

**Test Plot 1#: 4FSK\_12.5kHz\_Face up\_400.0125MHz****DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

Communication System: 4FSK; Frequency: 400.0125 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 400.0125$  MHz;  $\sigma = 0.884$  S/m;  $\epsilon_r = 43.572$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- 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) = 4.47 W/kg

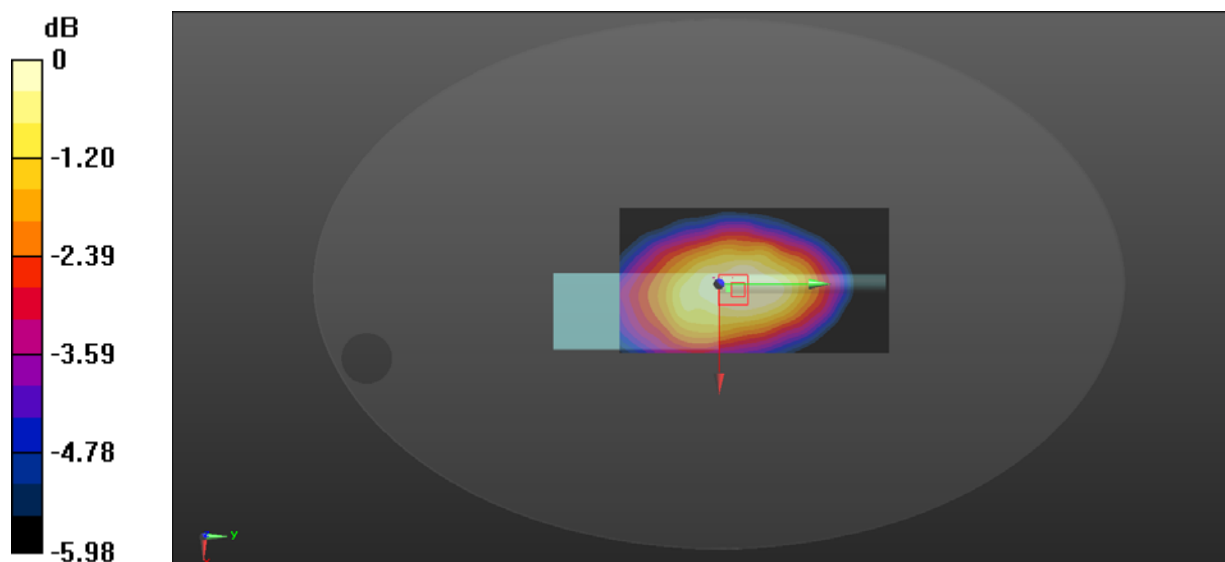
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 65.20 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 4.89 W/kg

**SAR(1 g) = 3.39 W/kg; SAR(10 g) = 2.65 W/kg**

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



0 dB = 4.21 W/kg = 6.24 dBW/kg

**Test Plot 2#:4FSK\_12.5kHz\_Face up\_418MHz****DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

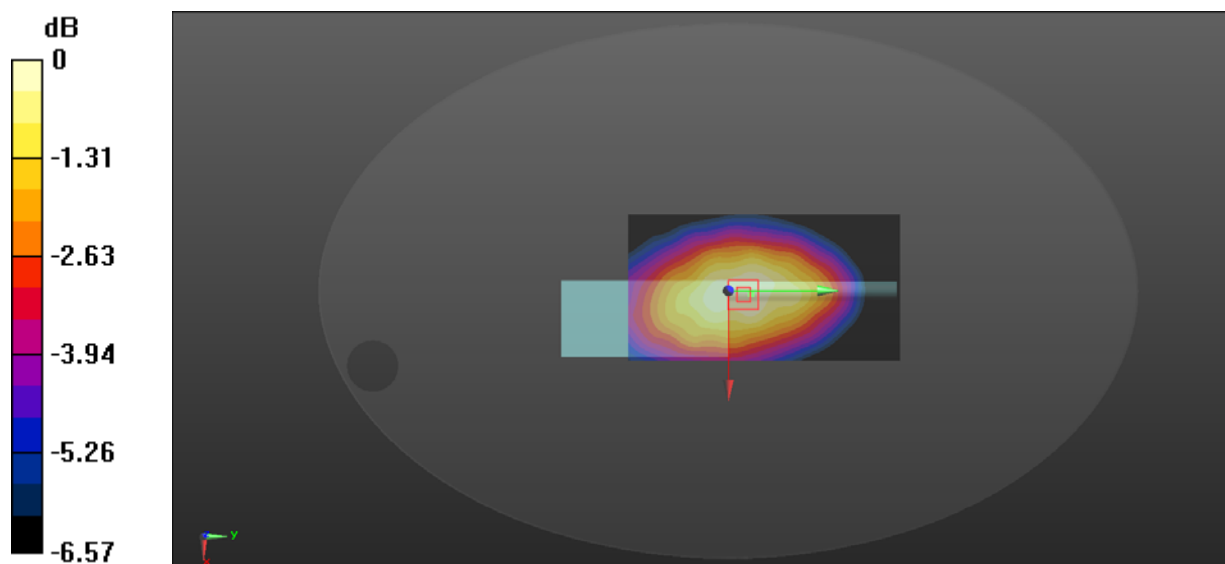
Communication System: 4FSK; Frequency: 418 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 418 \text{ MHz}$ ;  $\sigma = 0.889 \text{ S/m}$ ;  $\epsilon_r = 43.519$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- 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) =  $4.50 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $61.32 \text{ V/m}$ ; Power Drift =  $0.04 \text{ dB}$ Peak SAR (extrapolated) =  $5.20 \text{ W/kg}$ **SAR(1 g) =  $3.42 \text{ W/kg}$ ; SAR(10 g) =  $2.64 \text{ W/kg}$** Maximum value of SAR (measured) =  $4.37 \text{ W/kg}$  $0 \text{ dB} = 4.37 \text{ W/kg} = 6.40 \text{ dBW/kg}$

**Test Plot 3#:4FSK\_12.5kHz\_Face up\_436MHz****DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

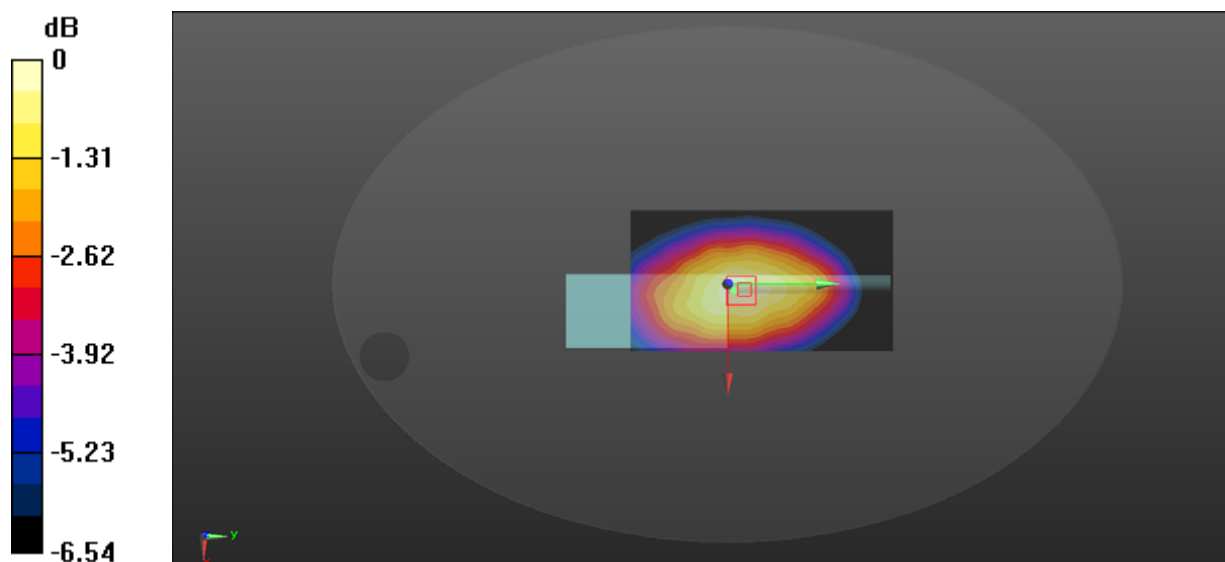
Communication System: 4FSK; Frequency: 436 MHz;Duty Cycle: 1:2

