

**Test Plot 1#: PTT\_FM 12.5kHz\_Face Up\_400.0125 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

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

Medium parameters used:  $f = 400.012$  MHz;  $\sigma = 0.846$  S/m;  $\epsilon_r = 44.719$ ;  $\rho = 1000$  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

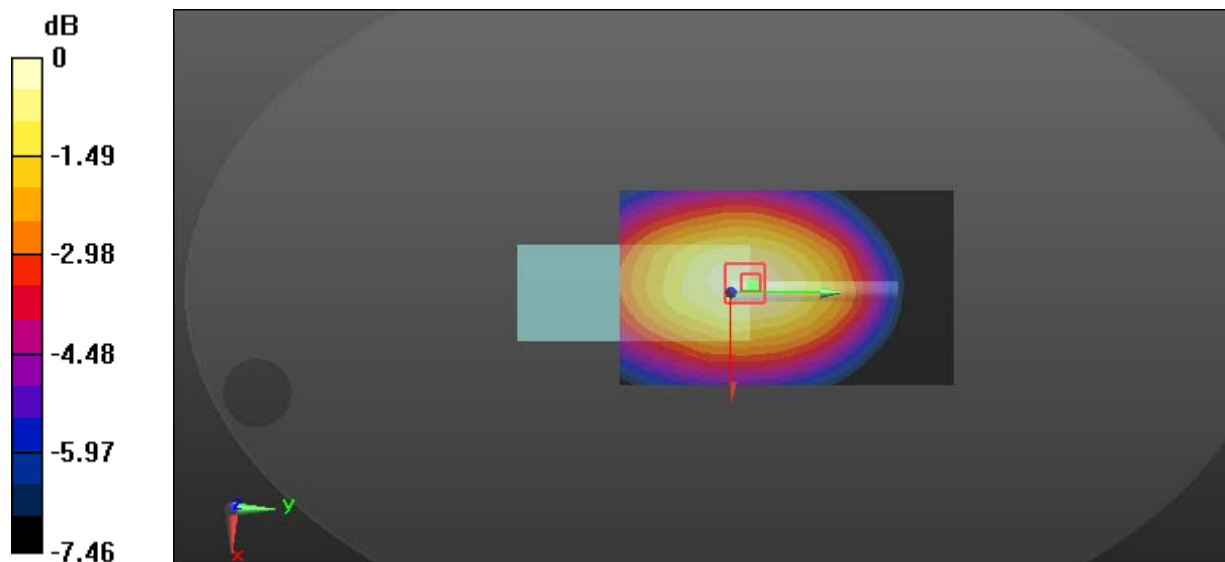
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 61.80 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 4.79 W/kg

**SAR(1 g) = 3.44 W/kg; SAR(10 g) = 2.61 W/kg**

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



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

**Test Plot 2#: PTT\_FM 12.5kHz\_Face Up\_417 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

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

Medium parameters used:  $f = 417$  MHz;  $\sigma = 0.849$  S/m;  $\epsilon_r = 44.702$ ;  $\rho = 1000$  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) = 8.07 W/kg

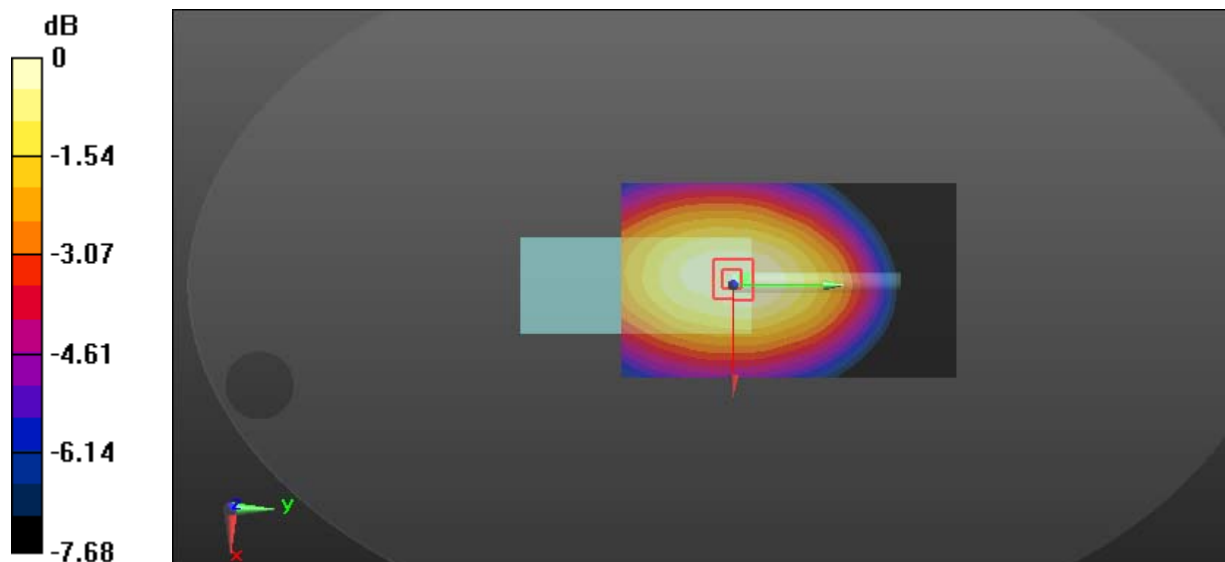
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 89.31 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 8.82 W/kg

**SAR(1 g) = 6.36 W/kg; SAR(10 g) = 4.8 W/kg**

Maximum value of SAR (measured) = 7.91 W/kg



0 dB = 7.91 W/kg = 8.98 dBW/kg

**Test Plot 3#: PTT\_FM 12.5kHz\_Face Up\_435 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

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

Medium parameters used:  $f = 435$  MHz;  $\sigma = 0.851$  S/m;  $\epsilon_r = 44.661$ ;  $\rho = 1000$  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) = 9.49 W/kg

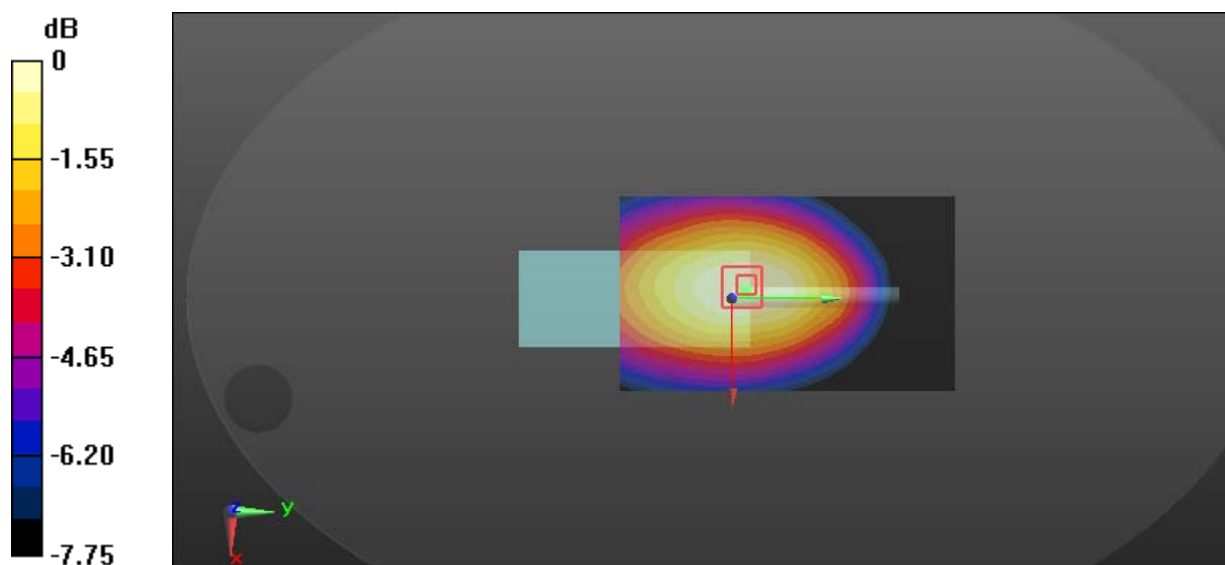
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 95.94 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 10.9 W/kg

**SAR(1 g) = 7.36 W/kg; SAR(10 g) = 5.44 W/kg**

Maximum value of SAR (measured) = 9.46 W/kg



0 dB = 9.46 W/kg = 9.76 dBW/kg

**Test Plot 4#: PTT\_FM 12.5kHz\_Face Up\_452 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

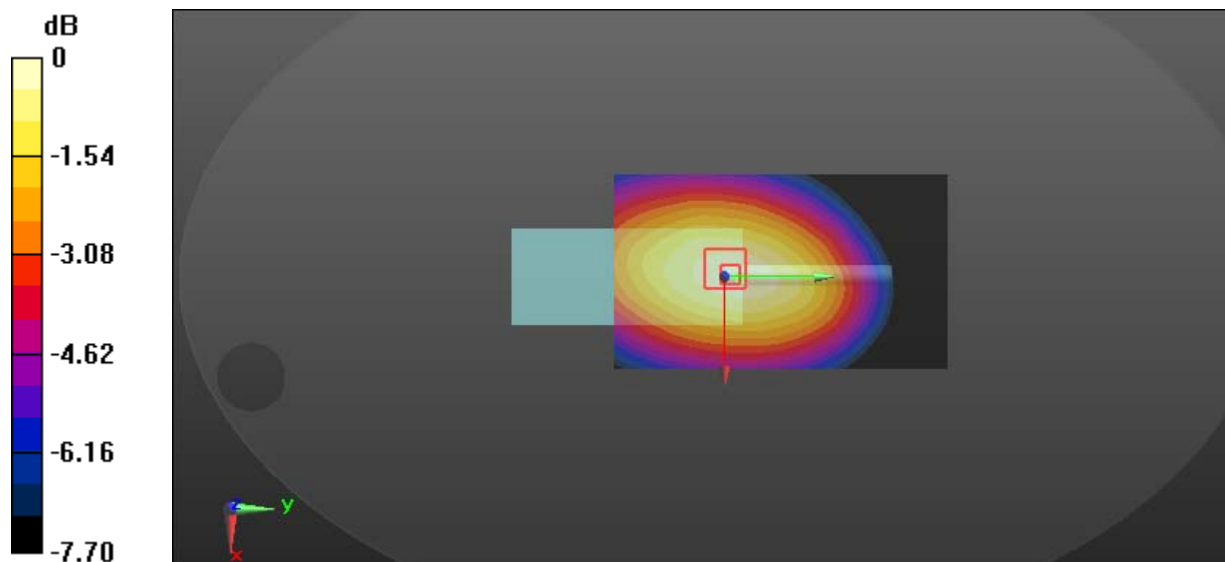
Communication System: FM; Frequency: 452 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 452 \text{ MHz}$ ;  $\sigma = 0.856 \text{ S/m}$ ;  $\epsilon_r = 44.51$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) =  $5.78 \text{ W/kg}$ **Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $74.00 \text{ V/m}$ ; Power Drift =  $-0.00 \text{ dB}$ Peak SAR (extrapolated) =  $6.74 \text{ W/kg}$ **SAR(1 g) =  $4.8 \text{ W/kg}$ ; SAR(10 g) =  $3.64 \text{ W/kg}$** Maximum value of SAR (measured) =  $6.02 \text{ W/kg}$  $0 \text{ dB} = 6.02 \text{ W/kg} = 7.80 \text{ dBW/kg}$

**Test Plot 5#: PTT\_FM 12.5kHz\_Face Up\_469.9875 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

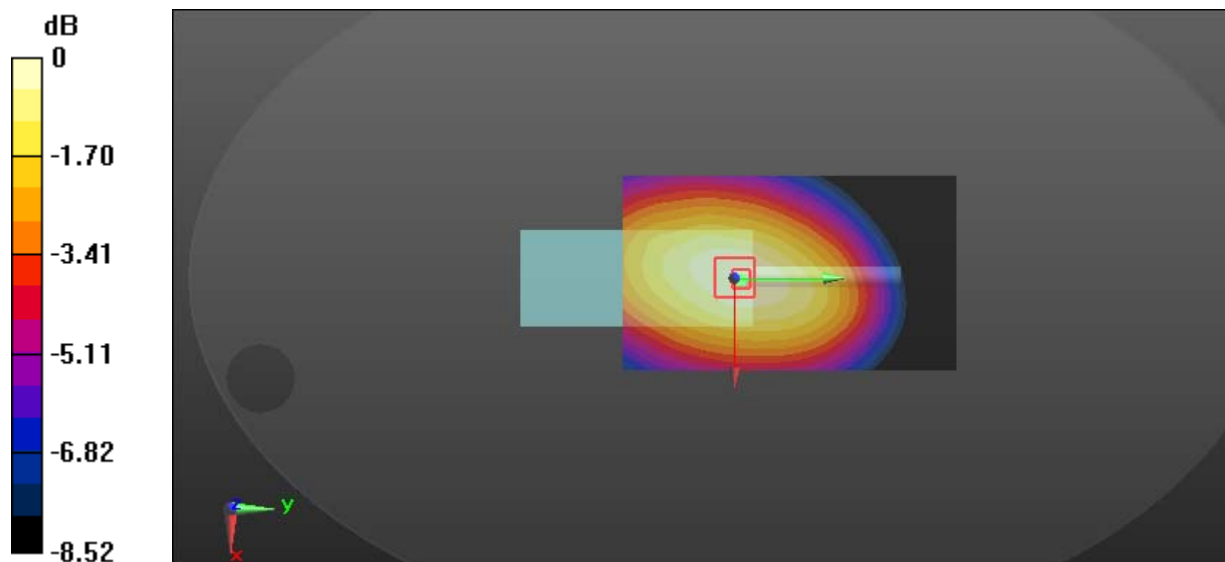
Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 469.988 \text{ MHz}$ ;  $\sigma = 0.864 \text{ S/m}$ ;  $\epsilon_r = 43.875$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) =  $6.33 \text{ W/kg}$ **Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $77.69 \text{ V/m}$ ; Power Drift =  $0.20 \text{ dB}$ Peak SAR (extrapolated) =  $7.13 \text{ W/kg}$ **SAR(1 g) =  $5.03 \text{ W/kg}$ ; SAR(10 g) =  $3.79 \text{ W/kg}$** Maximum value of SAR (measured) =  $6.36 \text{ W/kg}$  $0 \text{ dB} = 6.36 \text{ W/kg} = 8.03 \text{ dBW/kg}$

