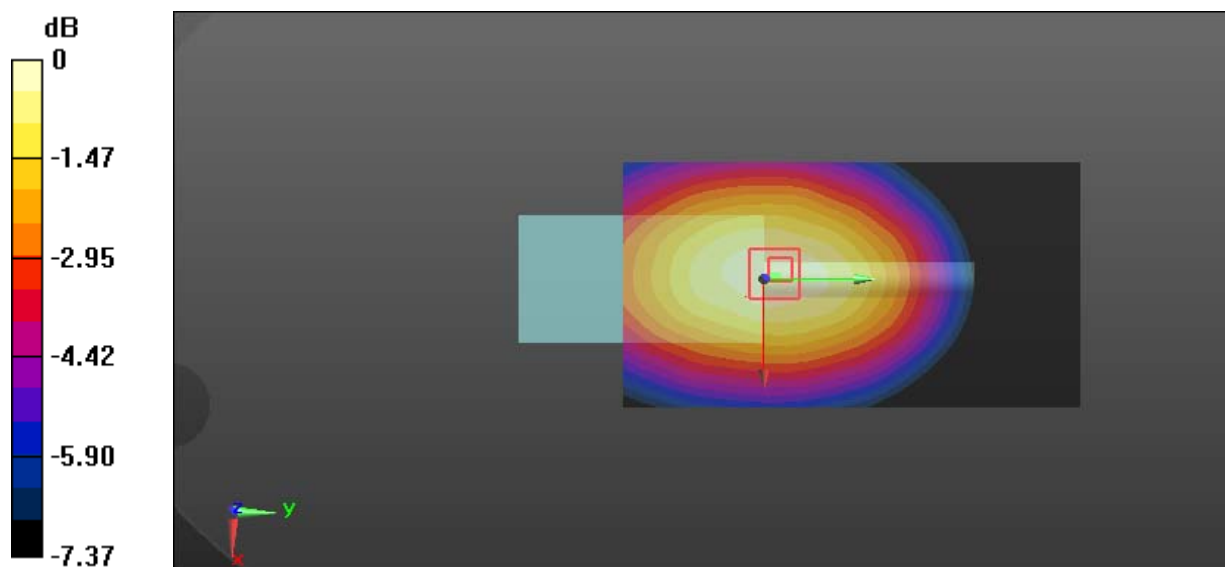
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 63.19 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 5.08 W/kg

**SAR(1 g) = 3.52 W/kg; SAR(10 g) = 2.66 W/kg**

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



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

**Test Plot 6#: PTT\_FM 25kHz\_Face Up\_400.0125 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

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

Medium parameters used:  $f = 400.012$  MHz;  $\sigma = 0.832$  S/m;  $\epsilon_r = 45.278$ ;  $\rho = 1000$  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 (71x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

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

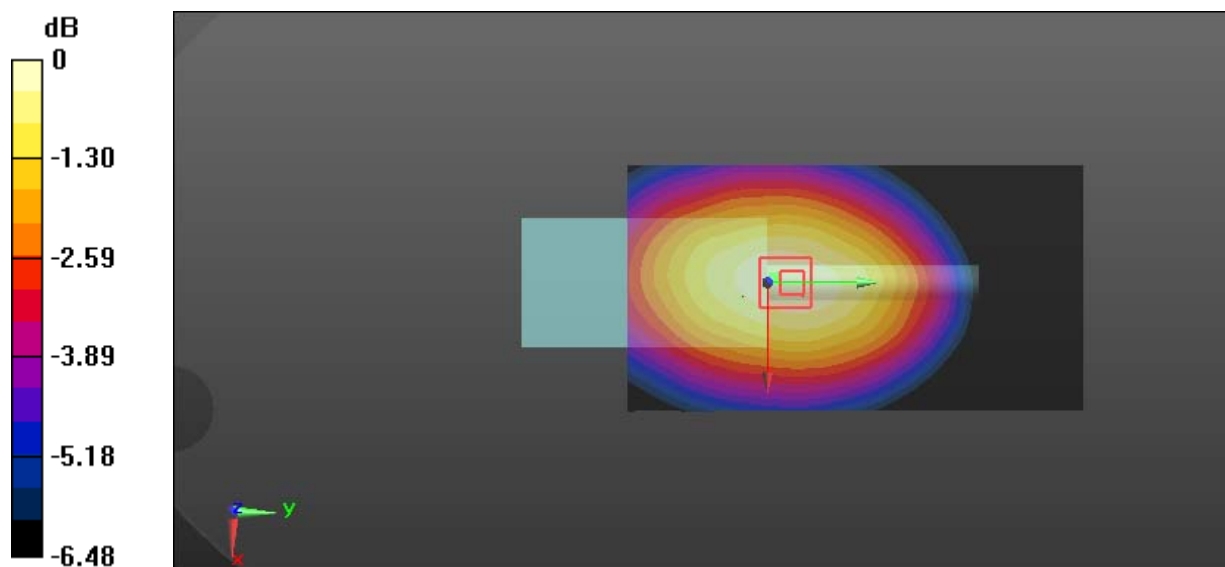
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 68.90 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 5.34 W/kg