Medium parameters used:  $f = 436 \text{ MHz}$ ;  $\sigma = 0.892 \text{ S/m}$ ;  $\epsilon_r = 43.327$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- 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) =  $2.83 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $48.70 \text{ V/m}$ ; Power Drift =  $0.11 \text{ dB}$ Peak SAR (extrapolated) =  $3.52 \text{ W/kg}$ **SAR(1 g) =  $2.19 \text{ W/kg}$ ; SAR(10 g) =  $1.68 \text{ W/kg}$** Maximum value of SAR (measured) =  $2.90 \text{ W/kg}$  $0 \text{ dB} = 2.90 \text{ W/kg} = 4.62 \text{ dBW/kg}$

**Test Plot 4#:4FSK\_12.5kHz\_Face up\_452MHz****DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

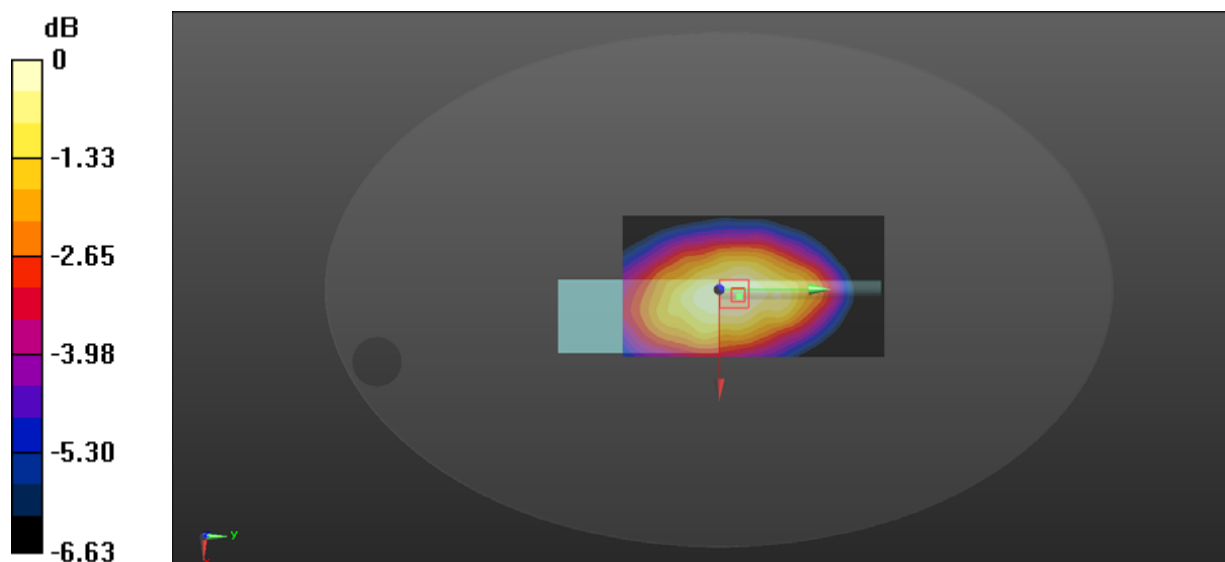
Communication System: 4FSK; Frequency: 452 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 452 \text{ MHz}$ ;  $\sigma = 0.904 \text{ S/m}$ ;  $\epsilon_r = 43.154$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- 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) =  $2.28 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $44.99 \text{ V/m}$ ; Power Drift =  $-0.15 \text{ dB}$ Peak SAR (extrapolated) =  $2.55 \text{ W/kg}$ **SAR(1 g) =  $1.74 \text{ W/kg}$ ; SAR(10 g) =  $1.31 \text{ W/kg}$** Maximum value of SAR (measured) =  $2.20 \text{ W/kg}$  $0 \text{ dB} = 2.20 \text{ W/kg} = 3.42 \text{ dBW/kg}$

**Test Plot 5#:4FSK\_12.5kHz\_Face up\_469.9875MHz****DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

Communication System: 4FSK; Frequency: 469.9875 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 469.9875$  MHz;  $\sigma = 0.911$  S/m;  $\epsilon_r = 43.012$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- 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) = 2.41 W/kg

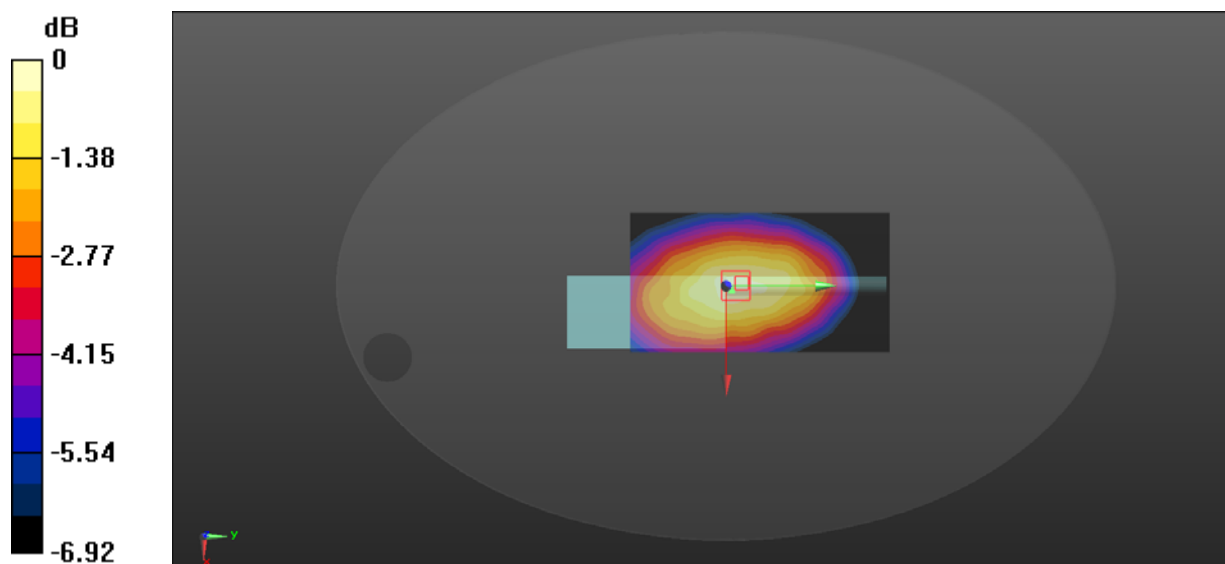
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.80 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.96 W/kg