**Test Plot 6#: PTT\_FM 25kHz\_Face Up\_400.0125 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

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

Medium parameters used:  $f = 400.012$  MHz;  $\sigma = 0.846$  S/m;  $\epsilon_r = 44.719$ ;  $\rho = 1000$  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) = 3.95 W/kg

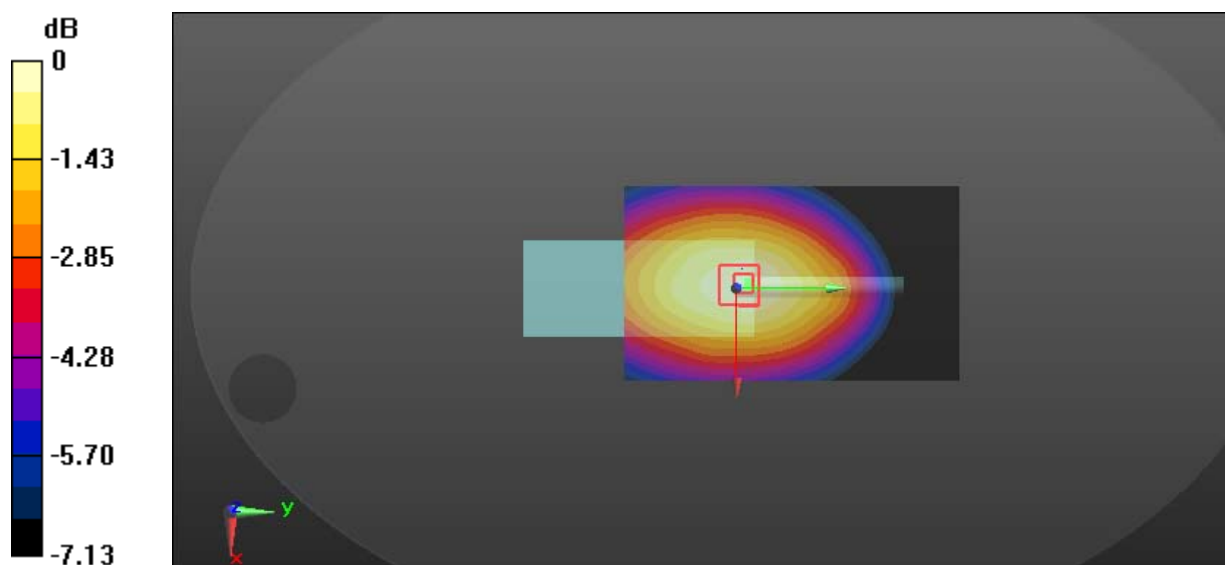
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 65.15 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 4.42 W/kg

**SAR(1 g) = 3.22 W/kg; SAR(10 g) = 2.45 W/kg**

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



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

**Test Plot 7#: PTT\_FM 25kHz\_Face Up\_417 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

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

Medium parameters used:  $f = 417$  MHz;  $\sigma = 0.849$  S/m;  $\epsilon_r = 44.702$ ;  $\rho = 1000$  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) = 7.65 W/kg

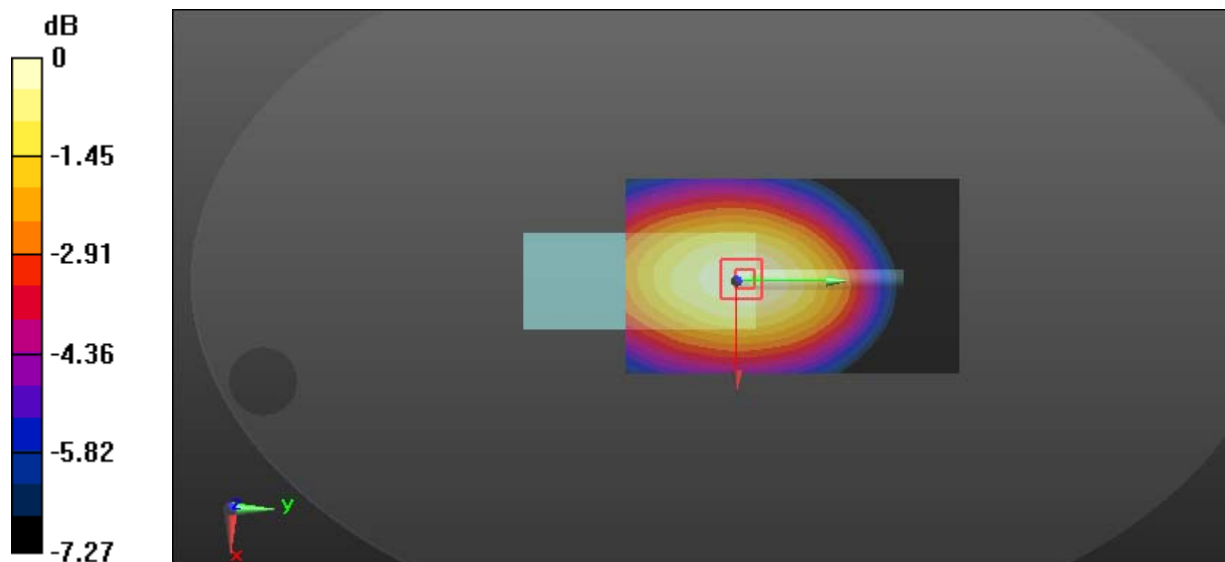
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 91.27 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 8.56 W/kg

**SAR(1 g) = 6.21 W/kg; SAR(10 g) = 4.72 W/kg**

Maximum value of SAR (measured) = 7.65 W/kg



0 dB = 7.65 W/kg = 8.84 dBW/kg

**Test Plot 8#: PTT\_FM 25kHz\_Face Up\_435 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

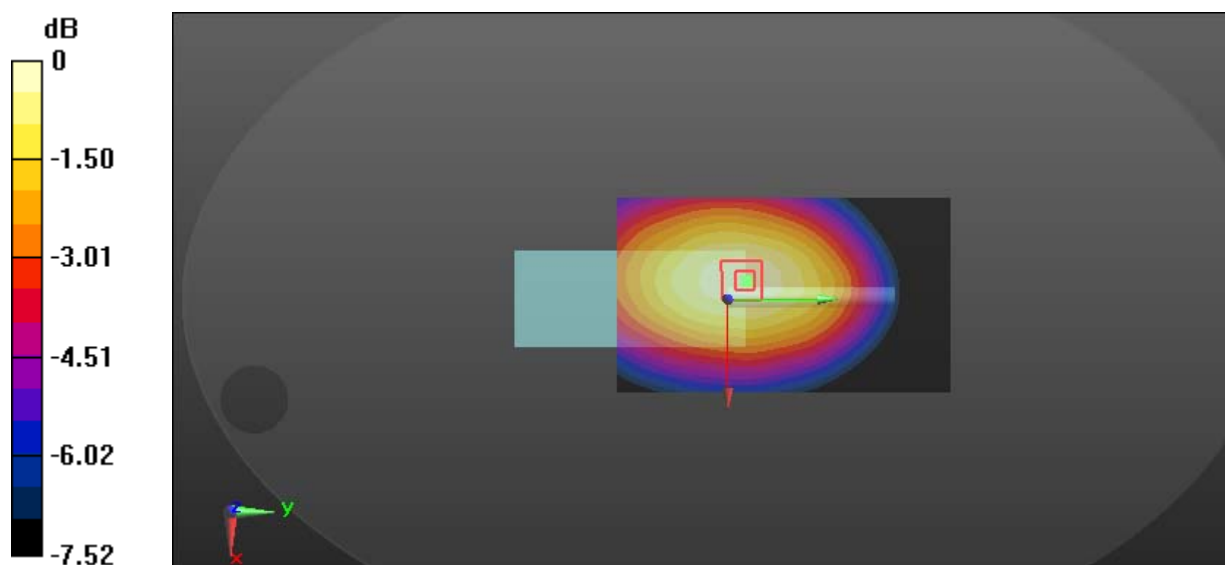
Communication System: FM; Frequency: 435 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 435 \text{ MHz}$ ;  $\sigma = 0.851 \text{ S/m}$ ;  $\epsilon_r = 44.661$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) =  $8.66 \text{ W/kg}$ **Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $88.55 \text{ V/m}$ ; Power Drift =  $0.00 \text{ dB}$ Peak SAR (extrapolated) =  $9.75 \text{ W/kg}$ **SAR(1 g) =  $7.01 \text{ W/kg}$ ; SAR(10 g) =  $5.3 \text{ W/kg}$** Maximum value of SAR (measured) =  $8.73 \text{ W/kg}$  $0 \text{ dB} = 8.73 \text{ W/kg} = 9.41 \text{ dBW/kg}$



**Test Plot 9#: PTT\_FM 25kHz\_Face Up\_452 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

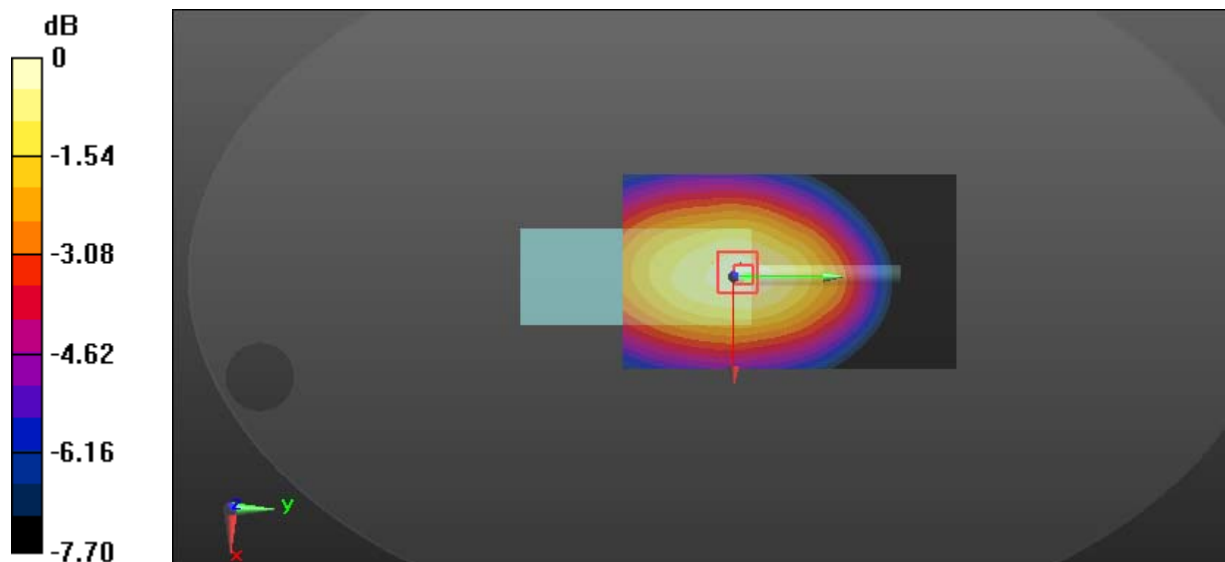
Communication System: FM; Frequency: 452 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 452 \text{ MHz}$ ;  $\sigma = 0.856 \text{ S/m}$ ;  $\epsilon_r = 44.51$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) =  $6.07 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $76.41 \text{ V/m}$ ; Power Drift =  $-0.06 \text{ dB}$ Peak SAR (extrapolated) =  $7.28 \text{ W/kg}$ **SAR(1 g) =  $5.09 \text{ W/kg}$ ; SAR(10 g) =  $3.83 \text{ W/kg}$** Maximum value of SAR (measured) =  $6.45 \text{ W/kg}$  $0 \text{ dB} = 6.45 \text{ W/kg} = 8.10 \text{ dBW/kg}$