**SAR(1 g) = 3.79 W/kg; SAR(10 g) = 2.91 W/kg**

Maximum value of SAR (measured) = 4.71 W/kg



0 dB = 4.71 W/kg = 6.73 dBW/kg

**Test Plot 7#: PTT\_FM 25kHz\_Face Up\_417 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

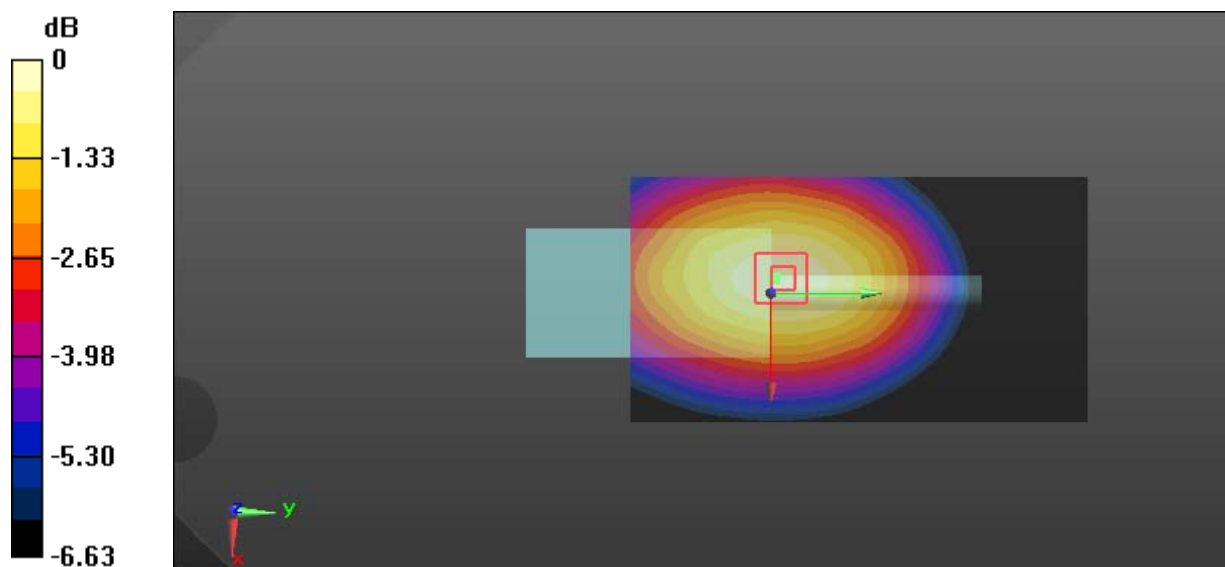
Communication System: FM; Frequency: 417 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 417 \text{ MHz}$ ;  $\sigma = 0.856 \text{ S/m}$ ;  $\epsilon_r = 45.138$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 (71x131x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $9.86 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $94.95 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$ Peak SAR (extrapolated) =  $11.3 \text{ W/kg}$ **SAR(1 g) =  $7.93 \text{ W/kg}$ ; SAR(10 g) =  $6.04 \text{ W/kg}$** Maximum value of SAR (measured) =  $9.99 \text{ W/kg}$  $0 \text{ dB} = 9.99 \text{ W/kg} = 10.00 \text{ dBW/kg}$

**Test Plot 8#: PTT\_FM 25kHz\_Face Up\_435 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

Communication System: FM; Frequency: 435 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 435$  MHz;  $\sigma = 0.849$  S/m;  $\epsilon_r = 45.182$ ;  $\rho = 1000$  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 (71x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 9.13 W/kg

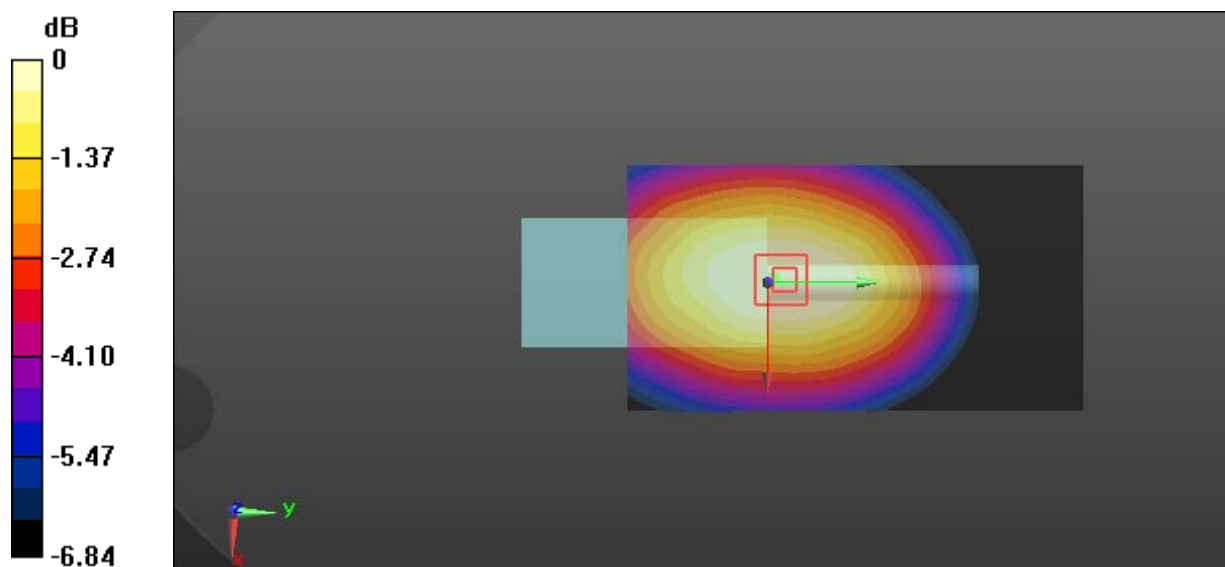
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 96.02 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 9.77 W/kg

**SAR(1 g) = 6.89 W/kg; SAR(10 g) = 5.24 W/kg**

Maximum value of SAR (measured) = 8.64 W/kg



0 dB = 8.64 W/kg = 9.37 dBW/kg



**Test Plot 9#: PTT\_FM 25kHz\_Face Up\_452 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

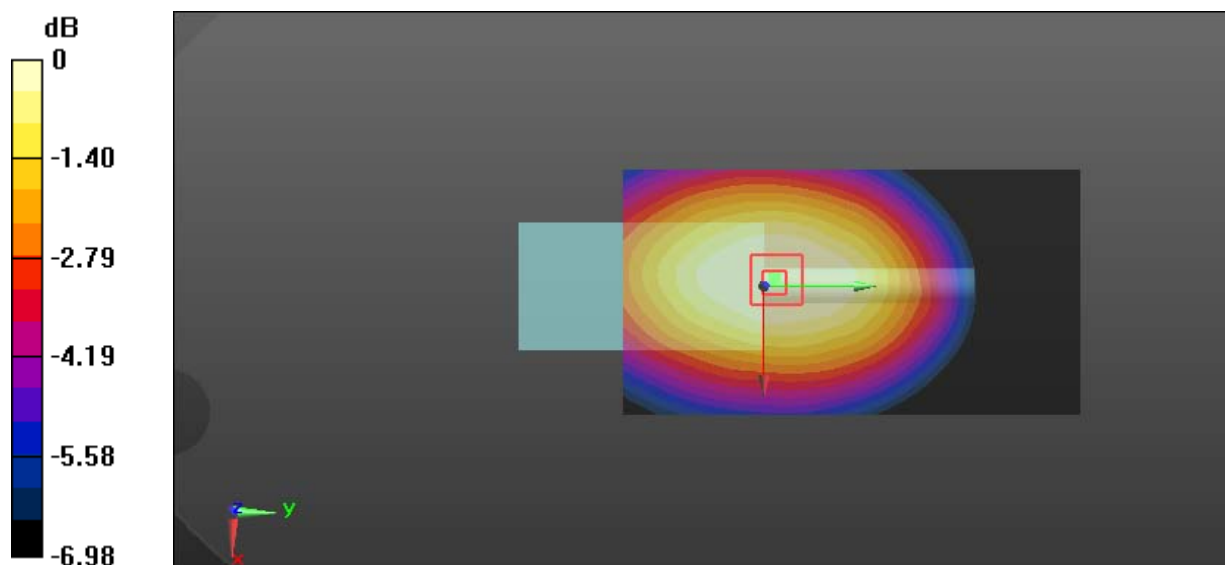
Communication System: FM; Frequency: 452 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 452 \text{ MHz}$ ;  $\sigma = 0.836 \text{ S/m}$ ;  $\epsilon_r = 44.299$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 (71x131x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $6.83 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $82.70 \text{ V/m}$ ; Power Drift =  $-0.03 \text{ dB}$ Peak SAR (extrapolated) =  $7.10 \text{ W/kg}$ **SAR(1 g) =  $5 \text{ W/kg}$ ; SAR(10 g) =  $3.8 \text{ W/kg}$** Maximum value of SAR (measured) =  $6.29 \text{ W/kg}$  $0 \text{ dB} = 6.29 \text{ W/kg} = 7.99 \text{ dBW/kg}$