**SAR(1 g) = 1.87 W/kg; SAR(10 g) = 1.41 W/kg**

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



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

**Test Plot 6#:4FSK\_12.5kHz\_Body Back\_400.0125MHz****DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

Communication System: 4FSK; Frequency: 400.0125 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 400.0125$  MHz;  $\sigma = 0.945$  S/m;  $\epsilon_r = 56.386$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- 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) = 5.87 W/kg

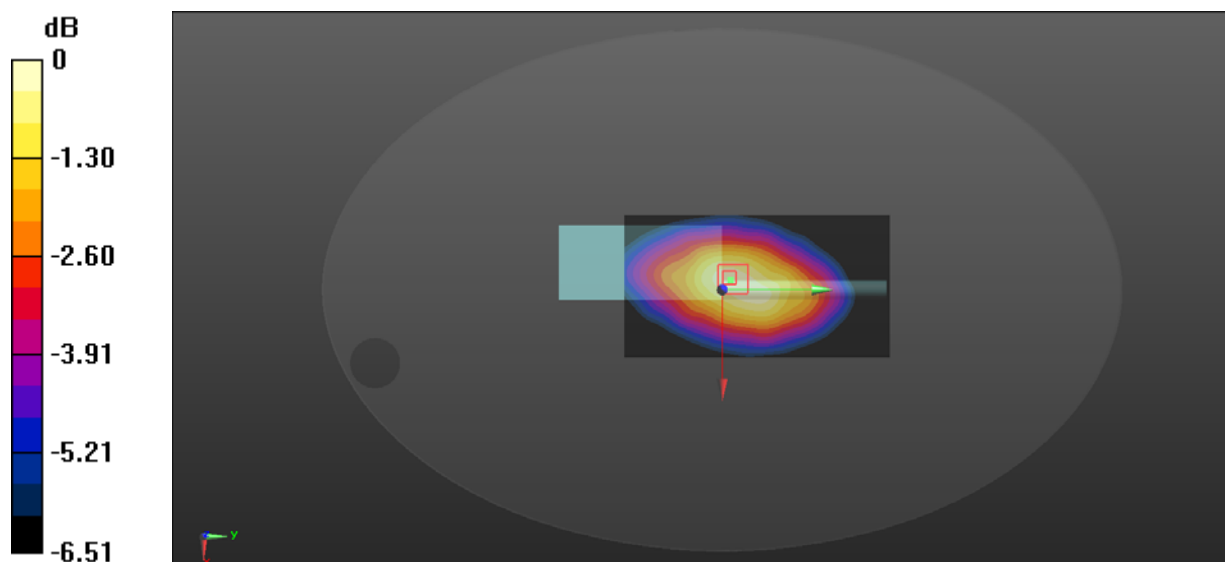
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 71.88 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 7.05 W/kg

**SAR(1 g) = 5.01 W/kg; SAR(10 g) = 4.01 W/kg**

Maximum value of SAR (measured) = 6.00 W/kg



0 dB = 6.00 W/kg = 7.78 dBW/kg

**Test Plot 7#:4FSK\_12.5kHz\_Body Back\_418MHz****DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

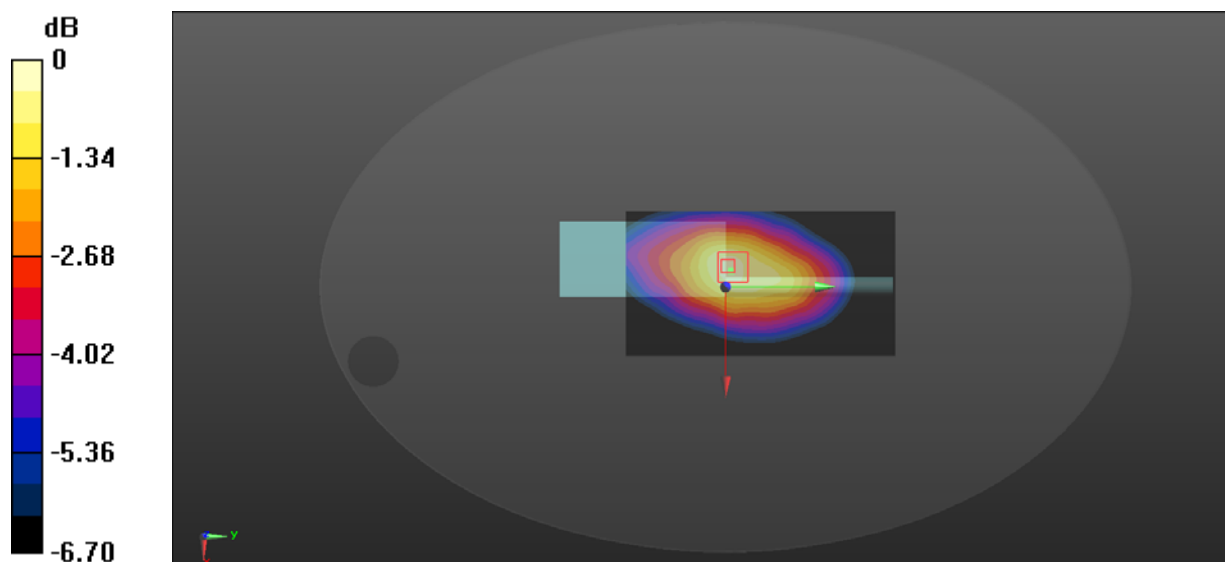
Communication System: 4FSK; Frequency: 418 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 418 \text{ MHz}$ ;  $\sigma = 0.951 \text{ S/m}$ ;  $\epsilon_r = 56.374$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- 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) =  $5.51 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $69.72 \text{ V/m}$ ; Power Drift =  $-0.07 \text{ dB}$ Peak SAR (extrapolated) =  $6.57 \text{ W/kg}$ **SAR(1 g) =  $4.8 \text{ W/kg}$ ; SAR(10 g) =  $3.86 \text{ W/kg}$** Maximum value of SAR (measured) =  $5.73 \text{ W/kg}$  $0 \text{ dB} = 5.73 \text{ W/kg} = 7.58 \text{ dBW/kg}$