**Test Plot 10#: PTT\_FM 25kHz\_Face Up\_469.9875 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

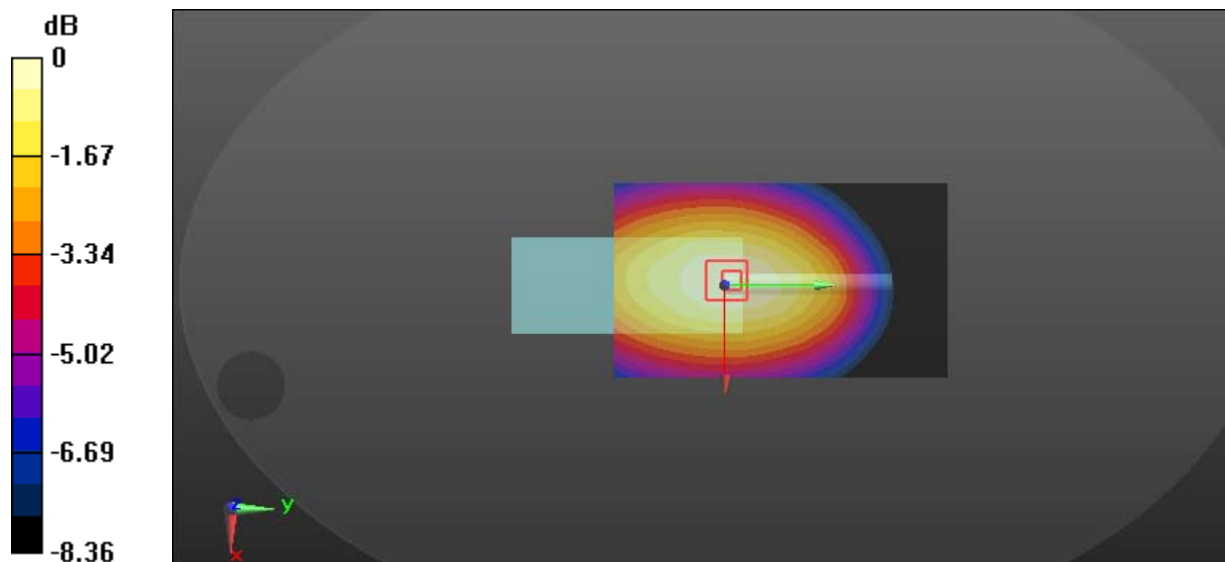
Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 469.988 \text{ MHz}$ ;  $\sigma = 0.864 \text{ S/m}$ ;  $\epsilon_r = 43.875$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) =  $6.32 \text{ W/kg}$ **Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $77.56 \text{ V/m}$ ; Power Drift =  $-0.11 \text{ dB}$ Peak SAR (extrapolated) =  $7.14 \text{ W/kg}$ **SAR(1 g) =  $5.12 \text{ W/kg}$ ; SAR(10 g) =  $3.88 \text{ W/kg}$** Maximum value of SAR (measured) =  $6.35 \text{ W/kg}$  $0 \text{ dB} = 6.35 \text{ W/kg} = 8.03 \text{ dBW/kg}$

**Test Plot 11#: PTT\_4FSK 25kHz\_Face Up\_435 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: 4FSK; Frequency: 435 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 435$  MHz;  $\sigma = 0.851$  S/m;  $\epsilon_r = 44.661$ ;  $\rho = 1000$  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) = 4.10 W/kg

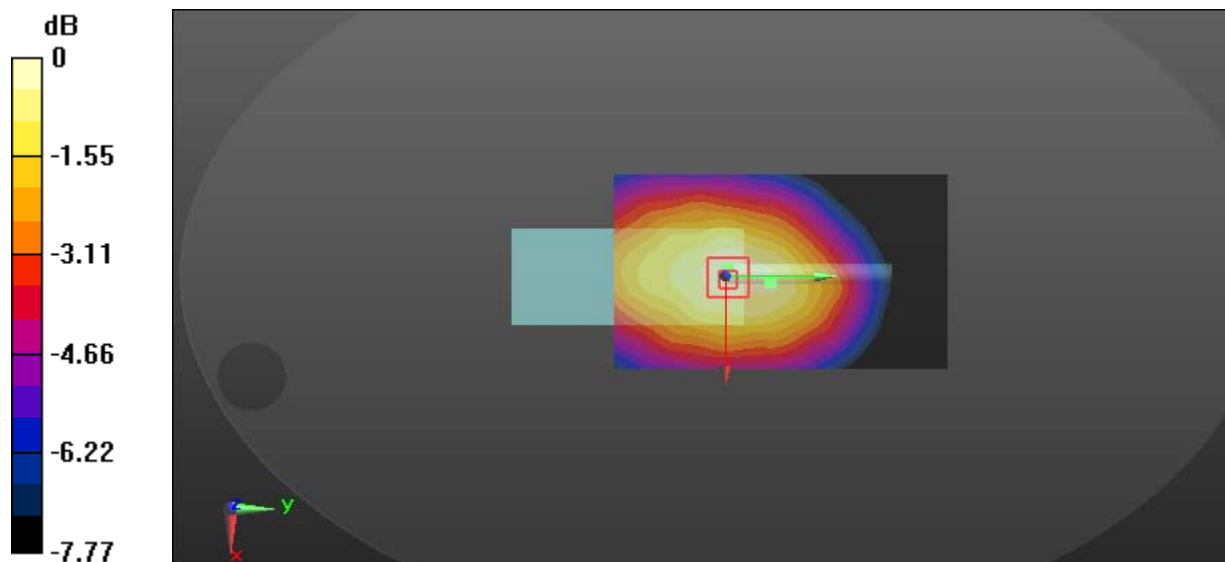
**Zoom Scan (6x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 62.89 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 4.80 W/kg

**SAR(1 g) = 3.3 W/kg; SAR(10 g) = 2.46 W/kg**

Maximum value of SAR (measured) = 4.25 W/kg



0 dB = 4.25 W/kg = 6.28 dBW/kg

**Test Plot 12#: PTT\_FM 12.5kHz\_Body Back\_400.0125 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

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

Medium parameters used:  $f = 400.012$  MHz;  $\sigma = 0.914$  S/m;  $\epsilon_r = 57.741$ ;  $\rho = 1000$  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) = 7.83 W/kg

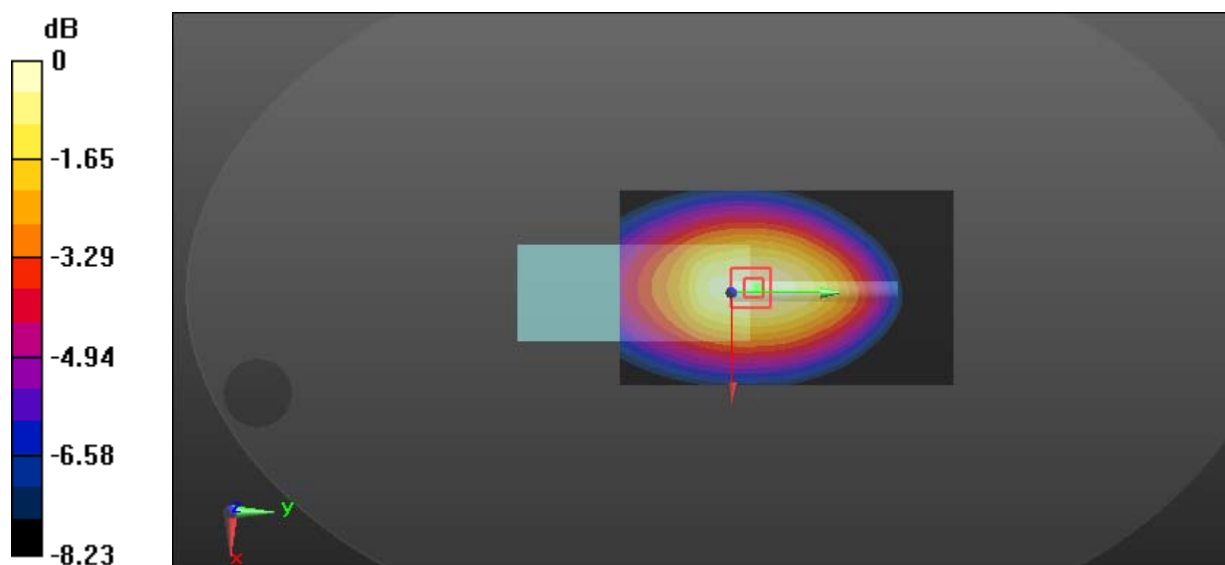
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 80.90 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 9.08 W/kg

**SAR(1 g) = 6.27 W/kg; SAR(10 g) = 4.62 W/kg**

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



0 dB = 7.99 W/kg = 9.03 dBW/kg

**Test Plot 13#: PTT\_FM 12.5kHz\_Body Back\_417 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

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

Medium parameters used:  $f = 417$  MHz;  $\sigma = 0.915$  S/m;  $\epsilon_r = 57.641$ ;  $\rho = 1000$  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) = 14.0 W/kg

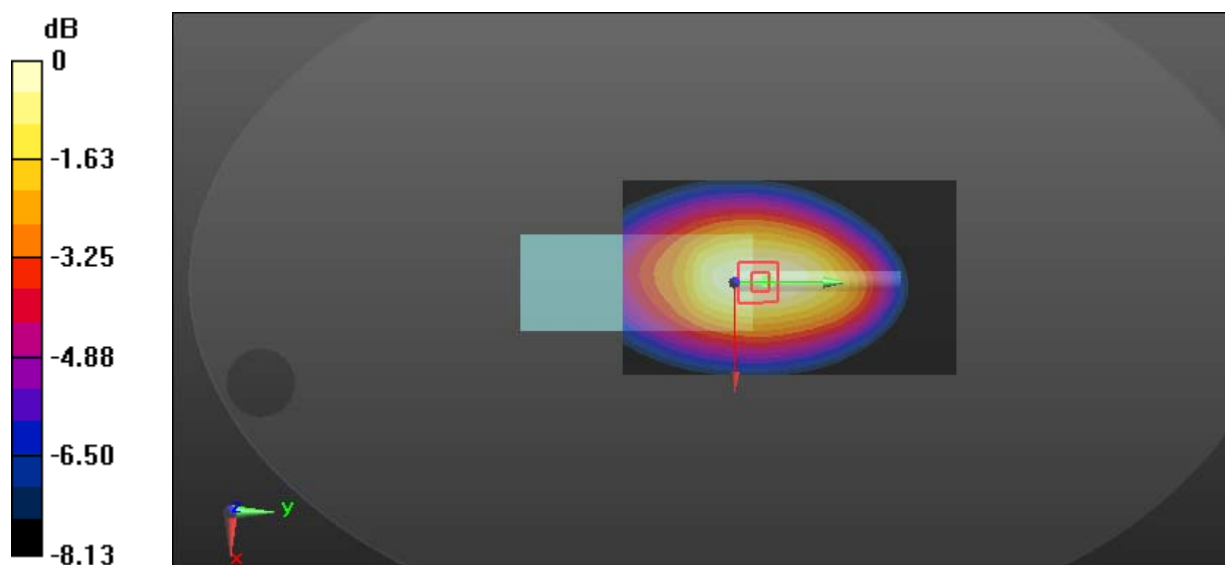
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 109.7 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 16.2 W/kg

**SAR(1 g) = 11.2 W/kg; SAR(10 g) = 8.18 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: PD682i Um; Serial: 17120701120**

