

Test Plot 1#: PTT_FM_12.5 kHz_ 400.0125 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.871$ S/m; $\epsilon_r = 45.162$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.08 W/kg

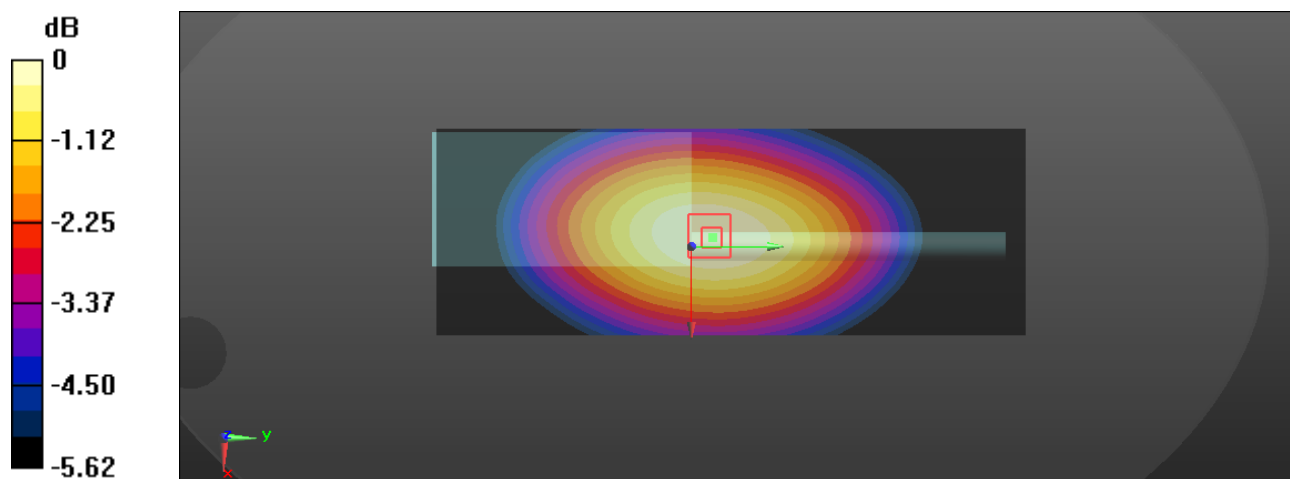
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 90.52 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 8.15 W/kg

SAR(1 g) = 6.7 W/kg; SAR(10 g) = 5.38 W/kg

Maximum value of SAR (measured) = 6.96 W/kg



0 dB = 6.96 W/kg = 8.43 dBW/kg

Test Plot 2#: PTT_FM_12.5 kHz_ 418.6625 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

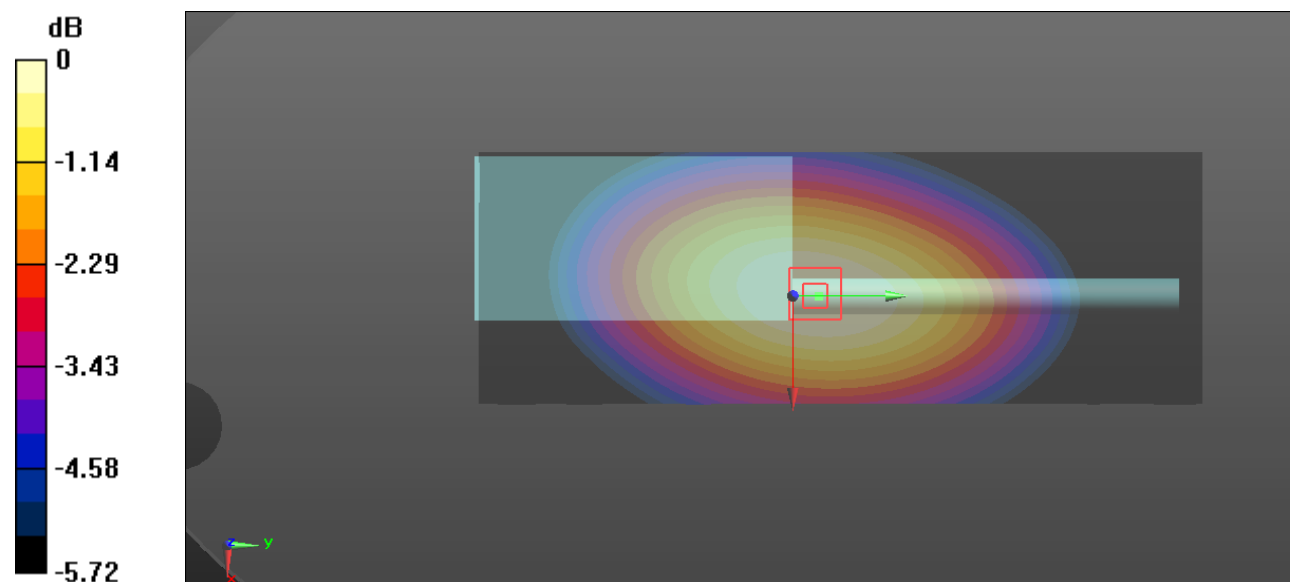
Communication System: FM ; Frequency: 418.662 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.874 \text{ S/m}$; $\epsilon_r = 44.713$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 9.42 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 105.5 V/m ; Power Drift = -0.18 dB Peak SAR (extrapolated) = 10.7 W/kg **SAR(1 g) = 8.75 W/kg ; SAR(10 g) = 7.01 W/kg** Maximum value of SAR (measured) = 9.10 W/kg  $0 \text{ dB} = 9.10 \text{ W/kg} = 9.59 \text{ dBW/kg}$

Test Plot 3#: PTT_FM_12.5 kHz_ 437.3125 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

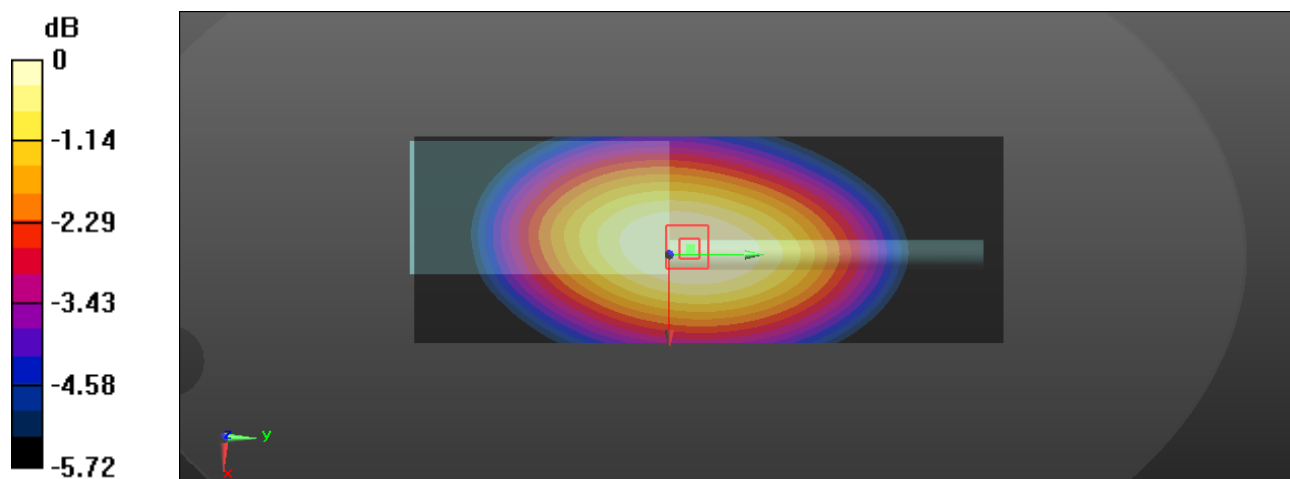
Communication System: FM; Frequency: 437.312 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 437.312 \text{ MHz}$; $\sigma = 0.887 \text{ S/m}$; $\epsilon_r = 44.212$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 437.312 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.70 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 101.0 V/m ; Power Drift = -0.13 dB Peak SAR (extrapolated) = 9.76 W/kg **SAR(1 g) = 8.03 W/kg ; SAR(10 g) = 6.45 W/kg** Maximum value of SAR (measured) = 8.34 W/kg  $0 \text{ dB} = 8.34 \text{ W/kg} = 9.21 \text{ dBW/kg}$

Test Plot 4#: PTT_FM_12.5 kHz_ 455.9625 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

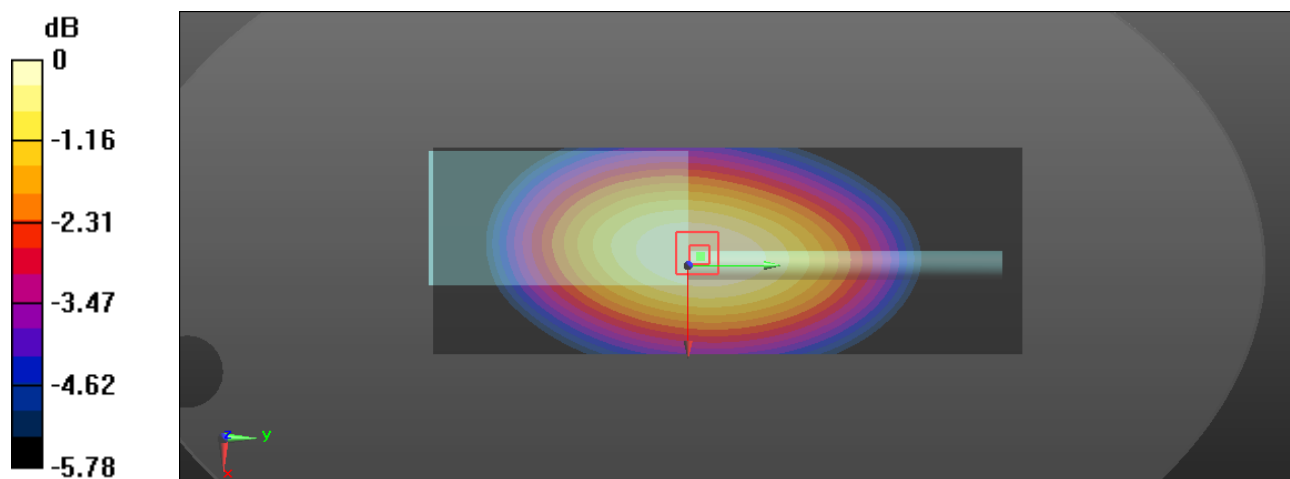
Communication System: FM; Frequency: 455.962 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 455.962 \text{ MHz}$; $\sigma = 0.882 \text{ S/m}$; $\epsilon_r = 43.425$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 455.962 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 5.23 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 77.51 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 6.04 W/kg **SAR(1 g) = 4.96 W/kg ; SAR(10 g) = 3.99 W/kg** Maximum value of SAR (measured) = 5.16 W/kg  $0 \text{ dB} = 5.16 \text{ W/kg} = 7.13 \text{ dBW/kg}$

Test Plot 5#: PTT_FM_12.5 kHz_ 474.6125 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

Communication System: FM; Frequency: 474.612 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 474.612$ MHz; $\sigma = 0.884$ S/m; $\epsilon_r = 43.164$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 474.612 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

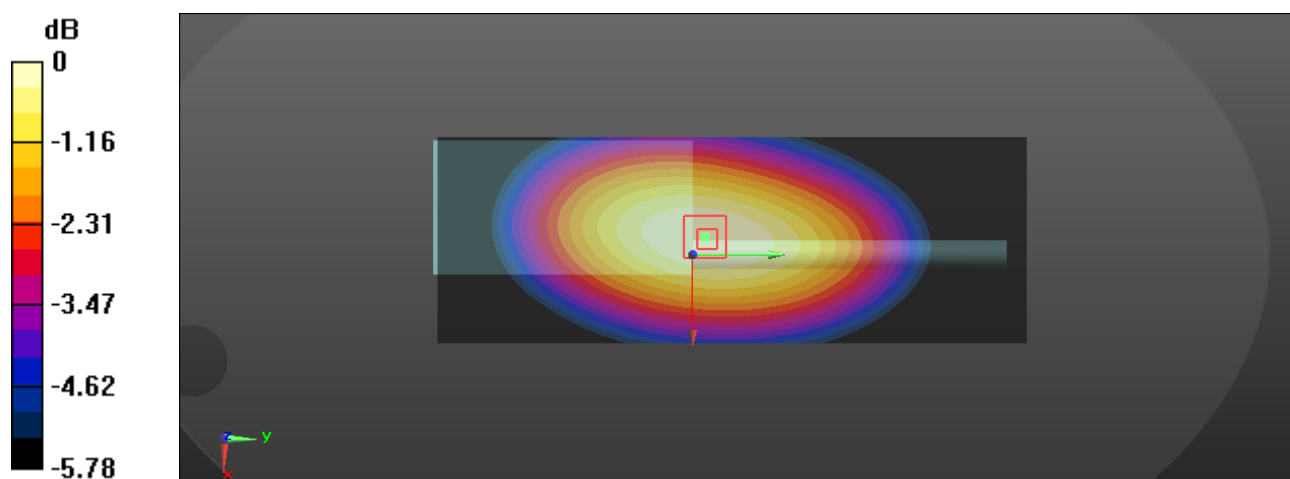
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 72.24 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 5.45 W/kg

SAR(1 g) = 4.45 W/kg; SAR(10 g) = 3.57 W/kg

Maximum value of SAR (measured) = 4.63 W/kg



0 dB = 4.63 W/kg = 6.66 dBW/kg

Test Plot 6#: PTT_FM_12.5 kHz_ 493.2625 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

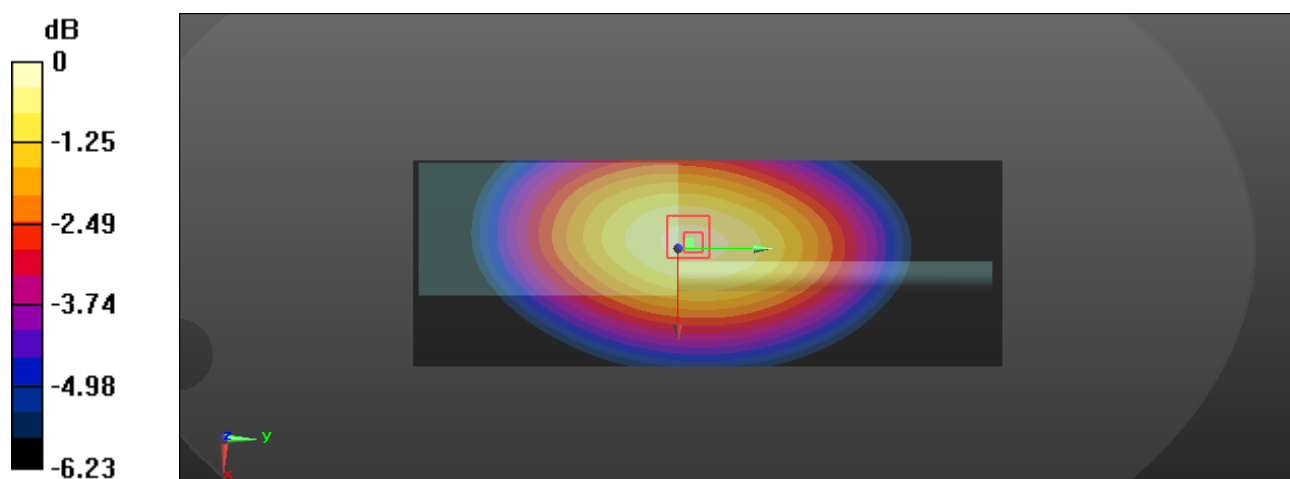
Communication System: FM; Frequency: 493.262 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 493.262 \text{ MHz}$; $\sigma = 0.896 \text{ S/m}$; $\epsilon_r = 43.261$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 493.262 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.43 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 63.32 V/m ; Power Drift = 0.03 dB Peak SAR (extrapolated) = 4.26 W/kg **SAR(1 g) = 3.52 W/kg ; SAR(10 g) = 2.84 W/kg** Maximum value of SAR (measured) = 3.64 W/kg  $0 \text{ dB} = 3.64 \text{ W/kg} = 5.61 \text{ dBW/kg}$

Test Plot 7#: PTT_FM_12.5 kHz_ 511.9875 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

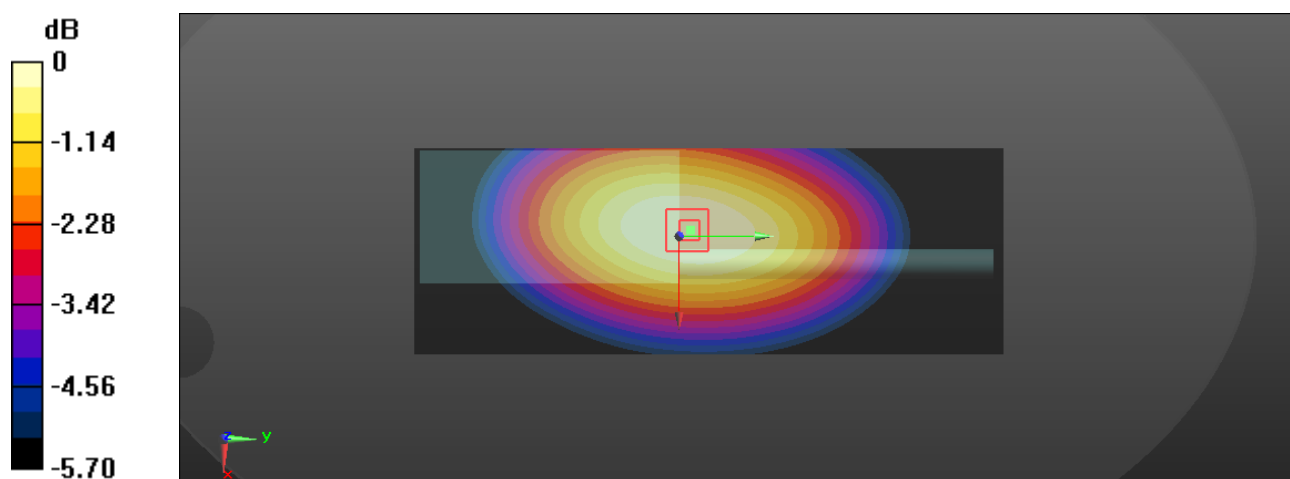
Communication System: FM; Frequency: 511.987 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 511.987 \text{ MHz}$; $\sigma = 0.879 \text{ S/m}$; $\epsilon_r = 42.627$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 511.987 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 2.97 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 58.71 V/m ; Power Drift = -0.19 dB Peak SAR (extrapolated) = 3.38 W/kg **SAR(1 g) = 2.78 W/kg ; SAR(10 g) = 2.23 W/kg** Maximum value of SAR (measured) = 2.89 W/kg  $0 \text{ dB} = 2.89 \text{ W/kg} = 4.61 \text{ dBW/kg}$

Test Plot 8#: PTT_FM_25 kHz_ 400.0125 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.871$ S/m; $\epsilon_r = 45.162$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

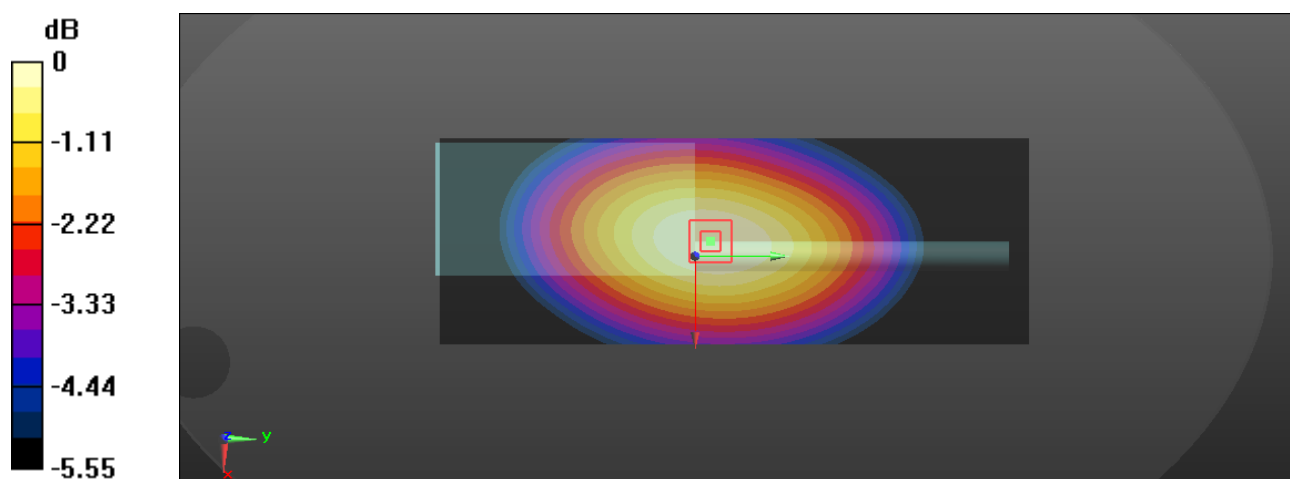
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 89.74 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 8.09 W/kg

SAR(1 g) = 6.64 W/kg; SAR(10 g) = 5.33 W/kg

Maximum value of SAR (measured) = 6.91 W/kg



0 dB = 6.91 W/kg = 8.39 dBW/kg

Test Plot 9#: PTT_FM_25 kHz_ 418.6625 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

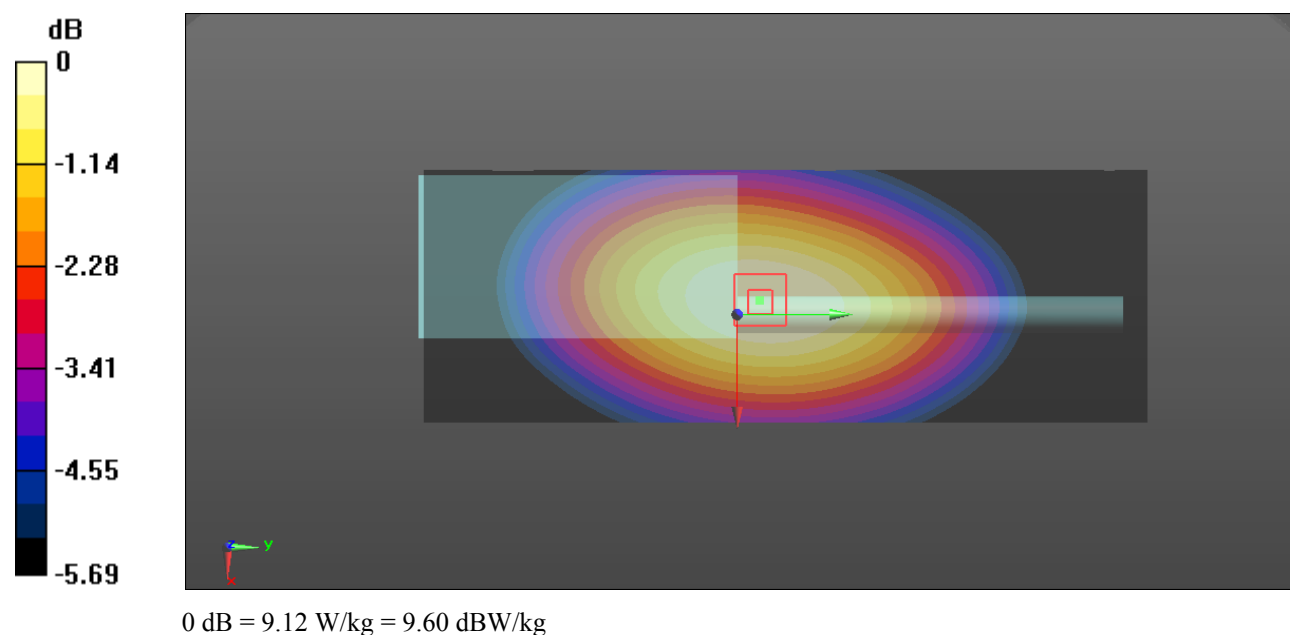
Communication System: FM ; Frequency: 418.662 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.874 \text{ S/m}$; $\epsilon_r = 44.713$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 9.41 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 104.8 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 10.7 W/kg **SAR(1 g) = 8.76 W/kg ; SAR(10 g) = 7.01 W/kg** Maximum value of SAR (measured) = 9.12 W/kg 

Test Plot 10#: PTT_FM_25 kHz_ 437.3125 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

Communication System: FM; Frequency: 437.312 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 437.312$ MHz; $\sigma = 0.887$ S/m; $\epsilon_r = 44.212$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 437.312 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.14 W/kg

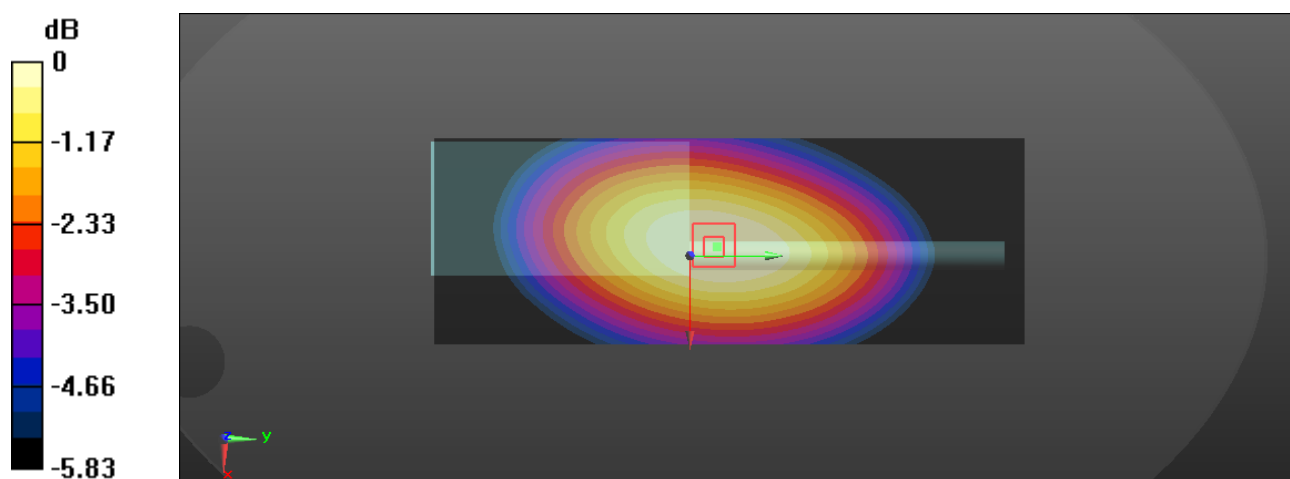
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 103.1 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 10.3 W/kg

SAR(1 g) = 8.4 W/kg; SAR(10 g) = 6.72 W/kg

Maximum value of SAR (measured) = 8.73 W/kg



0 dB = 8.73 W/kg = 9.41 dBW/kg

Test Plot 11#: PTT_FM_25 kHz_ 455.9625 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

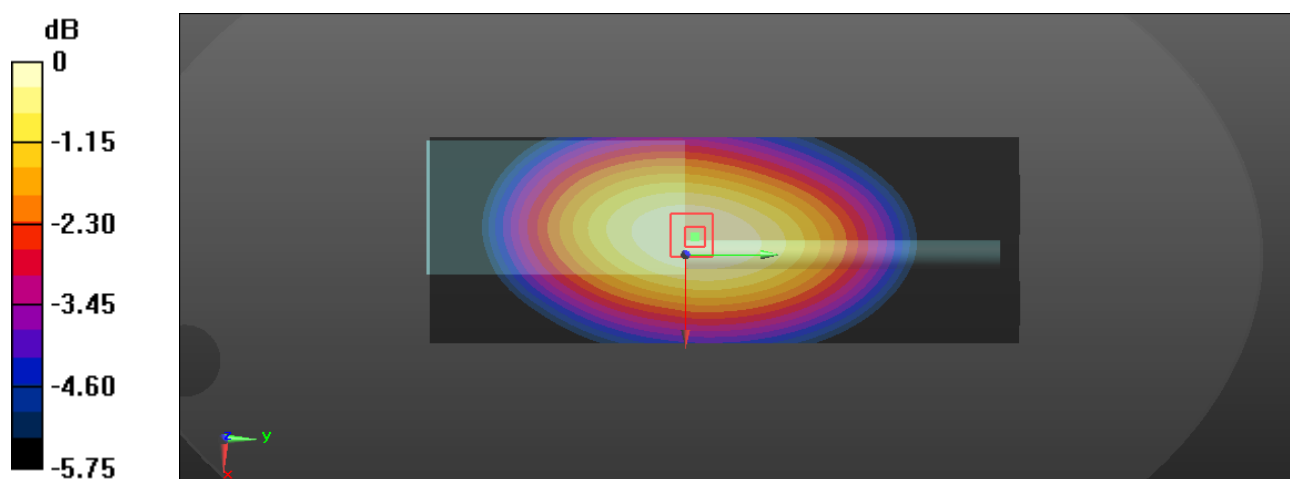
Communication System: FM; Frequency: 455.962 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 455.962 \text{ MHz}$; $\sigma = 0.882 \text{ S/m}$; $\epsilon_r = 43.425$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 455.962 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 5.19 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 76.31 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 5.97 W/kg **SAR(1 g) = 4.9 W/kg ; SAR(10 g) = 3.94 W/kg** Maximum value of SAR (measured) = 5.09 W/kg  $0 \text{ dB} = 5.09 \text{ W/kg} = 7.07 \text{ dBW/kg}$

Test Plot 12#: PTT_FM_25 kHz_ 474.6125 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

Communication System: FM; Frequency: 474.612 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 474.612$ MHz; $\sigma = 0.884$ S/m; $\epsilon_r = 43.164$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 474.612 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

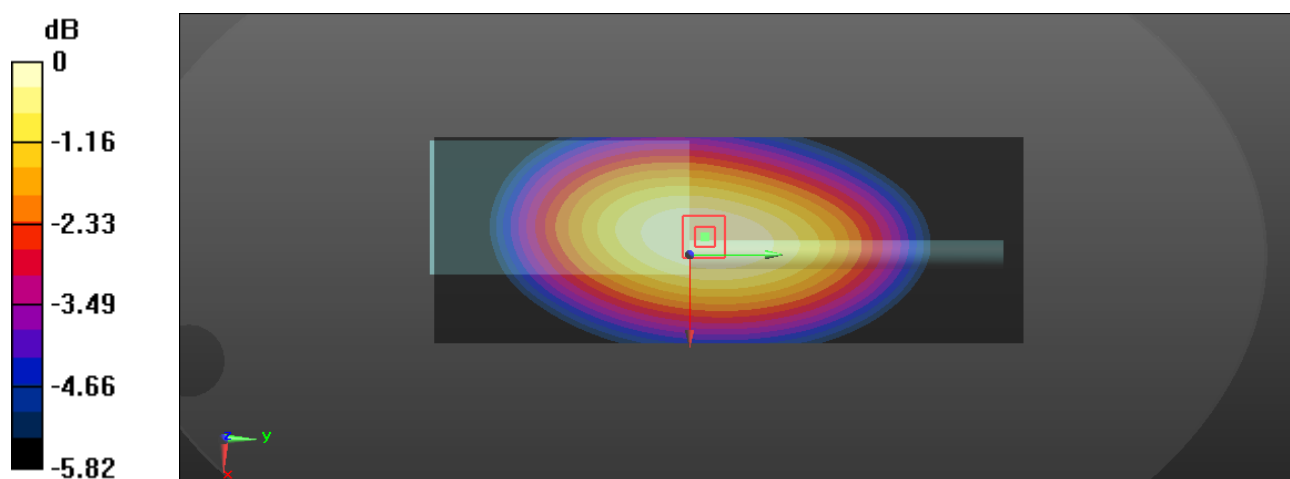
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 72.22 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 5.44 W/kg

SAR(1 g) = 4.44 W/kg; SAR(10 g) = 3.56 W/kg

Maximum value of SAR (measured) = 4.61 W/kg



0 dB = 4.61 W/kg = 6.64 dBW/kg

Test Plot 13#: PTT_FM_25 kHz_ 493.2625 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