**Test Plot 8#:4FSK\_12.5kHz\_Body Back\_436MHz****DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

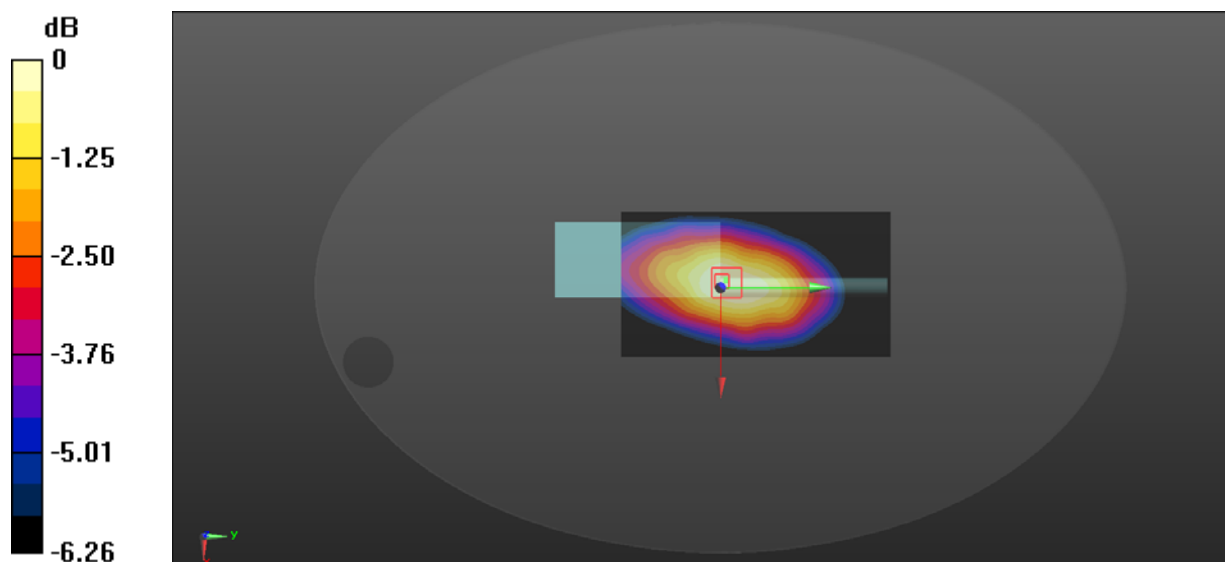
Communication System: 4FSK; Frequency: 436 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 436 \text{ MHz}$ ;  $\sigma = 0.955 \text{ S/m}$ ;  $\epsilon_r = 56.173$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- 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) =  $3.73 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $55.87 \text{ V/m}$ ; Power Drift =  $-0.09 \text{ dB}$ Peak SAR (extrapolated) =  $4.09 \text{ W/kg}$ **SAR(1 g) =  $2.92 \text{ W/kg}$ ; SAR(10 g) =  $2.29 \text{ W/kg}$** Maximum value of SAR (measured) =  $3.56 \text{ W/kg}$  $0 \text{ dB} = 3.56 \text{ W/kg} = 5.51 \text{ dBW/kg}$



**Test Plot 9#:4FSK\_12.5kHz\_Body Back\_452MHz****DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

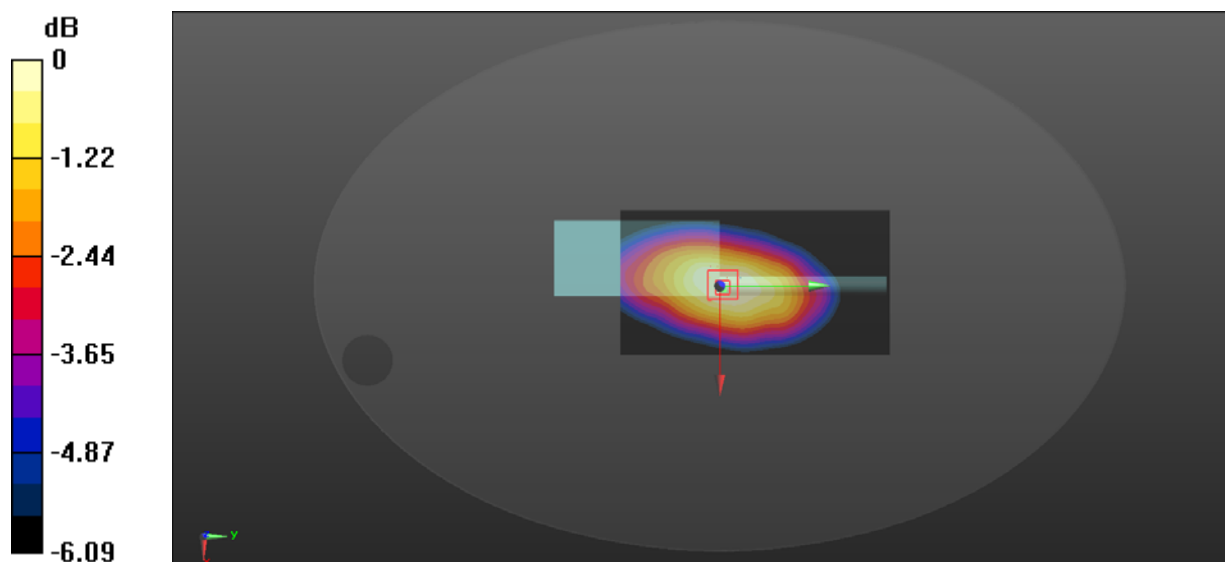
Communication System: 4FSK; Frequency: 452 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 452 \text{ MHz}$ ;  $\sigma = 0.963 \text{ S/m}$ ;  $\epsilon_r = 56.007$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- 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) =  $2.94 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $49.13 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$ Peak SAR (extrapolated) =  $3.23 \text{ W/kg}$ **SAR(1 g) =  $2.29 \text{ W/kg}$ ; SAR(10 g) =  $1.79 \text{ W/kg}$** Maximum value of SAR (measured) =  $2.80 \text{ W/kg}$  $0 \text{ dB} = 2.80 \text{ W/kg} = 4.47 \text{ dBW/kg}$

**Test Plot 10#:4FSK\_12.5kHz\_Body Back\_469.9875MHz****DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

Communication System: 4FSK; Frequency: 469.9875 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 469.9875$  MHz;  $\sigma = 0.974$  S/m;  $\epsilon_r = 56.128$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- 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) = 3.29 W/kg

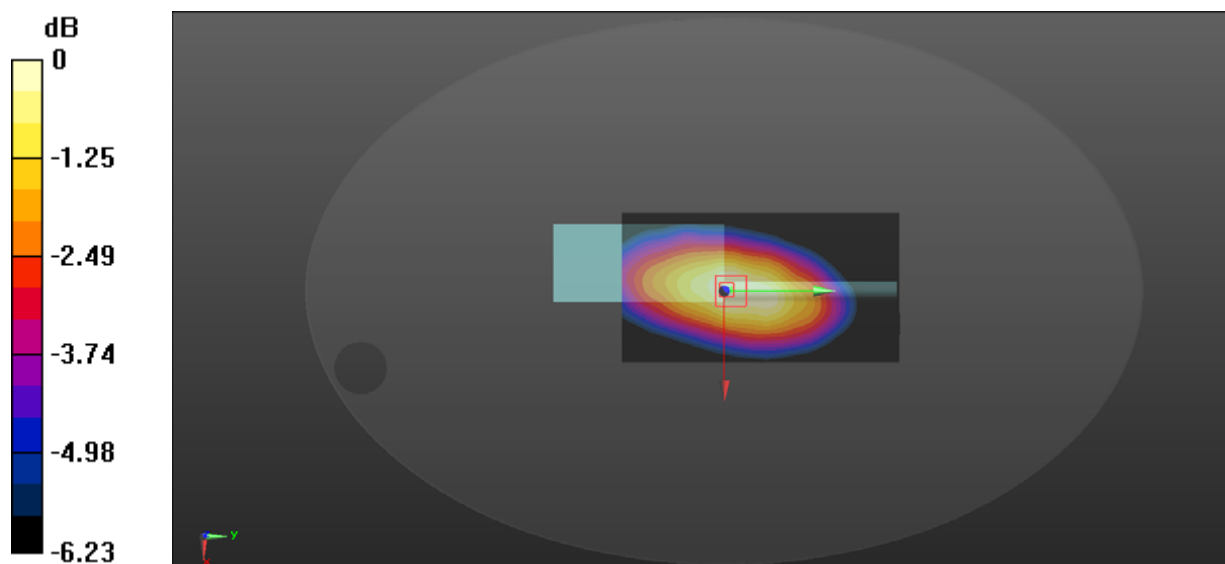
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.82 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 3.57 W/kg

**SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.91 W/kg**

Maximum value of SAR (measured) = 3.08 W/kg



0 dB = 3.08 W/kg = 4.89 dBW/kg

**Test Plot 11#:FM\_12.5kHz\_Face Up\_400.0125MHz****DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

Communication System: FM; Frequency: 400.0125 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 400.0125$  MHz;  $\sigma = 0.884$  S/m;  $\epsilon_r = 43.572$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- 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) = 10.2 W/kg