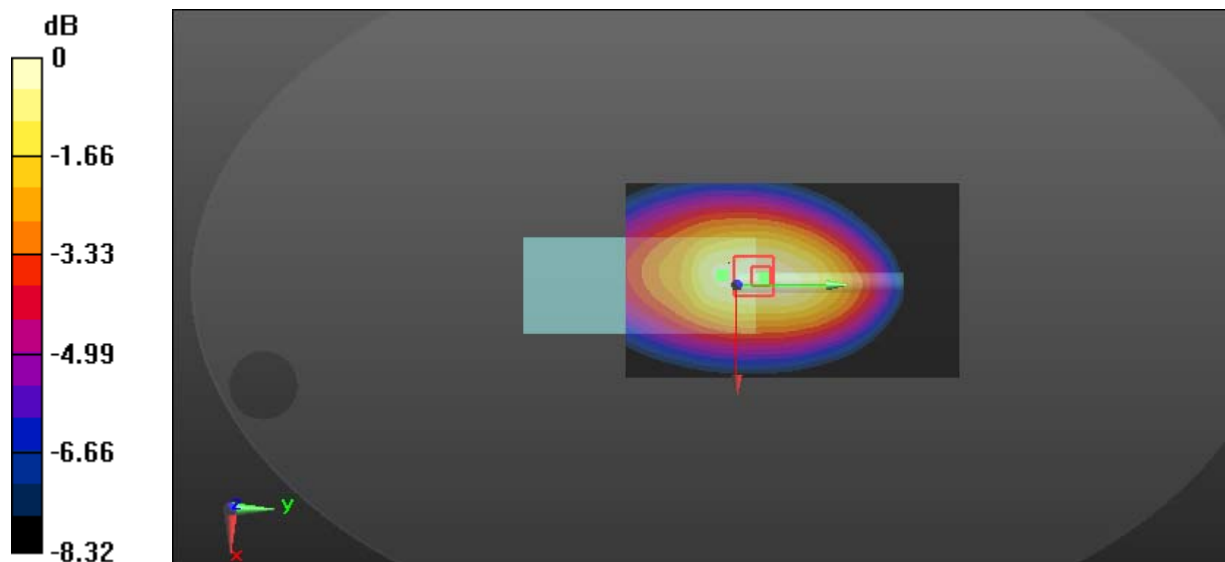
Communication System: FM; Frequency: 435 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 435 \text{ MHz}$ ;  $\sigma = 0.921 \text{ S/m}$ ;  $\epsilon_r = 57.54$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $7.95 \text{ W/kg}$ **Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $81.03 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$ Peak SAR (extrapolated) =  $9.33 \text{ W/kg}$ **SAR(1 g) =  $6.52 \text{ W/kg}$ ; SAR(10 g) =  $4.79 \text{ W/kg}$** Maximum value of SAR (measured) =  $8.26 \text{ W/kg}$  $0 \text{ dB} = 8.26 \text{ W/kg} = 9.17 \text{ dBW/kg}$

**Test Plot 15#: PTT\_FM 12.5kHz\_Body Back\_452 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

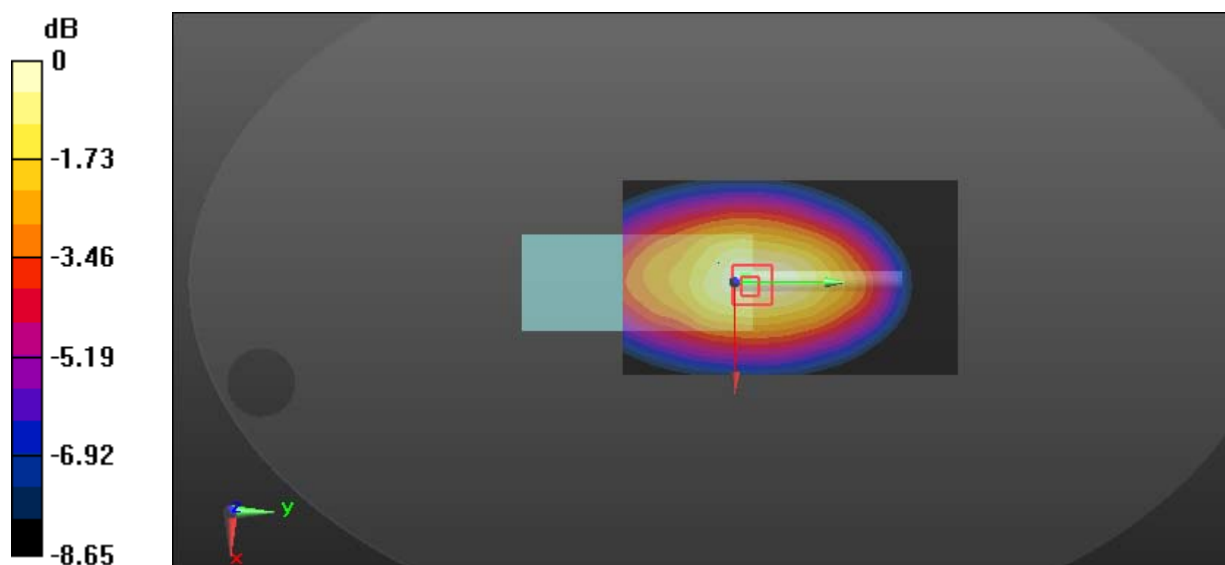
Communication System: FM; Frequency: 452 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 452 \text{ MHz}$ ;  $\sigma = 0.925 \text{ S/m}$ ;  $\epsilon_r = 57.389$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $9.10 \text{ W/kg}$ **Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $85.07 \text{ V/m}$ ; Power Drift =  $0.06 \text{ dB}$ Peak SAR (extrapolated) =  $11.1 \text{ W/kg}$ **SAR(1 g) =  $7.29 \text{ W/kg}$ ; SAR(10 g) =  $5.29 \text{ W/kg}$** Maximum value of SAR (measured) =  $9.41 \text{ W/kg}$  $0 \text{ dB} = 9.41 \text{ W/kg} = 9.74 \text{ dBW/kg}$

**Test Plot 16#: PTT\_FM 12.5kHz\_Body Back\_469.9875 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

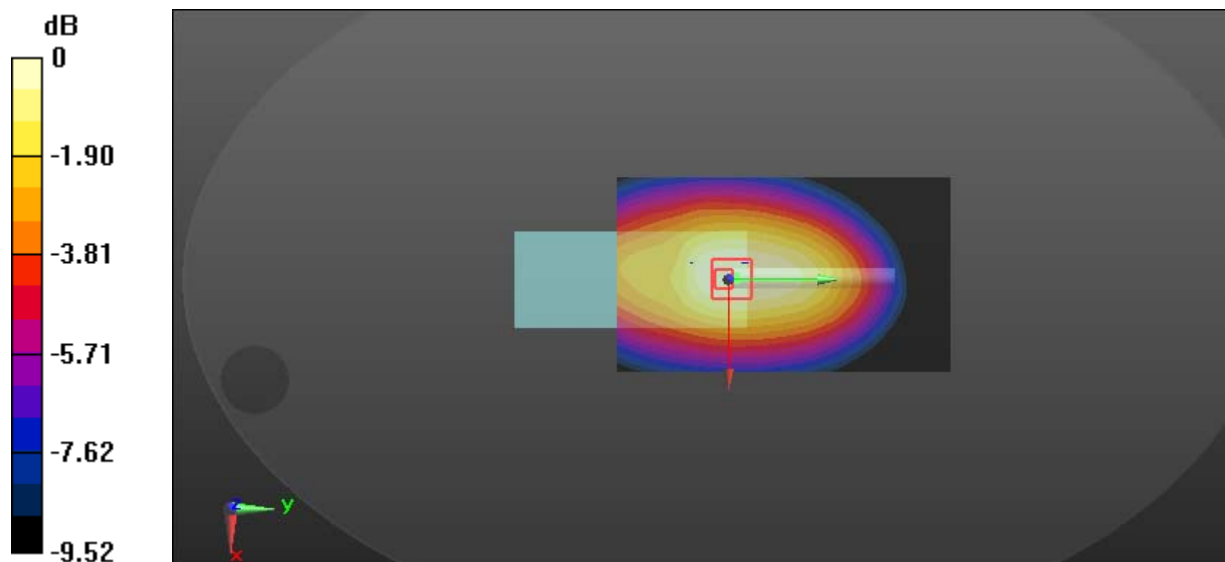
Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 469.988 \text{ MHz}$ ;  $\sigma = 0.931 \text{ S/m}$ ;  $\epsilon_r = 57.487$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $9.03 \text{ W/kg}$ **Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $88.79 \text{ V/m}$ ; Power Drift =  $-0.05 \text{ dB}$ Peak SAR (extrapolated) =  $10.4 \text{ W/kg}$ **SAR(1 g) =  $6.76 \text{ W/kg}$ ; SAR(10 g) =  $4.93 \text{ W/kg}$** Maximum value of SAR (measured) =  $8.73 \text{ W/kg}$ 0 dB =  $8.73 \text{ W/kg}$  =  $9.41 \text{ dBW/kg}$



**Test Plot 17#: PTT\_FM 25kHz\_Body Back\_400.0125 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

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

Medium parameters used:  $f = 400.012$  MHz;  $\sigma = 0.914$  S/m;  $\epsilon_r = 57.741$ ;  $\rho = 1000$  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) = 6.81 W/kg

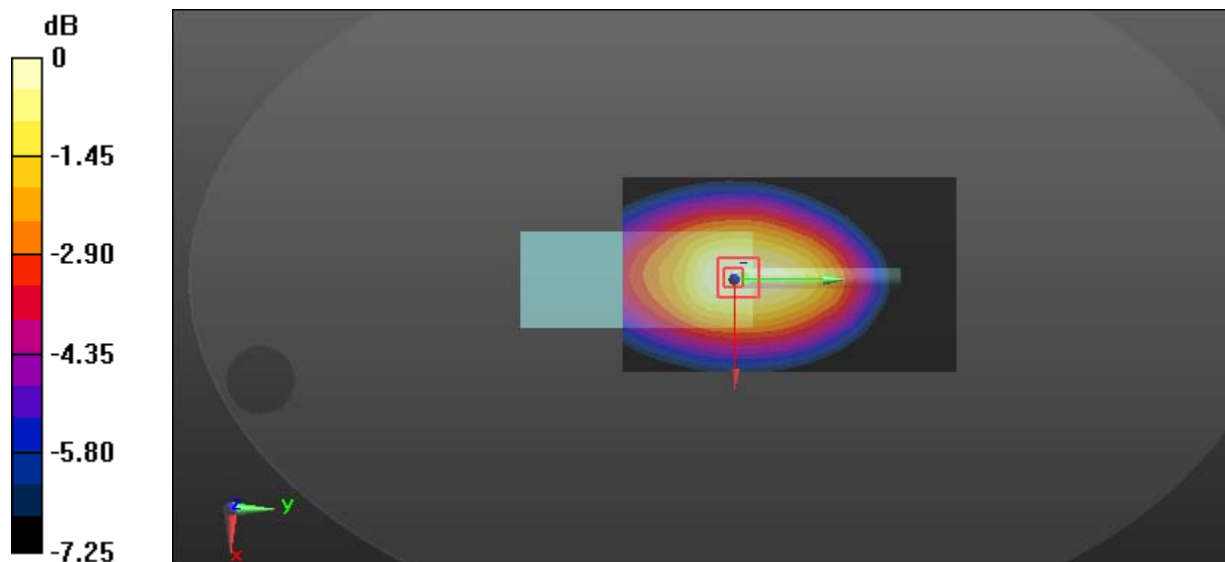
**Zoom Scan (5x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 79.10 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 7.95 W/kg

**SAR(1 g) = 5.51 W/kg; SAR(10 g) = 4.1 W/kg**

Maximum value of SAR (measured) = 7.01 W/kg



0 dB = 7.01 W/kg = 8.46 dBW/kg

**Test Plot 18#: PTT\_FM 25kHz\_Body Back\_417 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

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

Medium parameters used:  $f = 417$  MHz;  $\sigma = 0.915$  S/m;  $\epsilon_r = 57.641$ ;  $\rho = 1000$  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) = 13.1 W/kg

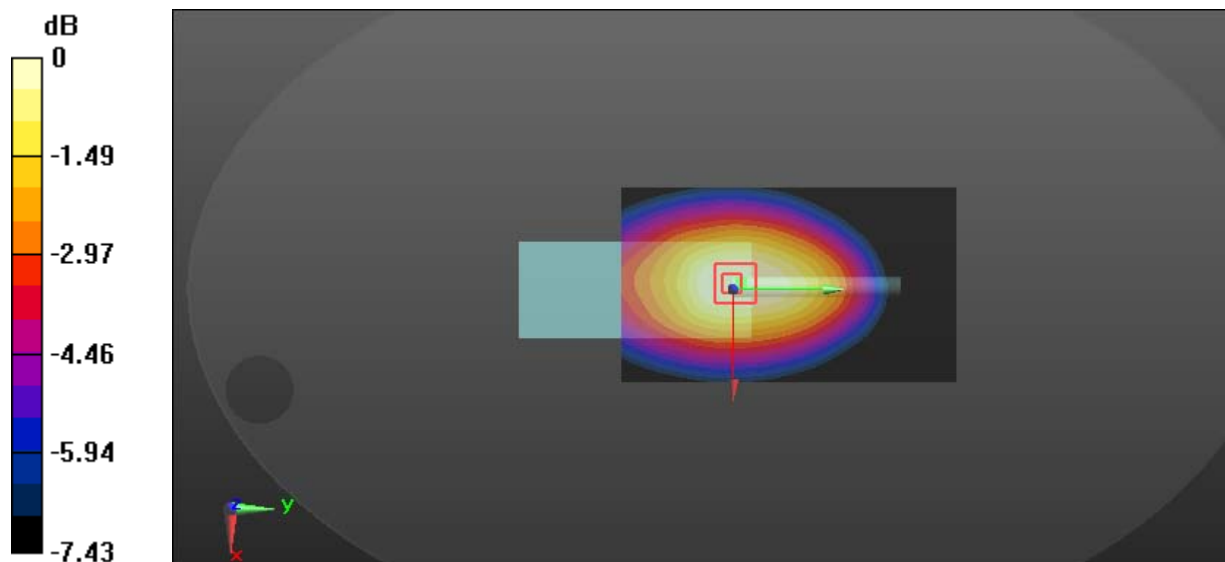
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 107.6 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 14.7 W/kg