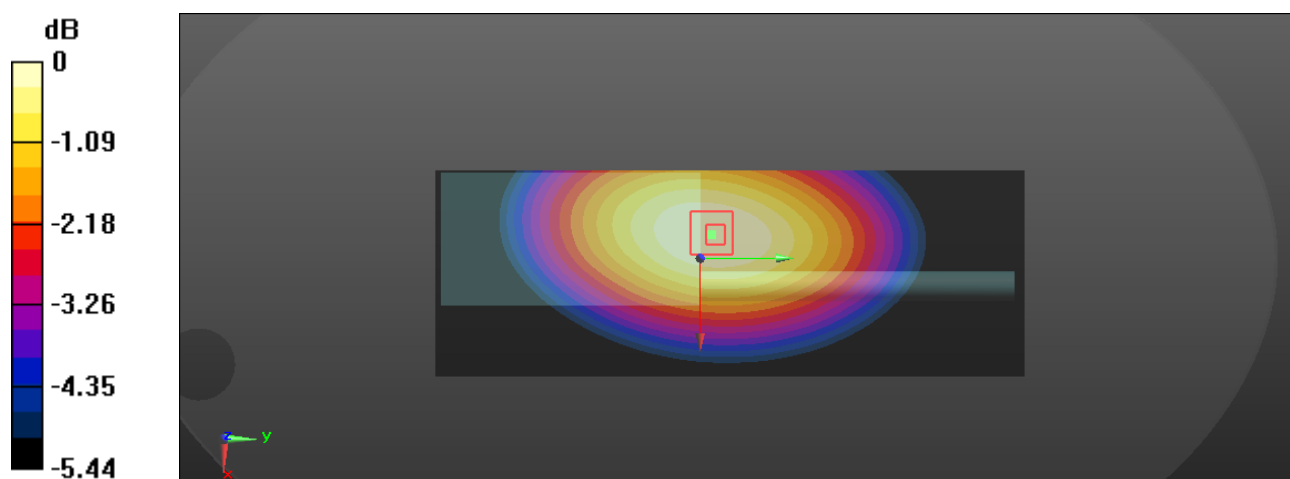
Communication System: FM; Frequency: 493.262 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 493.262 \text{ MHz}$; $\sigma = 0.896 \text{ S/m}$; $\epsilon_r = 43.261$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 493.262 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.65 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 63.71 V/m ; Power Drift = -0.07 dB Peak SAR (extrapolated) = 4.21 W/kg **SAR(1 g) = 3.47 W/kg ; SAR(10 g) = 2.79 W/kg** Maximum value of SAR (measured) = 3.60 W/kg  $0 \text{ dB} = 3.60 \text{ W/kg} = 5.56 \text{ dBW/kg}$

Test Plot 14#: PTT_FM_25 kHz_ 511.9875 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

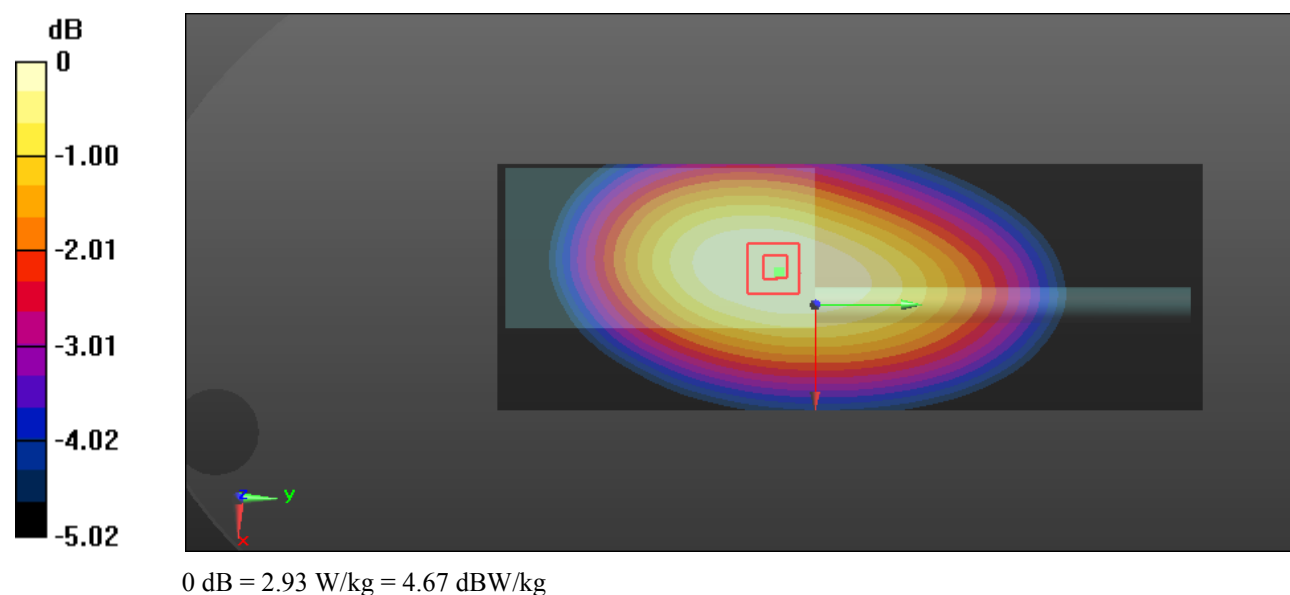
Communication System: FM; Frequency: 511.987 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 511.987 \text{ MHz}$; $\sigma = 0.879 \text{ S/m}$; $\epsilon_r = 42.627$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 511.987MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 2.95 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 56.45 V/m ; Power Drift = -0.18 dB Peak SAR (extrapolated) = 3.42 W/kg **SAR(1 g) = 2.82 W/kg ; SAR(10 g) = 2.27 W/kg** Maximum value of SAR (measured) = 2.93 W/kg 

Test Plot 15#: PTT_4FSK_12.5 kHz_ 418.6625 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

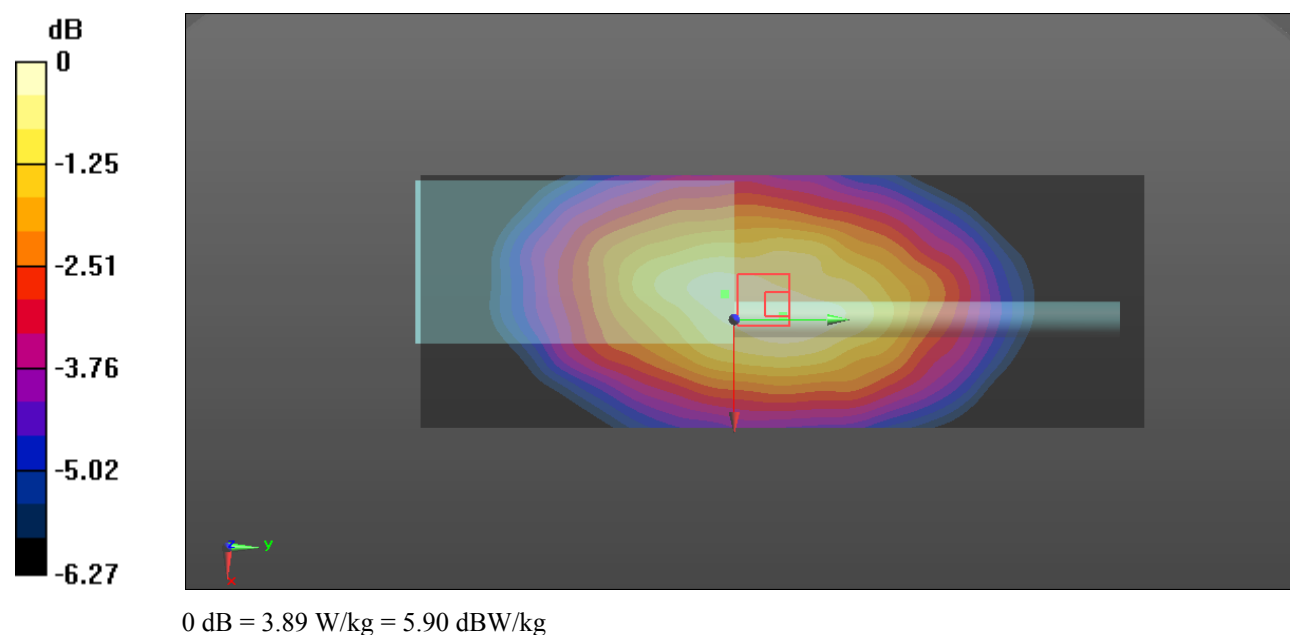
Communication System: 4FSK ; Frequency: 418.662 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.874 \text{ S/m}$; $\epsilon_r = 44.713$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.87 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 66.53 V/m ; Power Drift = -0.13 dB Peak SAR (extrapolated) = 4.83 W/kg **SAR(1 g) = 3.66 W/kg ; SAR(10 g) = 2.92 W/kg** Maximum value of SAR (measured) = 3.89 W/kg 

Test Plot 16#: PTT_FM_12.5 kHz_ 400.0125 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.871$ S/m; $\epsilon_r = 45.162$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.53 W/kg

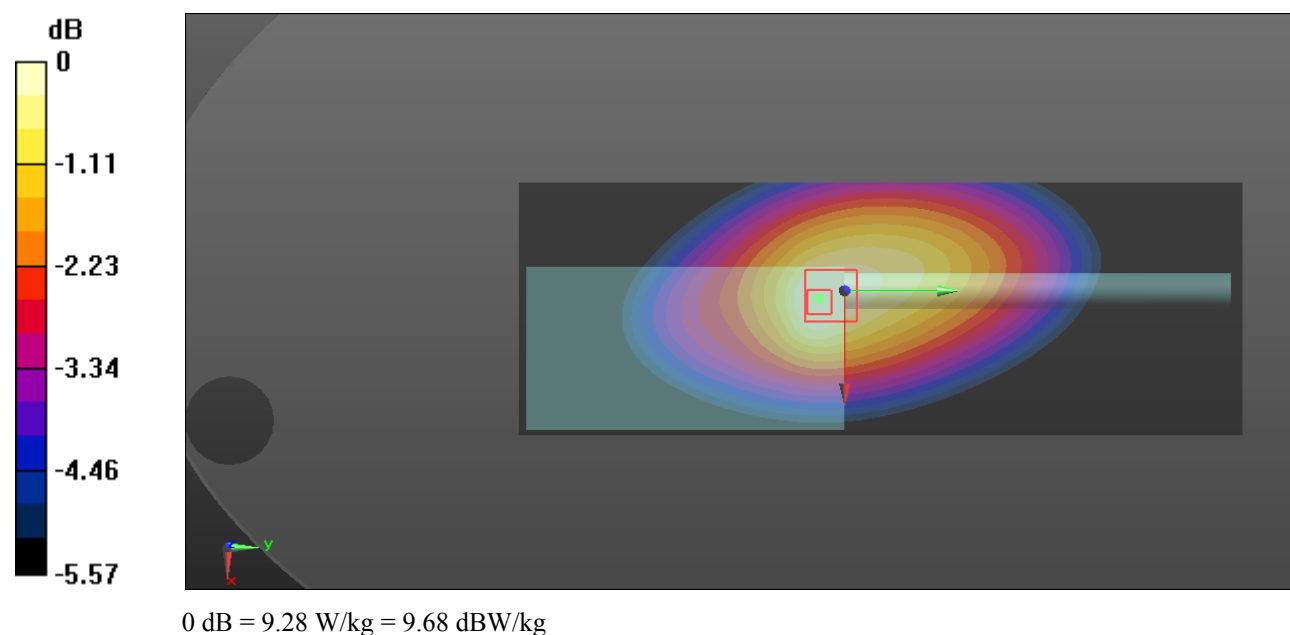
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 111.0 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 8.82 W/kg; SAR(10 g) = 6.93 W/kg

Maximum value of SAR (measured) = 9.28 W/kg



Test Plot 17#: PTT_FM_12.5 kHz_ 418.6625 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

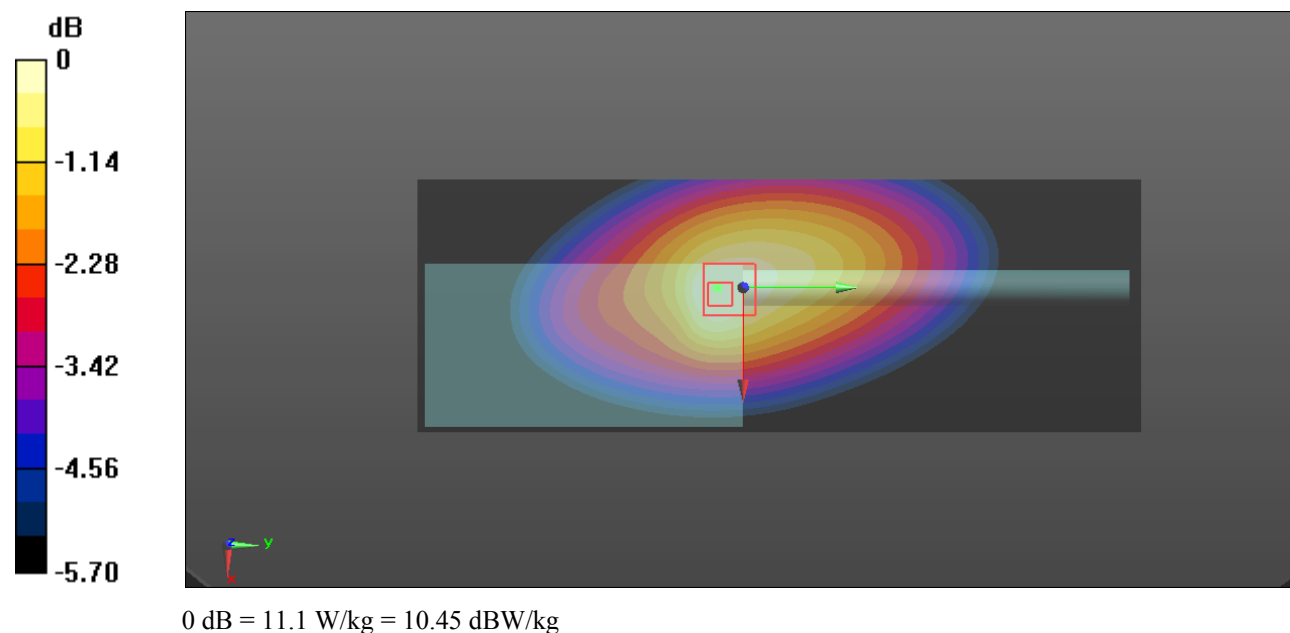
Communication System: FM ; Frequency: 418.662 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.874 \text{ S/m}$; $\epsilon_r = 44.713$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 11.6 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 116.1 V/m ; Power Drift = -0.15 dB Peak SAR (extrapolated) = 13.3 W/kg **SAR(1 g) = 10.5 W/kg ; SAR(10 g) = 8.18 W/kg** Maximum value of SAR (measured) = 11.1 W/kg 

Test Plot 18#: PTT_FM_12.5 kHz_ 437.3125 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

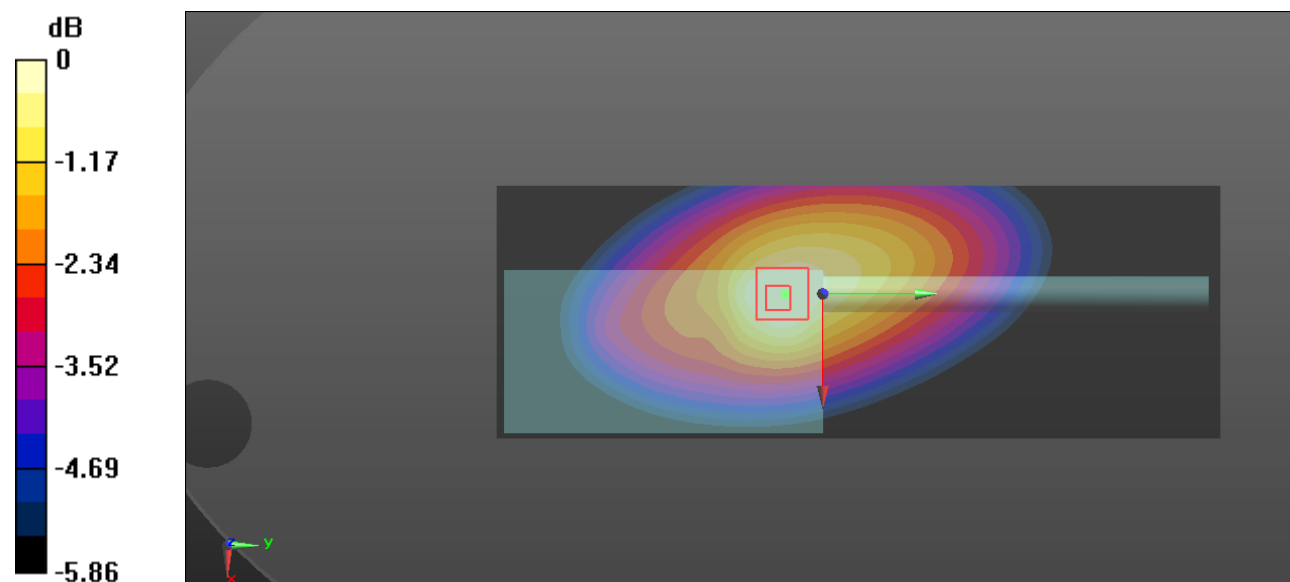
Communication System: FM; Frequency: 437.312 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 437.312 \text{ MHz}$; $\sigma = 0.887 \text{ S/m}$; $\epsilon_r = 44.212$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 437.312 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 11.5 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 110.8 V/m ; Power Drift = -0.10 dB Peak SAR (extrapolated) = 13.5 W/kg **SAR(1 g) = 10.5 W/kg ; SAR(10 g) = 7.95 W/kg** Maximum value of SAR (measured) = 10.9 W/kg  $0 \text{ dB} = 10.9 \text{ W/kg} = 10.37 \text{ dBW/kg}$

Test Plot 19#: PTT_FM_12.5 kHz_ 455.9625 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

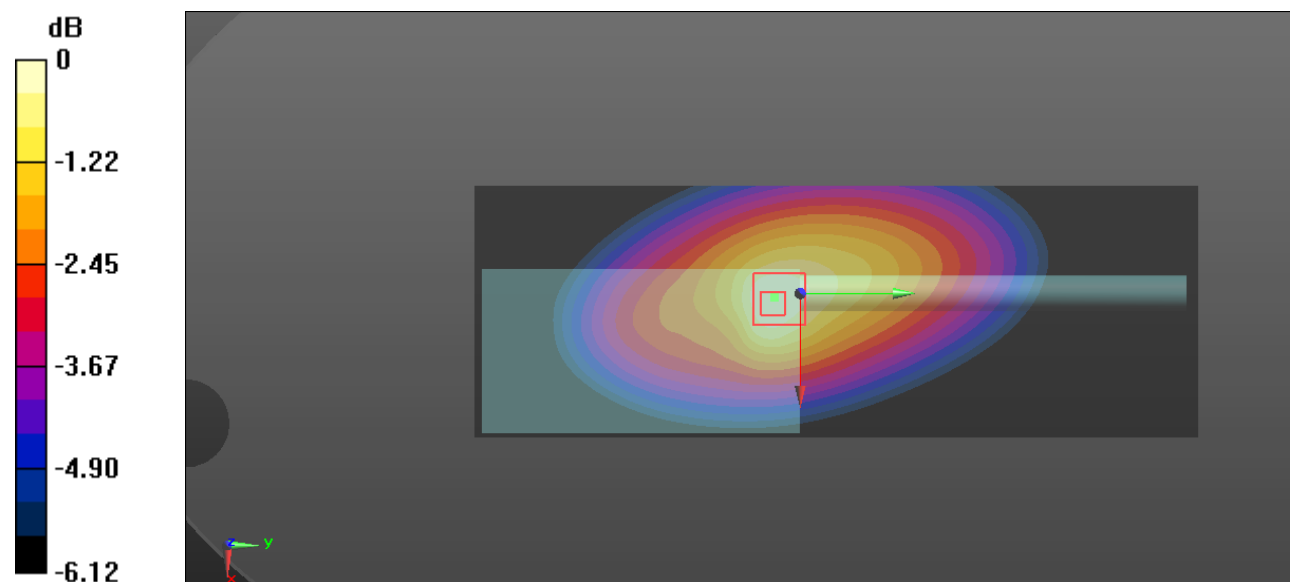
Communication System: FM; Frequency: 455.962 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 455.962 \text{ MHz}$; $\sigma = 0.882 \text{ S/m}$; $\epsilon_r = 43.425$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 455.962 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.37 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 89.91 V/m ; Power Drift = -0.14 dB Peak SAR (extrapolated) = 8.89 W/kg **SAR(1 g) = 6.86 W/kg ; SAR(10 g) = 5.15 W/kg** Maximum value of SAR (measured) = 7.26 W/kg 0 dB = 7.26 W/kg = 8.61 dBW/kg

Test Plot 20#: PTT_FM_12.5 kHz_ 474.6125 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

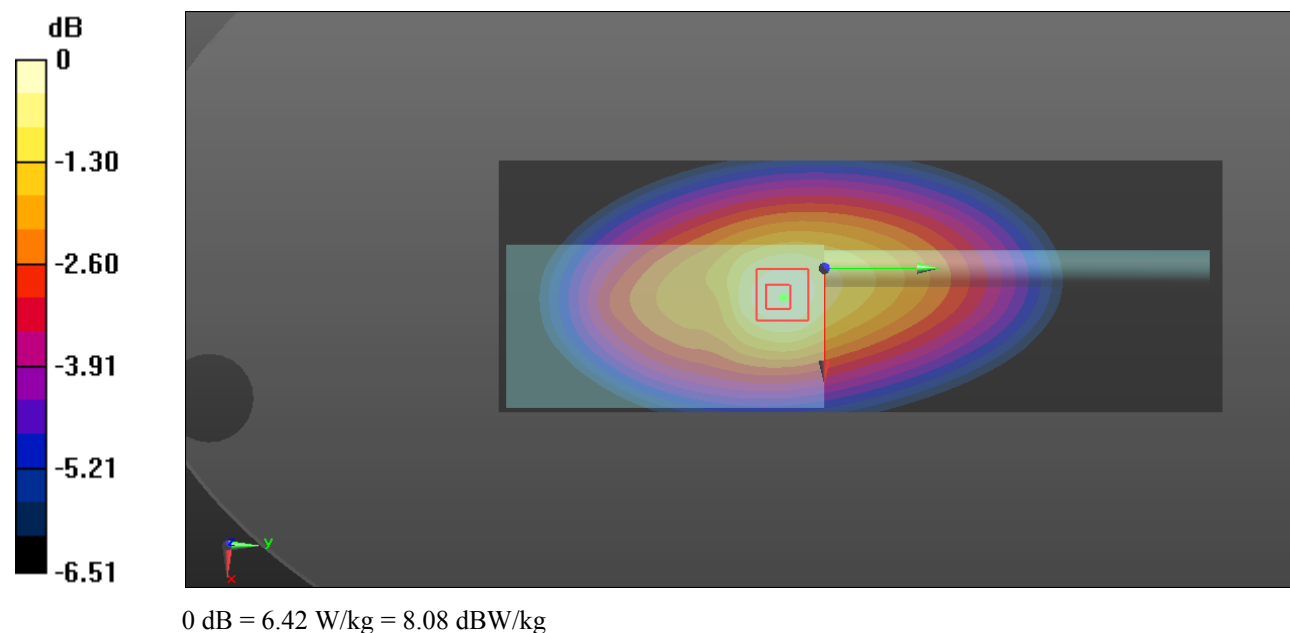
Communication System: FM; Frequency: 474.612 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 474.612 \text{ MHz}$; $\sigma = 0.884 \text{ S/m}$; $\epsilon_r = 43.164$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 474.612 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.56 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 79.82 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 7.80 W/kg **SAR(1 g) = 6.08 W/kg ; SAR(10 g) = 4.56 W/kg** Maximum value of SAR (measured) = 6.42 W/kg 

Test Plot 21#: PTT_FM_12.5 kHz_ 493.2625 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

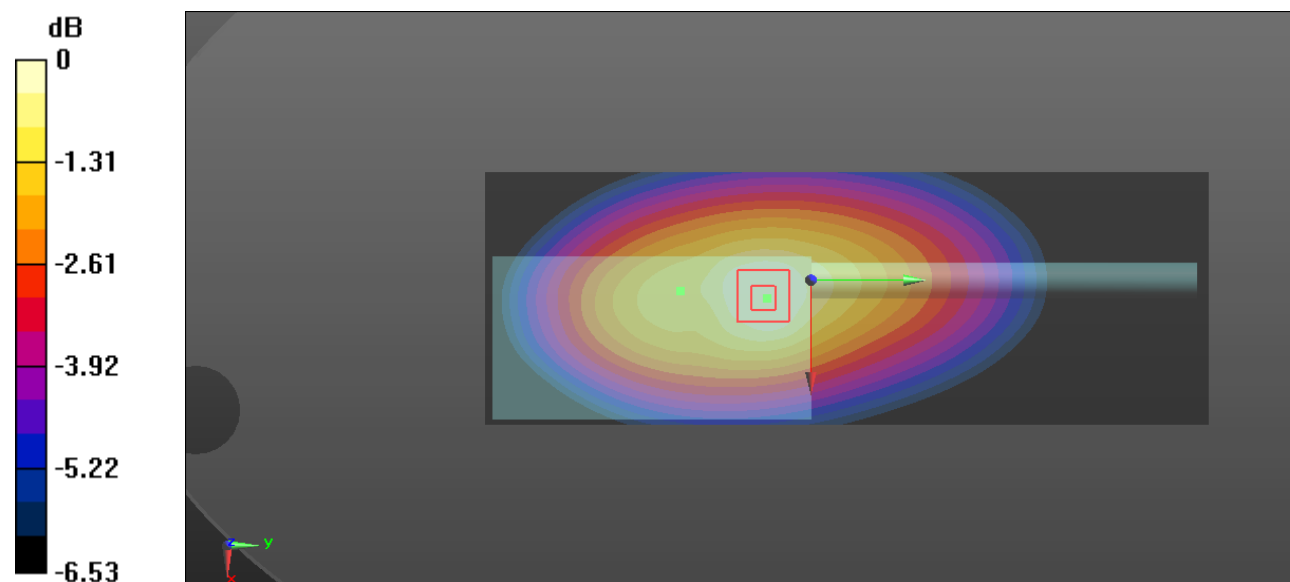
Communication System: FM; Frequency: 493.262 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 493.262 \text{ MHz}$; $\sigma = 0.896 \text{ S/m}$; $\epsilon_r = 43.261$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 493.262 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.66 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 94.53 V/m ; Power Drift = -0.12 dB Peak SAR (extrapolated) = 9.82 W/kg **SAR(1 g) = 7.8 W/kg ; SAR(10 g) = 5.92 W/kg** Maximum value of SAR (measured) = 8.26 W/kg 0 dB = 8.26 W/kg = 9.17 dBW/kg

Test Plot 22#: PTT_FM_12.5 kHz_ 511.9875 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

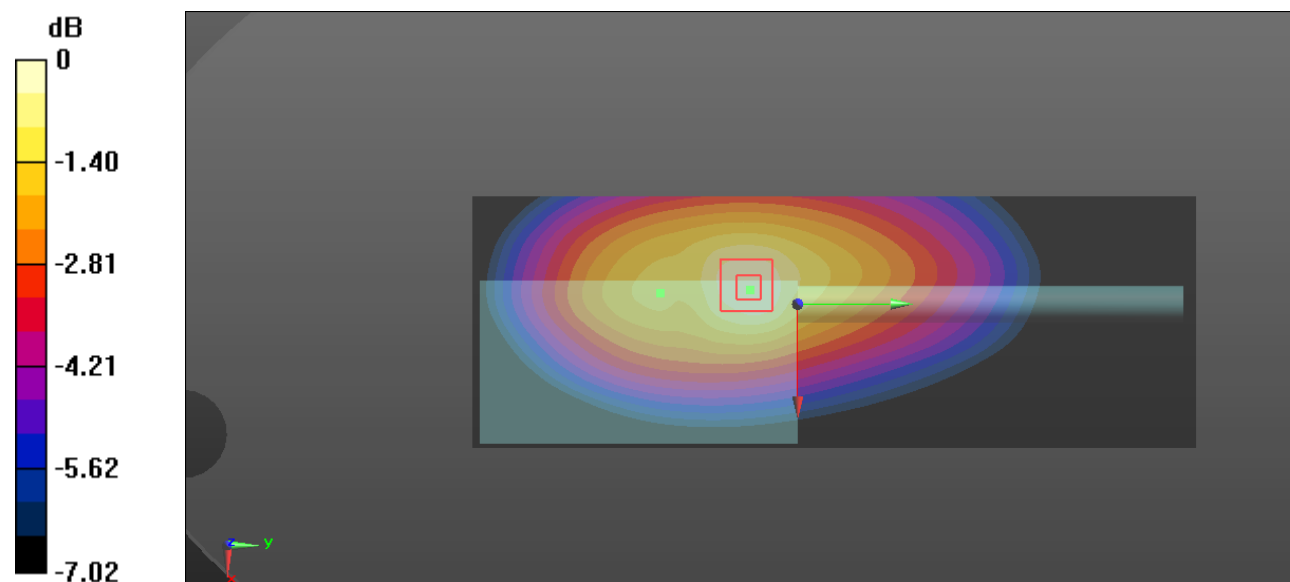
Communication System: FM; Frequency: 511.987 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 511.987 \text{ MHz}$; $\sigma = 0.879 \text{ S/m}$; $\epsilon_r = 42.627$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 511.987 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.99 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 81.91 V/m ; Power Drift = -0.18 dB Peak SAR (extrapolated) = 8.65 W/kg **SAR(1 g) = 6.45 W/kg ; SAR(10 g) = 4.76 W/kg** Maximum value of SAR (measured) = 6.94 W/kg  $0 \text{ dB} = 6.94 \text{ W/kg} = 8.41 \text{ dBW/kg}$

Test Plot 23#: PTT_FM_25 kHz_ 400.0125 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

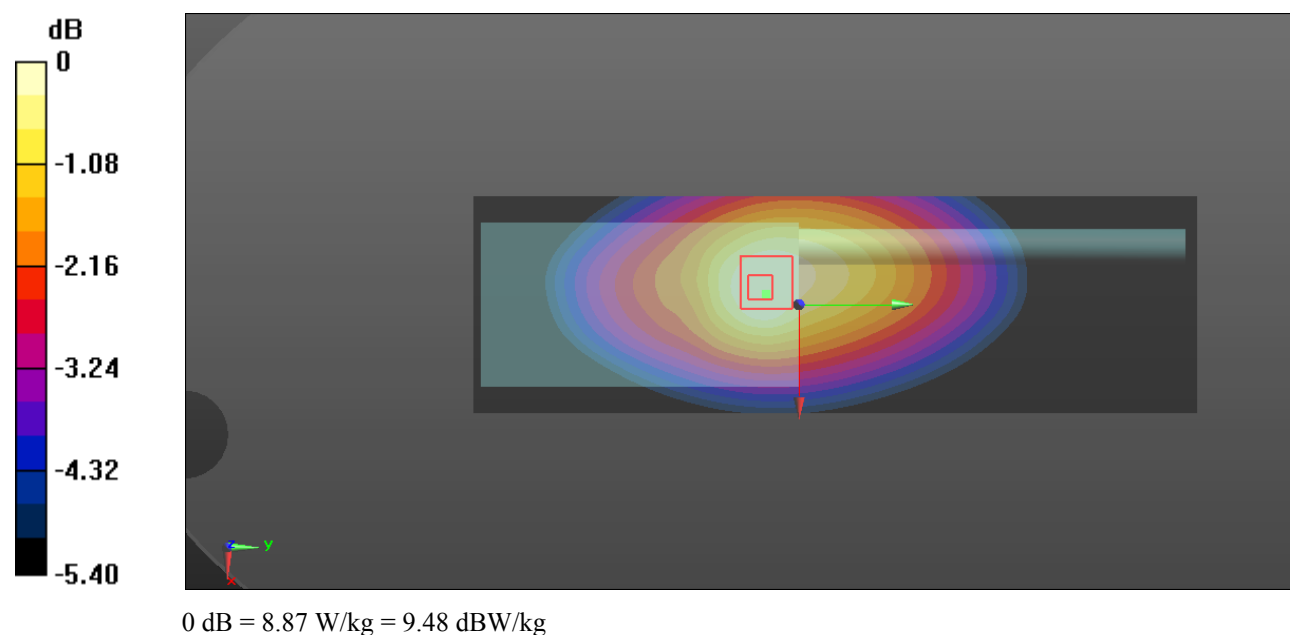
Communication System: FM; Frequency: 400.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 400.012 \text{ MHz}$; $\sigma = 0.871 \text{ S/m}$; $\epsilon_r = 45.162$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 9.39 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 101.1 V/m ; Power Drift = -0.13 dB Peak SAR (extrapolated) = 10.6 W/kg **SAR(1 g) = 8.5 W/kg ; SAR(10 g) = 6.69 W/kg** Maximum value of SAR (measured) = 8.87 W/kg 