**Test Plot 10#: PTT\_FM 25kHz\_Face Up\_469.9875 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

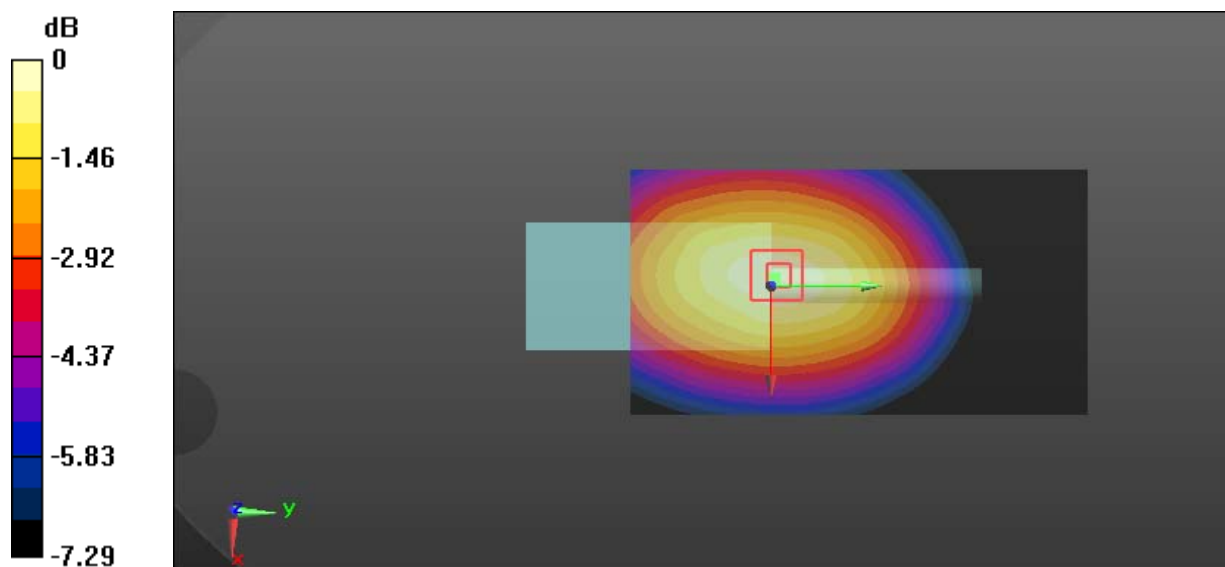
Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 469.988 \text{ MHz}$ ;  $\sigma = 0.836 \text{ S/m}$ ;  $\epsilon_r = 44.013$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 (71x131x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $4.20 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $62.78 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$ Peak SAR (extrapolated) =  $4.92 \text{ W/kg}$ **SAR(1 g) =  $3.42 \text{ W/kg}$ ; SAR(10 g) =  $2.58 \text{ W/kg}$** Maximum value of SAR (measured) =  $4.33 \text{ W/kg}$  $0 \text{ dB} = 4.33 \text{ W/kg} = 6.36 \text{ dBW/kg}$

**Test Plot 11#: PTT\_4FSK 12.5kHz\_Face Up\_417 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

Communication System: 4FSK; Frequency: 417 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 417$  MHz;  $\sigma = 0.856$  S/m;  $\epsilon_r = 45.138$ ;  $\rho = 1000$  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 (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.30 W/kg

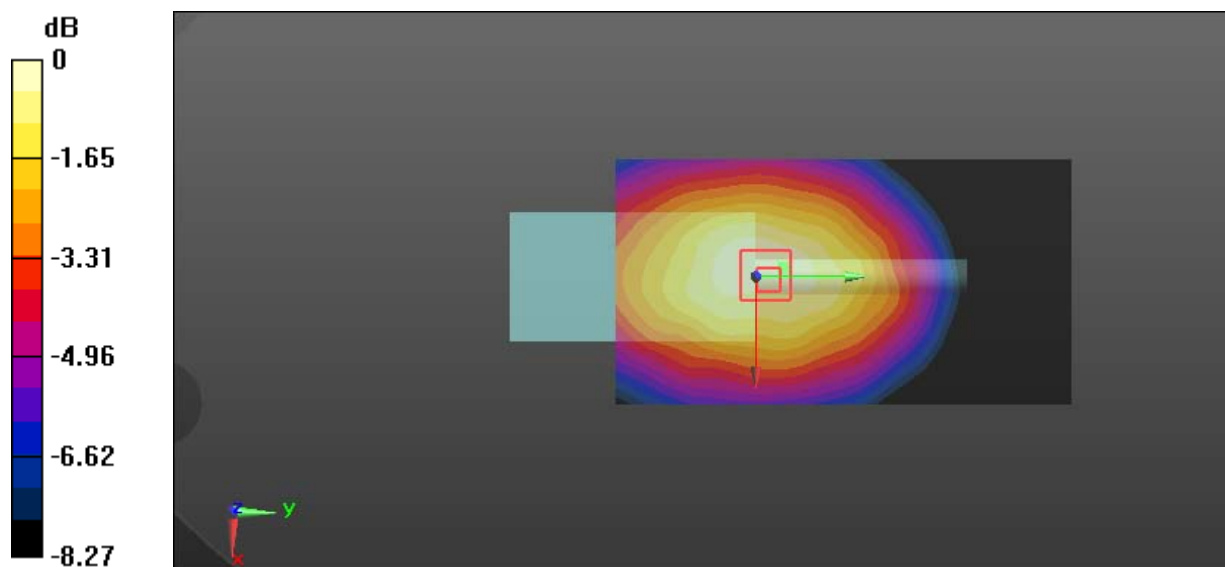
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 73.90 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 7.32 W/kg