**SAR(1 g) = 10.2 W/kg; SAR(10 g) = 7.56 W/kg**

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



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

**Test Plot 19#: PTT\_FM 25kHz\_Body Back\_435 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

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

Medium parameters used:  $f = 435$  MHz;  $\sigma = 0.921$  S/m;  $\epsilon_r = 57.54$ ;  $\rho = 1000$  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) = 10.6 W/kg

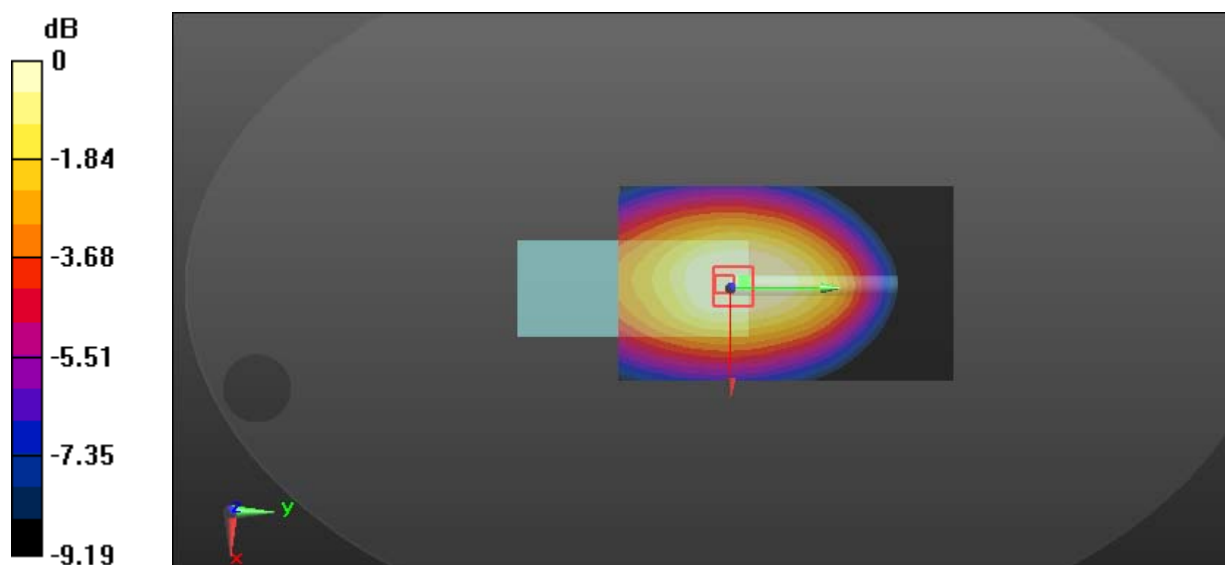
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 96.87 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 11.0 W/kg

**SAR(1 g) = 7.64 W/kg; SAR(10 g) = 5.6 W/kg**

Maximum value of SAR (measured) = 9.71 W/kg



0 dB = 9.71 W/kg = 9.87 dBW/kg

**Test Plot 20#: PTT\_FM 25kHz\_Body Back\_452 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

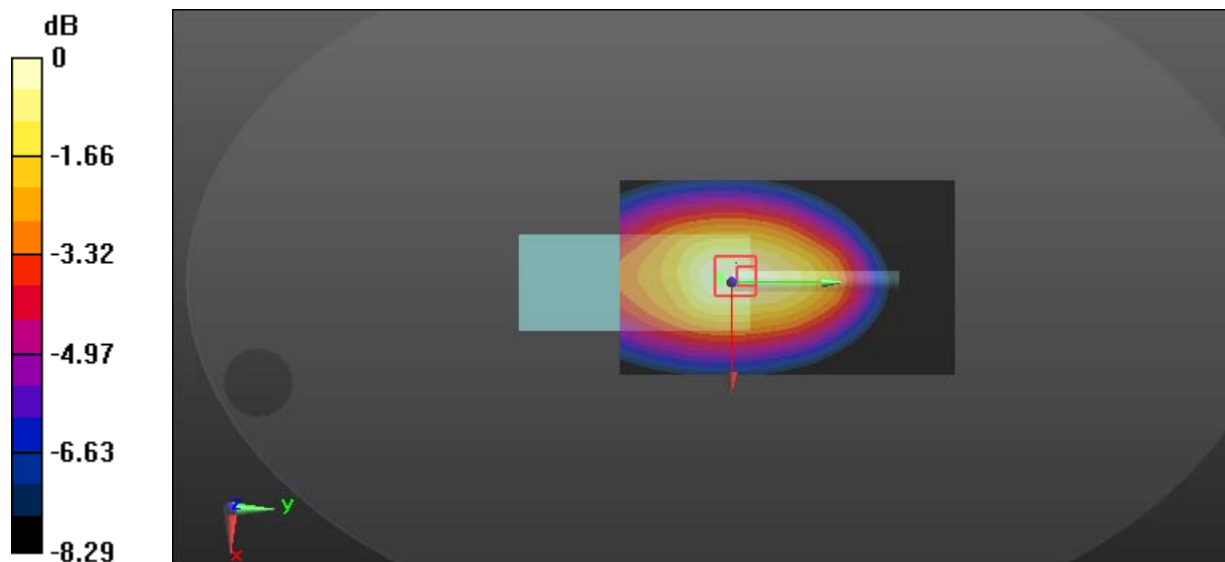
Communication System: FM; Frequency: 452 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 452 \text{ MHz}$ ;  $\sigma = 0.925 \text{ S/m}$ ;  $\epsilon_r = 57.389$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $8.26 \text{ W/kg}$ **Zoom Scan (5x7x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $84.22 \text{ V/m}$ ; Power Drift =  $0.10 \text{ dB}$ Peak SAR (extrapolated) =  $9.82 \text{ W/kg}$ **SAR(1 g) =  $6.84 \text{ W/kg}$ ; SAR(10 g) =  $5.03 \text{ W/kg}$** Maximum value of SAR (measured) =  $8.72 \text{ W/kg}$  $0 \text{ dB} = 8.72 \text{ W/kg} = 9.41 \text{ dBW/kg}$

**Test Plot 21#: PTT\_FM 25kHz\_Body Back\_469.9875 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

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

Medium parameters used:  $f = 469.988$  MHz;  $\sigma = 0.931$  S/m;  $\epsilon_r = 57.487$ ;  $\rho = 1000$  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) = 8.24 W/kg

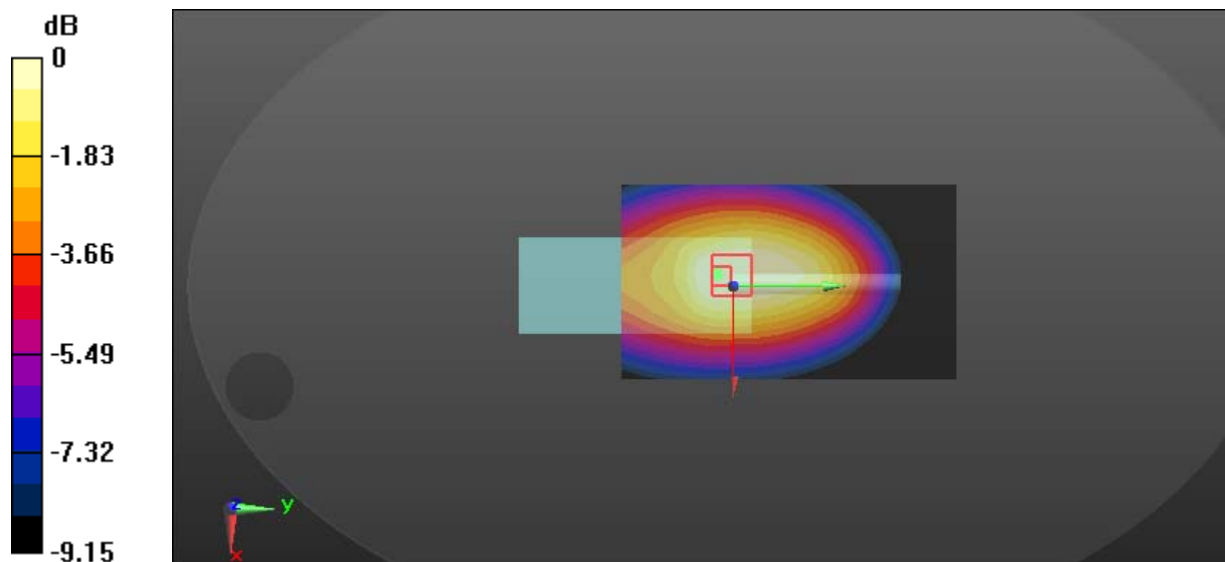
**Zoom Scan (6x7x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.70 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 9.12 W/kg

**SAR(1 g) = 6.2 W/kg; SAR(10 g) = 4.53 W/kg**

Maximum value of SAR (measured) = 8.02 W/kg



0 dB = 8.02 W/kg = 9.04 dBW/kg

**Test Plot 22#: PTT\_4FSK 12.5kHz\_Body Back\_435 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: 4FSK; Frequency: 435 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 435$  MHz;  $\sigma = 0.921$  S/m;  $\epsilon_r = 57.54$ ;  $\rho = 1000$  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) = 6.66 W/kg

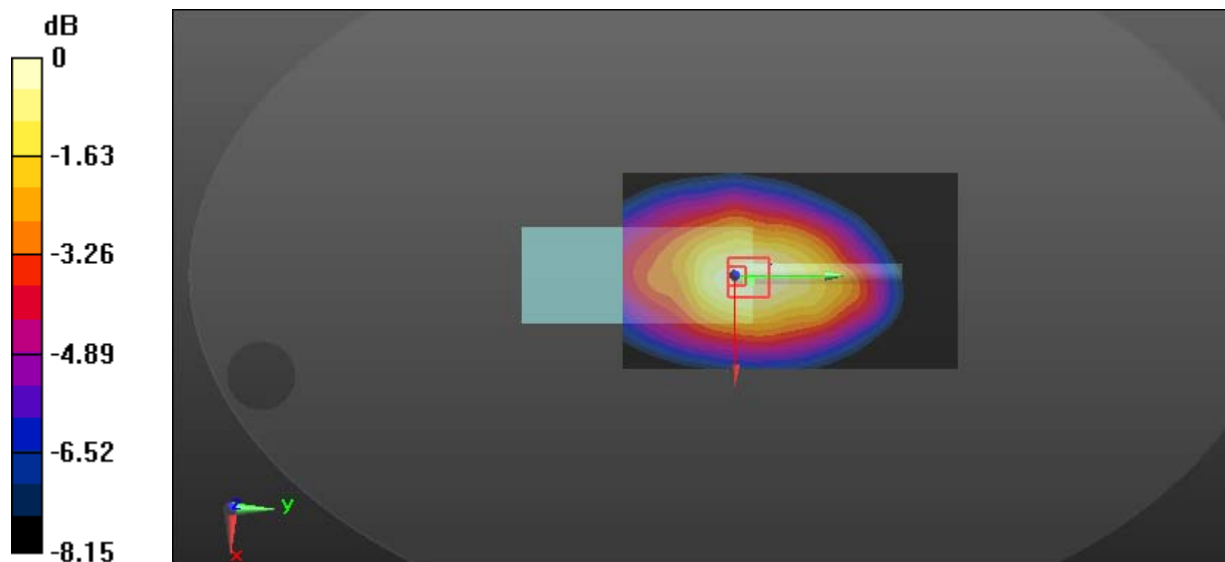
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 74.72 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 7.95 W/kg

**SAR(1 g) = 4.9 W/kg; SAR(10 g) = 3.59 W/kg**

Maximum value of SAR (measured) = 6.70 W/kg



0 dB = 6.70 W/kg = 8.26 dBW/kg

**Test Plot 23#: PTT\_FM 12.5kHz\_Face Up\_488.5 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: FM; Frequency: 488.5 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 488.5$  MHz;  $\sigma = 0.863$  S/m;  $\epsilon_r = 44.067$ ;  $\rho = 1000$  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) = 8.21 W/kg