Test Plot 24#: PTT_FM_25 kHz_ 418.6625 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

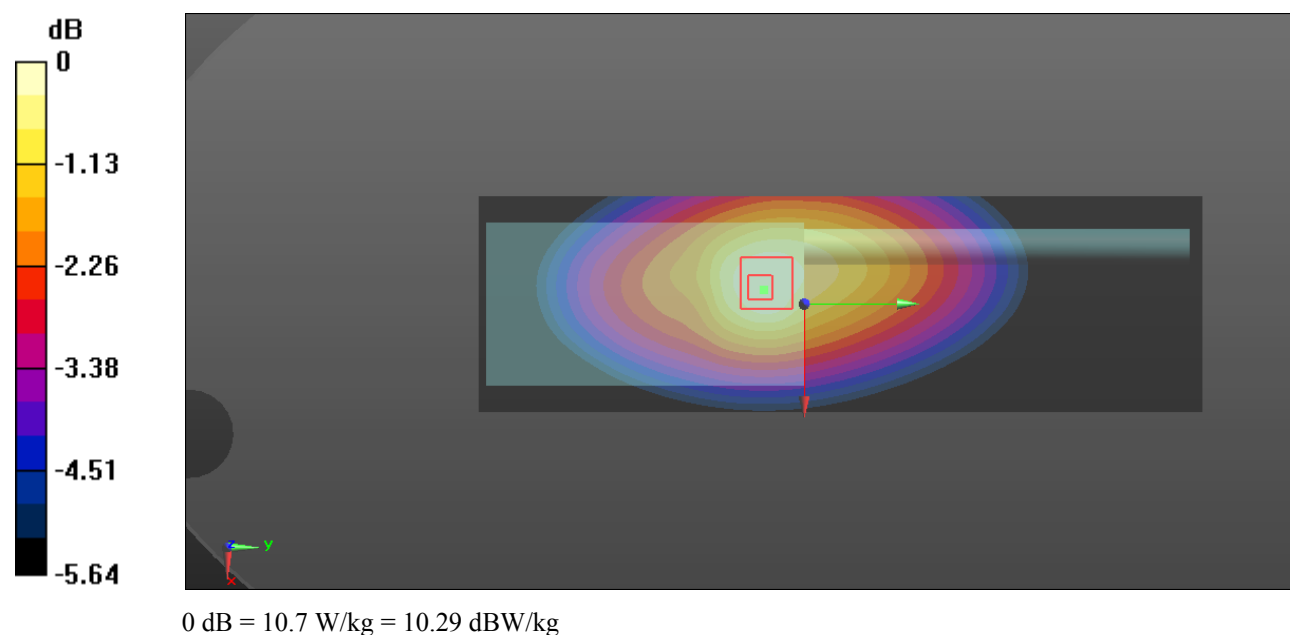
Communication System: FM ; Frequency: 418.662 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.874 \text{ S/m}$; $\epsilon_r = 44.713$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 10.9 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 104.9 V/m ; Power Drift = -0.13 dB Peak SAR (extrapolated) = 12.7 W/kg **SAR(1 g) = 10.1 W/kg ; SAR(10 g) = 7.86 W/kg** Maximum value of SAR (measured) = 10.7 W/kg 

Test Plot 25#: PTT_FM_25 kHz_ 437.3125 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

Communication System: FM; Frequency: 437.312 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 437.312 \text{ MHz}$; $\sigma = 0.887 \text{ S/m}$; $\epsilon_r = 44.212$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 437.312 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 12.1 W/kg

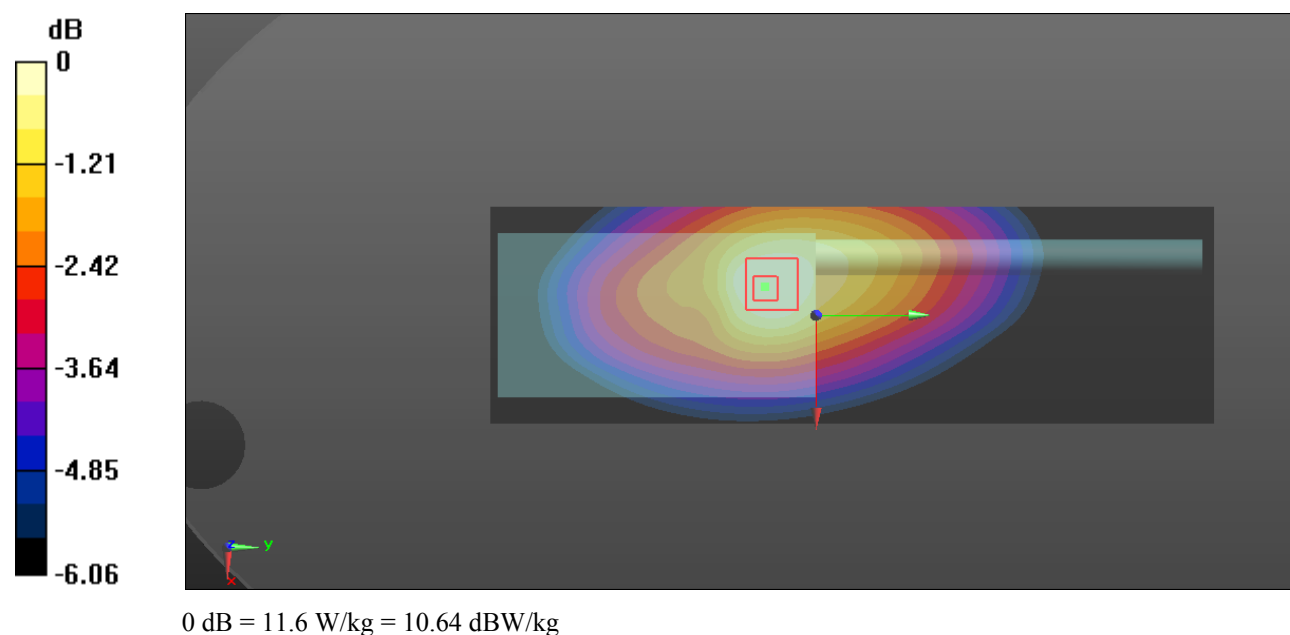
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 108.9 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 14.3 W/kg

SAR(1 g) = 10.9 W/kg; SAR(10 g) = 8.21 W/kg

Maximum value of SAR (measured) = 11.6 W/kg



Test Plot 26#: PTT_FM_25 kHz_ 455.9625 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

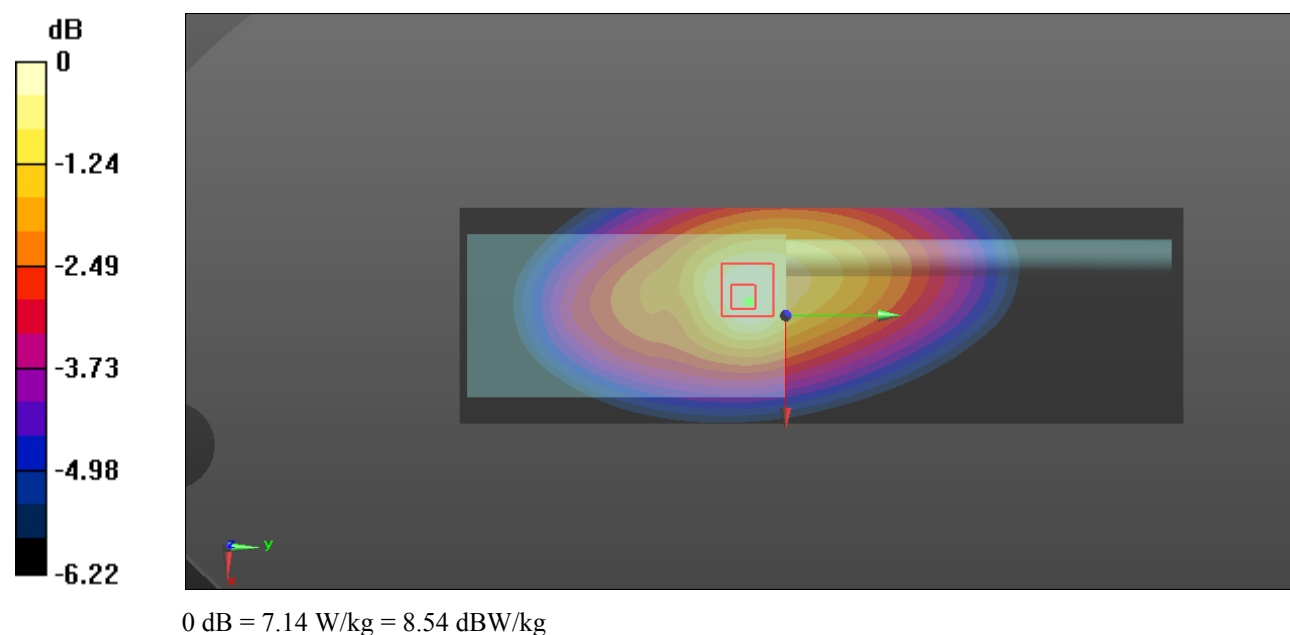
Communication System: FM; Frequency: 455.962 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 455.962 \text{ MHz}$; $\sigma = 0.882 \text{ S/m}$; $\epsilon_r = 43.425$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 455.962 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.29 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 84.19 V/m ; Power Drift = -0.12 dB Peak SAR (extrapolated) = 8.71 W/kg **SAR(1 g) = 6.76 W/kg ; SAR(10 g) = 5.11 W/kg** Maximum value of SAR (measured) = 7.14 W/kg 

Test Plot 27#: PTT_FM_25 kHz_ 474.6125 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

Communication System: FM; Frequency: 474.612 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 474.612$ MHz; $\sigma = 0.884$ S/m; $\epsilon_r = 43.164$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 474.612 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

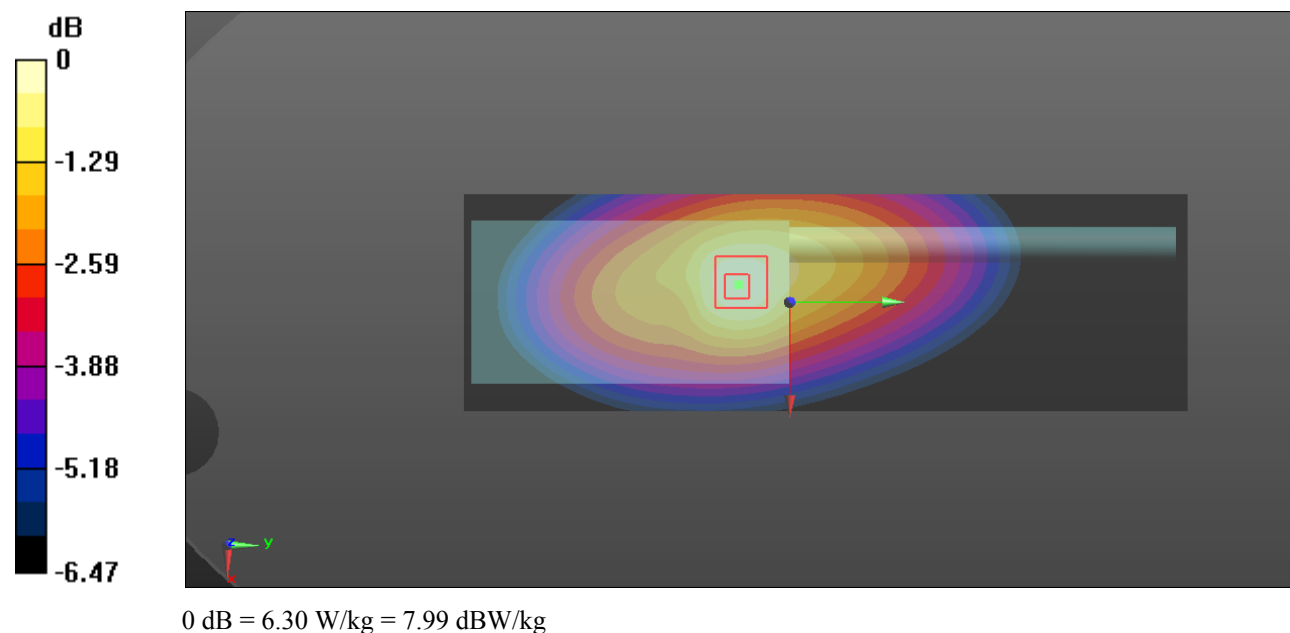
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 77.16 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 7.58 W/kg

SAR(1 g) = 5.9 W/kg; SAR(10 g) = 4.43 W/kg

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



Test Plot 28#: PTT_FM_25 kHz_ 493.2625 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

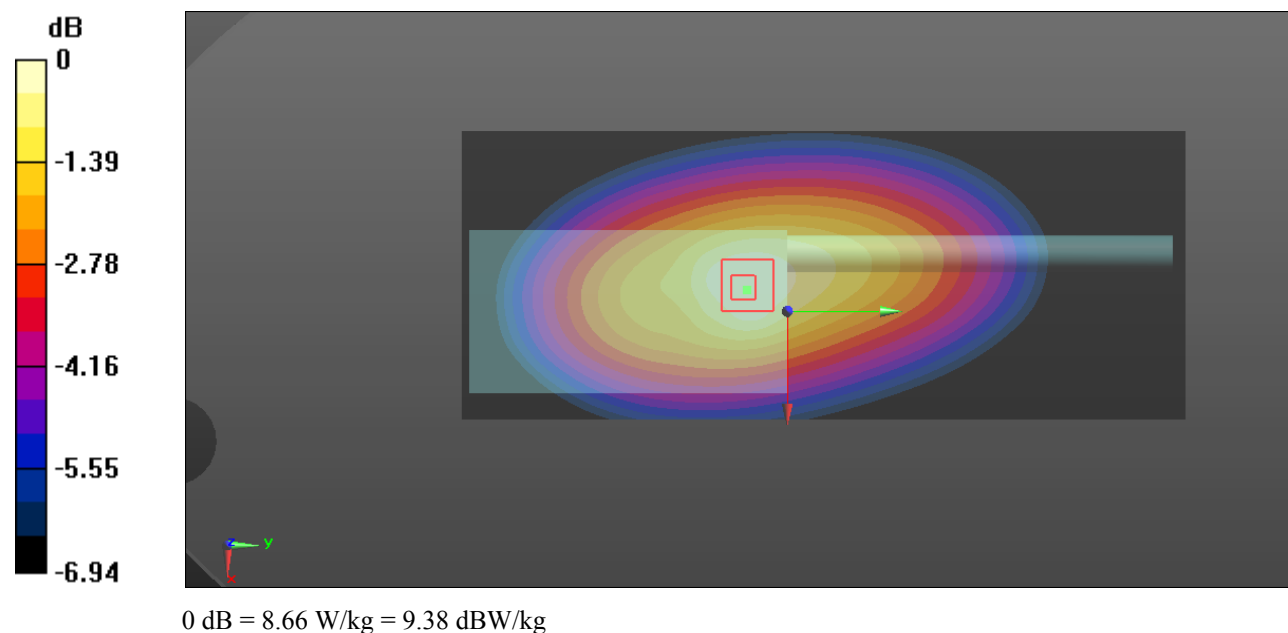
Communication System: FM; Frequency: 493.262 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 493.262 \text{ MHz}$; $\sigma = 0.896 \text{ S/m}$; $\epsilon_r = 43.261$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 493.262 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.92 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 92.74 V/m ; Power Drift = -0.13 dB Peak SAR (extrapolated) = 11.0 W/kg **SAR(1 g) = 8.15 W/kg ; SAR(10 g) = 6.06 W/kg** Maximum value of SAR (measured) = 8.66 W/kg 

Test Plot 29#: PTT_FM_25 kHz_ 511.9875 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

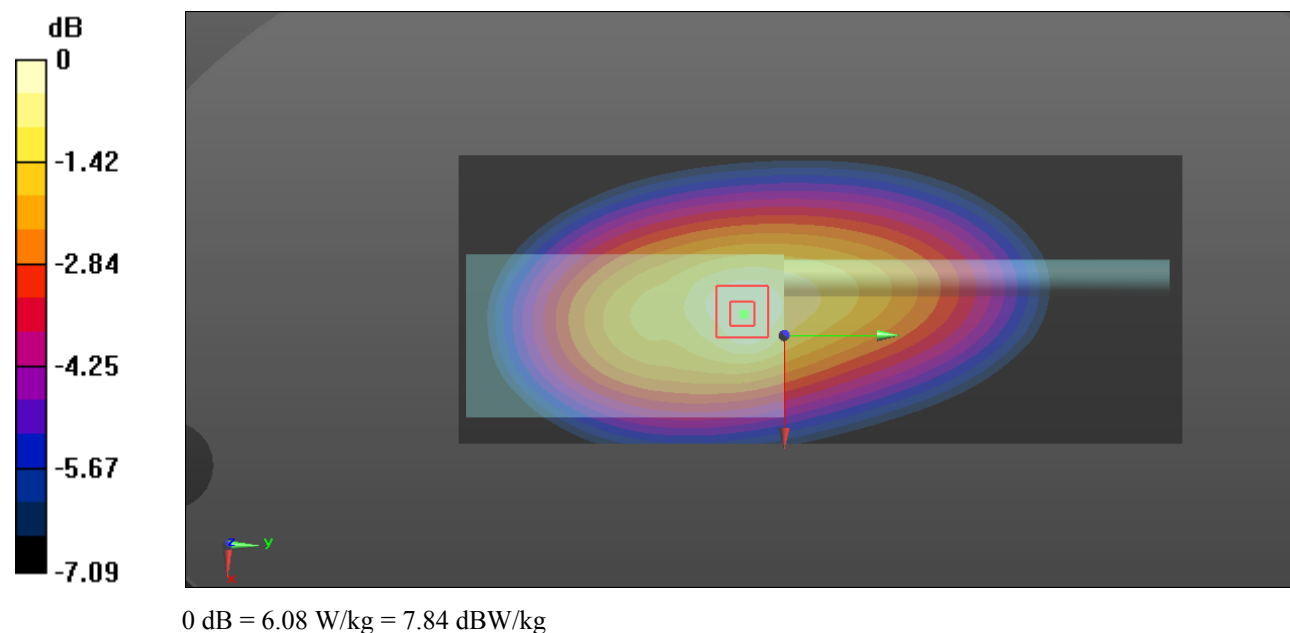
Communication System: FM; Frequency: 511.987 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 511.987 \text{ MHz}$; $\sigma = 0.879 \text{ S/m}$; $\epsilon_r = 42.627$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 511.987 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.20 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 75.97 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 7.79 W/kg **SAR(1 g) = 5.7 W/kg ; SAR(10 g) = 4.21 W/kg** Maximum value of SAR (measured) = 6.08 W/kg 

Test Plot 30#: PTT_4FSK_12.5 kHz_ 437.3125 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4220U; Serial: RDG200729008-SA-S1**

Communication System: 4FSK ; Frequency: 437.312 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 437.312 \text{ MHz}$; $\sigma = 0.887 \text{ S/m}$; $\epsilon_r = 44.212$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 437.312 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 5.63 W/kg

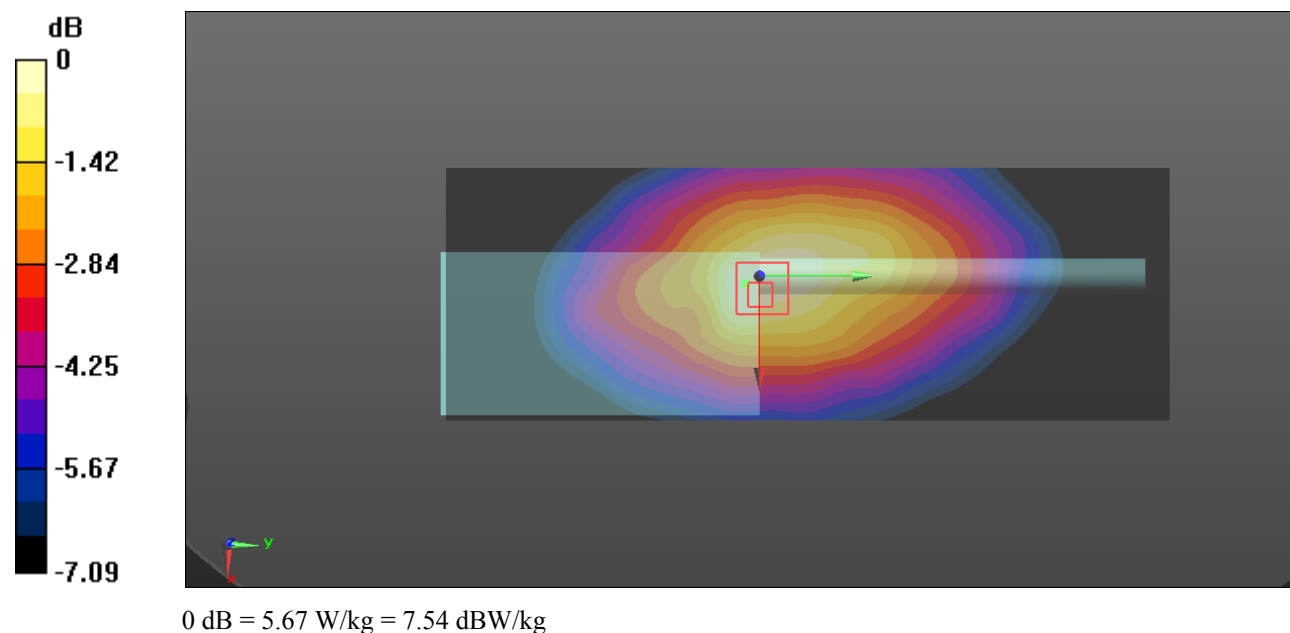
Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 77.96 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 7.12 W/kg

SAR(1 g) = 5.29 W/kg; SAR(10 g) = 4.02 W/kg

Maximum value of SAR (measured) = 5.67 W/kg



Test Plot 31#: PTT_FM_12.5 kHz_ 400.0125 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

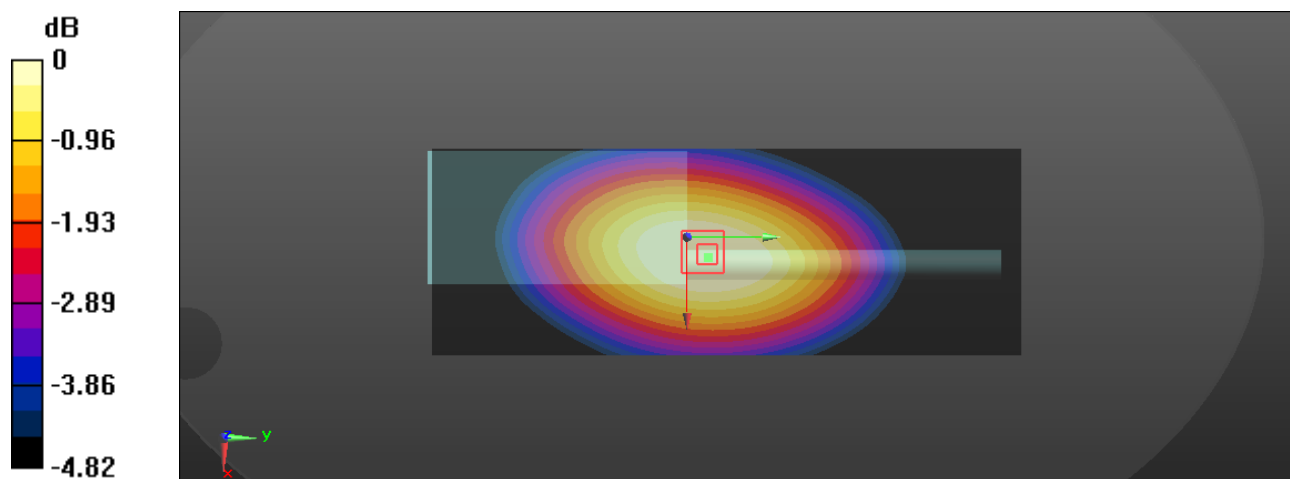
Communication System: FM; Frequency: 400.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 400.012 \text{ MHz}$; $\sigma = 0.873 \text{ S/m}$; $\epsilon_r = 44.838$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.02 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 91.91 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 7.54 W/kg **SAR(1 g) = 6.42 W/kg ; SAR(10 g) = 5.25 W/kg** Maximum value of SAR (measured) = 6.66 W/kg  $0 \text{ dB} = 6.66 \text{ W/kg} = 8.23 \text{ dBW/kg}$

Test Plot 32#: PTT_FM_12.5 kHz_ 418.6625 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

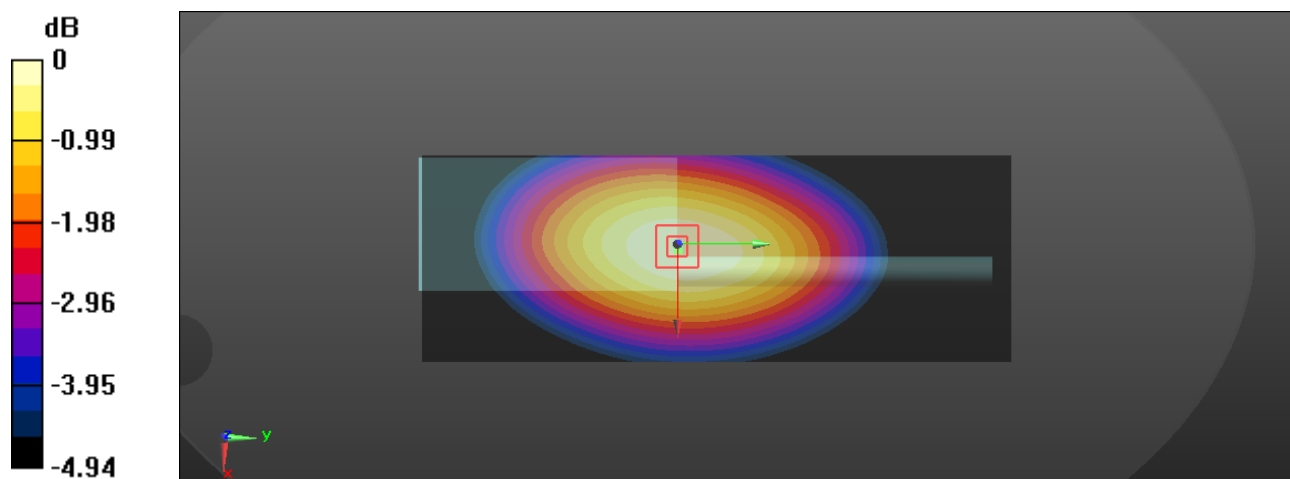
Communication System: FM; Frequency: 418.662 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.885 \text{ S/m}$; $\epsilon_r = 44.646$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.17 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 102.4 V/m ; Power Drift = -0.13 dB Peak SAR (extrapolated) = 8.98 W/kg **SAR(1 g) = 7.75 W/kg ; SAR(10 g) = 6.3 W/kg** Maximum value of SAR (measured) = 8.10 W/kg  $0 \text{ dB} = 8.10 \text{ W/kg} = 9.08 \text{ dBW/kg}$

Test Plot 33#: PTT_FM_12.5 kHz_ 437.3125 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

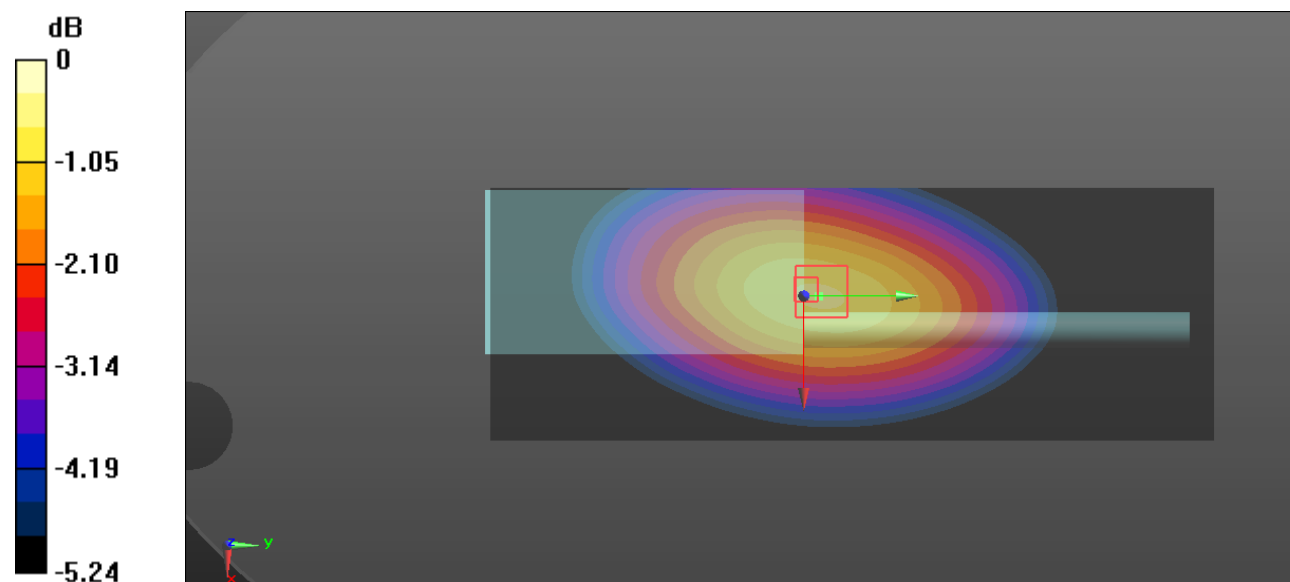
Communication System: FM; Frequency: 437.312 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 437.312 \text{ MHz}$; $\sigma = 0.892 \text{ S/m}$; $\epsilon_r = 44.149$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 437.312 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.81 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 100.8 V/m ; Power Drift = 0.01 dB Peak SAR (extrapolated) = 10.2 W/kg **SAR(1 g) = 8.63 W/kg ; SAR(10 g) = 6.96 W/kg** Maximum value of SAR (measured) = 9.06 W/kg  $0 \text{ dB} = 9.06 \text{ W/kg} = 9.57 \text{ dBW/kg}$

Test Plot 34#: PTT_FM_12.5 kHz_ 455.9625 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

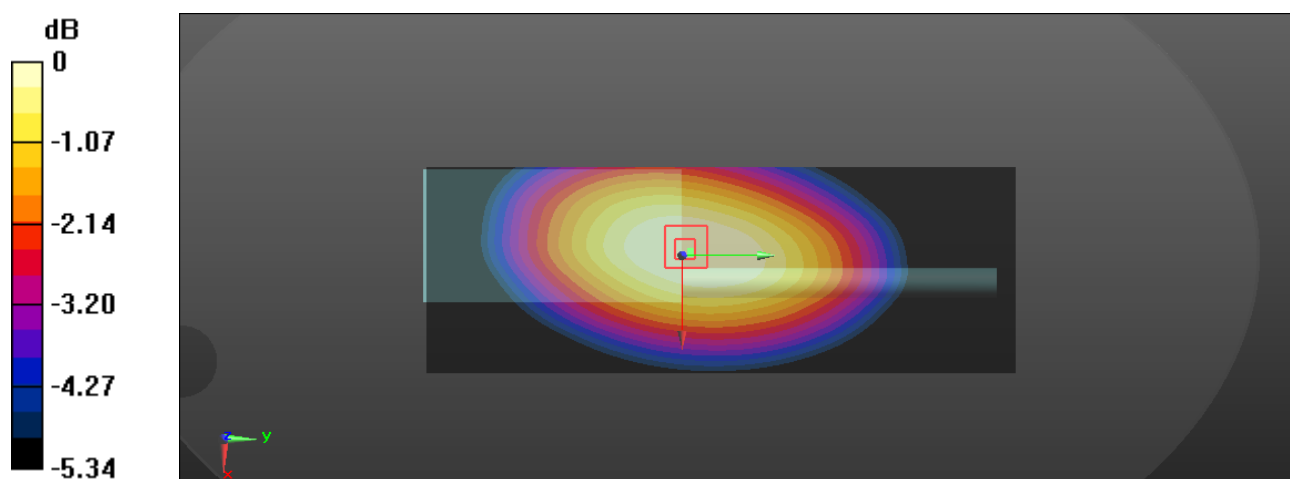
Communication System: FM; Frequency: 455.962 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 455.962 \text{ MHz}$; $\sigma = 0.889 \text{ S/m}$; $\epsilon_r = 43.075$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 455.962 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 5.39 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 82.46 V/m ; Power Drift = -0.18 dB Peak SAR (extrapolated) = 5.77 W/kg **SAR(1 g) = 4.94 W/kg ; SAR(10 g) = 3.99 W/kg** Maximum value of SAR (measured) = 5.14 W/kg  $0 \text{ dB} = 5.14 \text{ W/kg} = 7.11 \text{ dBW/kg}$