**SAR(1 g) = 4.8 W/kg; SAR(10 g) = 3.59 W/kg**

Maximum value of SAR (measured) = 6.33 W/kg



0 dB = 6.33 W/kg = 8.01 dBW/kg

**Test Plot 12#: PTT\_FM 12.5kHz\_Body Back\_400.0125 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

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

Medium parameters used:  $f = 400.012$  MHz;  $\sigma = 0.935$  S/m;  $\epsilon_r = 55.671$ ;  $\rho = 1000$  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 (71x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 9.61 W/kg

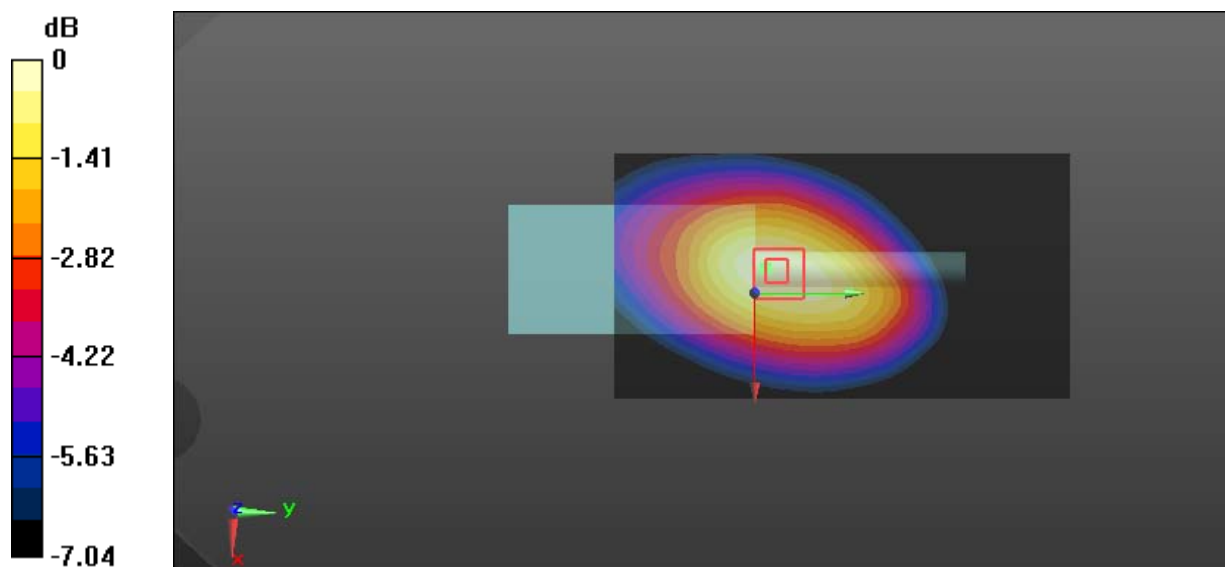
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 87.91 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 11.2 W/kg

**SAR(1 g) = 7.7 W/kg; SAR(10 g) = 5.84 W/kg**

Maximum value of SAR (measured) = 9.75 W/kg



0 dB = 9.75 W/kg = 9.89 dBW/kg

**Test Plot 13#: PTT\_FM 12.5kHz\_Body Back\_417 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

Communication System: FM; Frequency: 417 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 417$  MHz;  $\sigma = 0.949$  S/m;  $\epsilon_r = 55.406$ ;  $\rho = 1000$  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 (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 14.2 W/kg

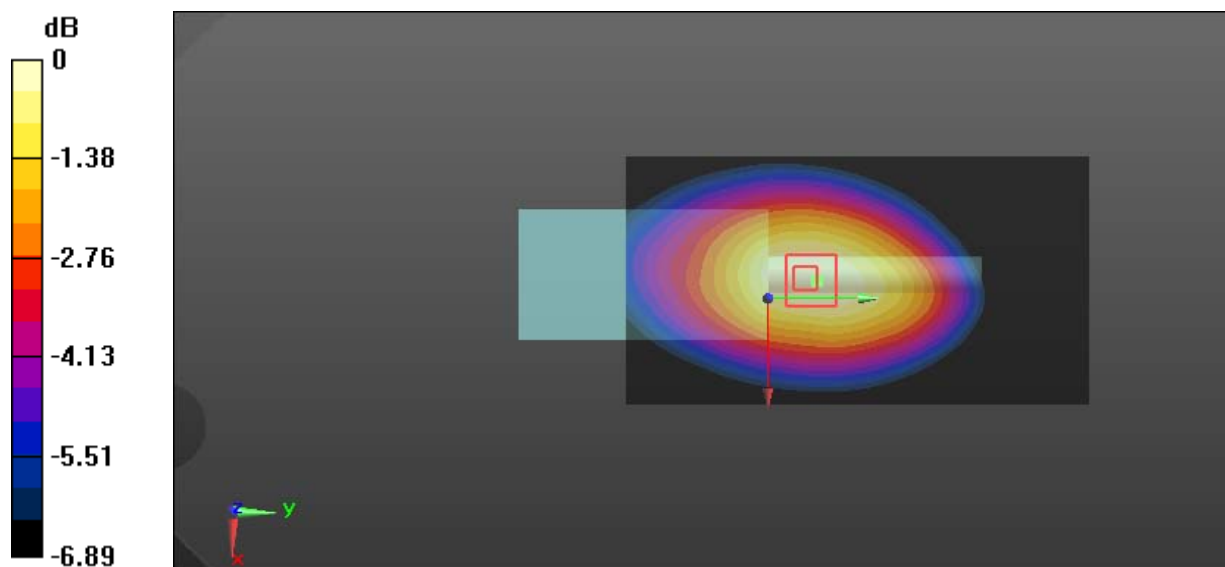
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 101.6 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 16.3 W/kg