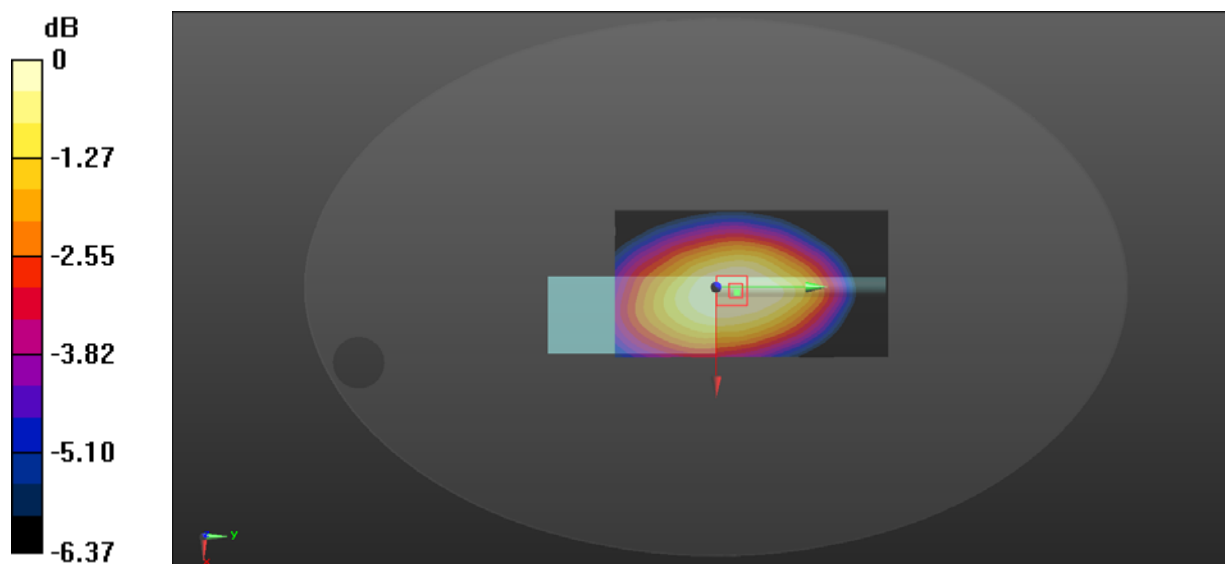
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 96.50 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 10.8 W/kg

**SAR(1 g) = 7.35 W/kg; SAR(10 g) = 5.72 W/kg**

Maximum value of SAR (measured) = 9.34 W/kg



0 dB = 9.34 W/kg = 9.70 dBW/kg

**Test Plot 12#: FM\_12.5kHz\_Face Up\_418MHz****DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

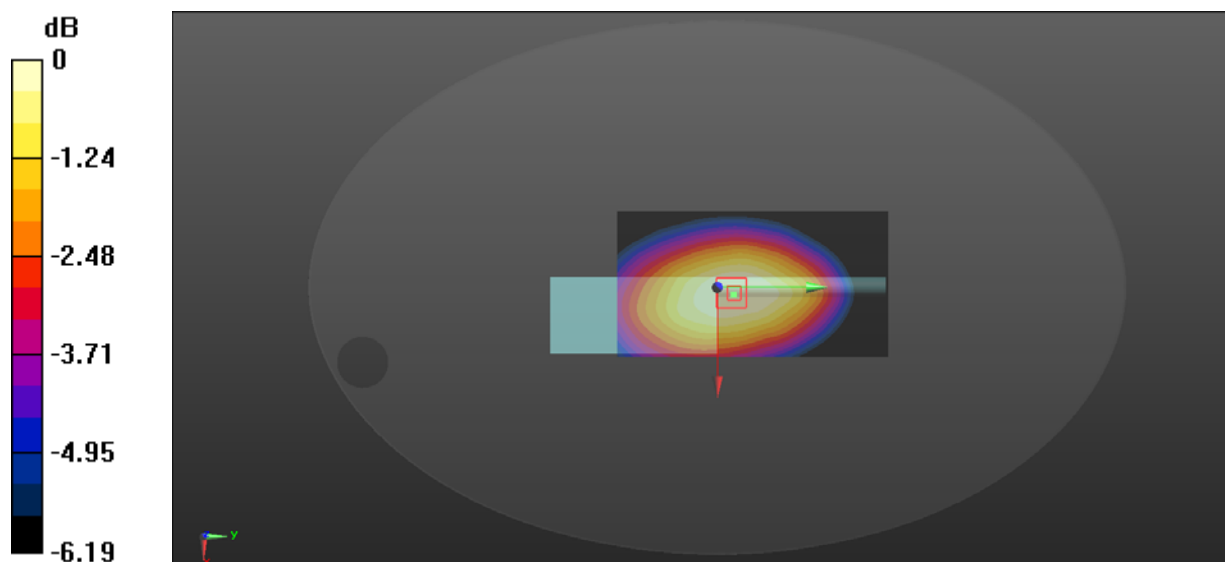
Communication System: FM; Frequency: 418 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 418 \text{ MHz}$ ;  $\sigma = 0.889 \text{ S/m}$ ;  $\epsilon_r = 43.519$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- 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) =  $8.05 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $87.81 \text{ V/m}$ ; Power Drift =  $-0.04 \text{ dB}$ Peak SAR (extrapolated) =  $8.67 \text{ W/kg}$ **SAR(1 g) =  $6.17 \text{ W/kg}$ ; SAR(10 g) =  $4.78 \text{ W/kg}$** Maximum value of SAR (measured) =  $7.66 \text{ W/kg}$  $0 \text{ dB} = 7.66 \text{ W/kg} = 8.84 \text{ dBW/kg}$

**Test Plot 13#: FM\_12.5kHz\_Face Up\_436MHz****DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

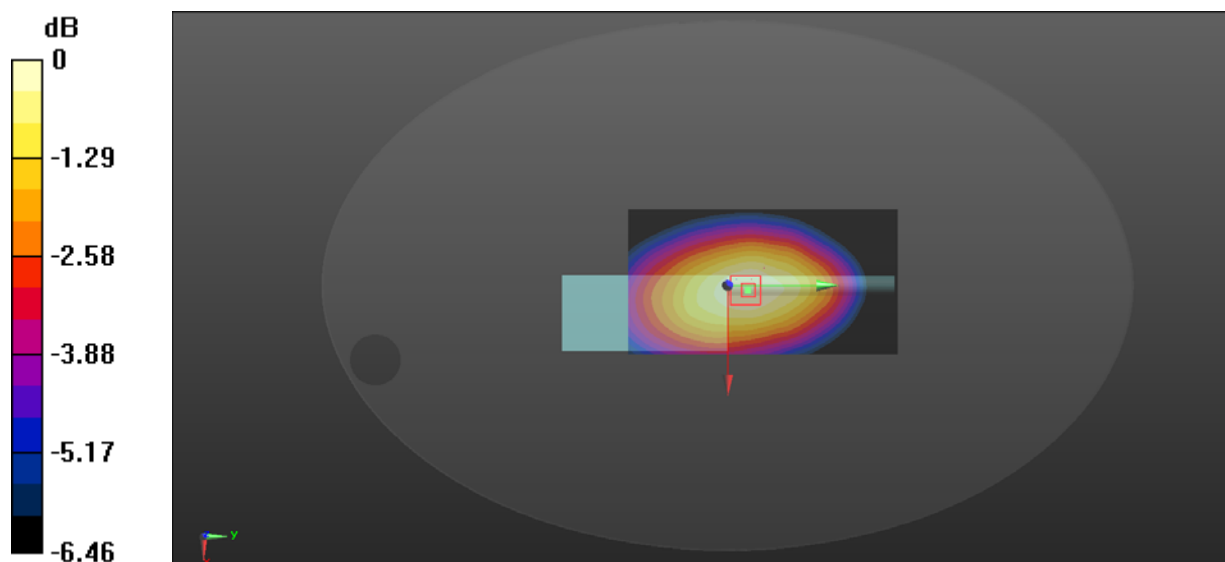
Communication System: FM; Frequency: 436 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 436 \text{ MHz}$ ;  $\sigma = 0.892 \text{ S/m}$ ;  $\epsilon_r = 43.327$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- 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) =  $5.18 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $69.38 \text{ V/m}$ ; Power Drift =  $-0.04 \text{ dB}$ Peak SAR (extrapolated) =  $5.85 \text{ W/kg}$ **SAR(1 g) =  $4.08 \text{ W/kg}$ ; SAR(10 g) =  $3.13 \text{ W/kg}$** Maximum value of SAR (measured) =  $5.14 \text{ W/kg}$ 0 dB =  $5.14 \text{ W/kg}$  =  $7.11 \text{ dBW/kg}$