Test Plot 35#: PTT_FM_12.5 kHz_ 474.6125 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

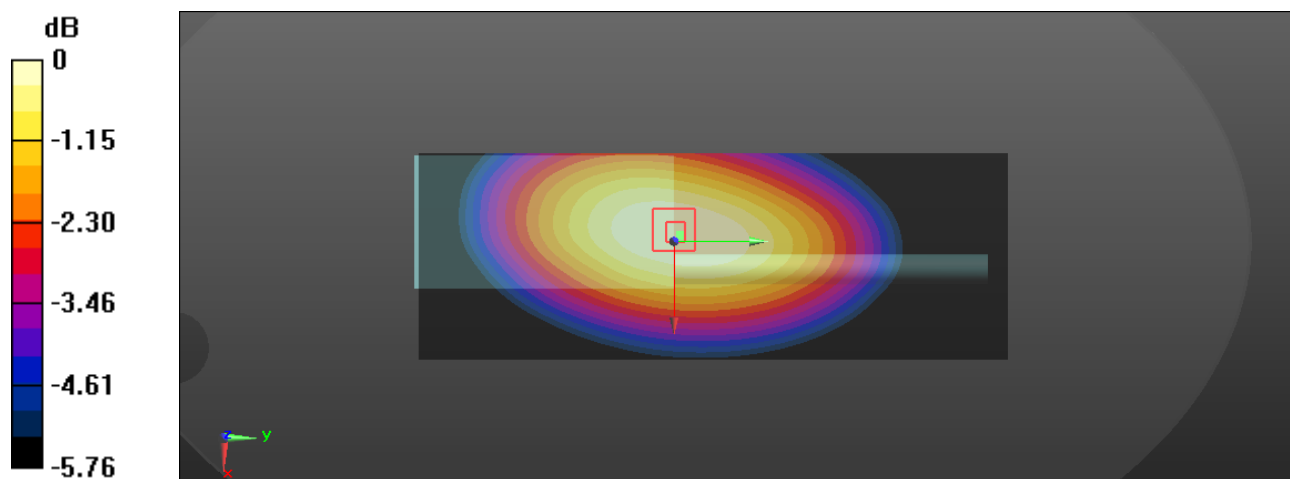
Communication System: FM; Frequency: 474.612 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 474.612 \text{ MHz}$; $\sigma = 0.894 \text{ S/m}$; $\epsilon_r = 43.094$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 474.612 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.17 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 72.88 V/m ; Power Drift = -0.05 dB Peak SAR (extrapolated) = 4.55 W/kg **SAR(1 g) = 3.93 W/kg ; SAR(10 g) = 3.17 W/kg** Maximum value of SAR (measured) = 4.11 W/kg  $0 \text{ dB} = 4.11 \text{ W/kg} = 6.14 \text{ dBW/kg}$

Test Plot 36#: PTT_FM_12.5 kHz_ 493.2625 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

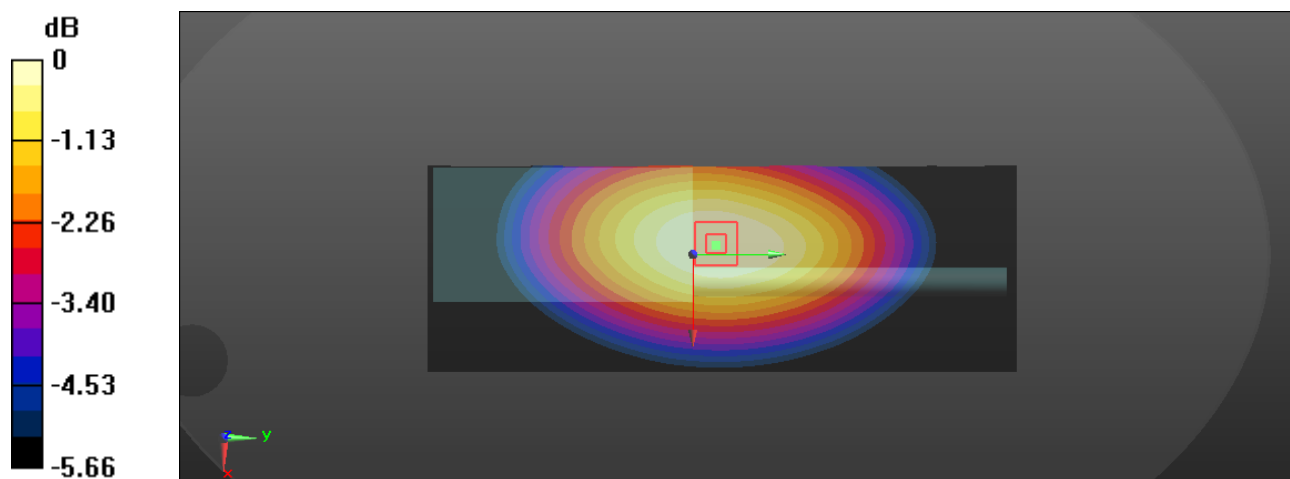
Communication System: FM; Frequency: 493.262 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 493.262 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 43.172$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 493.262 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.31 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 70.67 V/m ; Power Drift = -0.10 dB Peak SAR (extrapolated) = 4.72 W/kg **SAR(1 g) = 4.02 W/kg ; SAR(10 g) = 3.29 W/kg** Maximum value of SAR (measured) = 4.18 W/kg  $0 \text{ dB} = 4.18 \text{ W/kg} = 6.21 \text{ dBW/kg}$

Test Plot 37#: PTT_FM_12.5 kHz_ 511.9875 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

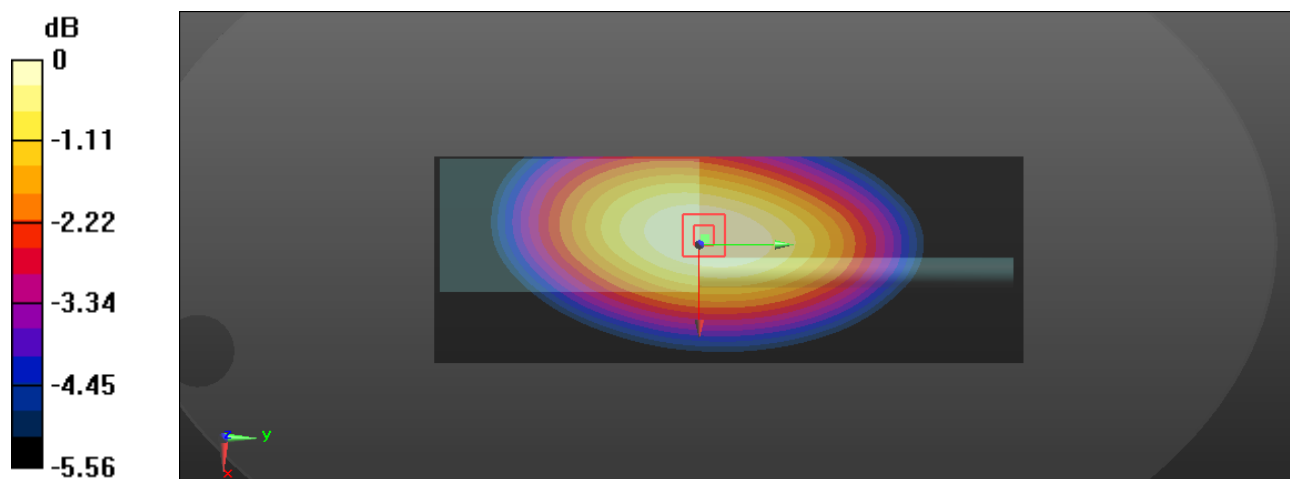
Communication System: FM; Frequency: 511.987 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 511.987 \text{ MHz}$; $\sigma = 0.884 \text{ S/m}$; $\epsilon_r = 42.252$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 511.987MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.83 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 67.74 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 4.26 W/kg **SAR(1 g) = 3.56 W/kg ; SAR(10 g) = 2.85 W/kg** Maximum value of SAR (measured) = 3.73 W/kg  $0 \text{ dB} = 3.73 \text{ W/kg} = 5.72 \text{ dBW/kg}$

Test Plot 38#: PTT_FM_25 kHz_ 400.0125 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.873$ S/m; $\epsilon_r = 44.838$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.40 W/kg

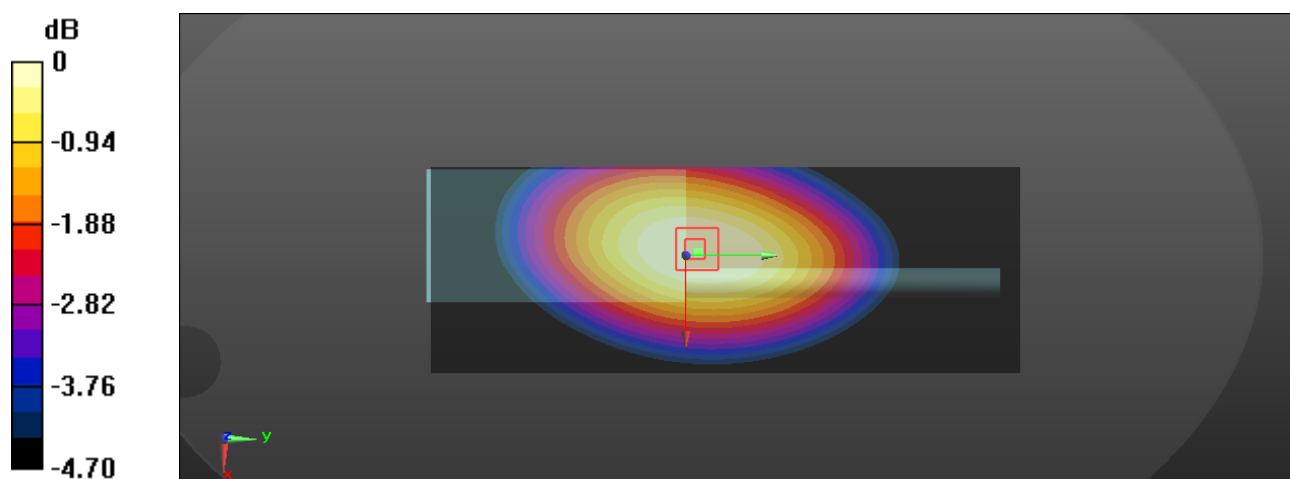
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 89.04 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 6.74 W/kg

SAR(1 g) = 5.9 W/kg; SAR(10 g) = 4.86 W/kg

Maximum value of SAR (measured) = 6.12 W/kg



0 dB = 6.12 W/kg = 7.87 dBW/kg

Test Plot 39#: PTT_FM_25 kHz_ 418.6625 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

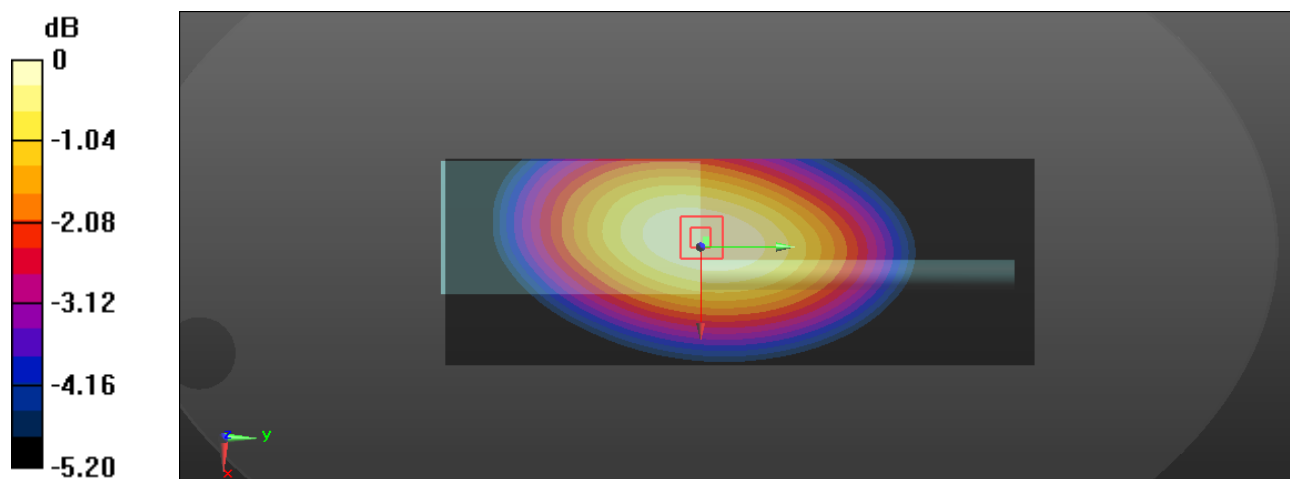
Communication System: FM; Frequency: 418.662 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.885 \text{ S/m}$; $\epsilon_r = 44.646$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.03 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 93.43 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 7.61 W/kg **SAR(1 g) = 6.65 W/kg ; SAR(10 g) = 5.41 W/kg** Maximum value of SAR (measured) = 6.91 W/kg  $0 \text{ dB} = 6.91 \text{ W/kg} = 8.39 \text{ dBW/kg}$

Test Plot 40#: PTT_FM_25 kHz_ 437.3125 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

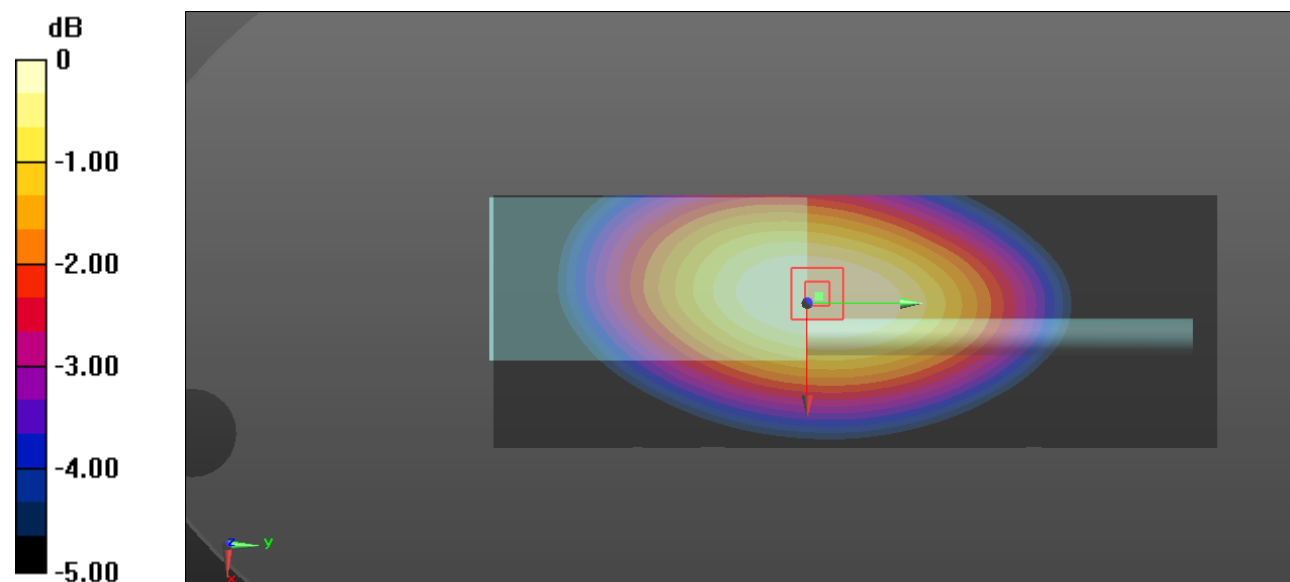
Communication System: FM; Frequency: 437.312 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 437.312 \text{ MHz}$; $\sigma = 0.892 \text{ S/m}$; $\epsilon_r = 44.149$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 437.312 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 9.16 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 111.5 V/m ; Power Drift = -0.12 dB Peak SAR (extrapolated) = 9.71 W/kg **SAR(1 g) = 8.47 W/kg ; SAR(10 g) = 6.89 W/kg** Maximum value of SAR (measured) = 8.81 W/kg  $0 \text{ dB} = 8.81 \text{ W/kg} = 9.45 \text{ dBW/kg}$

Test Plot 41#: PTT_FM_25 kHz_ 455.9625 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

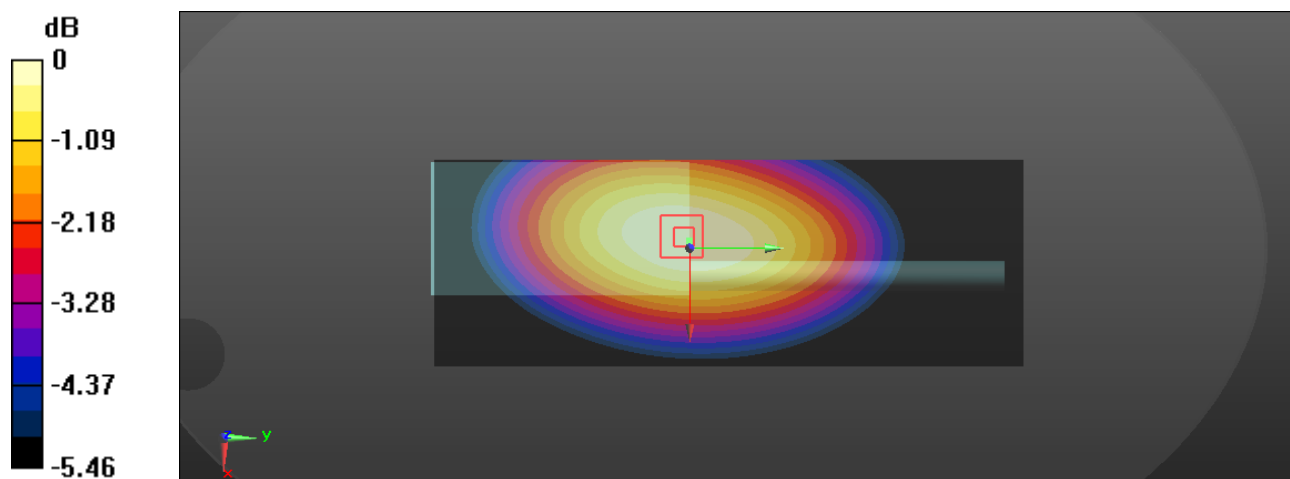
Communication System: FM; Frequency: 455.962 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 455.962 \text{ MHz}$; $\sigma = 0.889 \text{ S/m}$; $\epsilon_r = 43.075$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 455.962 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.79 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 76.44 V/m ; Power Drift = -0.15 dB Peak SAR (extrapolated) = 5.12 W/kg **SAR(1 g) = 4.47 W/kg ; SAR(10 g) = 3.62 W/kg** Maximum value of SAR (measured) = 4.65 W/kg  $0 \text{ dB} = 4.65 \text{ W/kg} = 6.67 \text{ dBW/kg}$

Test Plot 42#: PTT_FM_25 kHz_ 474.6125 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

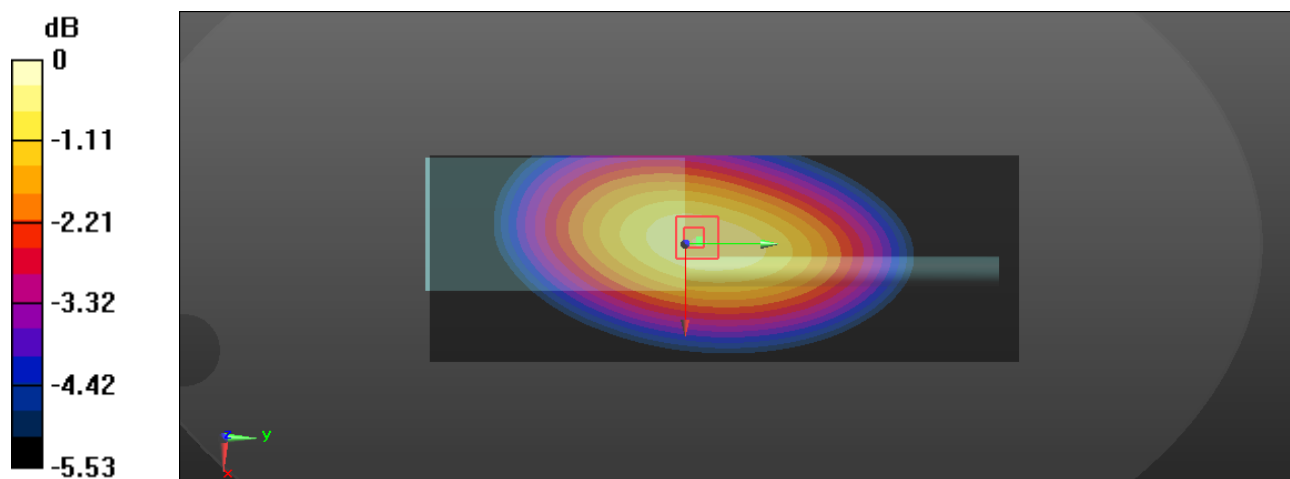
Communication System: FM; Frequency: 474.612 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 474.612 \text{ MHz}$; $\sigma = 0.894 \text{ S/m}$; $\epsilon_r = 43.094$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 474.612 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.95 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 68.57 V/m ; Power Drift = 0.01 dB Peak SAR (extrapolated) = 4.80 W/kg **SAR(1 g) = 4.14 W/kg ; SAR(10 g) = 3.35 W/kg** Maximum value of SAR (measured) = 4.29 W/kg  $0 \text{ dB} = 4.29 \text{ W/kg} = 6.32 \text{ dBW/kg}$

Test Plot 43#: PTT_FM_25 kHz_ 493.2625 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

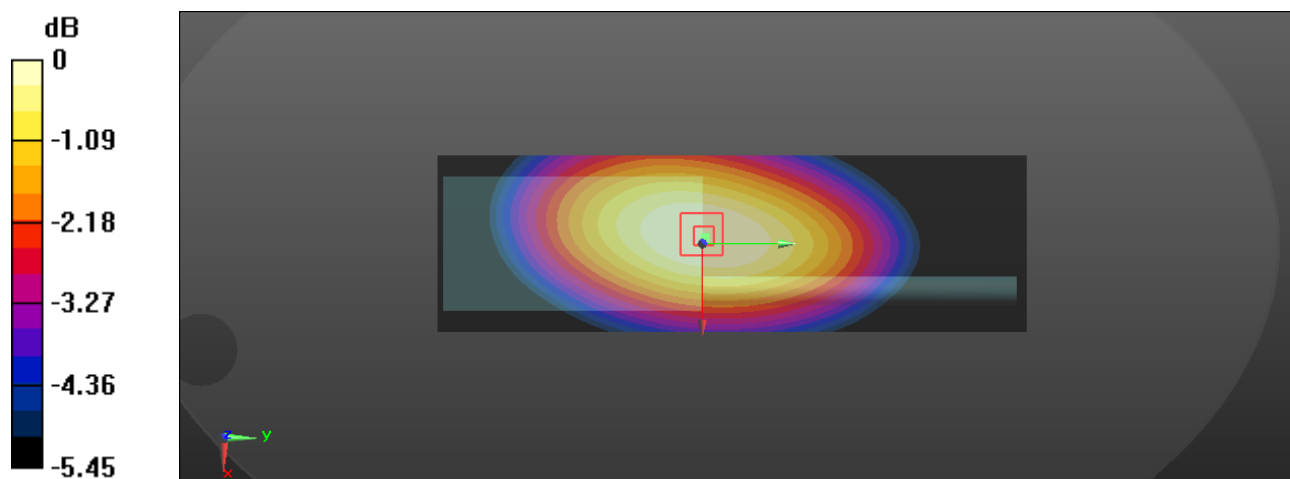
Communication System: FM; Frequency: 493.262 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 493.262 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 43.172$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 493.262 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.17 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 69.82 V/m ; Power Drift = -0.12 dB Peak SAR (extrapolated) = 4.55 W/kg **SAR(1 g) = 3.87 W/kg ; SAR(10 g) = 3.11 W/kg** Maximum value of SAR (measured) = 4.03 W/kg  $0 \text{ dB} = 4.03 \text{ W/kg} = 6.05 \text{ dBW/kg}$

Test Plot 44#: PTT_FM_25 kHz_ 511.9875 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

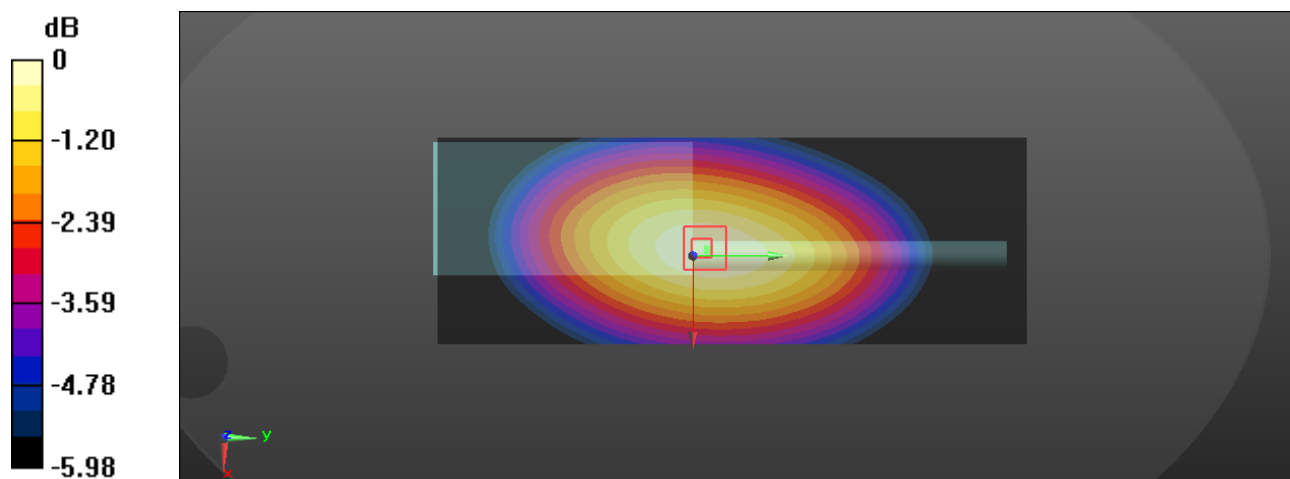
Communication System: FM; Frequency: 511.987 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 511.987 \text{ MHz}$; $\sigma = 0.884 \text{ S/m}$; $\epsilon_r = 42.252$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 511.987 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.64 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 64.70 V/m ; Power Drift = -0.13 dB Peak SAR (extrapolated) = 4.17 W/kg **SAR(1 g) = 3.49 W/kg ; SAR(10 g) = 2.78 W/kg** Maximum value of SAR (measured) = 3.67 W/kg  $0 \text{ dB} = 3.67 \text{ W/kg} = 5.65 \text{ dBW/kg}$

Test Plot 45#: PTT_4FSK_12.5 kHz_ 437.3125 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

Communication System: 4FSK; Frequency: 437.312 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 437.312$ MHz; $\sigma = 0.892$ S/m; $\epsilon_r = 44.149$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 437.312 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

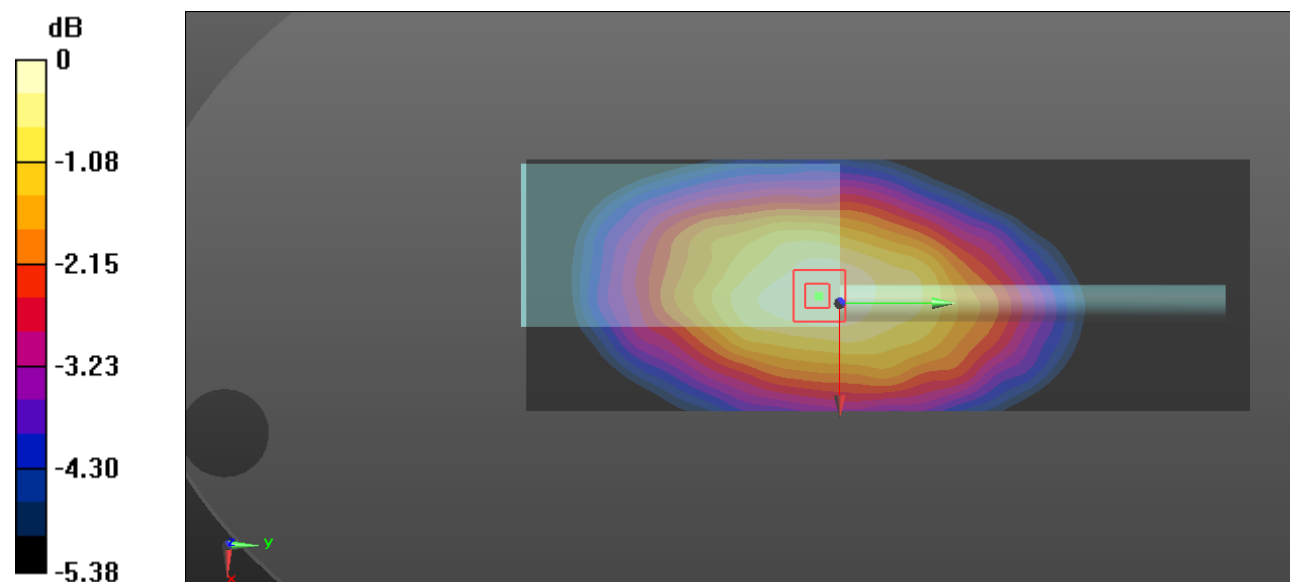
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 70.82 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 4.81 W/kg

SAR(1 g) = 3.91 W/kg; SAR(10 g) = 3.15 W/kg

Maximum value of SAR (measured) = 4.24 W/kg



0 dB = 4.24 W/kg = 6.27 dBW/kg

Test Plot 46#: PTT_FM_12.5 kHz_ 400.0125 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

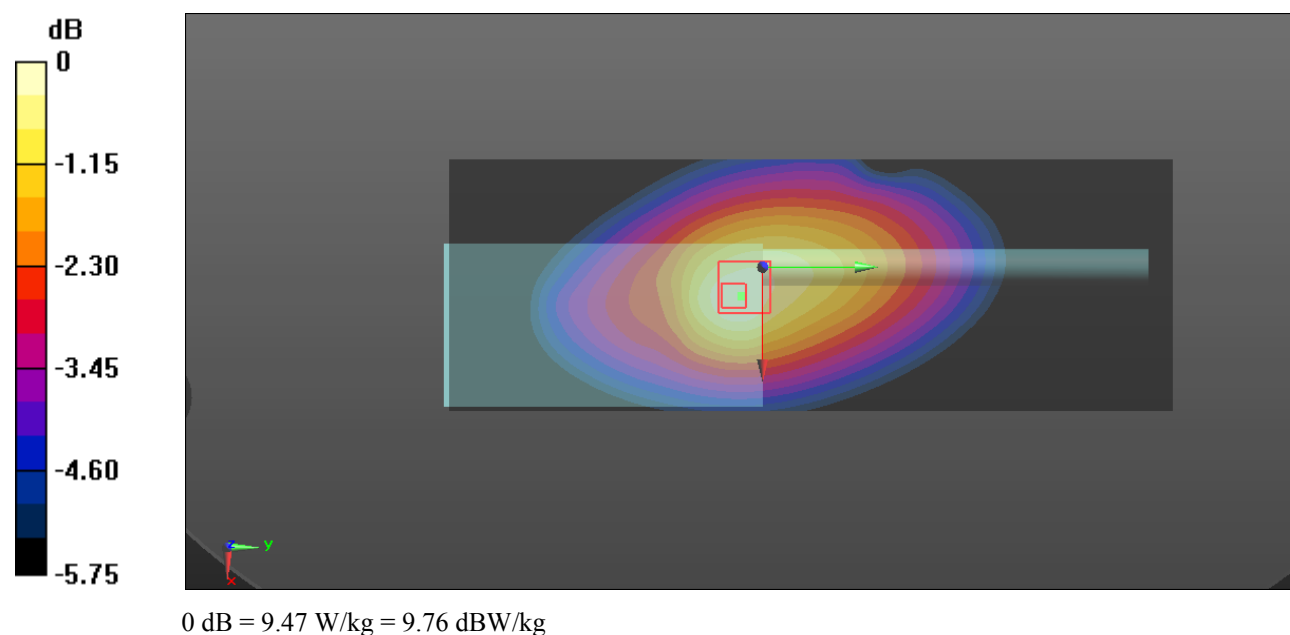
Communication System: FM; Frequency: 400.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 400.012 \text{ MHz}$; $\sigma = 0.873 \text{ S/m}$; $\epsilon_r = 44.838$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 9.79 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 106.2 V/m ; Power Drift = -0.12 dB Peak SAR (extrapolated) = 11.6 W/kg **SAR(1 g) = 9.1 W/kg ; SAR(10 g) = 7.04 W/kg** Maximum value of SAR (measured) = 9.47 W/kg 