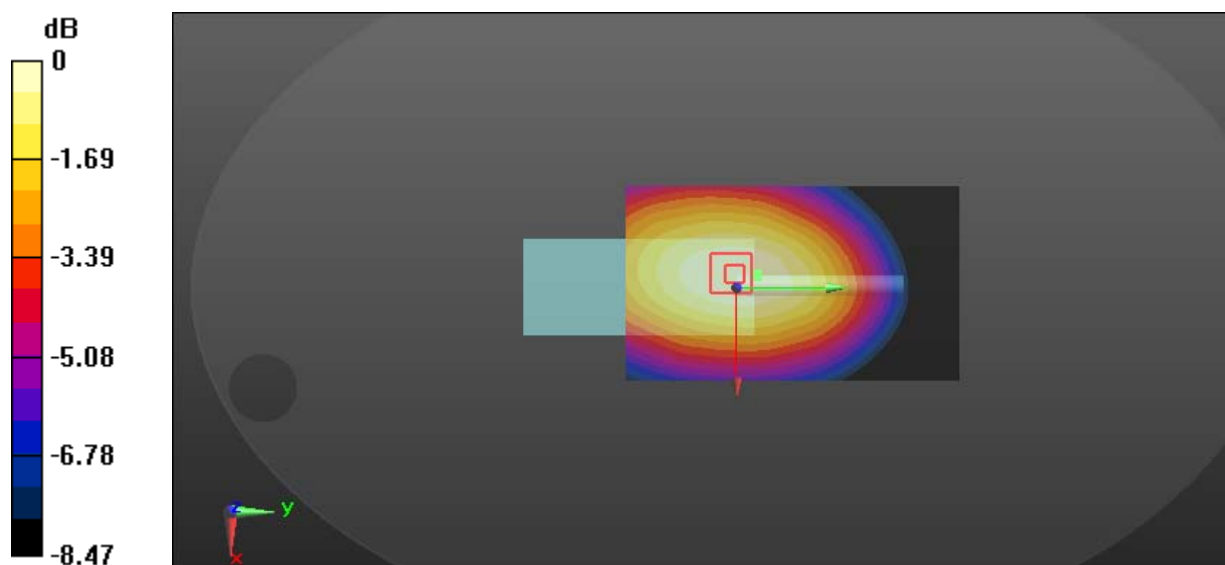
**Zoom Scan (6x7x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 88.28 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 9.20 W/kg

**SAR(1 g) = 6.49 W/kg; SAR(10 g) = 4.91 W/kg**

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



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

**Test Plot 24#: PTT\_FM 25kHz\_Face Up\_488.5 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: FM; Frequency: 488.5 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 488.5$  MHz;  $\sigma = 0.863$  S/m;  $\epsilon_r = 44.067$ ;  $\rho = 1000$  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) = 7.33 W/kg

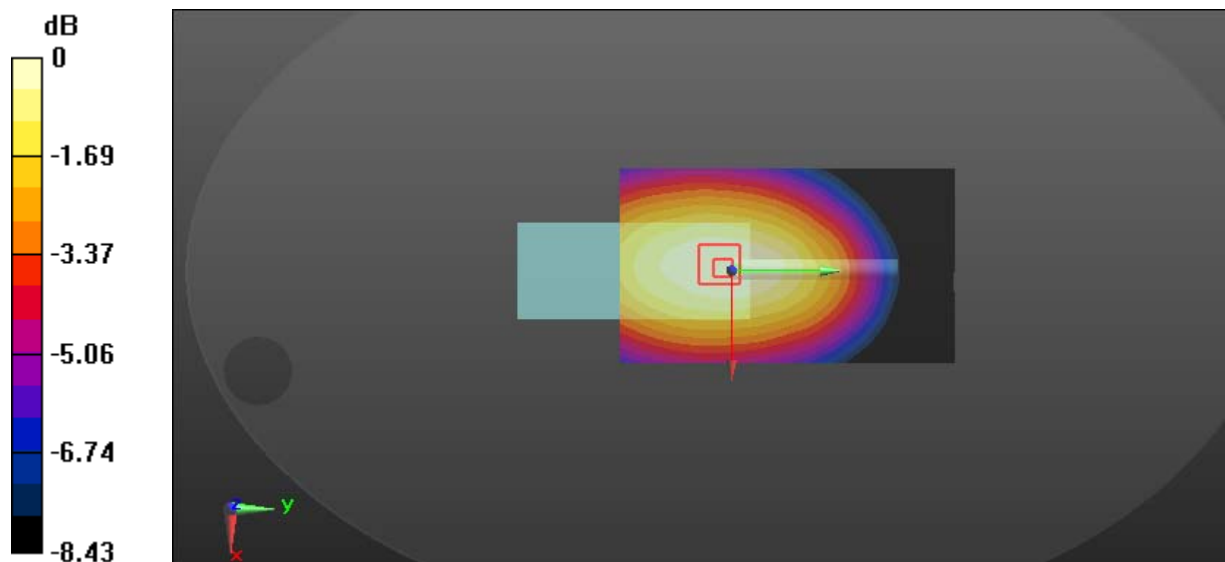
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 81.89 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 8.21 W/kg

**SAR(1 g) = 5.79 W/kg; SAR(10 g) = 4.38 W/kg**

Maximum value of SAR (measured) = 7.33 W/kg



0 dB = 7.33 W/kg = 8.65 dBW/kg



**Test Plot 25#: PTT\_4FSK 12.5kHz\_Face Up\_488.5 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: 4FSK; Frequency: 488.5 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 488.5$  MHz;  $\sigma = 0.863$  S/m;  $\epsilon_r = 44.067$ ;  $\rho = 1000$  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) = 3.94 W/kg

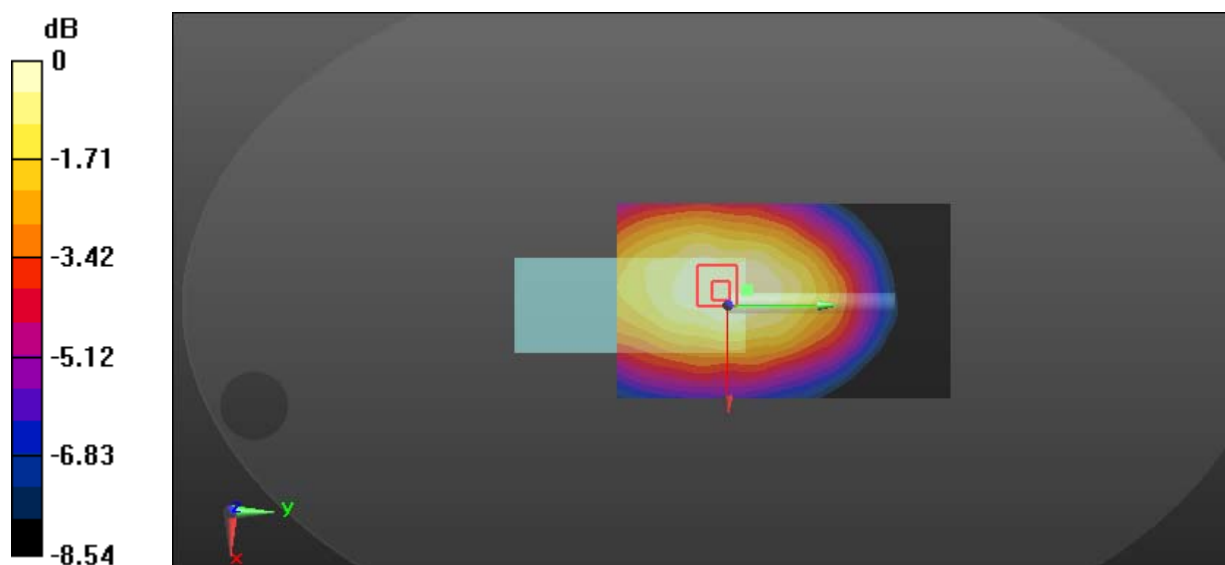
**Zoom Scan (6x7x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 60.62 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 4.40 W/kg

**SAR(1 g) = 3.1 W/kg; SAR(10 g) = 2.33 W/kg**

Maximum value of SAR (measured) = 3.84 W/kg



0 dB = 3.84 W/kg = 5.84 dBW/kg

**Test Plot 26#: PTT\_FM 12.5kHz\_Body Back\_450.0125 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: FM; Frequency: 450.012 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 450.012$  MHz;  $\sigma = 0.922$  S/m;  $\epsilon_r = 57.641$ ;  $\rho = 1000$  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) = 13.3 W/kg

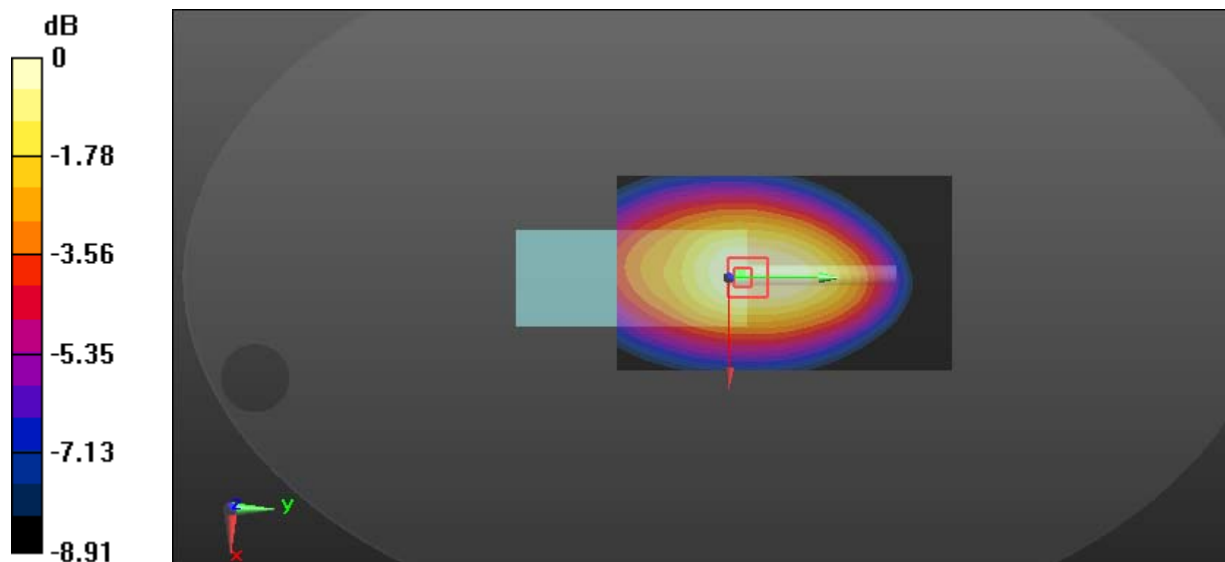
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 107.7 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 14.6 W/kg

**SAR(1 g) = 10 W/kg; SAR(10 g) = 7.38 W/kg**

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



0 dB = 12.7 W/kg = 11.04 dBW/kg

**Test Plot 27#: PTT\_FM 12.5kHz\_Body Back\_469 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: FM; Frequency: 469 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 469$  MHz;  $\sigma = 0.929$  S/m;  $\epsilon_r = 57.33$ ;  $\rho = 1000$  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) = 13.5 W/kg

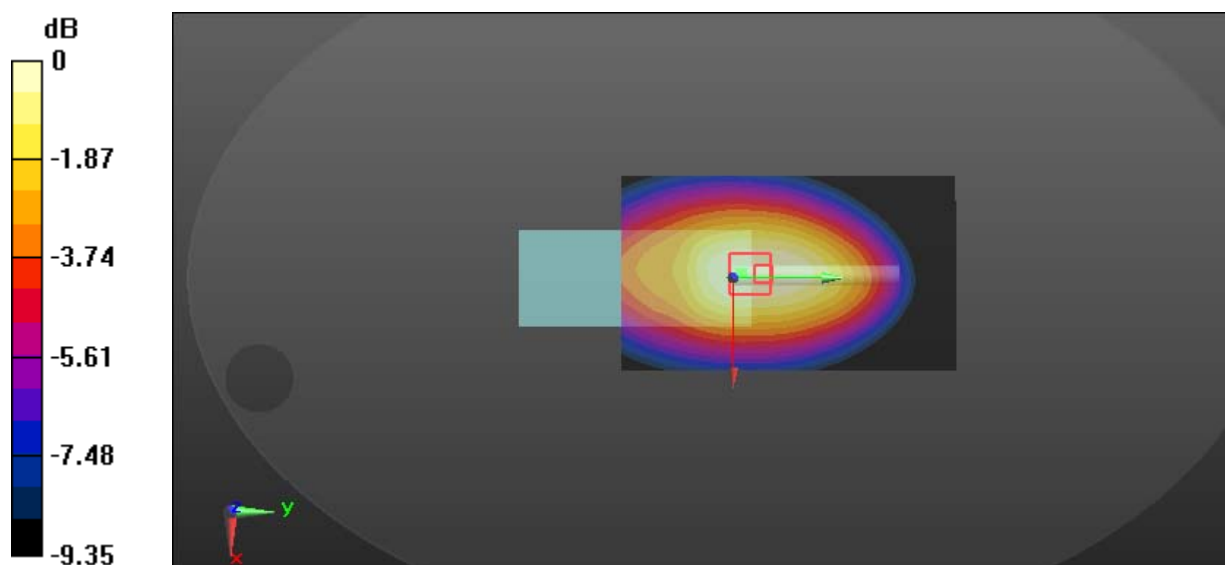
**Zoom Scan (6x7x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 108.6 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 14.8 W/kg

**SAR(1 g) = 10.1 W/kg; SAR(10 g) = 7.46 W/kg**

Maximum value of SAR (measured) = 13.1 W/kg



0 dB = 13.1 W/kg = 11.17 dBW/kg

**Test Plot 28#: PTT\_FM 12.5kHz\_Body Back\_488.5 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: FM; Frequency: 488.5 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 488.5$  MHz;  $\sigma = 0.934$  S/m;  $\epsilon_r = 57.21$ ;  $\rho = 1000$  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) = 11.0 W/kg