**Test Plot 14#: FM\_12.5kHz\_Face Up\_452MHz****DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

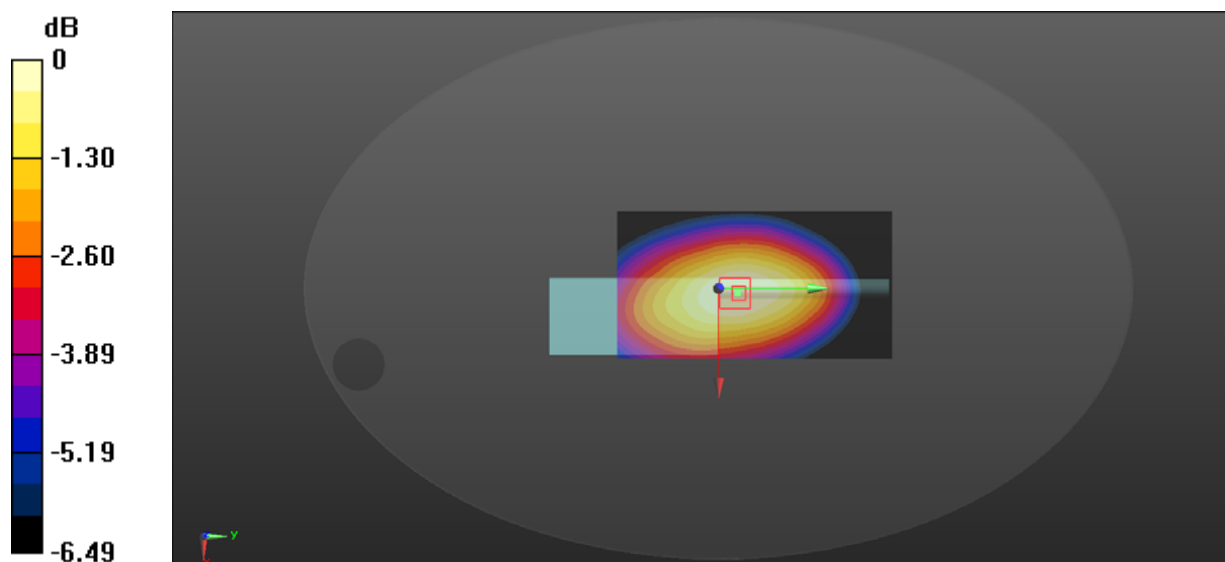
Communication System: FM; Frequency: 452 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 452 \text{ MHz}$ ;  $\sigma = 0.904 \text{ S/m}$ ;  $\epsilon_r = 43.154$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- 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) =  $3.90 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $60.43 \text{ V/m}$ ; Power Drift =  $-0.03 \text{ dB}$ Peak SAR (extrapolated) =  $4.30 \text{ W/kg}$ **SAR(1 g) =  $3.02 \text{ W/kg}$ ; SAR(10 g) =  $2.31 \text{ W/kg}$** Maximum value of SAR (measured) =  $3.78 \text{ W/kg}$  $0 \text{ dB} = 3.78 \text{ W/kg} = 5.77 \text{ dBW/kg}$

**Test Plot 15#: FM\_12.5kHz\_Face Up\_469.9875MHz****DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

Communication System: FM; Frequency: 469.9875 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 469.9875$  MHz;  $\sigma = 0.911$  S/m;  $\epsilon_r = 43.012$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- 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) = 4.34 W/kg

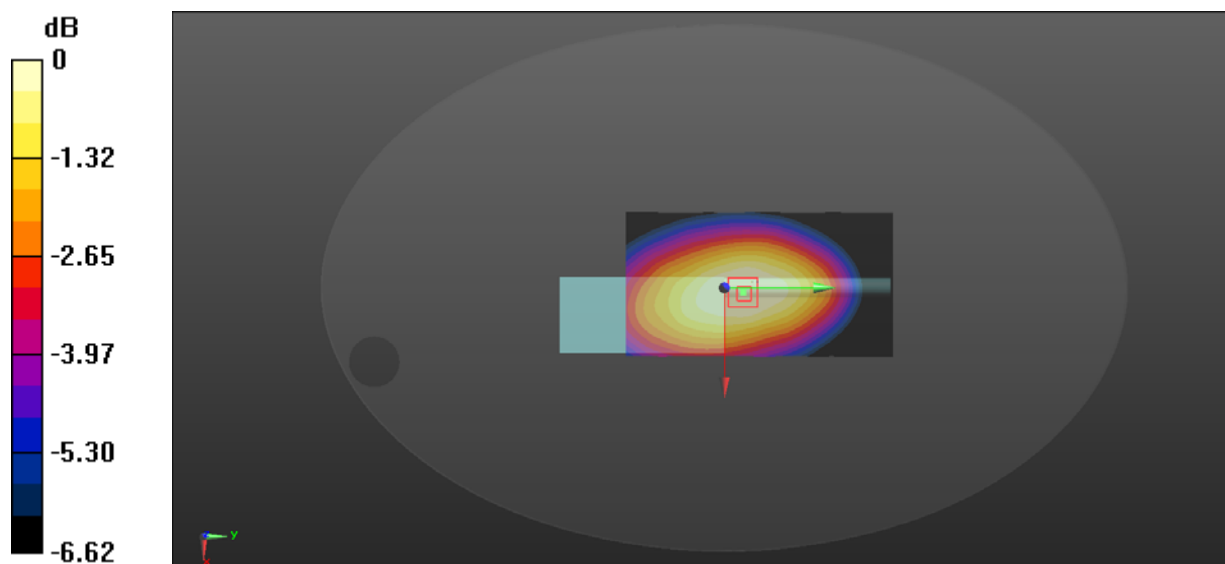
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 63.13 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 4.68 W/kg

**SAR(1 g) = 3.26 W/kg; SAR(10 g) = 2.48 W/kg**

Maximum value of SAR (measured) = 4.09 W/kg



0 dB = 4.09 W/kg = 6.12 dBW/kg

**Test Plot 16#: FM\_12.5kHz\_Body Back\_400.0125MHz****DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

Communication System: FM; Frequency: 400.0125 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 400.0125$  MHz;  $\sigma = 0.945$  S/m;  $\epsilon_r = 56.386$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- 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) = 12.7 W/kg