**SAR(1 g) = 11.1 W/kg; SAR(10 g) = 8.30 W/kg**

Maximum value of SAR (measured) = 14.2 W/kg



0 dB = 14.2 W/kg = 11.52 dBW/kg

**Test Plot 14#: PTT\_FM 12.5kHz\_Body Back\_435 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

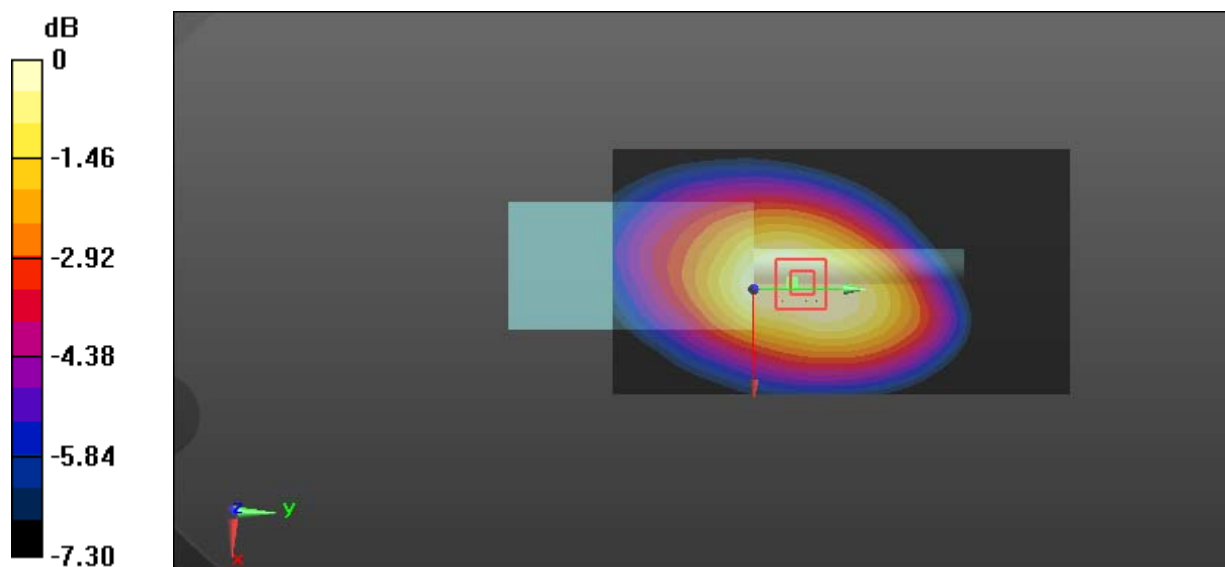
Communication System: FM; Frequency: 435 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 435 \text{ MHz}$ ;  $\sigma = 0.935 \text{ S/m}$ ;  $\epsilon_r = 54.981$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 (71x131x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $12.4 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $94.45 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$ Peak SAR (extrapolated) =  $13.9 \text{ W/kg}$ **SAR(1 g) =  $9.08 \text{ W/kg}$ ; SAR(10 g) =  $6.7 \text{ W/kg}$** Maximum value of SAR (measured) =  $11.9 \text{ W/kg}$ 0 dB =  $11.9 \text{ W/kg}$  =  $10.76 \text{ dBW/kg}$

**Test Plot 15#: PTT\_FM 12.5kHz\_Body Back\_452 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

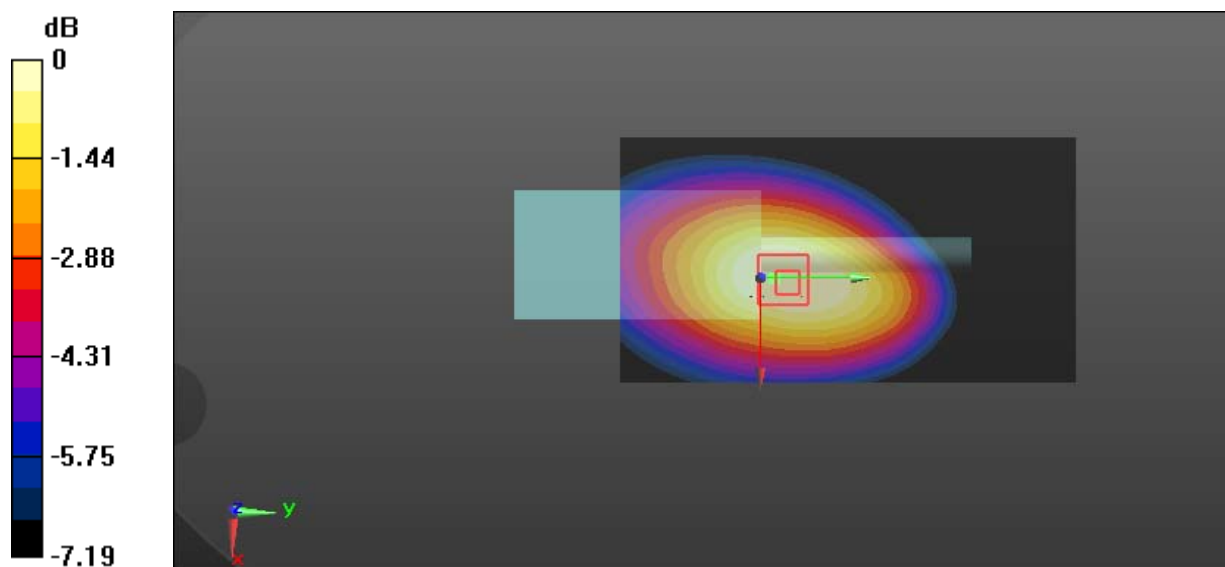
Communication System: FM; Frequency: 452 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 452 \text{ MHz}$ ;  $\sigma = 0.947 \text{ S/m}$ ;  $\epsilon_r = 54.575$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 (71x131x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $10.8 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $100.1 \text{ V/m}$ ; Power Drift =  $-0.09 \text{ dB}$ Peak SAR (extrapolated) =  $11.6 \text{ W/kg}$ **SAR(1 g) =  $7.8 \text{ W/kg}$ ; SAR(10 g) =  $5.72 \text{ W/kg}$** Maximum value of SAR (measured) =  $10.1 \text{ W/kg}$  $0 \text{ dB} = 10.1 \text{ W/kg} = 10.04 \text{ dBW/kg}$