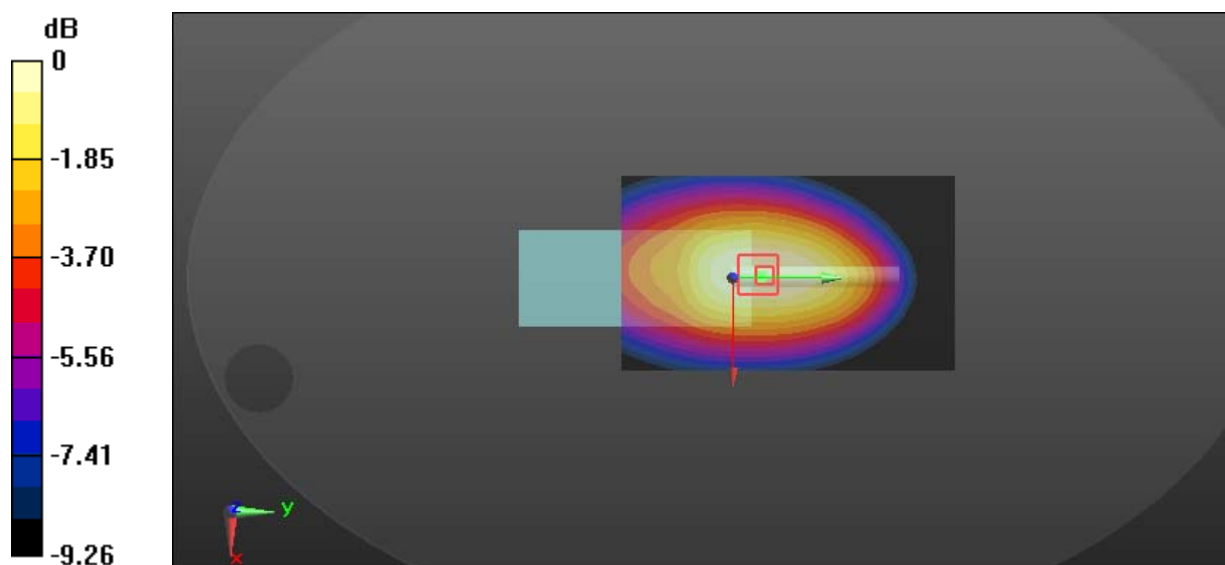
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 96.84 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 12.0 W/kg

**SAR(1 g) = 8.37 W/kg; SAR(10 g) = 6.18 W/kg**

Maximum value of SAR (measured) = 10.6 W/kg



0 dB = 10.6 W/kg = 10.25 dBW/kg

**Test Plot 29#: PTT\_FM 12.5kHz\_Body Back\_507 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

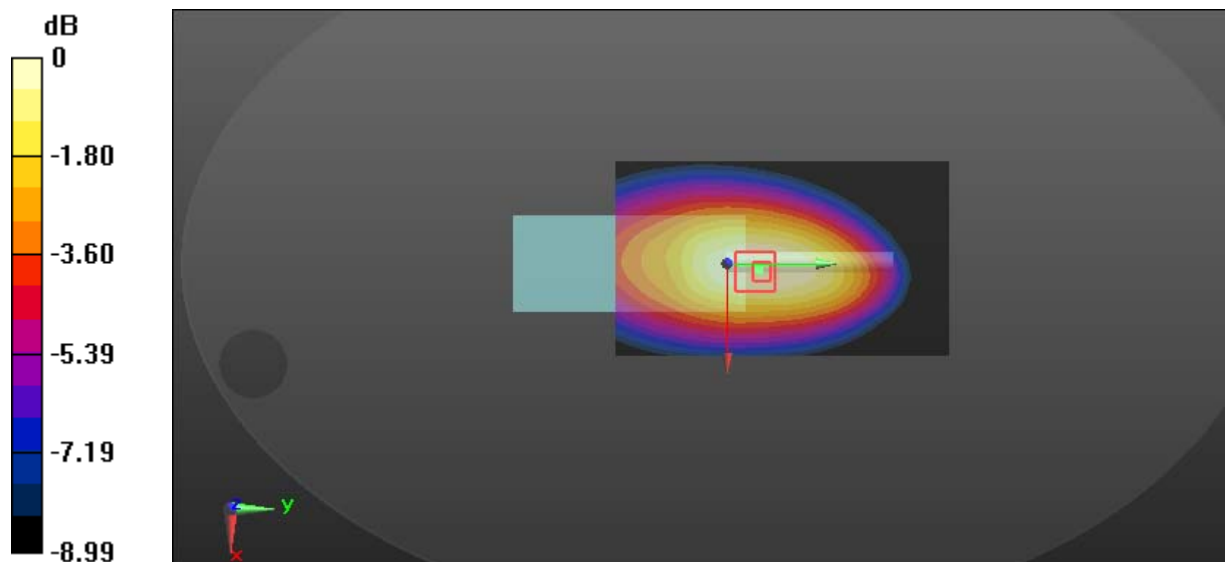
Communication System: FM; Frequency: 507 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 507 \text{ MHz}$ ;  $\sigma = 0.935 \text{ S/m}$ ;  $\epsilon_r = 57.12$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $9.82 \text{ W/kg}$ **Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $91.40 \text{ V/m}$ ; Power Drift =  $-0.17 \text{ dB}$ Peak SAR (extrapolated) =  $10.9 \text{ W/kg}$ **SAR(1 g) =  $7.45 \text{ W/kg}$ ; SAR(10 g) =  $5.49 \text{ W/kg}$** Maximum value of SAR (measured) =  $9.48 \text{ W/kg}$ 0 dB =  $9.48 \text{ W/kg}$  =  $9.77 \text{ dBW/kg}$

**Test Plot 30#: PTT\_FM 12.5kHz\_Body Back\_511.9875 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

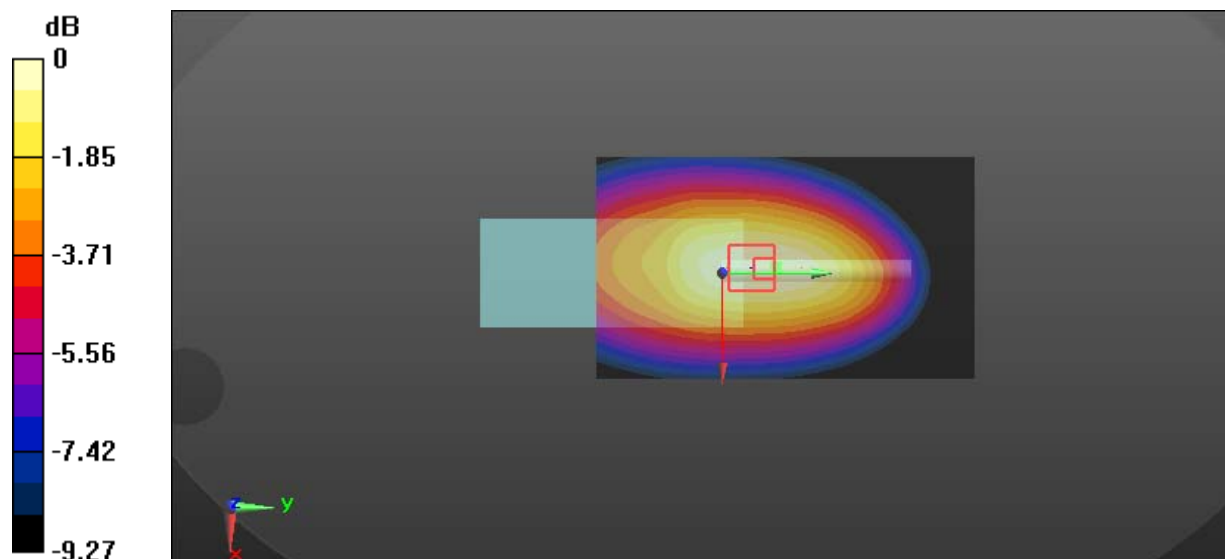
Communication System: FM; Frequency: 511.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 511.988 \text{ MHz}$ ;  $\sigma = 0.937 \text{ S/m}$ ;  $\epsilon_r = 56.899$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 (71x121x1):** 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 =  $82.94 \text{ V/m}$ ; Power Drift =  $0.06 \text{ dB}$ Peak SAR (extrapolated) =  $9.63 \text{ W/kg}$ **SAR(1 g) =  $6.56 \text{ W/kg}$ ; SAR(10 g) =  $4.86 \text{ W/kg}$** Maximum value of SAR (measured) =  $8.45 \text{ W/kg}$  $0 \text{ dB} = 8.45 \text{ W/kg} = 9.27 \text{ dBW/kg}$

**Test Plot 31#: PTT\_FM 25kHz\_Body Back\_450.0125 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: FM; Frequency: 450.012 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 450.012$  MHz;  $\sigma = 0.922$  S/m;  $\epsilon_r = 57.641$ ;  $\rho = 1000$  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) = 13.5 W/kg

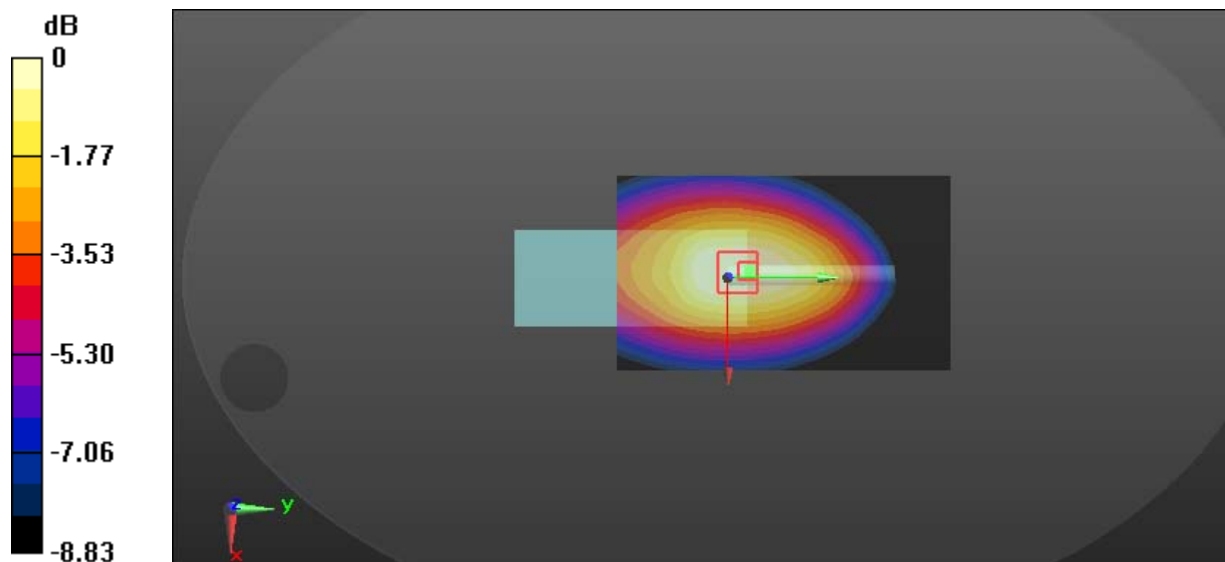
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 109.6 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 14.9 W/kg

**SAR(1 g) = 10.3 W/kg; SAR(10 g) = 7.55 W/kg**

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



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

**Test Plot 32#: PTT\_FM 25kHz\_Body Back\_469 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: FM; Frequency: 469 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 469$  MHz;  $\sigma = 0.929$  S/m;  $\epsilon_r = 57.33$ ;  $\rho = 1000$  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) = 12.8 W/kg

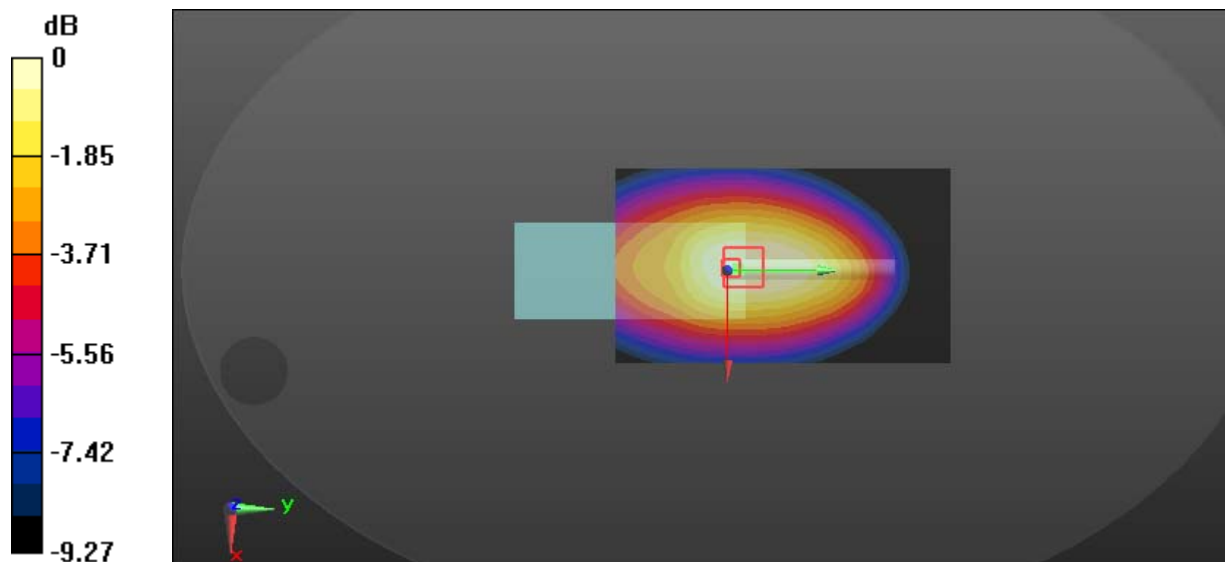
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 106.5 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 13.9 W/kg