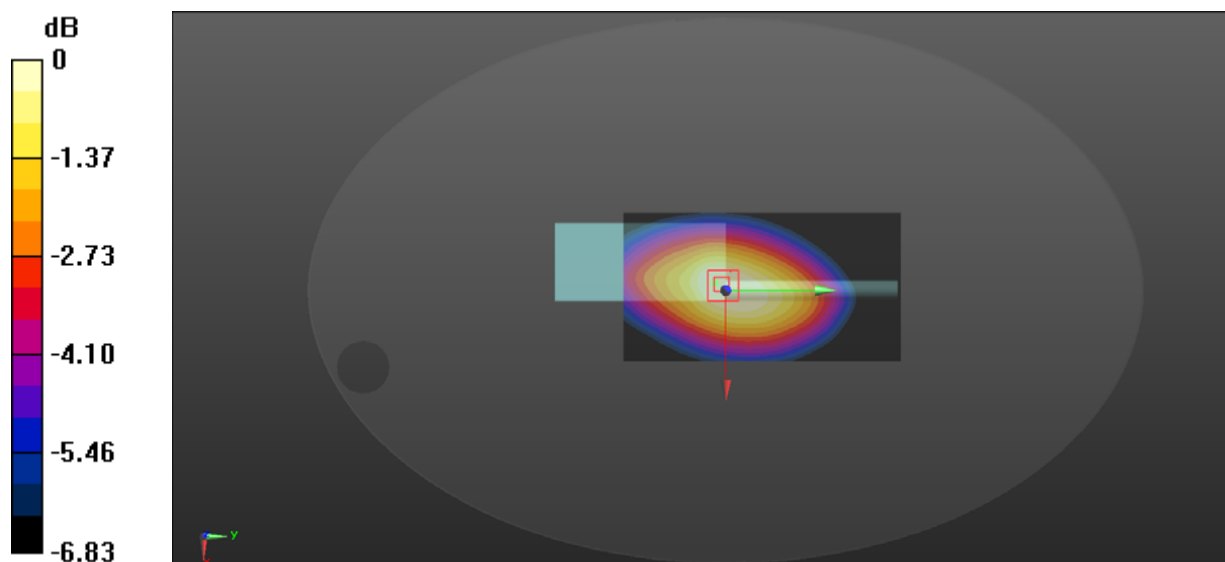
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 111.4 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 13.5 W/kg

**SAR(1 g) = 9.75 W/kg; SAR(10 g) = 7.75 W/kg**

Maximum value of SAR (measured) = 12.0 W/kg



0 dB = 12.0 W/kg = 10.79 dBW/kg



**Test Plot 17#: FM\_12.5kHz\_Body Back\_418MHz****DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

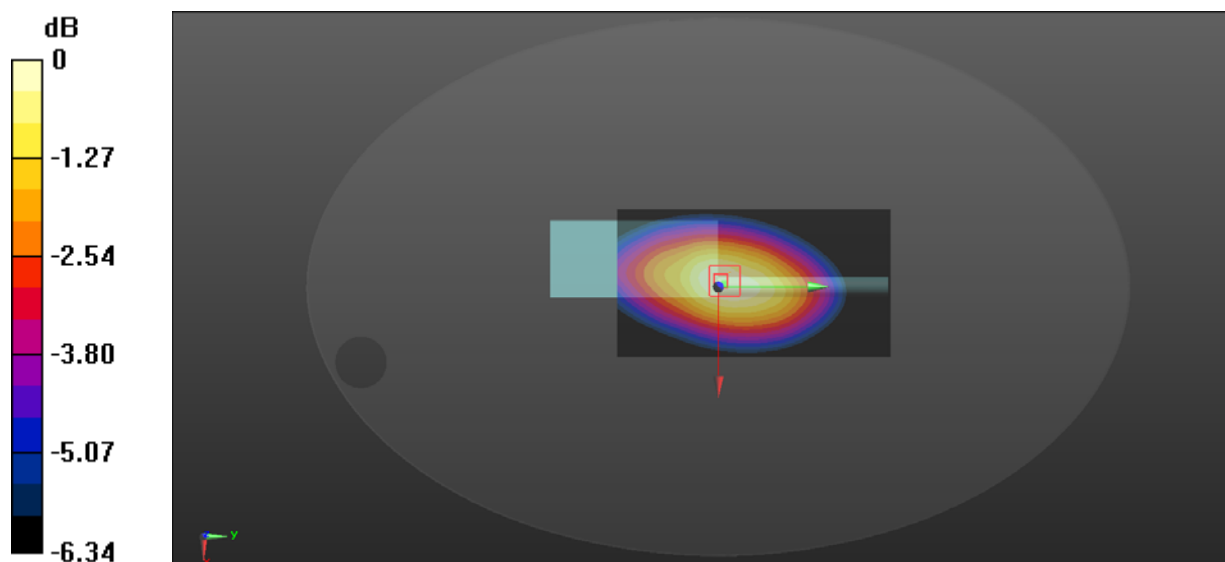
Communication System: FM; Frequency: 418 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 418 \text{ MHz}$ ;  $\sigma = 0.951 \text{ S/m}$ ;  $\epsilon_r = 56.374$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- 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) =  $11.4 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $101.7 \text{ V/m}$ ; Power Drift =  $0.00 \text{ dB}$ Peak SAR (extrapolated) =  $12.7 \text{ W/kg}$ **SAR(1 g) =  $9.26 \text{ W/kg}$ ; SAR(10 g) =  $7.36 \text{ W/kg}$** Maximum value of SAR (measured) =  $11.3 \text{ W/kg}$  $0 \text{ dB} = 11.3 \text{ W/kg} = 10.53 \text{ dBW/kg}$

**Test Plot 18#: FM\_12.5kHz\_Body Back\_436MHz****DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

Communication System: FM; Frequency: 436 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 436$  MHz;  $\sigma = 0.955$  S/m;  $\epsilon_r = 56.173$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- 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) = 8.01 W/kg

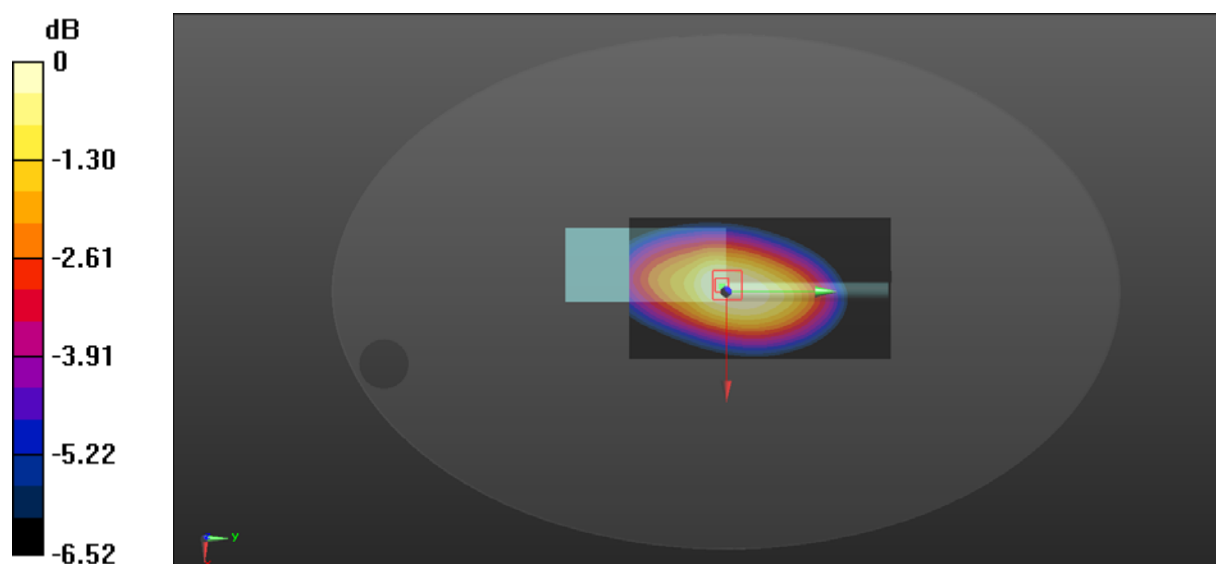
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 87.38 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 8.78 W/kg