**Test Plot 16#: PTT\_FM 12.5kHz\_Body Back\_469.9875 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

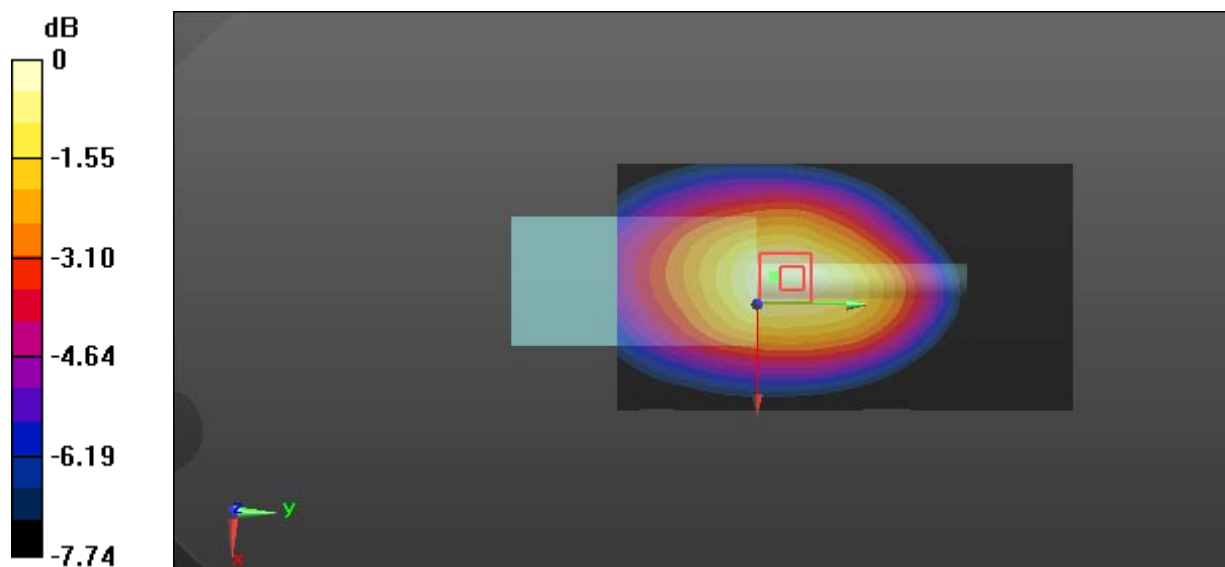
Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 469.988 \text{ MHz}$ ;  $\sigma = 0.961 \text{ S/m}$ ;  $\epsilon_r = 53.976$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 (71x131x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $7.20 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $70.66 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$ Peak SAR (extrapolated) =  $8.65 \text{ W/kg}$ **SAR(1 g) =  $5.53 \text{ W/kg}$ ; SAR(10 g) =  $4 \text{ W/kg}$** Maximum value of SAR (measured) =  $7.29 \text{ W/kg}$  $0 \text{ dB} = 7.29 \text{ W/kg} = 8.63 \text{ dBW/kg}$



**Test Plot 17#: PTT\_FM 25kHz\_Body Back\_400.0125 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

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

Medium parameters used:  $f = 400.012$  MHz;  $\sigma = 0.935$  S/m;  $\epsilon_r = 55.671$ ;  $\rho = 1000$  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 (71x131x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

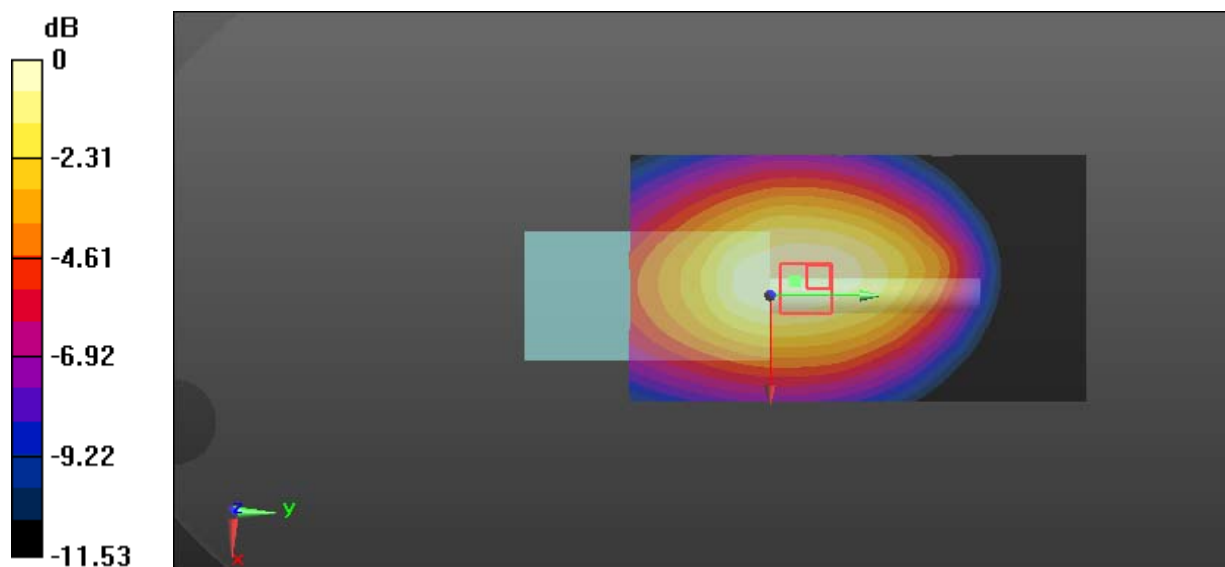
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 91.09 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 13.9 W/kg

**SAR(1 g) = 8.6 W/kg; SAR(10 g) = 5.01 W/kg**

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



0 dB = 10.9 W/kg = 10.37 dBW/kg

**Test Plot 18#: PTT\_FM 25kHz\_Body Back\_417 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

Communication System: FM; Frequency: 417 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 417$  MHz;  $\sigma = 0.949$  S/m;  $\epsilon_r = 55.406$ ;  $\rho = 1000$  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 (71x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 15.1 W/kg

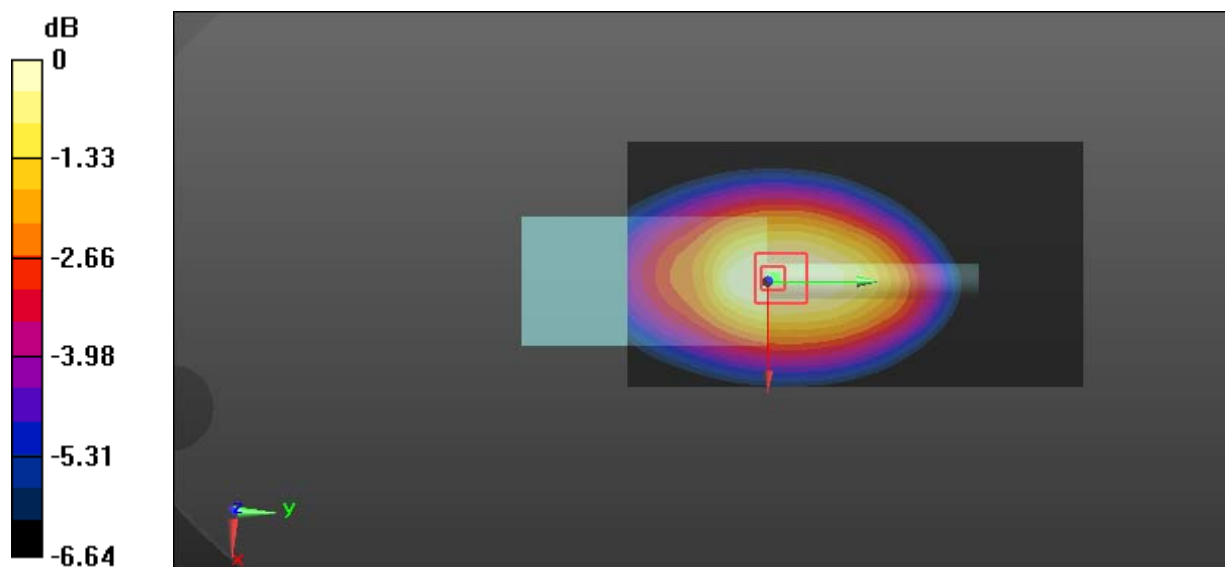
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 113.2 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 16.2 W/kg