Test Plot 47#: PTT_FM_12.5 kHz_ 418.6625 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

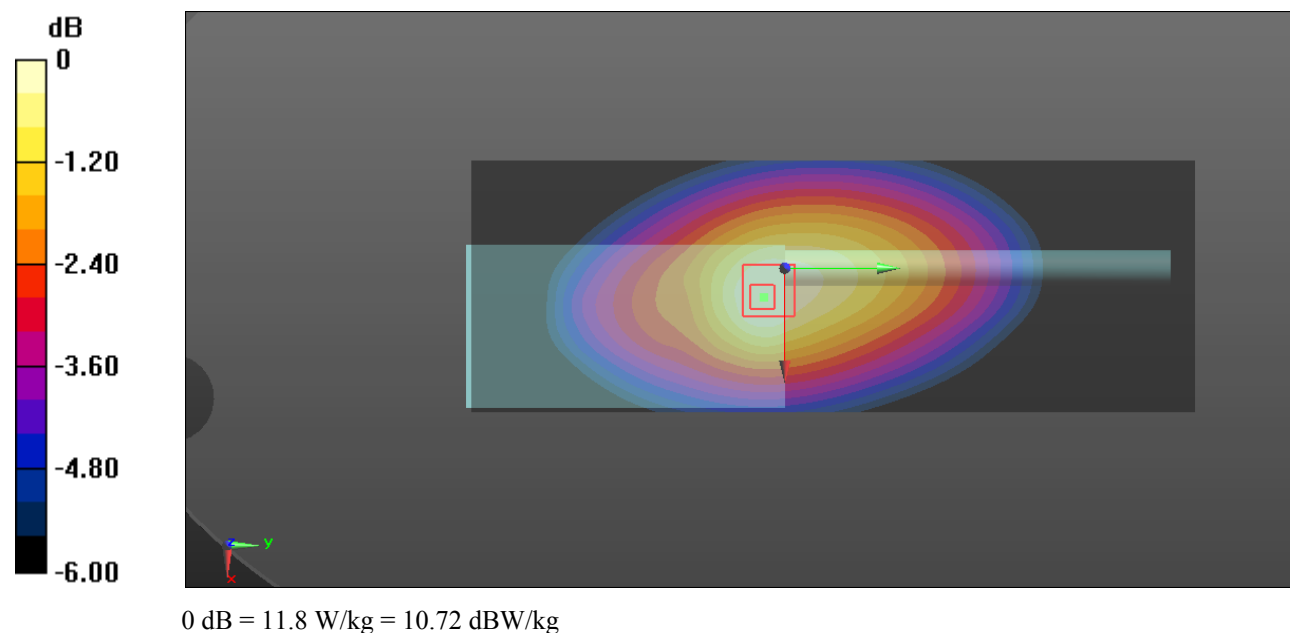
Communication System: FM; Frequency: 418.662 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.885 \text{ S/m}$; $\epsilon_r = 44.646$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 12.9 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 121.2 V/m ; Power Drift = -0.10 dB Peak SAR (extrapolated) = 14.6 W/kg **SAR(1 g) = 11.2 W/kg ; SAR(10 g) = 8.57 W/kg** Maximum value of SAR (measured) = 11.8 W/kg 

Test Plot 48#: PTT_FM_12.5 kHz_ 437.3125 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

Communication System: FM; Frequency: 437.312 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 437.312 \text{ MHz}$; $\sigma = 0.892 \text{ S/m}$; $\epsilon_r = 44.149$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 437.312 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 11.9 W/kg

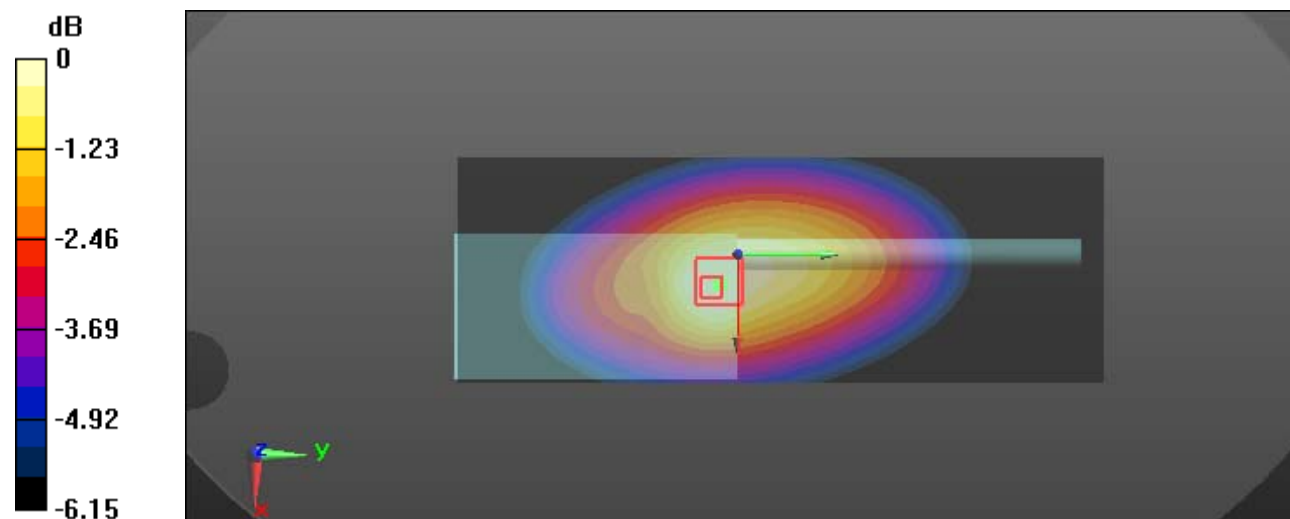
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 115.0 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 13.7 W/kg

SAR(1 g) = 10.6 W/kg; SAR(10 g) = 8.07 W/kg

Maximum value of SAR (measured) = 11.1 W/kg

 $0 \text{ dB} = 11.1 \text{ W/kg} = 10.45 \text{ dBW/kg}$

Test Plot 49#: PTT_FM_12.5 kHz_ 455.9625 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

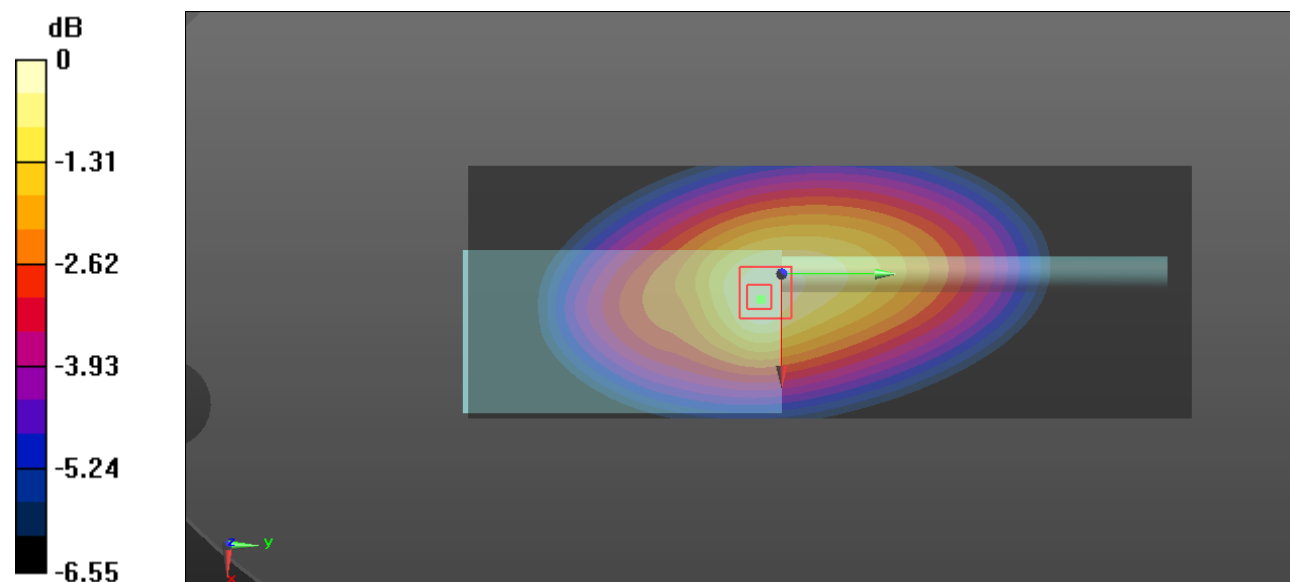
Communication System: FM; Frequency: 455.962 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 455.962 \text{ MHz}$; $\sigma = 0.889 \text{ S/m}$; $\epsilon_r = 43.075$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 455.962 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.43 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 89.17 V/m ; Power Drift = -0.16 dB Peak SAR (extrapolated) = 8.90 W/kg **SAR(1 g) = 6.83 W/kg ; SAR(10 g) = 5.14 W/kg** Maximum value of SAR (measured) = 7.25 W/kg 0 dB = 7.25 W/kg = 8.60 dBW/kg

Test Plot 50#: PTT_FM_12.5 kHz_ 474.6125 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

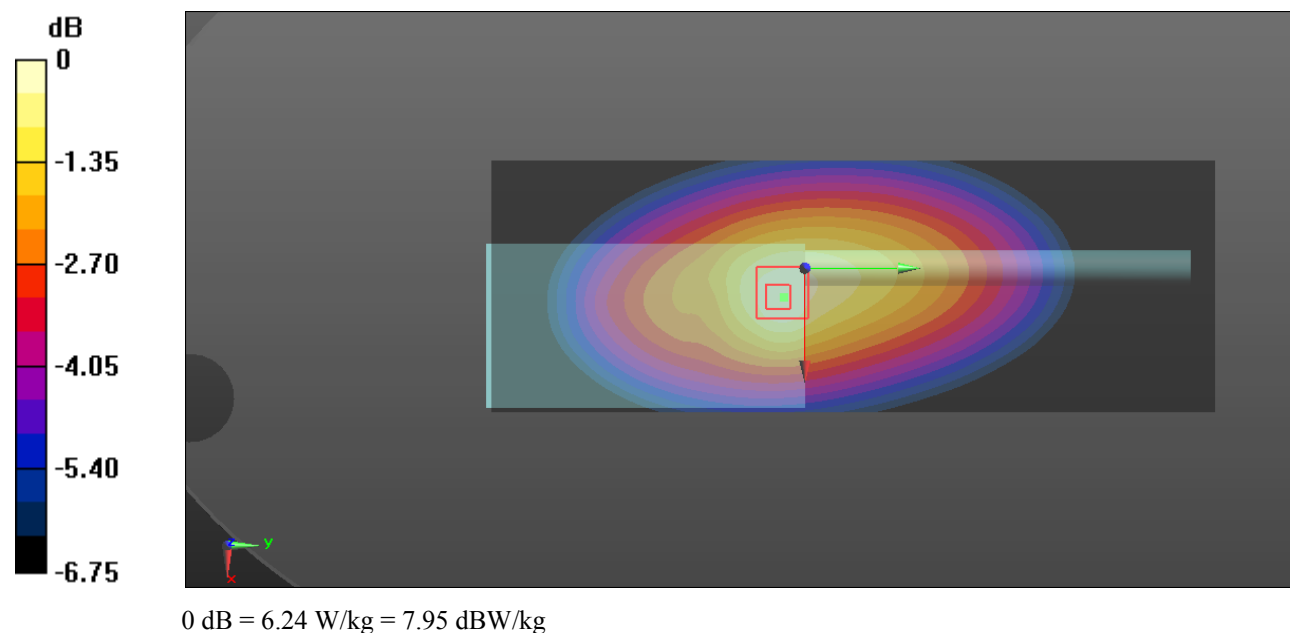
Communication System: FM; Frequency: 474.612 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 474.612 \text{ MHz}$; $\sigma = 0.894 \text{ S/m}$; $\epsilon_r = 43.094$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 474.612 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.43 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 80.56 V/m ; Power Drift = -0.13 dB Peak SAR (extrapolated) = 7.72 W/kg **SAR(1 g) = 5.91 W/kg ; SAR(10 g) = 4.41 W/kg** Maximum value of SAR (measured) = 6.24 W/kg 

Test Plot 51#: PTT_FM_12.5 kHz_ 493.2625 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

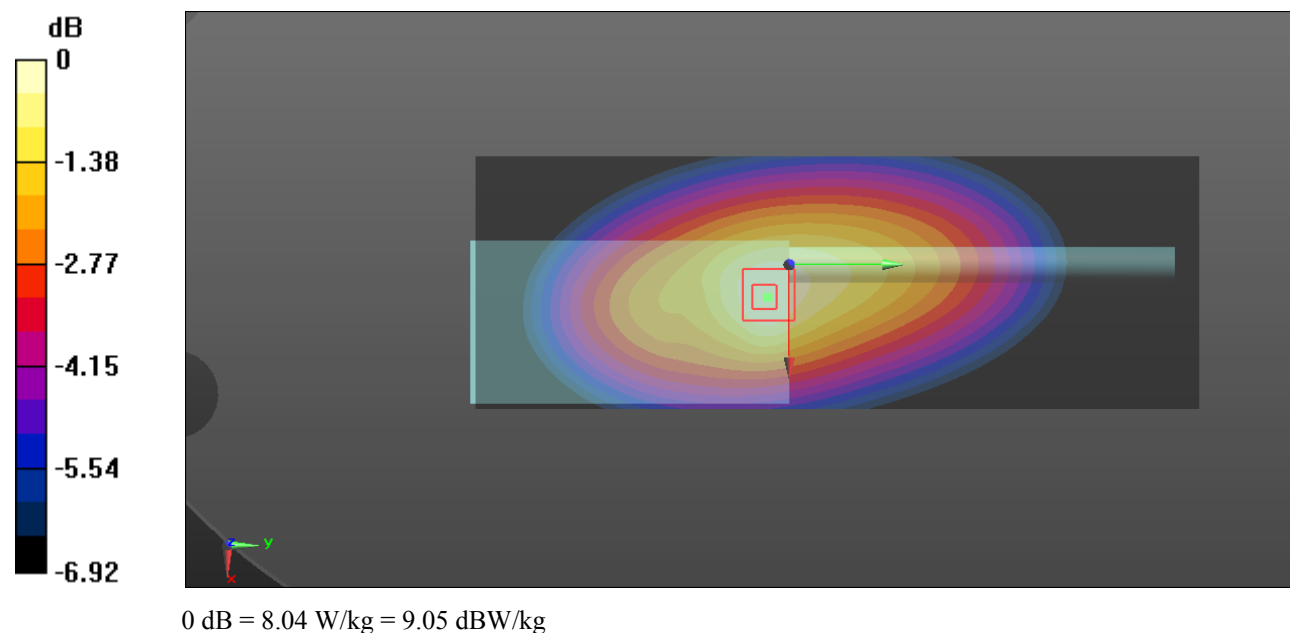
Communication System: FM; Frequency: 493.262 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 493.262 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 43.172$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 493.262 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.65 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 92.17 V/m ; Power Drift = -0.10 dB Peak SAR (extrapolated) = 10.1 W/kg **SAR(1 g) = 7.57 W/kg ; SAR(10 g) = 5.6 W/kg** Maximum value of SAR (measured) = 8.04 W/kg 

Test Plot 52#: PTT_FM_12.5 kHz_ 511.9875 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

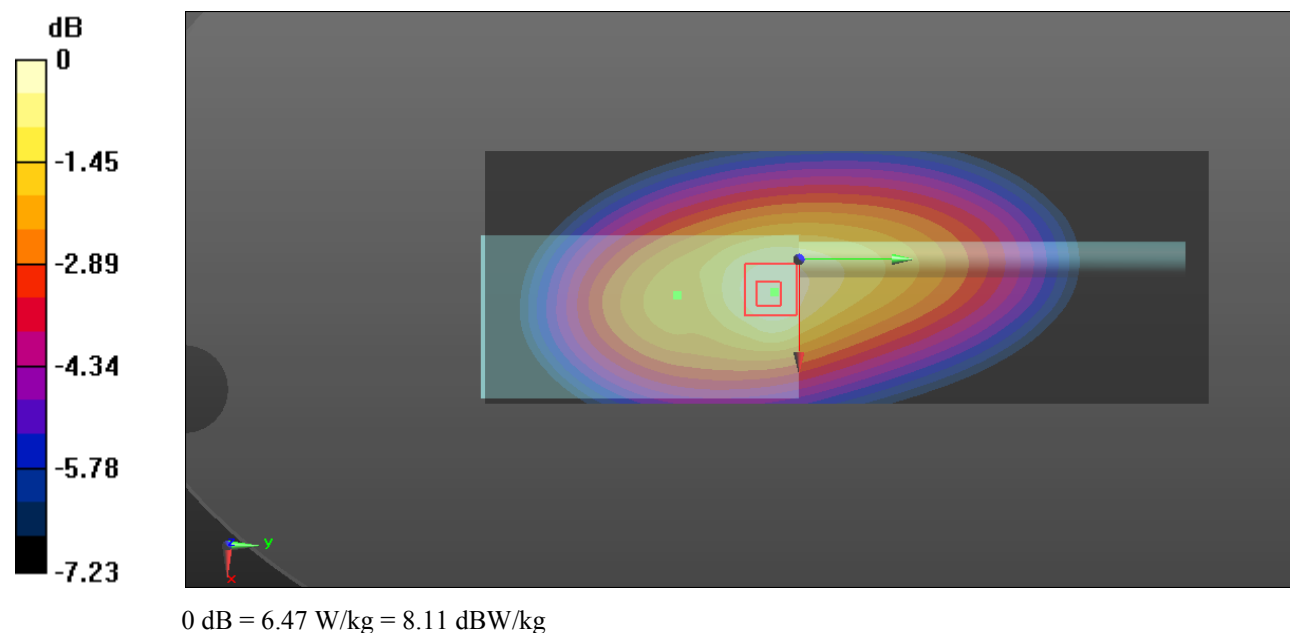
Communication System: FM; Frequency: 511.987 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 511.987 \text{ MHz}$; $\sigma = 0.884 \text{ S/m}$; $\epsilon_r = 42.252$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 511.987 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.87 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 81.97 V/m ; Power Drift = -0.19 dB Peak SAR (extrapolated) = 8.26 W/kg **SAR(1 g) = 6.09 W/kg ; SAR(10 g) = 4.46 W/kg** Maximum value of SAR (measured) = 6.47 W/kg 

Test Plot 53#: PTT_FM_25 kHz_ 400.0125 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.873$ S/m; $\epsilon_r = 44.838$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.60 W/kg

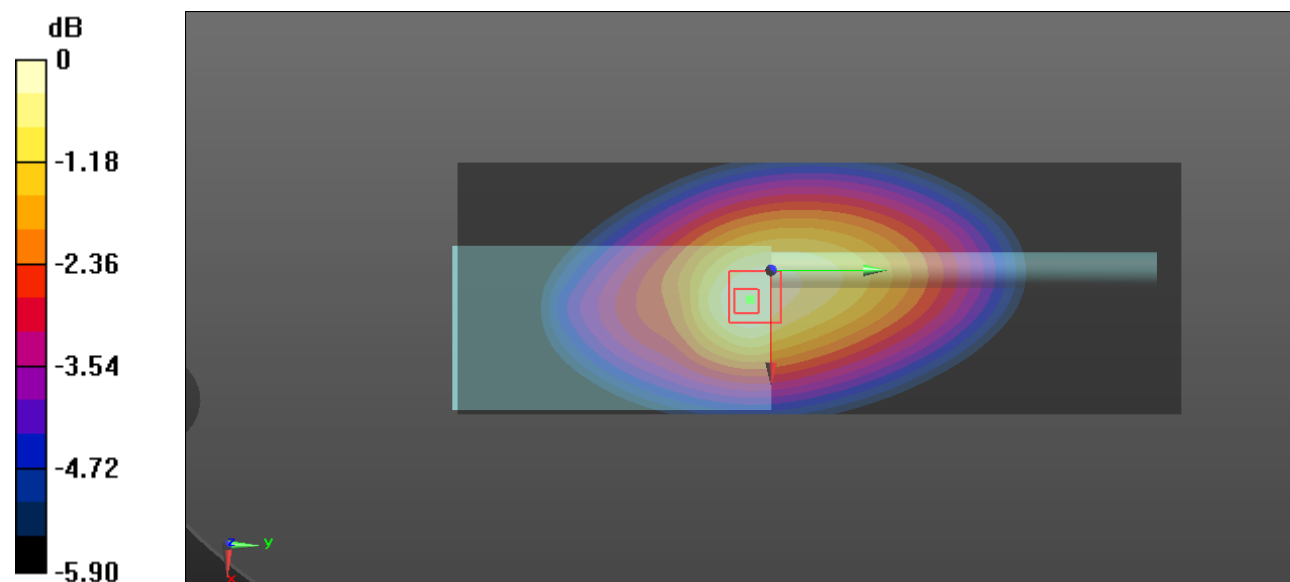
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 99.67 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 11.4 W/kg

SAR(1 g) = 8.71 W/kg; SAR(10 g) = 6.68 W/kg

Maximum value of SAR (measured) = 9.15 W/kg



0 dB = 9.15 W/kg = 9.61 dBW/kg

Test Plot 54#: PTT_FM_25 kHz_ 418.6625 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

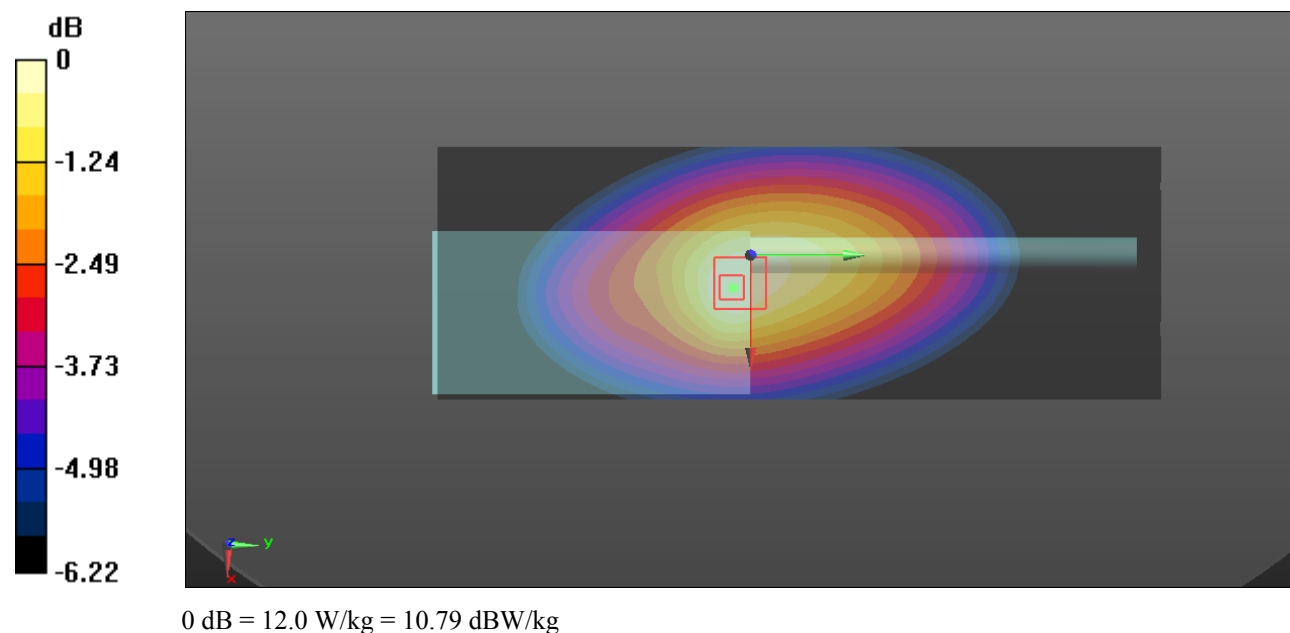
Communication System: FM; Frequency: 418.662 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.885 \text{ S/m}$; $\epsilon_r = 44.646$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 12.6 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 116.2 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 14.8 W/kg **SAR(1 g) = 11.3 W/kg ; SAR(10 g) = 8.6 W/kg** Maximum value of SAR (measured) = 12.0 W/kg 

Test Plot 55#: PTT_FM_25 kHz_ 437.3125 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

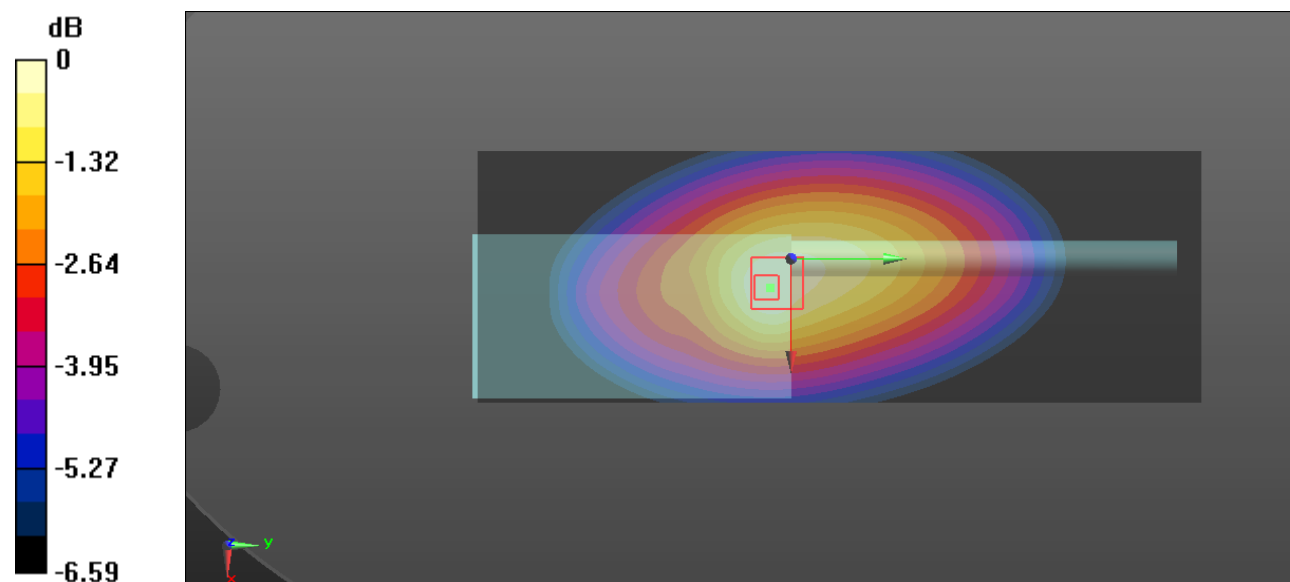
Communication System: FM; Frequency: 437.312 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 437.312 \text{ MHz}$; $\sigma = 0.892 \text{ S/m}$; $\epsilon_r = 44.149$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 437.312 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 11.4 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 110.3 V/m ; Power Drift = -0.12 dB Peak SAR (extrapolated) = 13.5 W/kg **SAR(1 g) = 10.2 W/kg ; SAR(10 g) = 7.69 W/kg** Maximum value of SAR (measured) = 10.9 W/kg 0 dB = 10.9 W/kg = 10.37 dBW/kg

Test Plot 56#: PTT_FM_25 kHz_ 455.9625 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

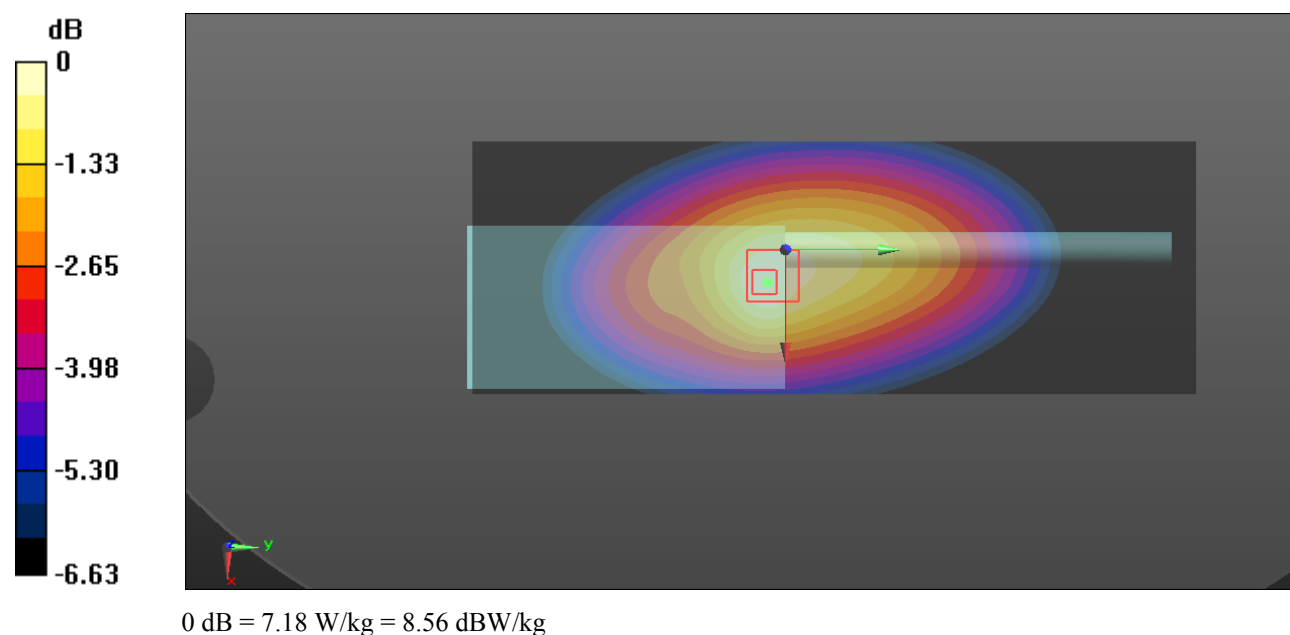
Communication System: FM; Frequency: 455.962 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 455.962 \text{ MHz}$; $\sigma = 0.889 \text{ S/m}$; $\epsilon_r = 43.075$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 455.962 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.49 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 88.54 V/m ; Power Drift = -0.10 dB Peak SAR (extrapolated) = 8.77 W/kg **SAR(1 g) = 6.76 W/kg ; SAR(10 g) = 5.1 W/kg** Maximum value of SAR (measured) = 7.18 W/kg 

Test Plot 57#: PTT_FM_25 kHz_ 474.6125 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

Communication System: FM; Frequency: 474.612 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 474.612$ MHz; $\sigma = 0.894$ S/m; $\epsilon_r = 43.094$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 474.612 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.31 W/kg

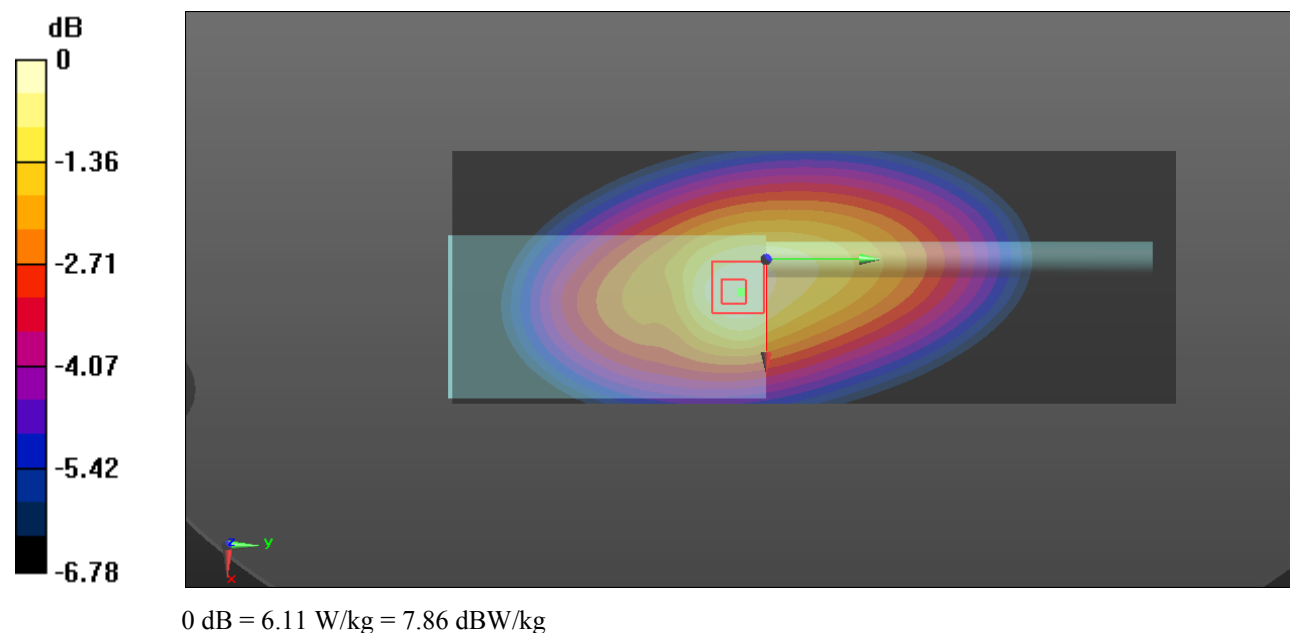
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 80.03 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 7.55 W/kg