**SAR(1 g) = 6.16 W/kg; SAR(10 g) = 4.88 W/kg**

Maximum value of SAR (measured) = 7.68 W/kg



0 dB = 7.68 W/kg = 8.85 dBW/kg

**Test Plot 19#: FM\_12.5kHz\_Body Back\_452MHz****DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

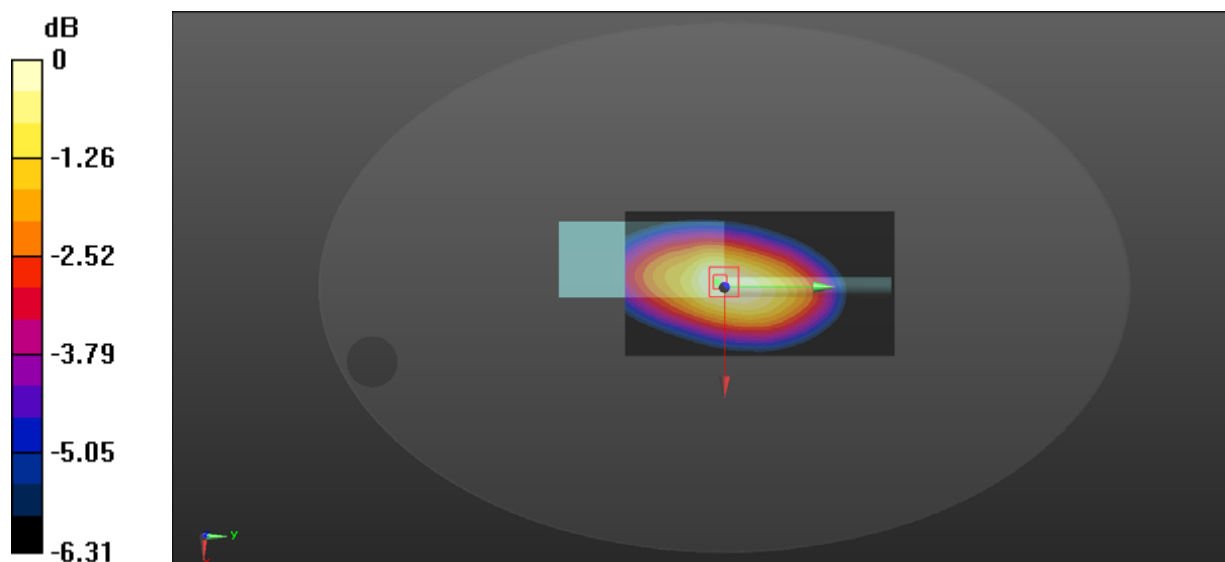
Communication System: FM; Frequency: 452 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 452 \text{ MHz}$ ;  $\sigma = 0.963 \text{ S/m}$ ;  $\epsilon_r = 56.007$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- 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) =  $5.65 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $71.37 \text{ V/m}$ ; Power Drift =  $-0.14 \text{ dB}$ Peak SAR (extrapolated) =  $6.29 \text{ W/kg}$ **SAR(1 g) =  $4.37 \text{ W/kg}$ ; SAR(10 g) =  $3.46 \text{ W/kg}$** Maximum value of SAR (measured) =  $5.51 \text{ W/kg}$  $0 \text{ dB} = 5.51 \text{ W/kg} = 7.41 \text{ dBW/kg}$

**Test Plot 20#: FM\_12.5kHz\_Body Back\_469.9875MHz****DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

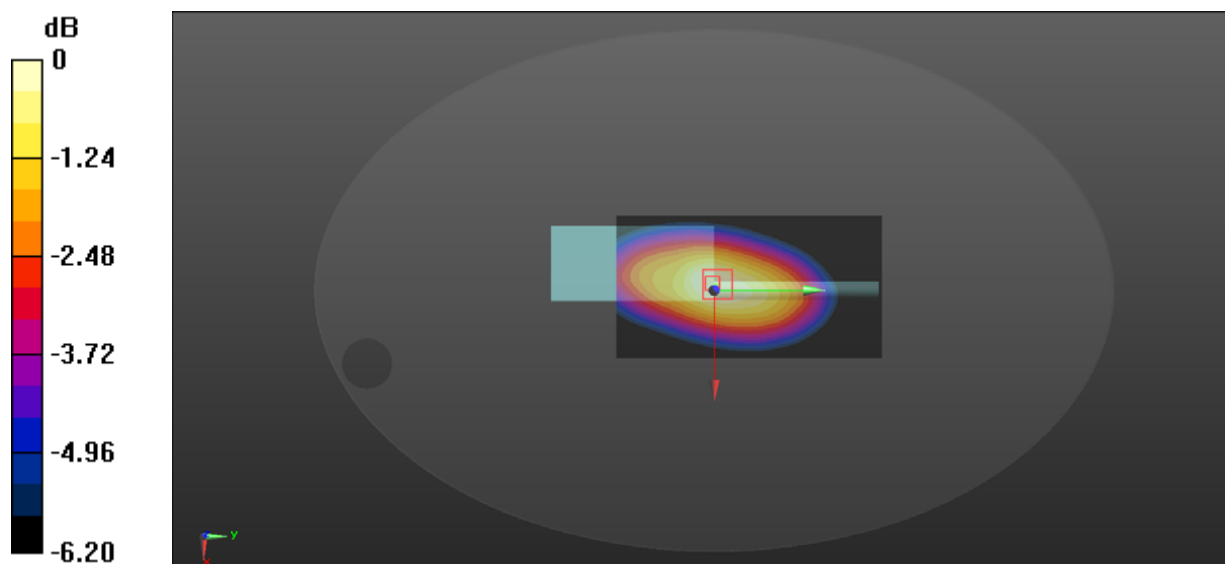
Communication System: FM; Frequency: 469.9875 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 469.9875 \text{ MHz}$ ;  $\sigma = 0.974 \text{ S/m}$ ;  $\epsilon_r = 56.128$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- 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) =  $5.79 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $71.83 \text{ V/m}$ ; Power Drift =  $-0.06 \text{ dB}$ Peak SAR (extrapolated) =  $6.65 \text{ W/kg}$ **SAR(1 g) =  $4.57 \text{ W/kg}$ ; SAR(10 g) =  $3.56 \text{ W/kg}$** Maximum value of SAR (measured) =  $5.67 \text{ W/kg}$  $0 \text{ dB} = 5.67 \text{ W/kg} = 7.54 \text{ dBW/kg}$