**SAR(1 g) = 11.2 W/kg; SAR(10 g) = 8.38 W/kg**

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



0 dB = 14.1 W/kg = 11.49 dBW/kg

**Test Plot 19#: PTT\_FM 25kHz\_Body Back\_435 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

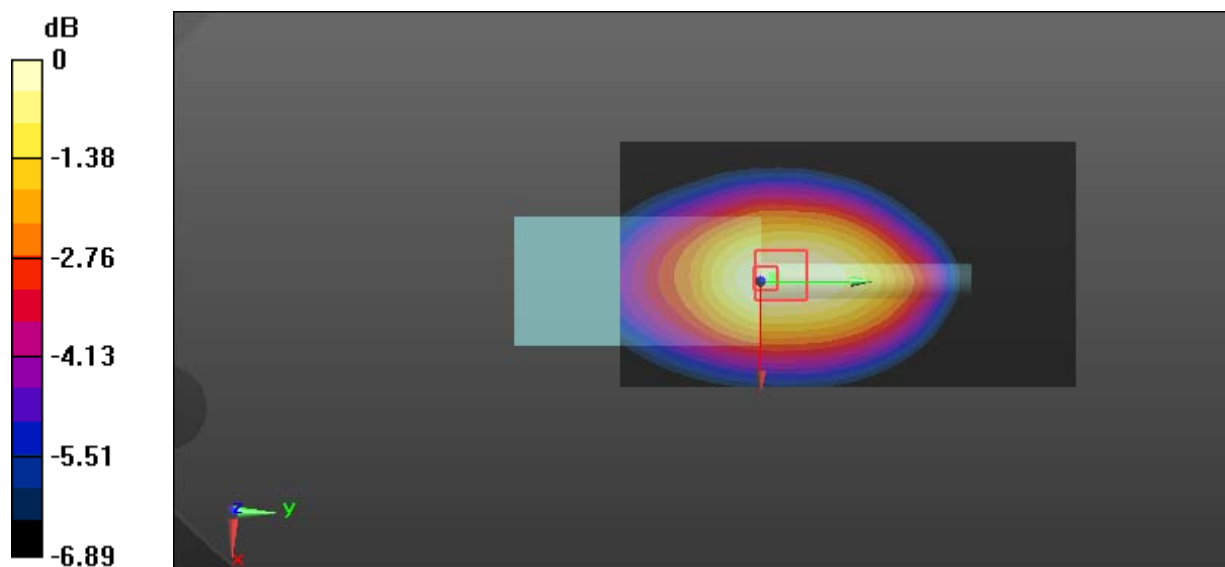
Communication System: FM; Frequency: 435 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 435 \text{ MHz}$ ;  $\sigma = 0.935 \text{ S/m}$ ;  $\epsilon_r = 54.981$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 (71x131x1):** 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 =  $102.2 \text{ V/m}$ ; Power Drift =  $-0.13 \text{ dB}$ Peak SAR (extrapolated) =  $13.7 \text{ W/kg}$ **SAR(1 g) =  $8.84 \text{ W/kg}$ ; SAR(10 g) =  $6.59 \text{ W/kg}$** Maximum value of SAR (measured) =  $11.7 \text{ W/kg}$  $0 \text{ dB} = 11.7 \text{ W/kg} = 10.68 \text{ dBW/kg}$

**Test Plot 20#: PTT\_FM 25kHz\_Body Back\_452 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

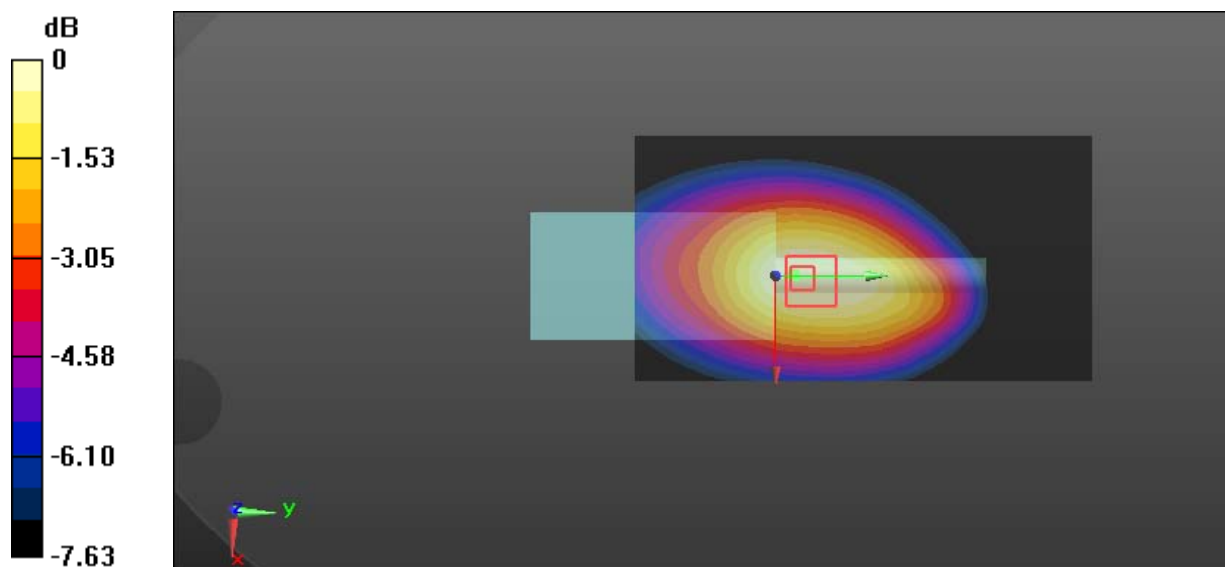
Communication System: FM; Frequency: 452 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 452 \text{ MHz}$ ;  $\sigma = 0.947 \text{ S/m}$ ;  $\epsilon_r = 54.575$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 (71x131x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $11.0 \text{ W/kg}$ **Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $95.48 \text{ V/m}$ ; Power Drift =  $-0.02 \text{ dB}$ Peak SAR (extrapolated) =  $12.1 \text{ W/kg}$ **SAR(1 g) =  $8.24 \text{ W/kg}$ ; SAR(10 g) =  $6.1 \text{ W/kg}$** Maximum value of SAR (measured) =  $10.6 \text{ W/kg}$  $0 \text{ dB} = 10.6 \text{ W/kg} = 10.25 \text{ dBW/kg}$