SAR(1 g) = 5.82 W/kg; SAR(10 g) = 4.36 W/kg

Maximum value of SAR (measured) = 6.11 W/kg



Test Plot 58#: PTT_FM_25 kHz_ 493.2625 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

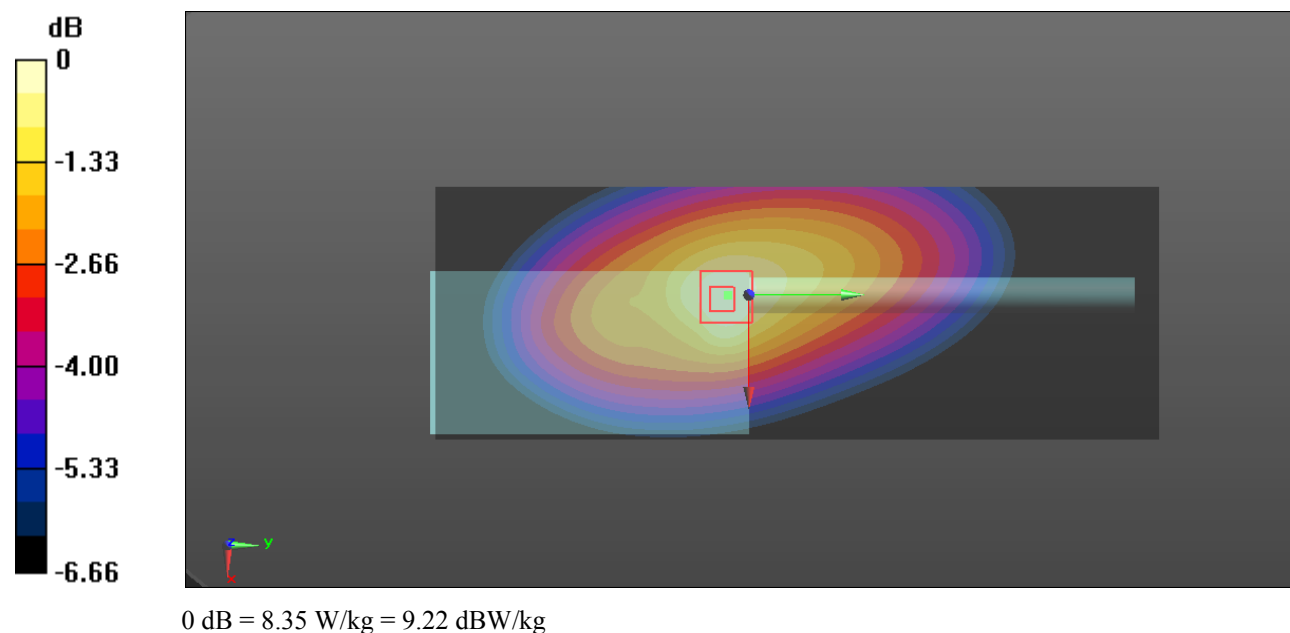
Communication System: FM; Frequency: 493.262 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 493.262 \text{ MHz}$; $\sigma = 0.899 \text{ S/m}$; $\epsilon_r = 43.172$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 493.262 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.72 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 98.72 V/m ; Power Drift = -0.18 dB Peak SAR (extrapolated) = 10.5 W/kg **SAR(1 g) = 7.93 W/kg ; SAR(10 g) = 5.88 W/kg** Maximum value of SAR (measured) = 8.35 W/kg 

Test Plot 59#: PTT_FM_25 kHz_ 511.9875 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

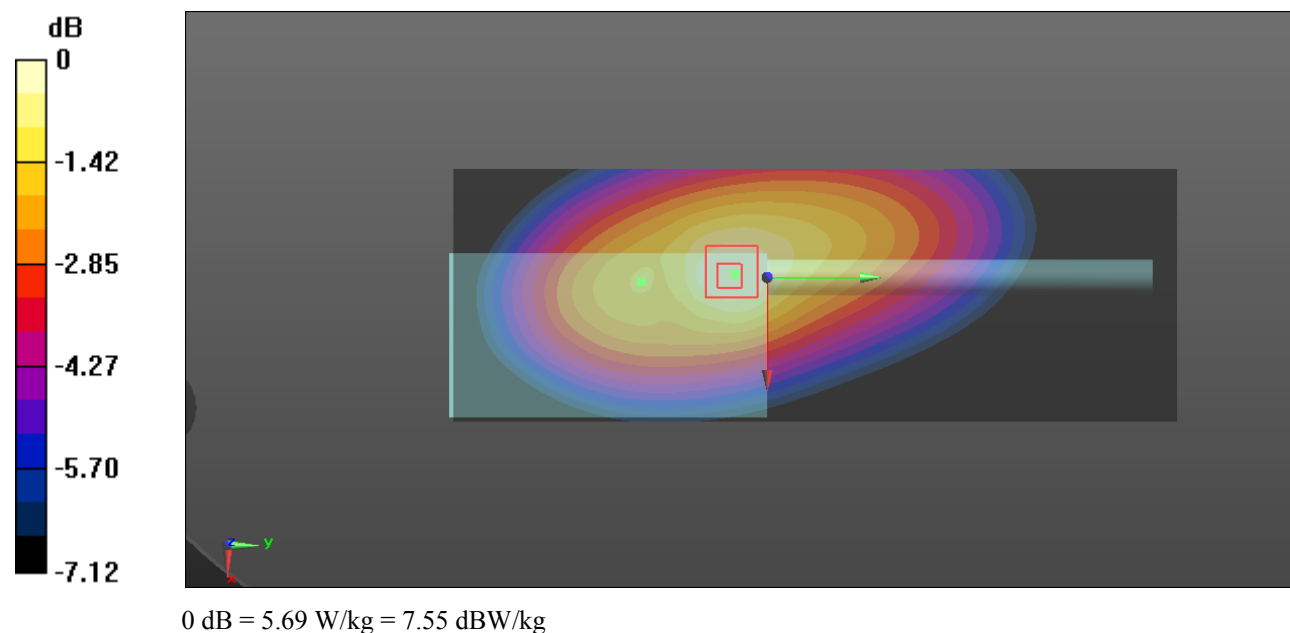
Communication System: FM; Frequency: 511.987 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 511.987 \text{ MHz}$; $\sigma = 0.884 \text{ S/m}$; $\epsilon_r = 42.252$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 511.987 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.04 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 78.51 V/m ; Power Drift = -0.10 dB Peak SAR (extrapolated) = 7.17 W/kg **SAR(1 g) = 5.34 W/kg ; SAR(10 g) = 3.91 W/kg** Maximum value of SAR (measured) = 5.69 W/kg 

Test Plot 60#: PTT_4FSK_12.5 kHz_ 418.6625 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4250U; Serial: RDG200729008-SA-S2**

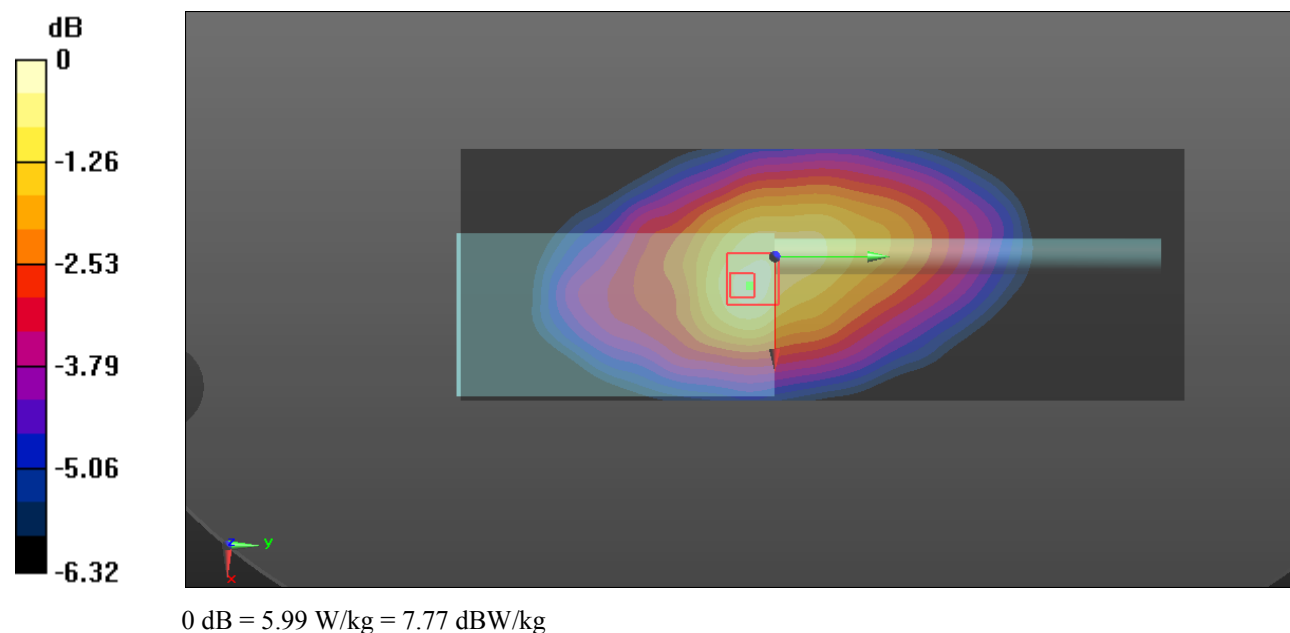
Communication System: 4FSK; Frequency: 418.662 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.885 \text{ S/m}$; $\epsilon_r = 44.646$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 5.78 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 80.43 V/m ; Power Drift = -0.04 dB Peak SAR (extrapolated) = 7.49 W/kg **SAR(1 g) = 5.65 W/kg ; SAR(10 g) = 4.36 W/kg** Maximum value of SAR (measured) = 5.99 W/kg 

Test Plot 61#: PTT_FM_12.5 kHz_ 400.0125 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

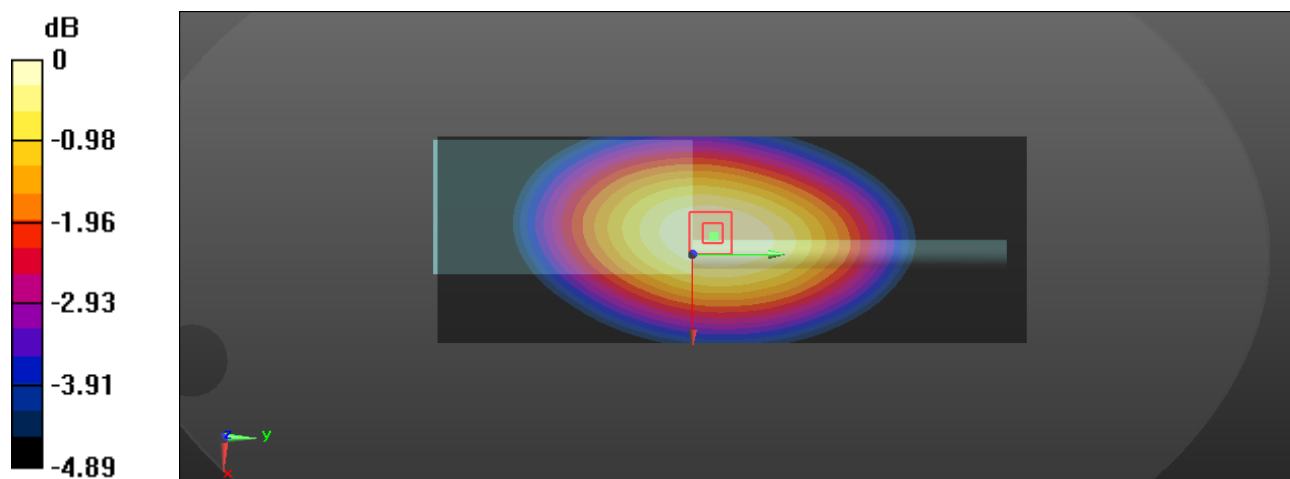
Communication System: FM; Frequency: 400.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 400.012 \text{ MHz}$; $\sigma = 0.893 \text{ S/m}$; $\epsilon_r = 44.595$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.89 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 91.12 V/m ; Power Drift = -0.07 dB Peak SAR (extrapolated) = 7.60 W/kg **SAR(1 g) = 6.49 W/kg ; SAR(10 g) = 5.31 W/kg** Maximum value of SAR (measured) = 6.74 W/kg  $0 \text{ dB} = 6.74 \text{ W/kg} = 8.29 \text{ dBW/kg}$

Test Plot 62#: PTT_FM_12.5 kHz_ 418.6625 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

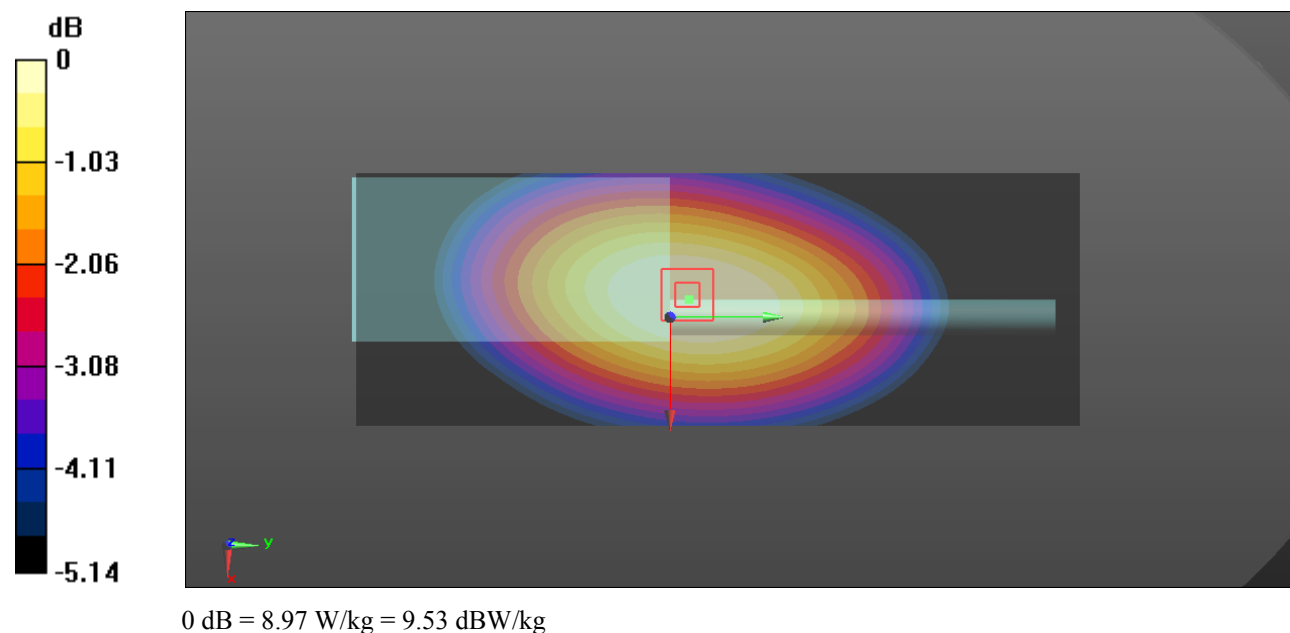
Communication System: FM ; Frequency: 418.662 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.903 \text{ S/m}$; $\epsilon_r = 44.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 9.48 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 106.8 V/m ; Power Drift = -0.14 dB Peak SAR (extrapolated) = 10.3 W/kg **SAR(1 g) = 8.64 W/kg ; SAR(10 g) = 7 W/kg** Maximum value of SAR (measured) = 8.97 W/kg 

Test Plot 63#: PTT_FM_12.5 kHz_ 437.3125 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

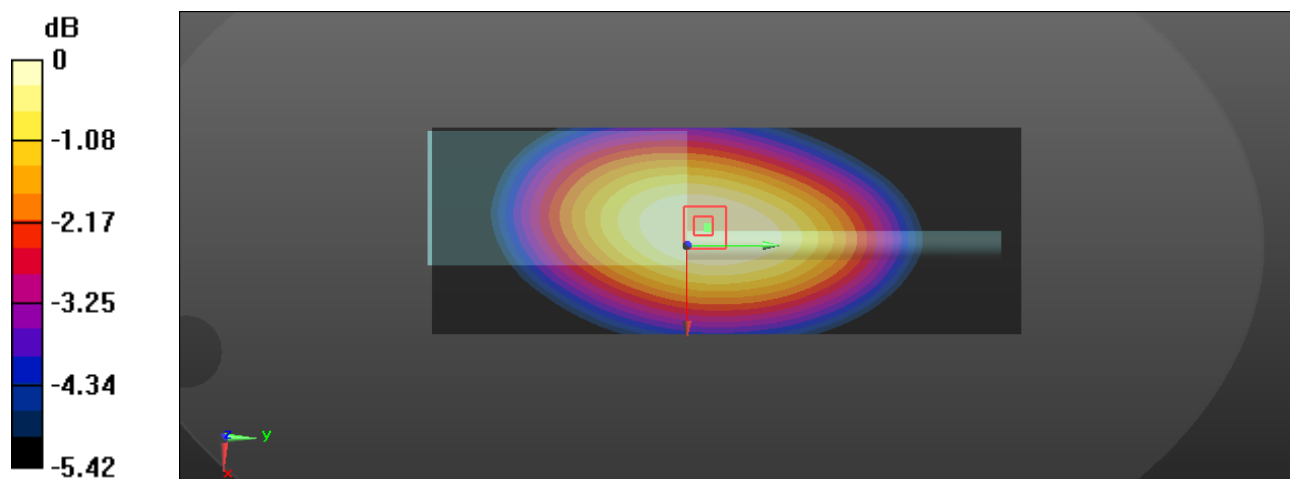
Communication System: FM; Frequency: 437.312 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 437.313 \text{ MHz}$; $\sigma = 0.901 \text{ S/m}$; $\epsilon_r = 44.083$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 437.312 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.08 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 99.22 V/m ; Power Drift = -0.16 dB Peak SAR (extrapolated) = 8.62 W/kg **SAR(1 g) = 7.4 W/kg ; SAR(10 g) = 5.98 W/kg** Maximum value of SAR (measured) = 7.70 W/kg  $0 \text{ dB} = 7.70 \text{ W/kg} = 8.86 \text{ dBW/kg}$

Test Plot 64#: PTT_FM_12.5 kHz_ 455.9625 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

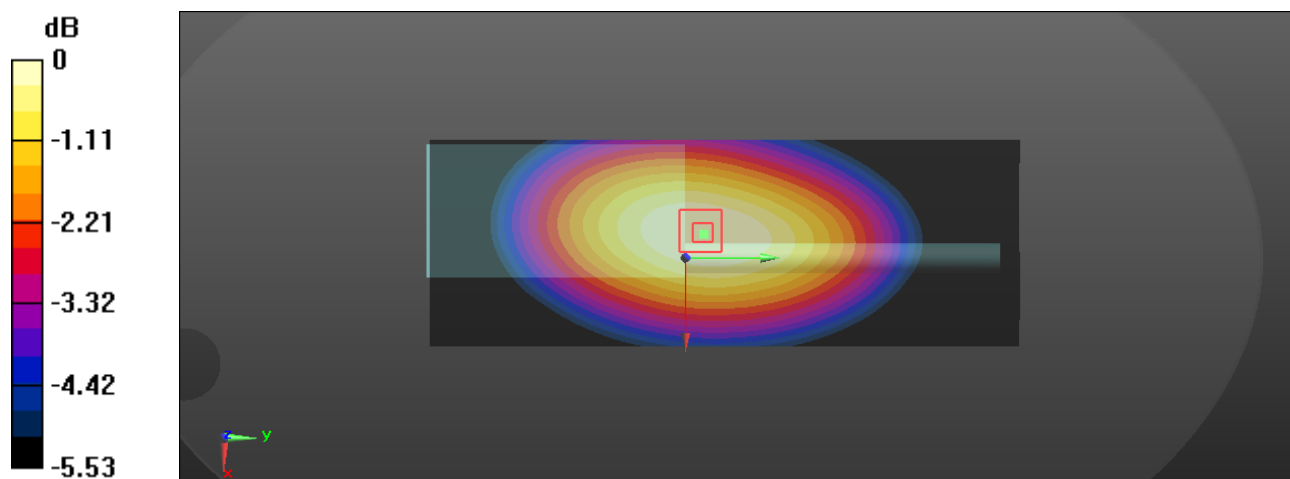
Communication System: FM; Frequency: 455.962 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 455.962 \text{ MHz}$; $\sigma = 0.902 \text{ S/m}$; $\epsilon_r = 42.95$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 455.962 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 5.12 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 77.68 V/m ; Power Drift = -0.10 dB Peak SAR (extrapolated) = 5.62 W/kg **SAR(1 g) = 4.82 W/kg ; SAR(10 g) = 3.9 W/kg** Maximum value of SAR (measured) = 5.02 W/kg  $0 \text{ dB} = 5.02 \text{ W/kg} = 7.01 \text{ dBW/kg}$

Test Plot 65#: PTT_FM_12.5 kHz_ 474.6125 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

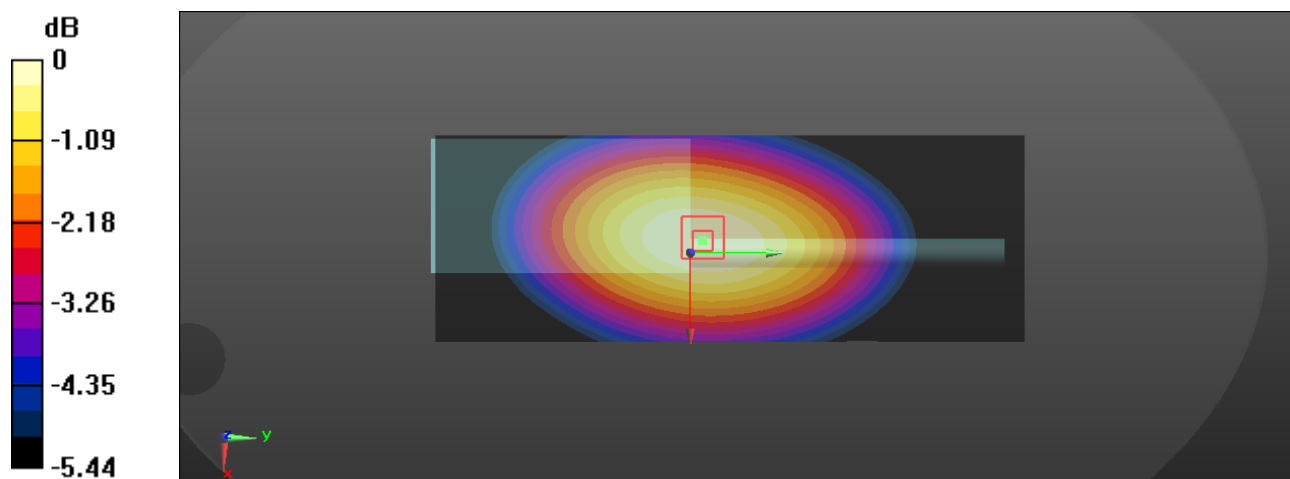
Communication System: FM; Frequency: 474.612 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 474.612 \text{ MHz}$; $\sigma = 0.901 \text{ S/m}$; $\epsilon_r = 42.73$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 474.612MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 5.43 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 79.13 V/m ; Power Drift = -0.03 dB Peak SAR (extrapolated) = 5.98 W/kg **SAR(1 g) = 5.12 W/kg ; SAR(10 g) = 4.14 W/kg** Maximum value of SAR (measured) = 5.35 W/kg  $0 \text{ dB} = 5.35 \text{ W/kg} = 7.28 \text{ dBW/kg}$

Test Plot 66#: PTT_FM_12.5 kHz_ 493.2625 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

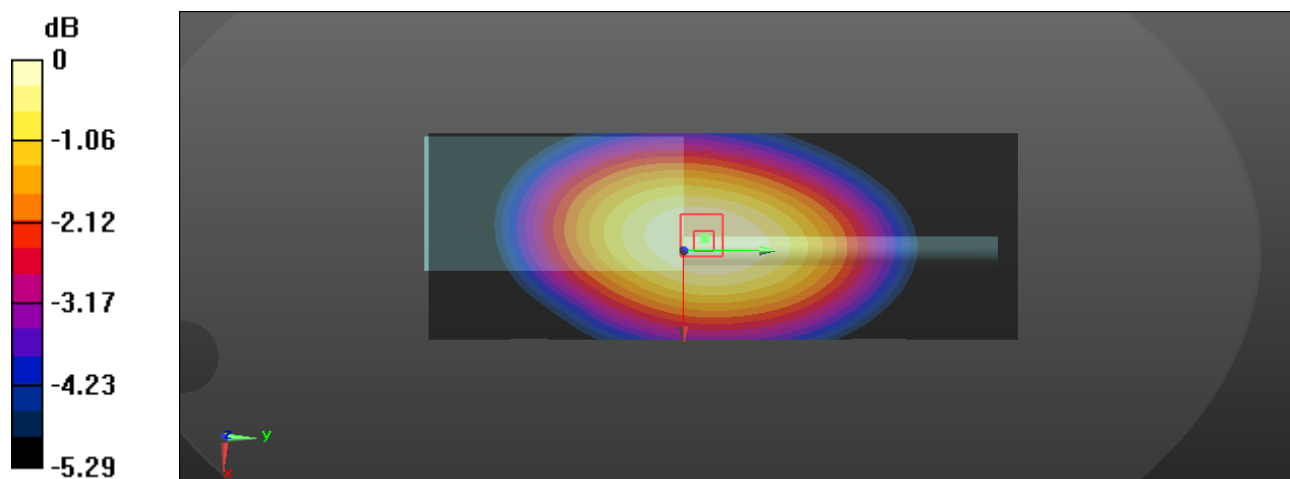
Communication System: FM; Frequency: 493.262 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 493.262 \text{ MHz}$; $\sigma = 0.907 \text{ S/m}$; $\epsilon_r = 42.851$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 493.262 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.45 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 64.34 V/m ; Power Drift = -0.16 dB Peak SAR (extrapolated) = 3.80 W/kg **SAR(1 g) = 3.24 W/kg ; SAR(10 g) = 2.64 W/kg** Maximum value of SAR (measured) = 3.37 W/kg  $0 \text{ dB} = 3.37 \text{ W/kg} = 5.28 \text{ dBW/kg}$

Test Plot 67#: PTT_FM_12.5 kHz_ 511.9875 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

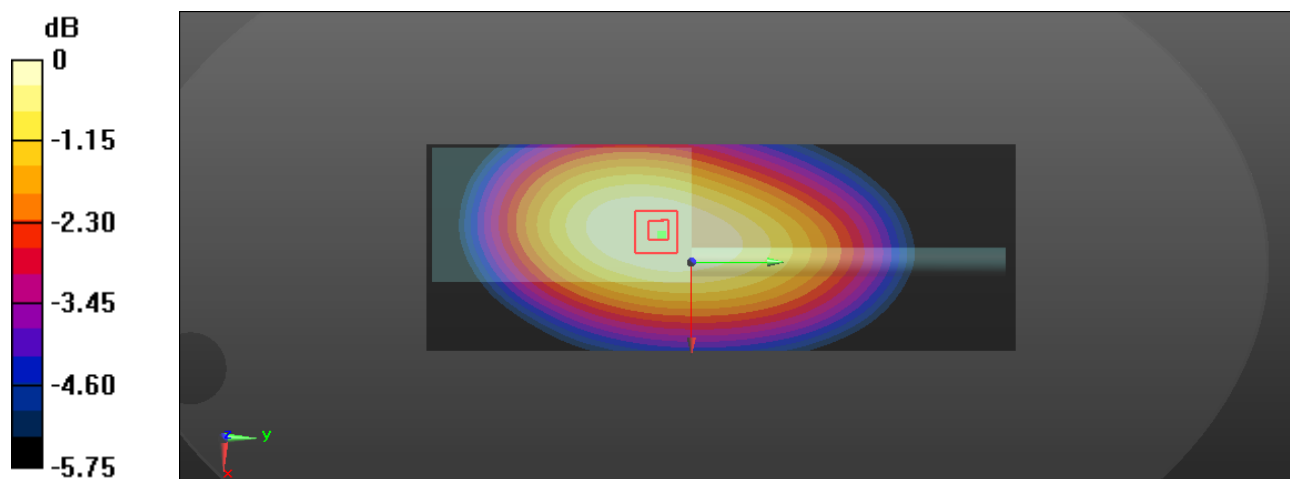
Communication System: FM; Frequency: 511.987 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 511.987 \text{ MHz}$; $\sigma = 0.887 \text{ S/m}$; $\epsilon_r = 42.086$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 511.987 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.19 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 61.88 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 3.39 W/kg **SAR(1 g) = 2.97 W/kg ; SAR(10 g) = 2.43 W/kg** Maximum value of SAR (measured) = 3.07 W/kg  $0 \text{ dB} = 3.07 \text{ W/kg} = 4.87 \text{ dBW/kg}$

Test Plot 68#: PTT_FM_25 kHz_ 400.0125 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.893$ S/m; $\epsilon_r = 44.595$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.35 W/kg

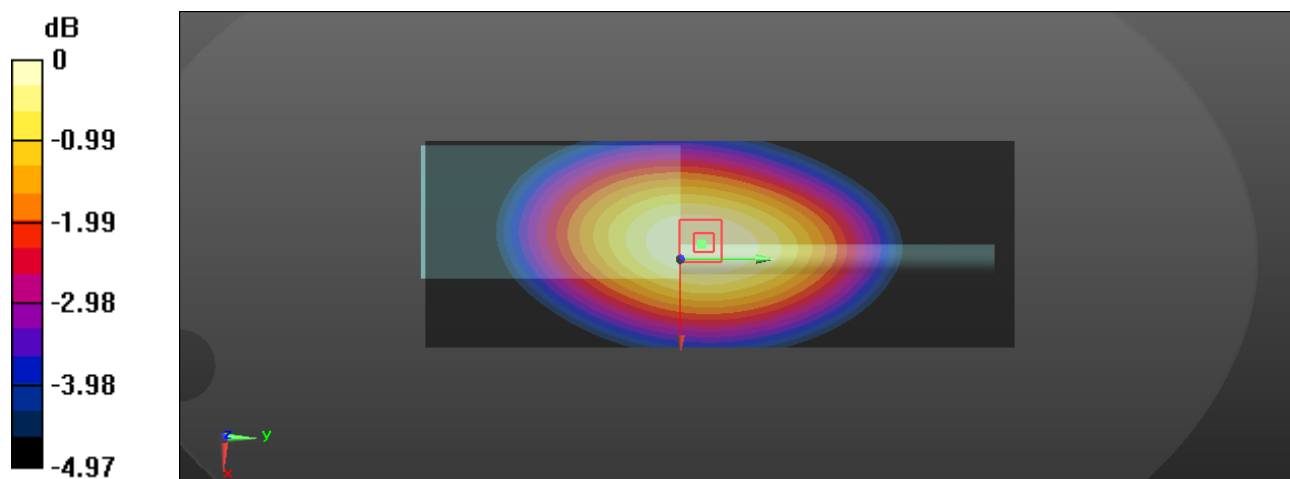
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 95.35 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 8.11 W/kg