**SAR(1 g) = 9.65 W/kg; SAR(10 g) = 7.09 W/kg**

Maximum value of SAR (measured) = 12.3 W/kg



0 dB = 12.3 W/kg = 10.90 dBW/kg



**Test Plot 33#: PTT\_FM 25kHz\_Body Back\_488.5 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: FM; Frequency: 488.5 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 488.5$  MHz;  $\sigma = 0.934$  S/m;  $\epsilon_r = 57.21$ ;  $\rho = 1000$  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) = 12.7 W/kg

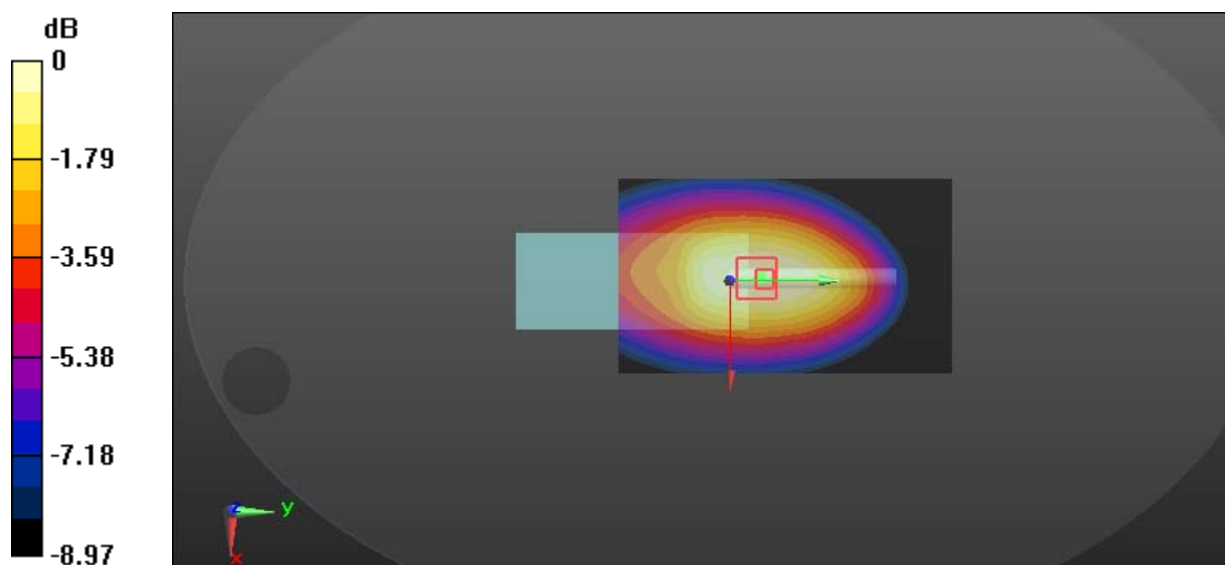
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 104.6 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 13.9 W/kg

**SAR(1 g) = 9.62 W/kg; SAR(10 g) = 7.05 W/kg**

Maximum value of SAR (measured) = 12.2 W/kg



0 dB = 12.2 W/kg = 10.86 dBW/kg

**Test Plot 34#: PTT\_FM 25kHz\_Body Back\_507 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

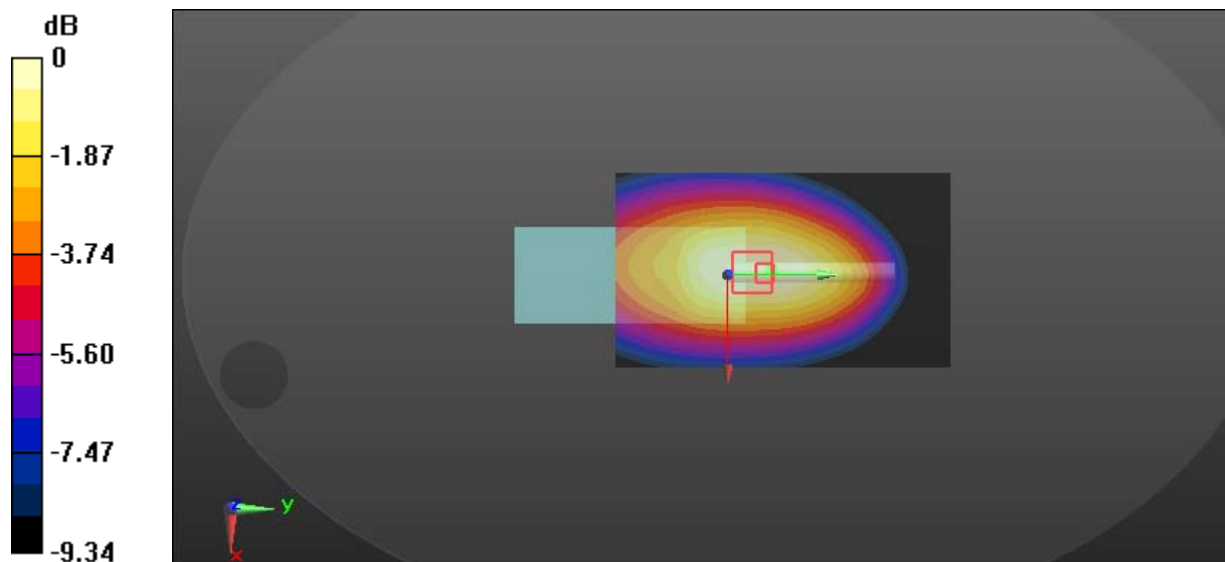
Communication System: FM; Frequency: 507 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 507 \text{ MHz}$ ;  $\sigma = 0.935 \text{ S/m}$ ;  $\epsilon_r = 57.12$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $9.25 \text{ W/kg}$ **Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $89.74 \text{ V/m}$ ; Power Drift =  $-0.15 \text{ dB}$ Peak SAR (extrapolated) =  $10.3 \text{ W/kg}$ **SAR(1 g) =  $7.07 \text{ W/kg}$ ; SAR(10 g) =  $5.23 \text{ W/kg}$** Maximum value of SAR (measured) =  $9.01 \text{ W/kg}$  $0 \text{ dB} = 9.01 \text{ W/kg} = 9.55 \text{ dBW/kg}$

**Test Plot 35#: PTT\_FM 25kHz\_Body Back\_511.9875 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

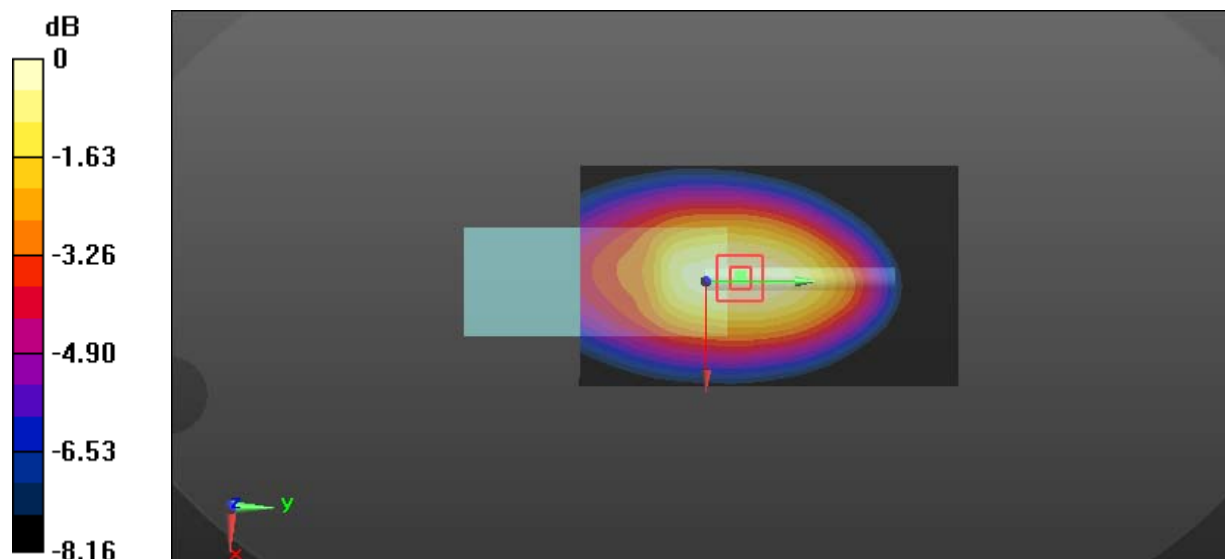
Communication System: FM; Frequency: 511.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 511.988 \text{ MHz}$ ;  $\sigma = 0.928 \text{ S/m}$ ;  $\epsilon_r = 56.985$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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 (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $8.04 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $81.95 \text{ V/m}$ ; Power Drift =  $0.06 \text{ dB}$ Peak SAR (extrapolated) =  $9.53 \text{ W/kg}$ **SAR(1 g) =  $6.62 \text{ W/kg}$ ; SAR(10 g) =  $4.91 \text{ W/kg}$** Maximum value of SAR (measured) =  $8.37 \text{ W/kg}$  $0 \text{ dB} = 8.37 \text{ W/kg} = 9.23 \text{ dBW/kg}$

**Test Plot 36#: PTT\_4FSK 12.5kHz\_Body Back\_450.0125 MHz****DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: 4FSK; Frequency: 450.012 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 450.012$  MHz;  $\sigma = 0.922$  S/m;  $\epsilon_r = 57.641$ ;  $\rho = 1000$  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) = 5.81 W/kg

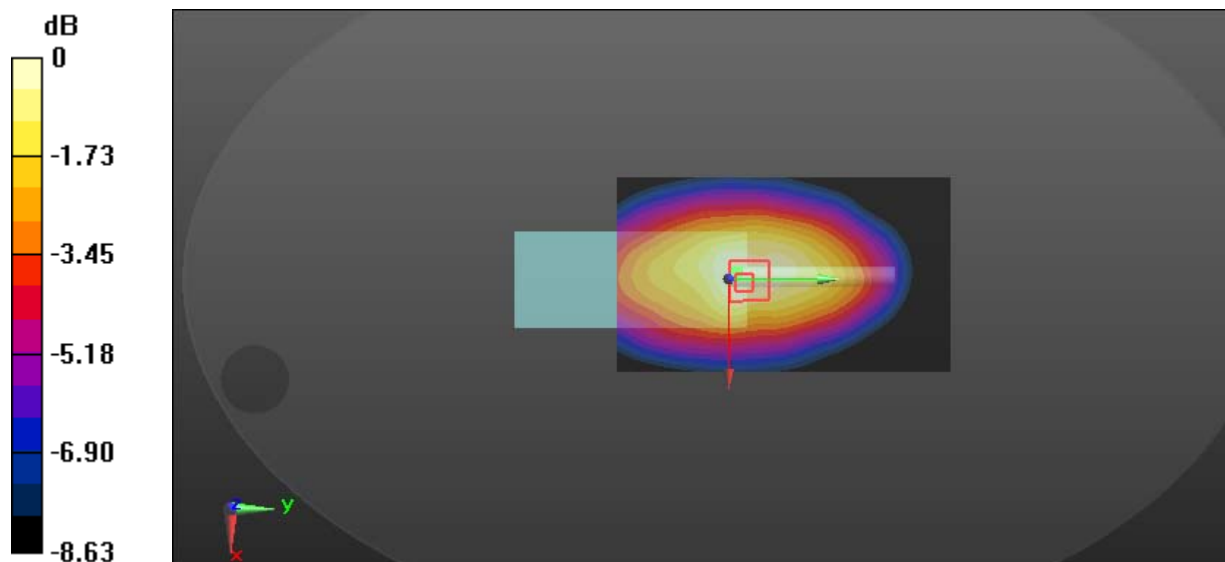
**Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 72.60 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 6.63 W/kg

**SAR(1 g) = 4.28 W/kg; SAR(10 g) = 3.1 W/kg**

Maximum value of SAR (measured) = 5.64 W/kg



0 dB = 5.64 W/kg = 7.51 dBW/kg