**Test Plot 21#: PTT\_FM 25kHz\_Body Back\_469.9875 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

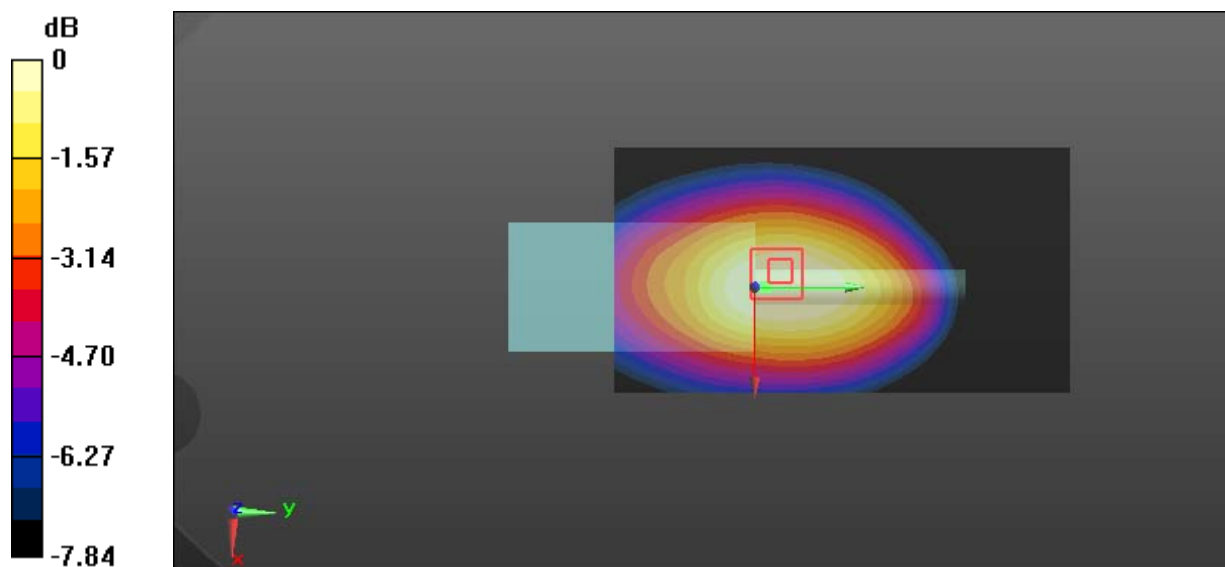
Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 469.988 \text{ MHz}$ ;  $\sigma = 0.961 \text{ S/m}$ ;  $\epsilon_r = 53.976$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 (71x131x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $8.28 \text{ W/kg}$ **Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $81.46 \text{ V/m}$ ; Power Drift =  $-0.09 \text{ dB}$ Peak SAR (extrapolated) =  $8.86 \text{ W/kg}$ **SAR(1 g) =  $5.8 \text{ W/kg}$ ; SAR(10 g) =  $4.22 \text{ W/kg}$** Maximum value of SAR (measured) =  $7.59 \text{ W/kg}$ 0 dB =  $7.59 \text{ W/kg}$  =  $8.80 \text{ dBW/kg}$

**Test Plot 22#: PTT\_4FSK 12.5kHz\_Body Back\_417 MHz****DUT: Digital Poratable Radio; Type: PD502i U(1); Serial: 17122000620**

Communication System: 4FSK; Frequency: 417 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 417$  MHz;  $\sigma = 0.949$  S/m;  $\epsilon_r = 55.406$ ;  $\rho = 1000$  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 (71x131x1):** Interpolated grid:  $dx=1.500$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 8.64 W/kg

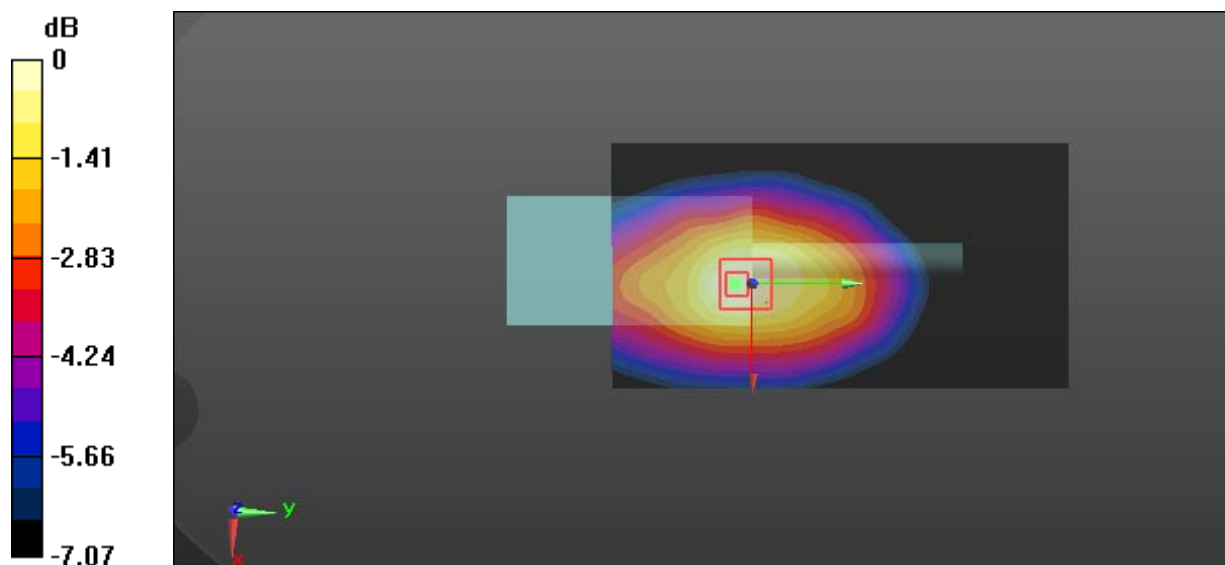
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 84.74 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 10.1 W/kg

**SAR(1 g) = 6.56 W/kg; SAR(10 g) = 4.81 W/kg**

Maximum value of SAR (measured) = 8.76 W/kg



0 dB = 8.76 W/kg = 9.43 dBW/kg