SAR(1 g) = 6.94 W/kg; SAR(10 g) = 5.66 W/kg

Maximum value of SAR (measured) = 7.22 W/kg



0 dB = 7.22 W/kg = 8.59 dBW/kg

Test Plot 69#: PTT_FM_25 kHz_ 418.6625 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

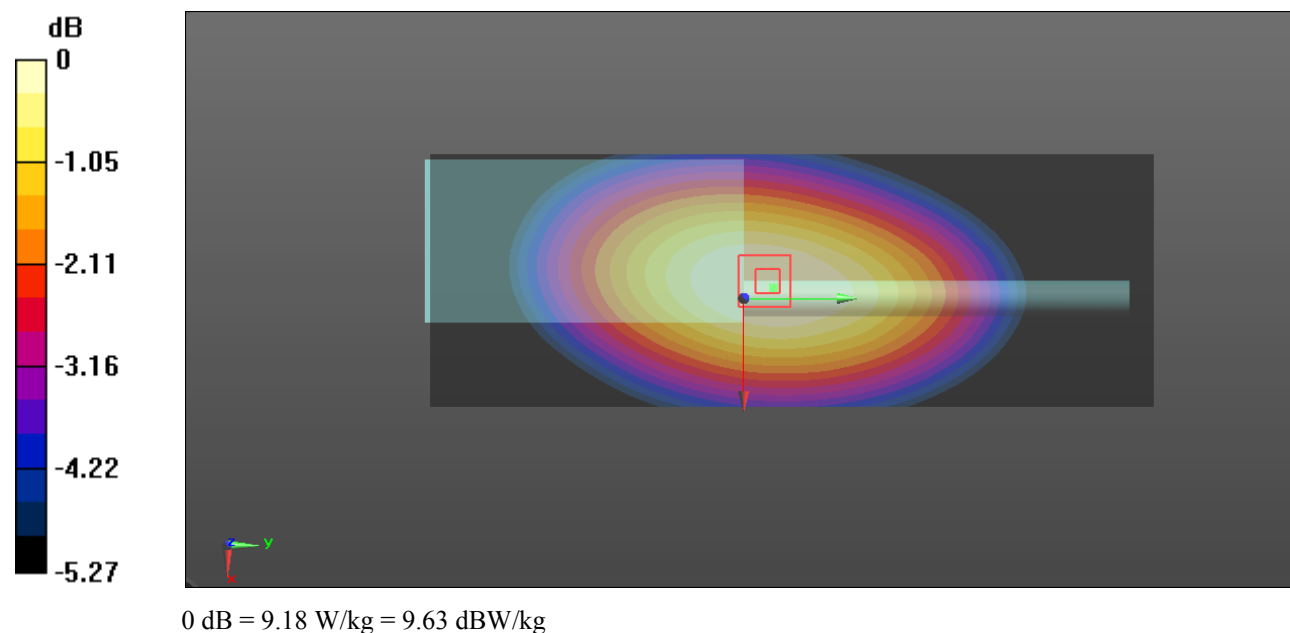
Communication System: FM ; Frequency: 418.662 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.903 \text{ S/m}$; $\epsilon_r = 44.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 9.54 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 108.1 V/m ; Power Drift = -0.15 dB Peak SAR (extrapolated) = 10.3 W/kg **SAR(1 g) = 8.84 W/kg ; SAR(10 g) = 7.16 W/kg** Maximum value of SAR (measured) = 9.18 W/kg 

Test Plot 70#: PTT_FM_25 kHz_ 437.3125 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

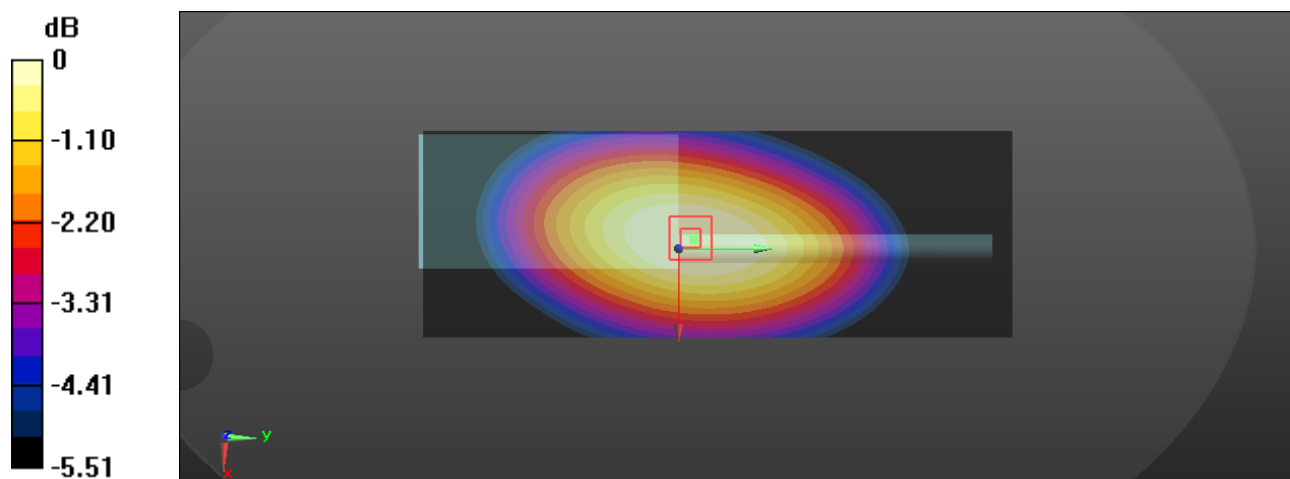
Communication System: FM; Frequency: 437.312 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 437.313 \text{ MHz}$; $\sigma = 0.901 \text{ S/m}$; $\epsilon_r = 44.083$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 437.312 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.60 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 104.1 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 9.16 W/kg **SAR(1 g) = 7.84 W/kg ; SAR(10 g) = 6.32 W/kg** Maximum value of SAR (measured) = 8.18 W/kg  $0 \text{ dB} = 8.18 \text{ W/kg} = 9.13 \text{ dBW/kg}$

Test Plot 71#: PTT_FM_25 kHz_ 455.9625 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

Communication System: FM; Frequency: 455.962 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 455.962 \text{ MHz}$; $\sigma = 0.902 \text{ S/m}$; $\epsilon_r = 42.95$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 455.962 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 5.44 W/kg

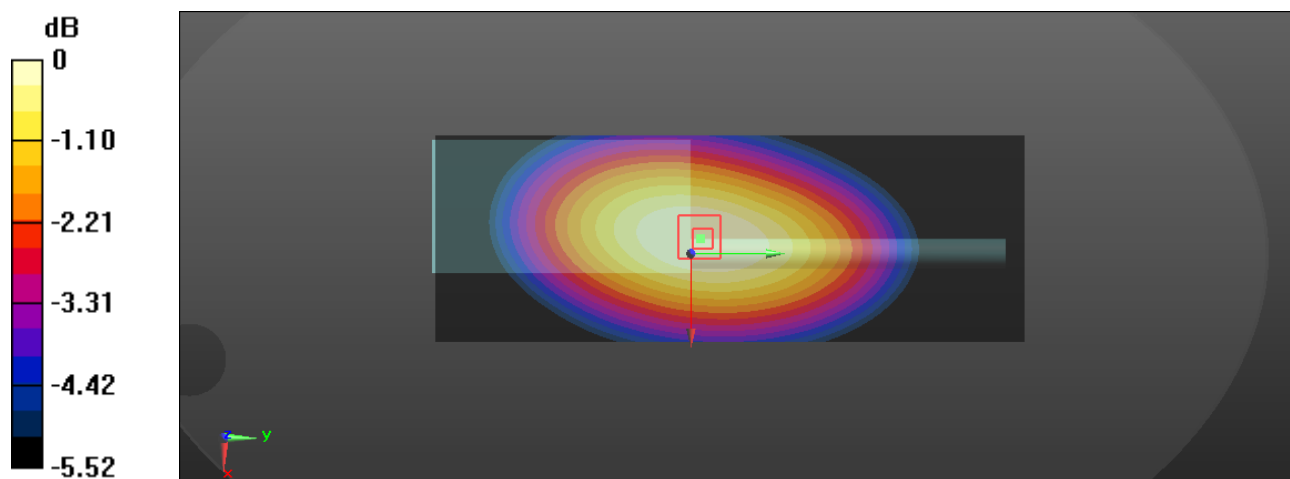
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 80.51 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 5.96 W/kg

SAR(1 g) = 5.09 W/kg; SAR(10 g) = 4.1 W/kg

Maximum value of SAR (measured) = 5.29 W/kg

 $0 \text{ dB} = 5.29 \text{ W/kg} = 7.23 \text{ dBW/kg}$

Test Plot 72#: PTT_FM_25 kHz_ 474.6125 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

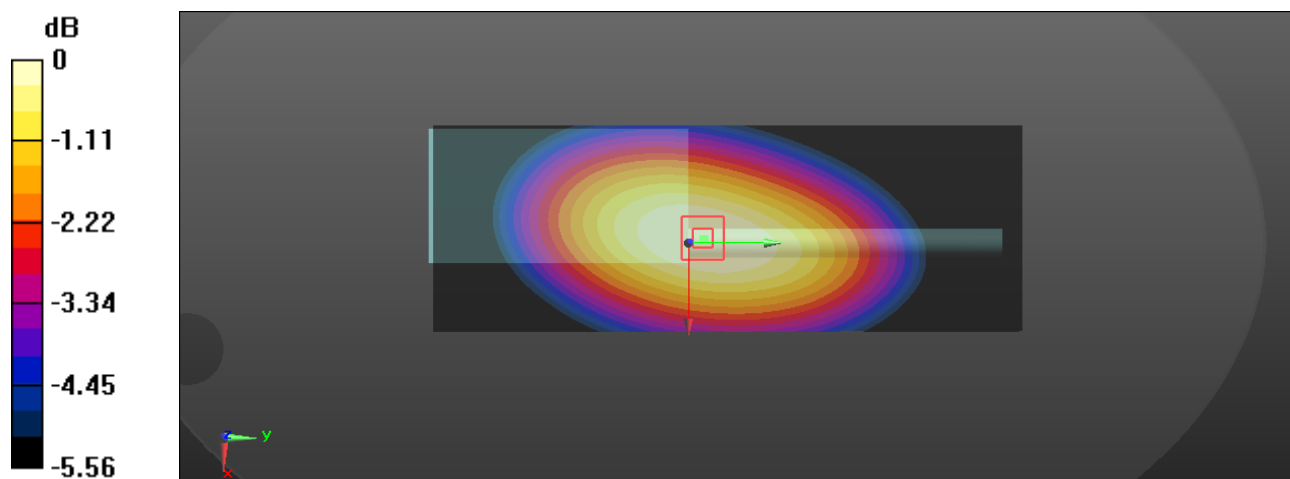
Communication System: FM; Frequency: 474.612 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 474.612 \text{ MHz}$; $\sigma = 0.901 \text{ S/m}$; $\epsilon_r = 42.73$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 474.612MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 5.38 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 77.97 V/m ; Power Drift = -0.06 dB Peak SAR (extrapolated) = 5.94 W/kg **SAR(1 g) = 5.04 W/kg ; SAR(10 g) = 4.03 W/kg** Maximum value of SAR (measured) = 5.25 W/kg  $0 \text{ dB} = 5.25 \text{ W/kg} = 7.20 \text{ dBW/kg}$

Test Plot 73#: PTT_FM_25 kHz_ 493.2625 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

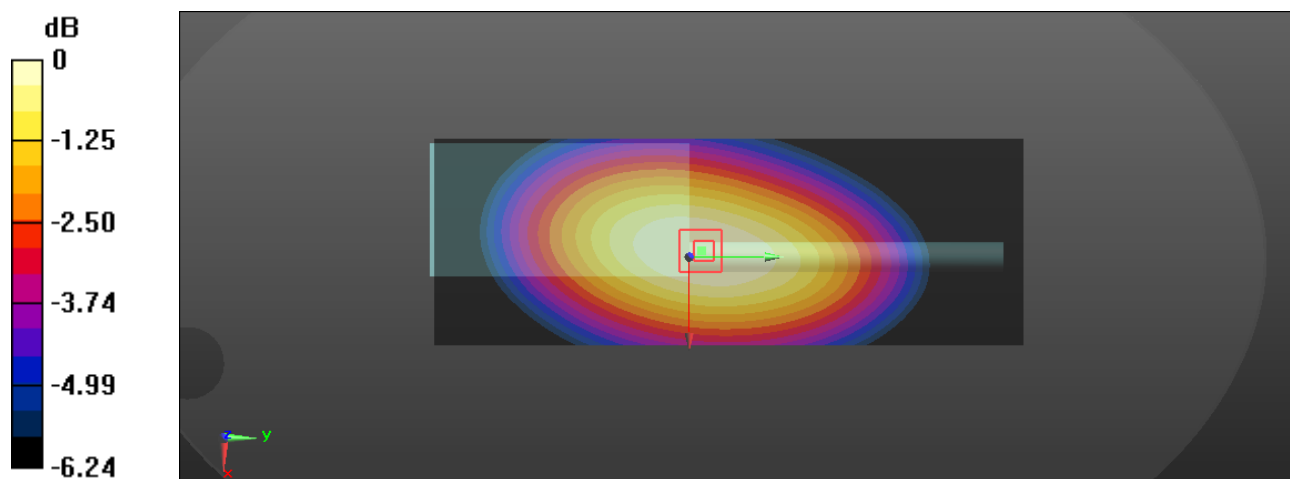
Communication System: FM; Frequency: 493.262 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 493.262 \text{ MHz}$; $\sigma = 0.907 \text{ S/m}$; $\epsilon_r = 42.851$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 493.262 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.32 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 60.45 V/m ; Power Drift = 0.05 dB Peak SAR (extrapolated) = 3.68 W/kg **SAR(1 g) = 3.1 W/kg ; SAR(10 g) = 2.46 W/kg** Maximum value of SAR (measured) = 3.24 W/kg  $0 \text{ dB} = 3.24 \text{ W/kg} = 5.11 \text{ dBW/kg}$

Test Plot 74#: PTT_FM_25 kHz_ 511.9875 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

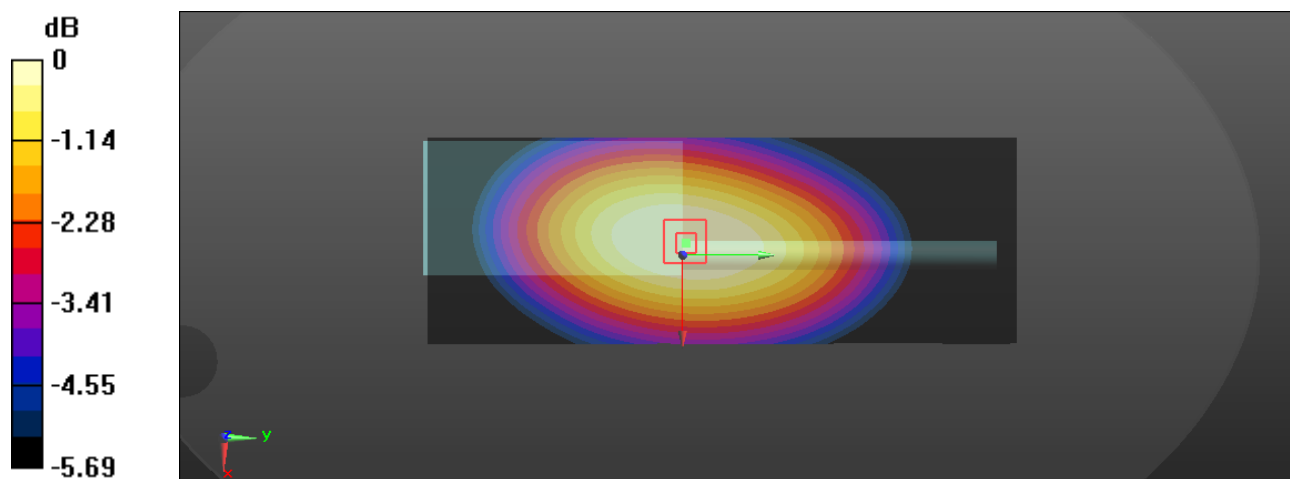
Communication System: FM; Frequency: 511.987 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 511.987 \text{ MHz}$; $\sigma = 0.887 \text{ S/m}$; $\epsilon_r = 42.086$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 511.987 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 2.82 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 58.43 V/m ; Power Drift = -0.14 dB Peak SAR (extrapolated) = 3.02 W/kg **SAR(1 g) = 2.56 W/kg ; SAR(10 g) = 2.05 W/kg** Maximum value of SAR (measured) = 2.67 W/kg  $0 \text{ dB} = 2.67 \text{ W/kg} = 4.27 \text{ dBW/kg}$

Test Plot 75#: PTT_4FSK_12.5 kHz_ 418.6625 MHz_Face Up**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

Communication System: 4FSK ; Frequency: 418.662 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.903 \text{ S/m}$; $\epsilon_r = 44.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

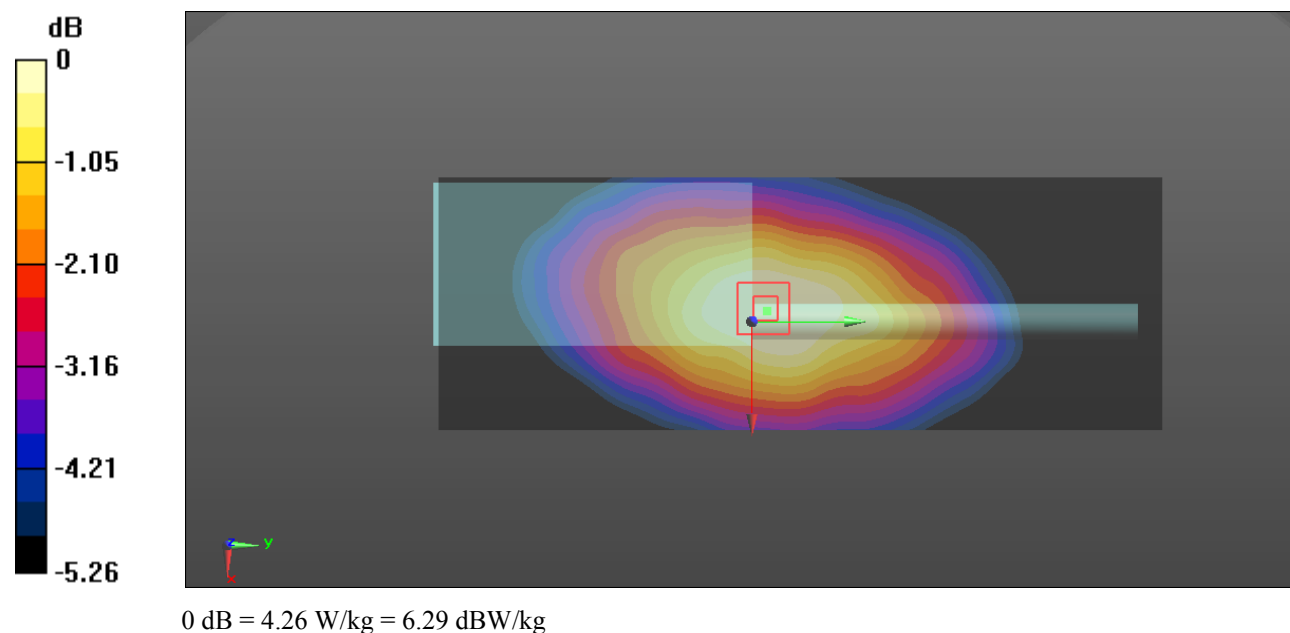
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 71.74 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 4.97 W/kg

SAR(1 g) = 3.97 W/kg; SAR(10 g) = 3.19 W/kg

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



Test Plot 76#: PTT_FM_12.5 kHz_ 400.0125 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.893$ S/m; $\epsilon_r = 44.595$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

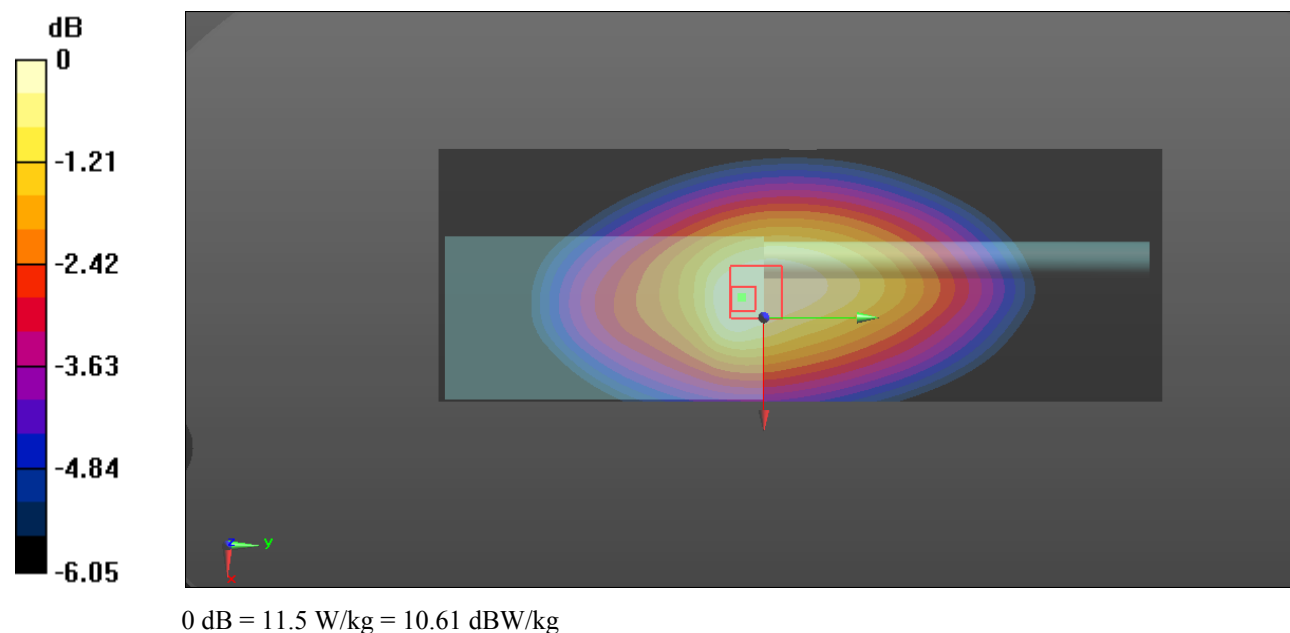
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 116.5 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 13.6 W/kg

SAR(1 g) = 10.9 W/kg; SAR(10 g) = 8.51 W/kg

Maximum value of SAR (measured) = 11.5 W/kg



Test Plot 77#: PTT_FM_12.5 kHz_ 418.6625 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

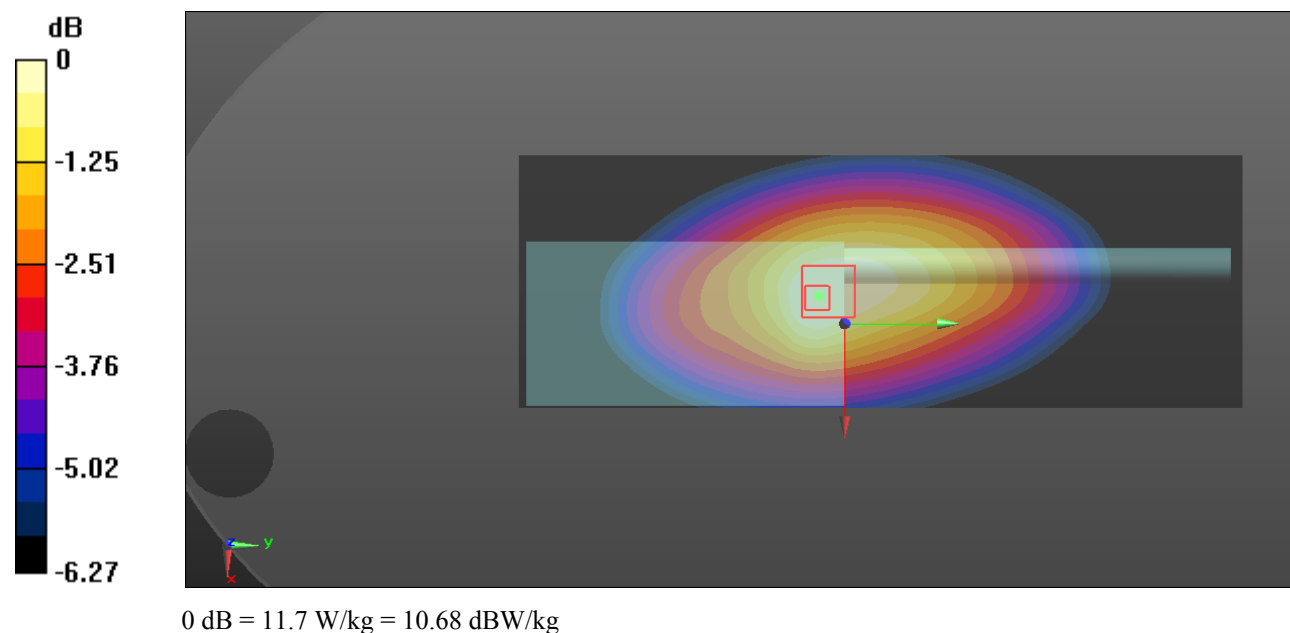
Communication System: FM ; Frequency: 418.662 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.903 \text{ S/m}$; $\epsilon_r = 44.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 12.6 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 109.9 V/m ; Power Drift = -0.18 dB Peak SAR (extrapolated) = 14.0 W/kg **SAR(1 g) = 11 W/kg ; SAR(10 g) = 8.51 W/kg** Maximum value of SAR (measured) = 11.7 W/kg 

Test Plot 78#: PTT_FM_12.5 kHz_ 437.3125 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

Communication System: FM; Frequency: 437.312 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 437.313$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 44.083$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 437.312 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 11.8 W/kg

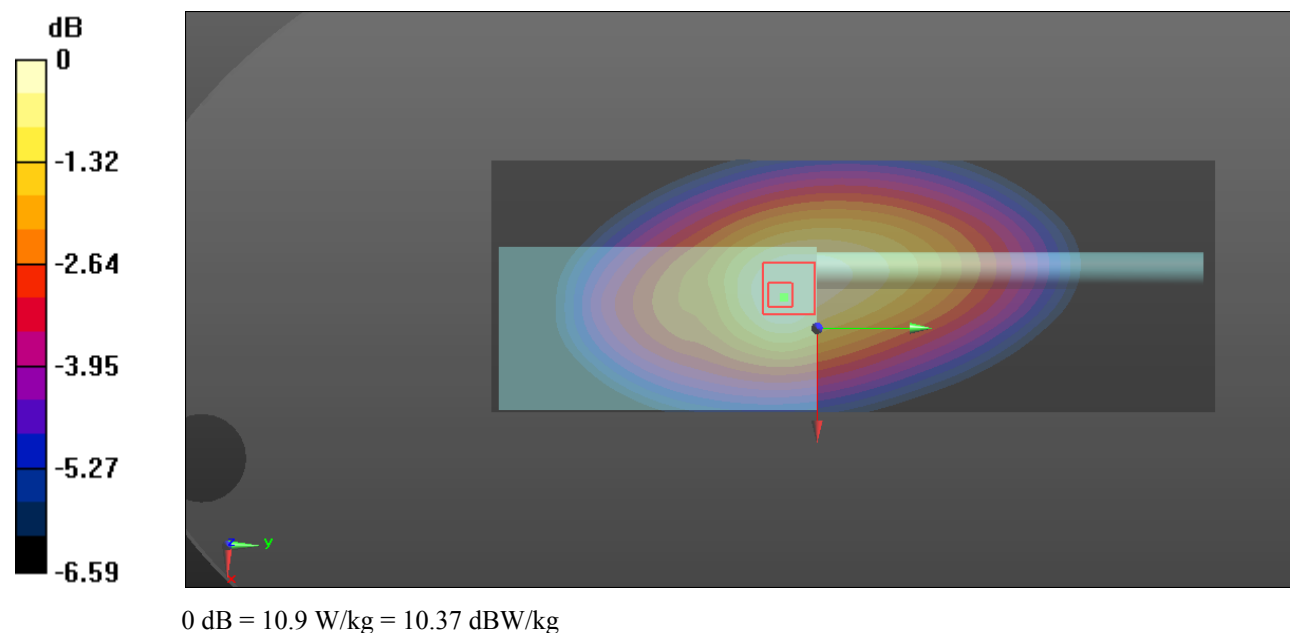
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 121.8 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 13.1 W/kg

SAR(1 g) = 10.3 W/kg; SAR(10 g) = 7.82 W/kg

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



Test Plot 79#: PTT_FM_12.5 kHz_ 455.9625 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

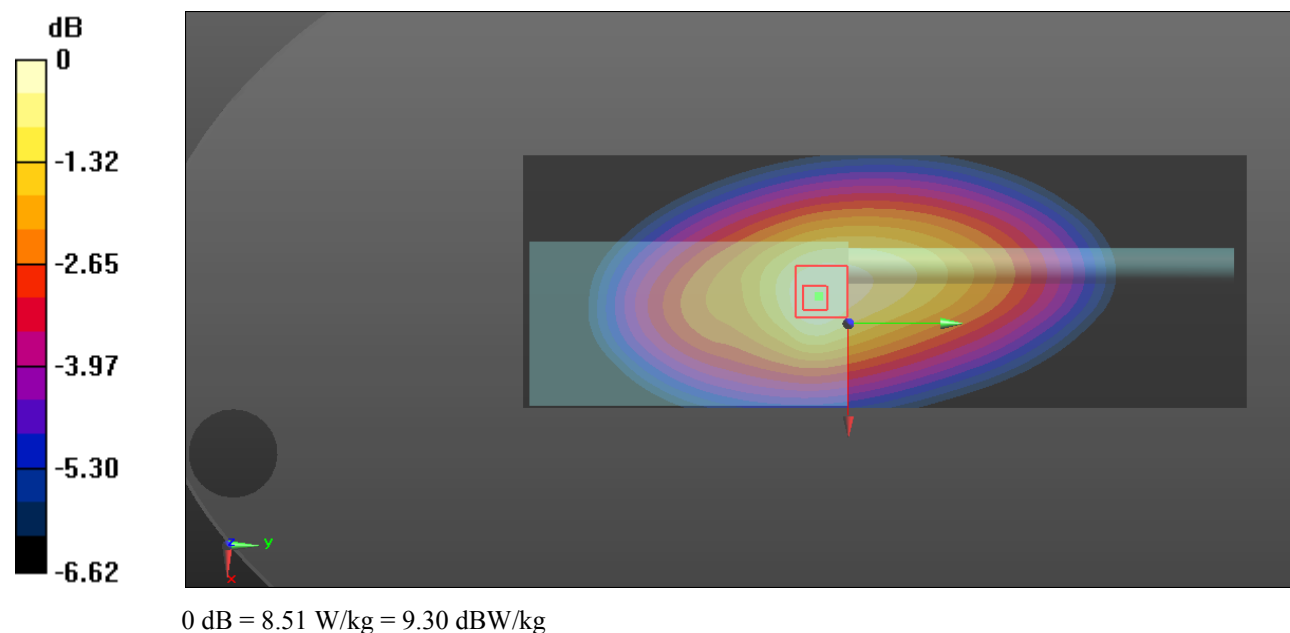
Communication System: FM; Frequency: 455.962 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 455.962 \text{ MHz}$; $\sigma = 0.902 \text{ S/m}$; $\epsilon_r = 42.95$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 455.962 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.97 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 101.1 V/m ; Power Drift = -0.17 dB Peak SAR (extrapolated) = 10.2 W/kg **SAR(1 g) = 8.05 W/kg ; SAR(10 g) = 6.09 W/kg** Maximum value of SAR (measured) = 8.51 W/kg 

Test Plot 80#: PTT_FM_12.5 kHz_ 474.6125 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

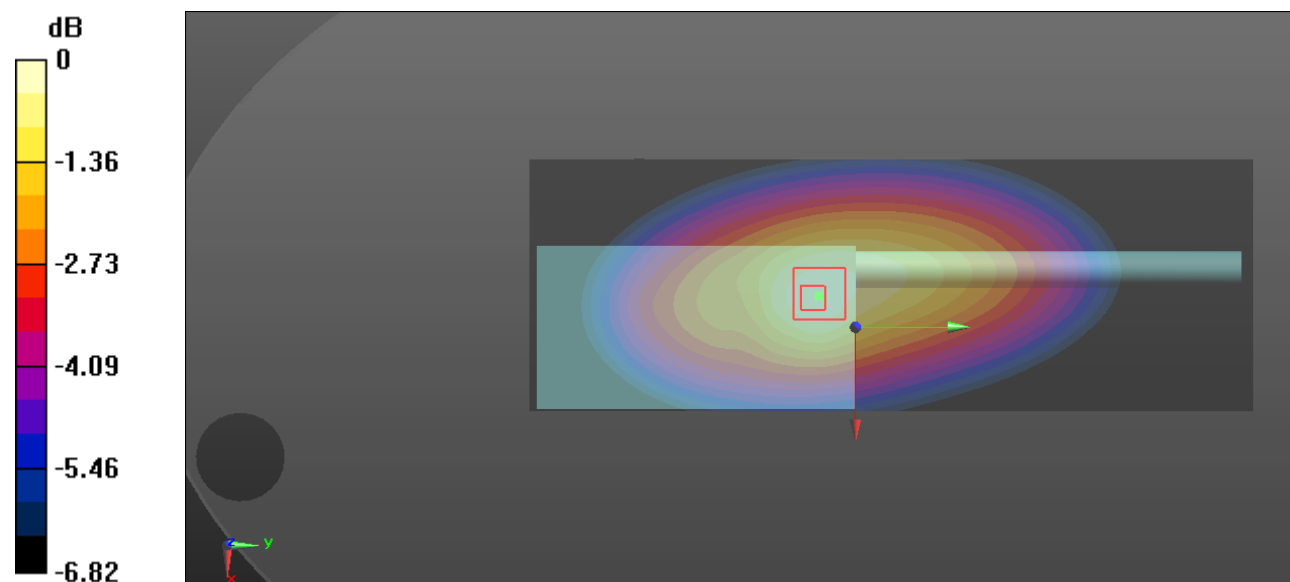
Communication System: FM; Frequency: 474.612 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 474.612 \text{ MHz}$; $\sigma = 0.901 \text{ S/m}$; $\epsilon_r = 42.73$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 474.612 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.41 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 90.31 V/m ; Power Drift = -0.16 dB Peak SAR (extrapolated) = 7.60 W/kg **SAR(1 g) = 5.96 W/kg ; SAR(10 g) = 4.48 W/kg** Maximum value of SAR (measured) = 6.26 W/kg  $0 \text{ dB} = 6.26 \text{ W/kg} = 7.97 \text{ dBW/kg}$

Test Plot 81#: PTT_FM_12.5 kHz_ 493.2625 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

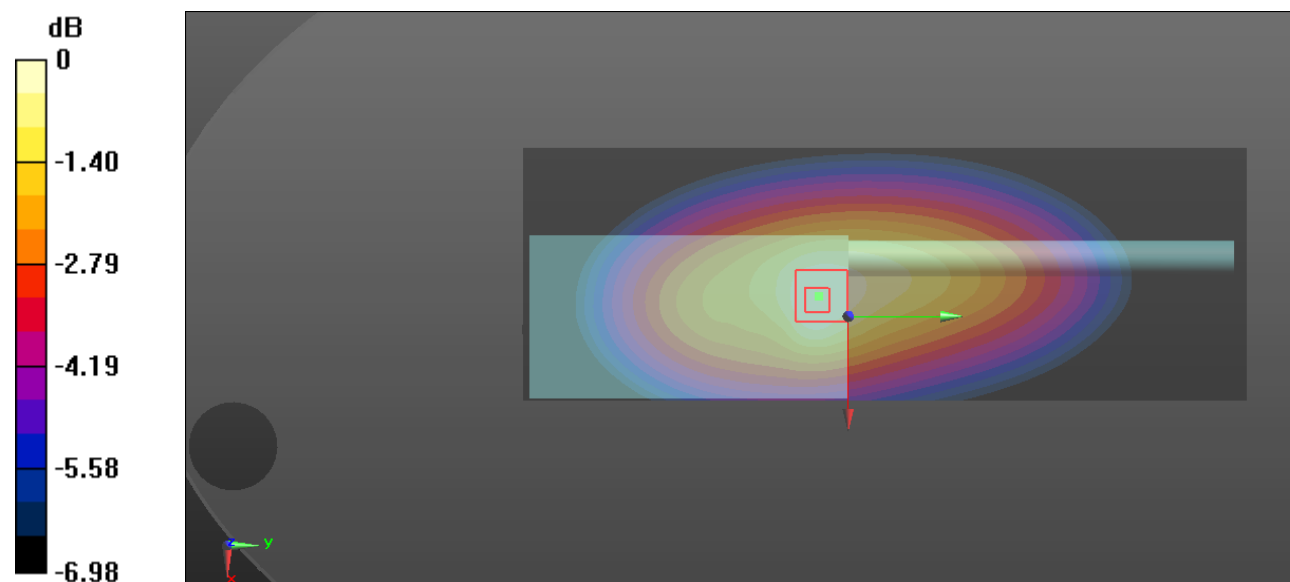
Communication System: FM; Frequency: 493.262 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 493.262 \text{ MHz}$; $\sigma = 0.907 \text{ S/m}$; $\epsilon_r = 42.851$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 493.262 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 9.16 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 111.5 V/m ; Power Drift = -0.12 dB Peak SAR (extrapolated) = 10.6 W/kg **SAR(1 g) = 8.12 W/kg ; SAR(10 g) = 6.03 W/kg** Maximum value of SAR (measured) = 8.62 W/kg  $0 \text{ dB} = 8.62 \text{ W/kg} = 9.36 \text{ dBW/kg}$

Test Plot 82#: PTT_FM_12.5 kHz_ 511.9875 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

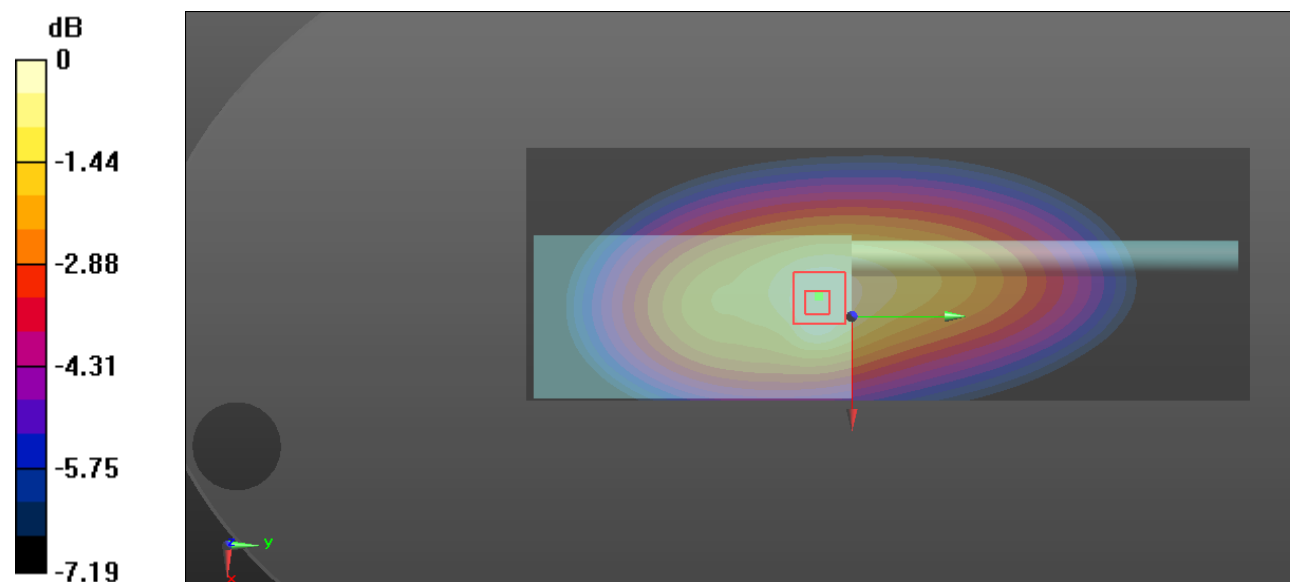
Communication System: FM; Frequency: 511.987 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 511.987 \text{ MHz}$; $\sigma = 0.887 \text{ S/m}$; $\epsilon_r = 42.086$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 511.987 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.42 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 87.91 V/m ; Power Drift = -0.19 dB Peak SAR (extrapolated) = 8.62 W/kg **SAR(1 g) = 6.52 W/kg ; SAR(10 g) = 4.8 W/kg** Maximum value of SAR (measured) = 6.88 W/kg  $0 \text{ dB} = 6.88 \text{ W/kg} = 8.38 \text{ dBW/kg}$

Test Plot 83#: PTT_FM_25 kHz_ 400.0125 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

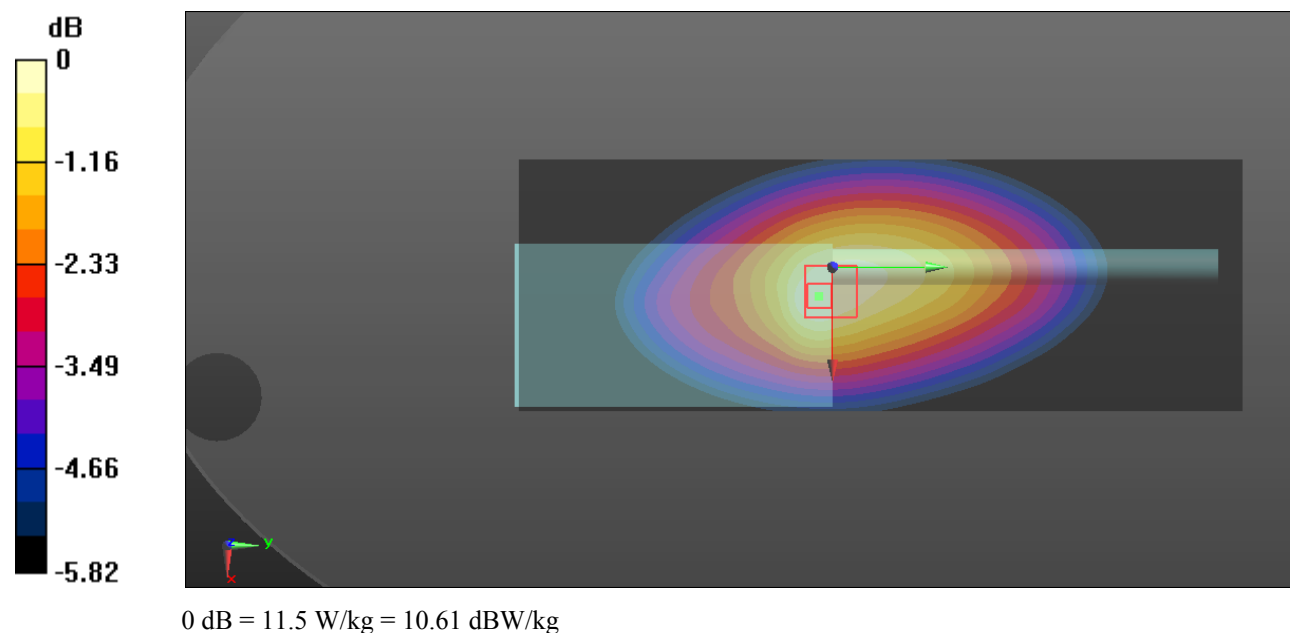
Communication System: FM; Frequency: 400.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 400.012 \text{ MHz}$; $\sigma = 0.893 \text{ S/m}$; $\epsilon_r = 44.595$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 11.9 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 113.7 V/m ; Power Drift = -0.13 dB Peak SAR (extrapolated) = 13.9 W/kg **SAR(1 g) = 10.9 W/kg ; SAR(10 g) = 8.45 W/kg** Maximum value of SAR (measured) = 11.5 W/kg 

Test Plot 84#: PTT_FM_25 kHz_ 418.6625 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

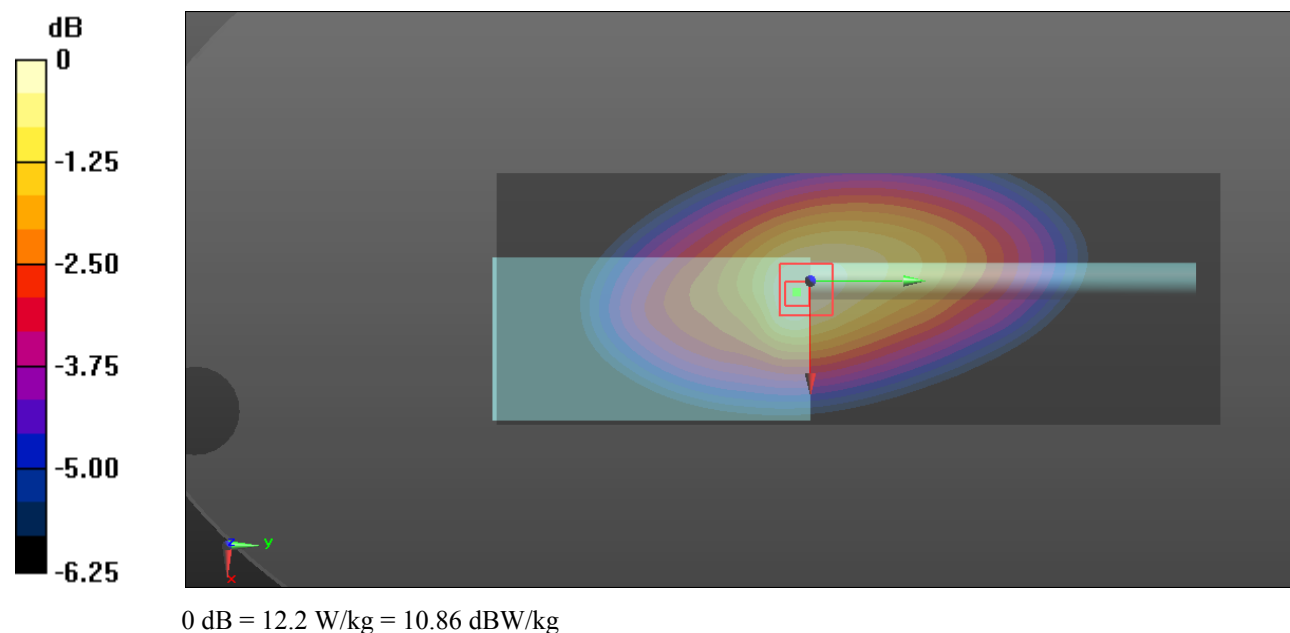
Communication System: FM ; Frequency: 418.662 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.903 \text{ S/m}$; $\epsilon_r = 44.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 12.3 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 119.3 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 14.9 W/kg **SAR(1 g) = 11.5 W/kg ; SAR(10 g) = 8.7 W/kg** Maximum value of SAR (measured) = 12.2 W/kg 

Test Plot 85#: PTT_FM_25 kHz_ 437.3125 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

Communication System: FM; Frequency: 437.312 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 437.312 \text{ MHz}$; $\sigma = 0.901 \text{ S/m}$; $\epsilon_r = 44.083$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 437.312 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 11.9 W/kg

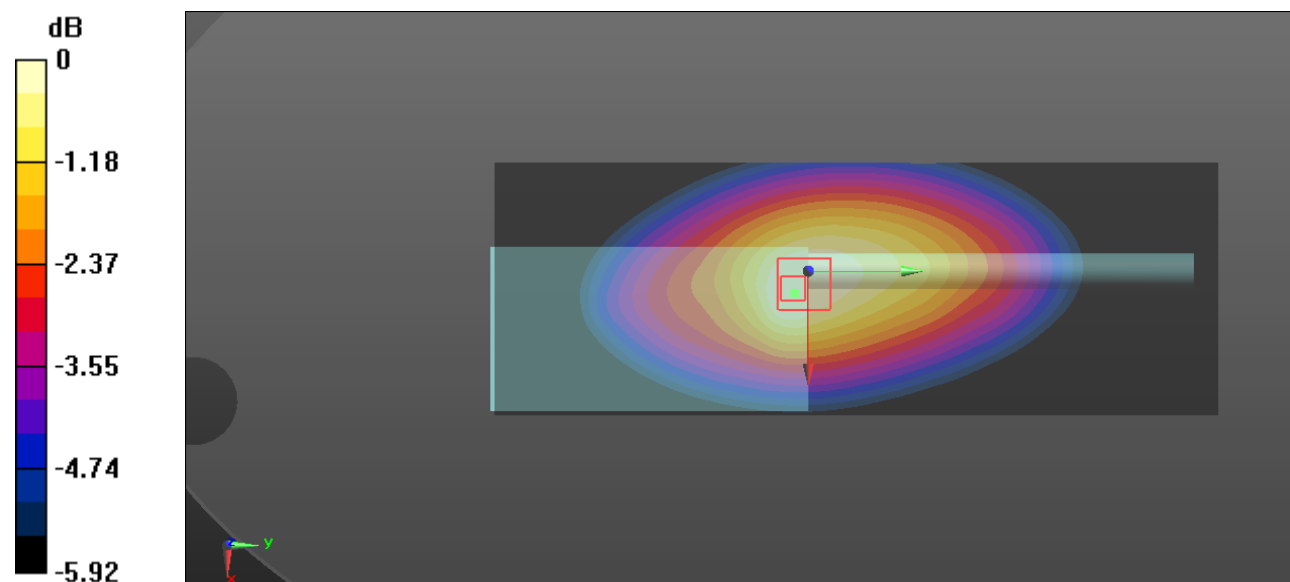
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 116.9 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 13.8 W/kg

SAR(1 g) = 10.8 W/kg; SAR(10 g) = 8.3 W/kg

Maximum value of SAR (measured) = 11.3 W/kg



0 dB = 11.3 W/kg = 10.53 dBW/kg

Test Plot 86#: PTT_FM_25 kHz_ 455.9625 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

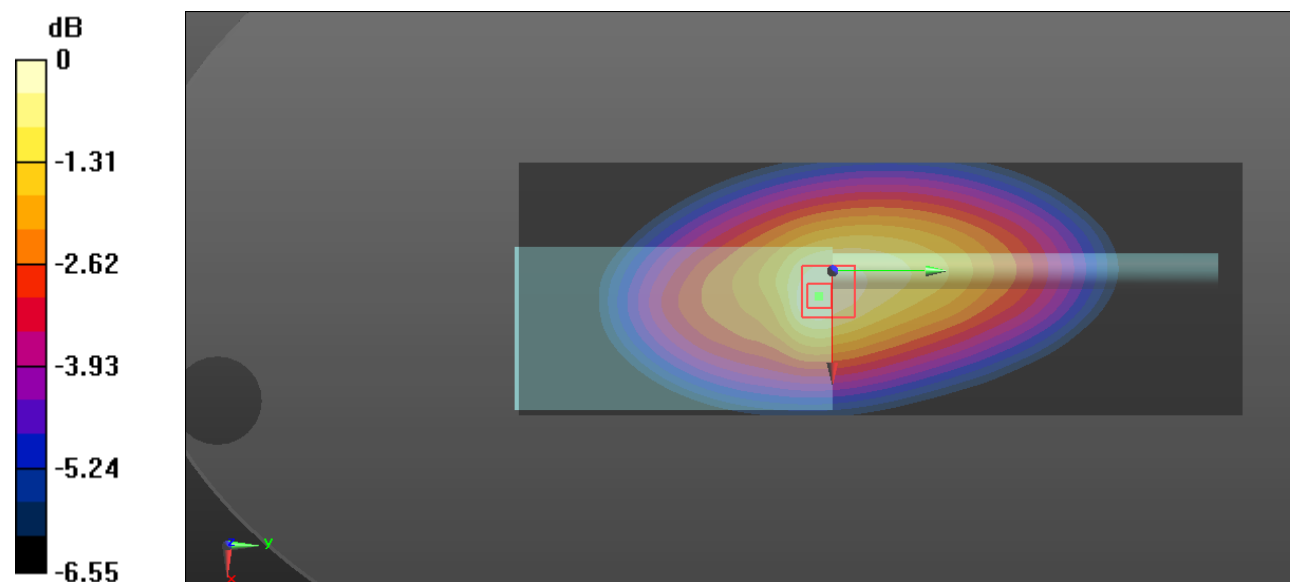
Communication System: FM; Frequency: 455.962 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 455.962 \text{ MHz}$; $\sigma = 0.902 \text{ S/m}$; $\epsilon_r = 42.95$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 455.962 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.79 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 97.35 V/m ; Power Drift = -0.18 dB Peak SAR (extrapolated) = 10.6 W/kg **SAR(1 g) = 8.11 W/kg ; SAR(10 g) = 6.1 W/kg** Maximum value of SAR (measured) = 8.64 W/kg 0 dB = 8.64 W/kg = 9.37 dBW/kg

Test Plot 87#: PTT_FM_25 kHz_ 474.6125 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

Communication System: FM; Frequency: 474.612 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 474.612 \text{ MHz}$; $\sigma = 0.901 \text{ S/m}$; $\epsilon_r = 42.73$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 474.612 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 6.80 W/kg

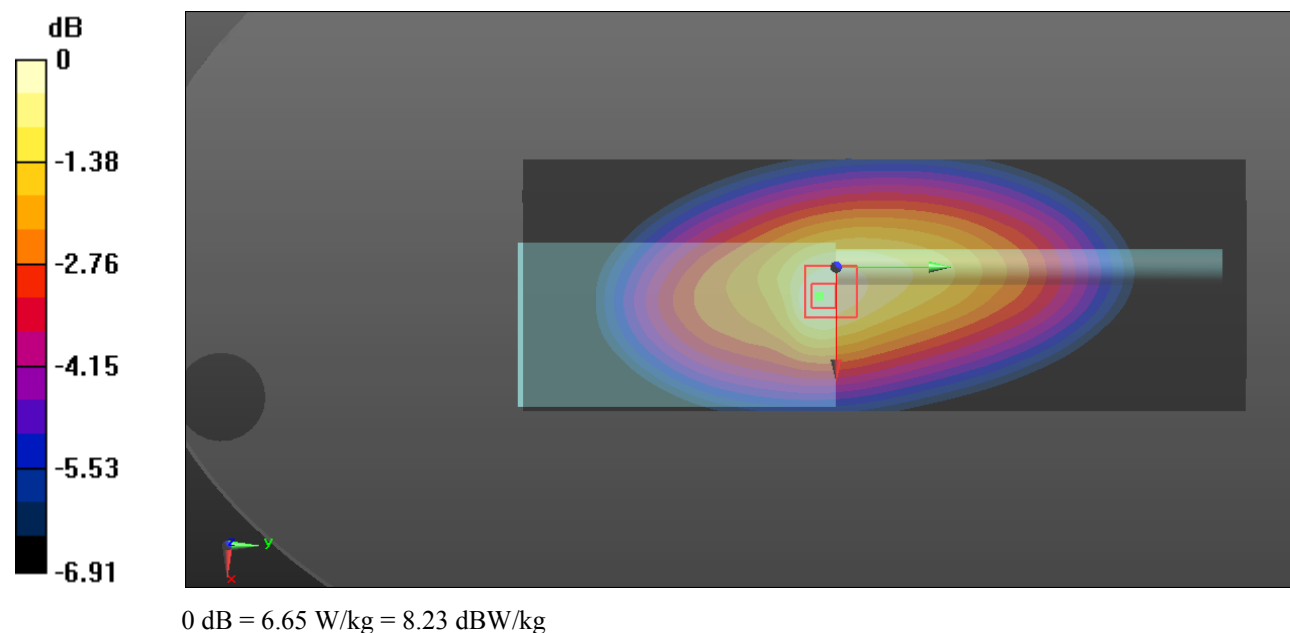
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 83.26 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 8.22 W/kg

SAR(1 g) = 6.26 W/kg; SAR(10 g) = 4.67 W/kg

Maximum value of SAR (measured) = 6.65 W/kg



Test Plot 88#: PTT_FM_25 kHz_ 493.2625 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

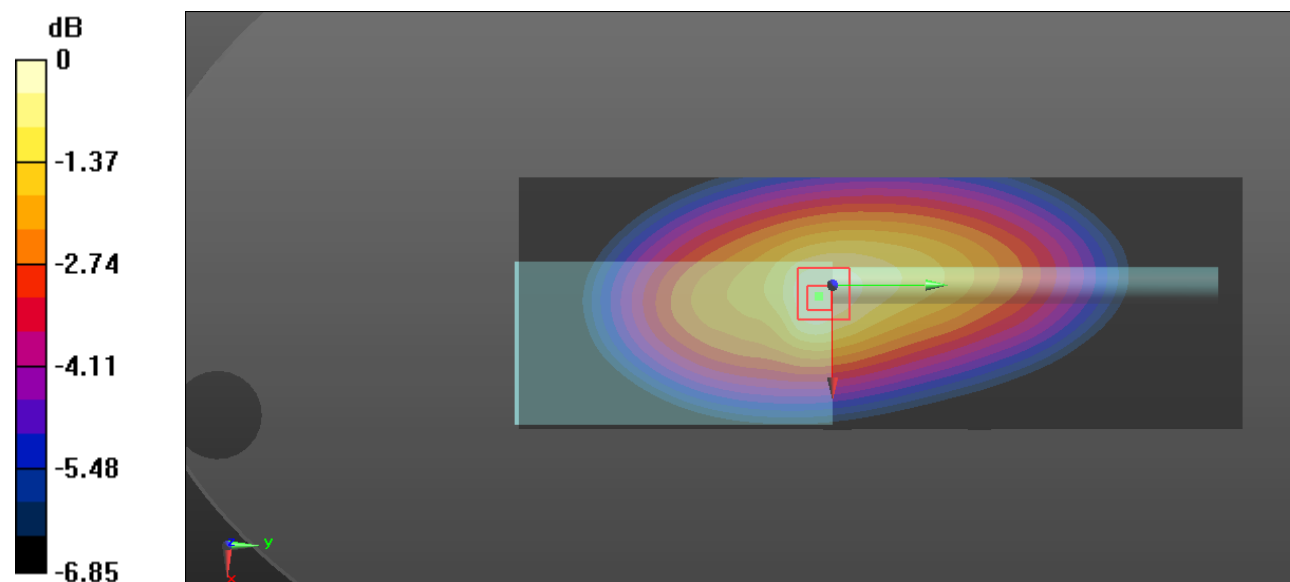
Communication System: FM; Frequency: 493.262 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 493.262 \text{ MHz}$; $\sigma = 0.907 \text{ S/m}$; $\epsilon_r = 42.851$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 493.262 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 9.78 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 105.7 V/m ; Power Drift = -0.15 dB Peak SAR (extrapolated) = 12.0 W/kg **SAR(1 g) = 9.13 W/kg ; SAR(10 g) = 6.8 W/kg** Maximum value of SAR (measured) = 9.72 W/kg 0 dB = 9.72 W/kg = 9.88 dBW/kg

Test Plot 89#: PTT_FM_25 kHz_ 511.9875 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

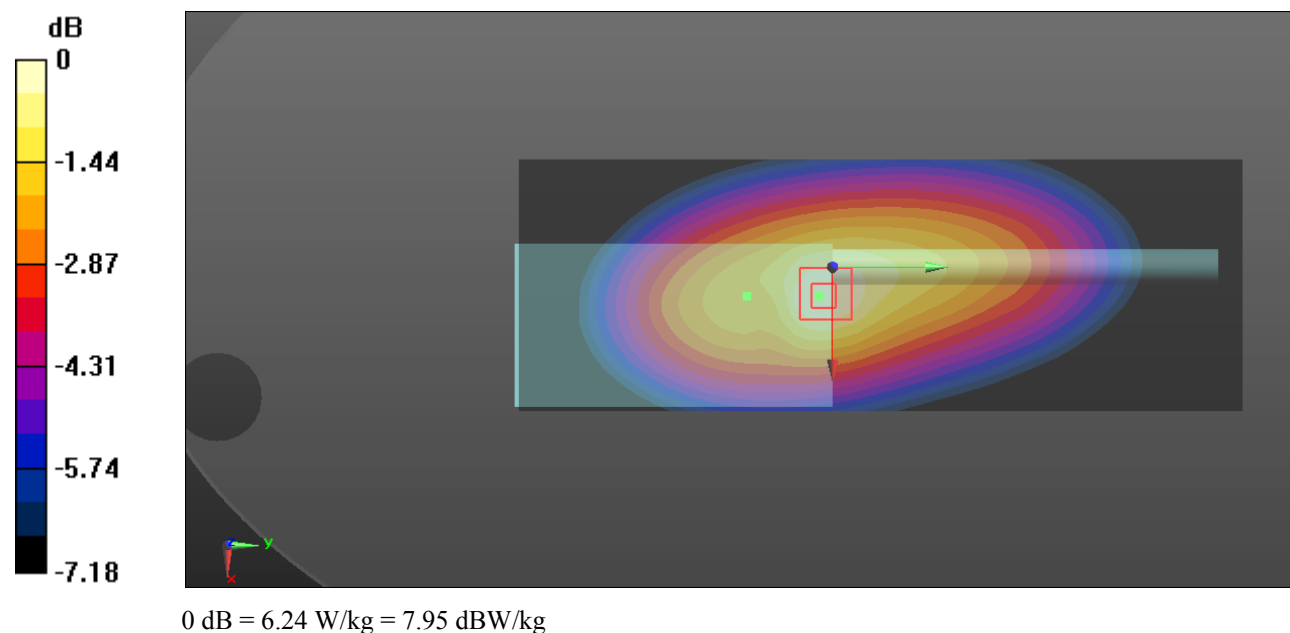
Communication System: FM; Frequency: 511.987 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 511.987 \text{ MHz}$; $\sigma = 0.887 \text{ S/m}$; $\epsilon_r = 42.086$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 511.987 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.37 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 81.71 V/m ; Power Drift = -0.13 dB Peak SAR (extrapolated) = 7.80 W/kg **SAR(1 g) = 5.85 W/kg ; SAR(10 g) = 4.31 W/kg** Maximum value of SAR (measured) = 6.24 W/kg 

Test Plot 90#: PTT_4FSK_12.5 kHz_ 418.6625 MHz_Body Back**DUT: Digital Two-Way Radio; Type: RDR4280U; Serial: RDG200729008-SA-S3**

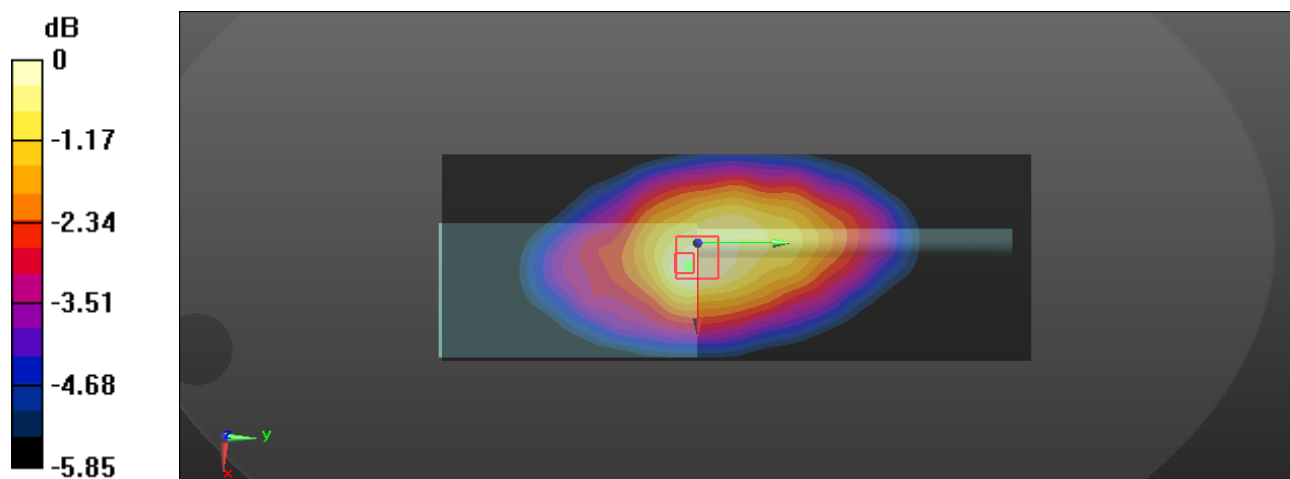
Communication System: 4FSK ; Frequency: 418.662 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.903 \text{ S/m}$; $\epsilon_r = 44.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2019/12/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 5.70 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 78.72 V/m ; Power Drift = -0.15 dB Peak SAR (extrapolated) = 7.32 W/kg **SAR(1 g) = 5.33 W/kg ; SAR(10 g) = 4.13 W/kg** Maximum value of SAR (measured) = 5.63 W/kg  $0 \text{ dB} = 5.63 \text{ W/kg} = 7.51 \text{ dBW/kg}$