

Plot 1#: FM 12.5KHz_418.6625MHz_Face Up**DUT: Two Way Radio; Type: DR7810S-2; Serial: CR22050007-SA-S1**

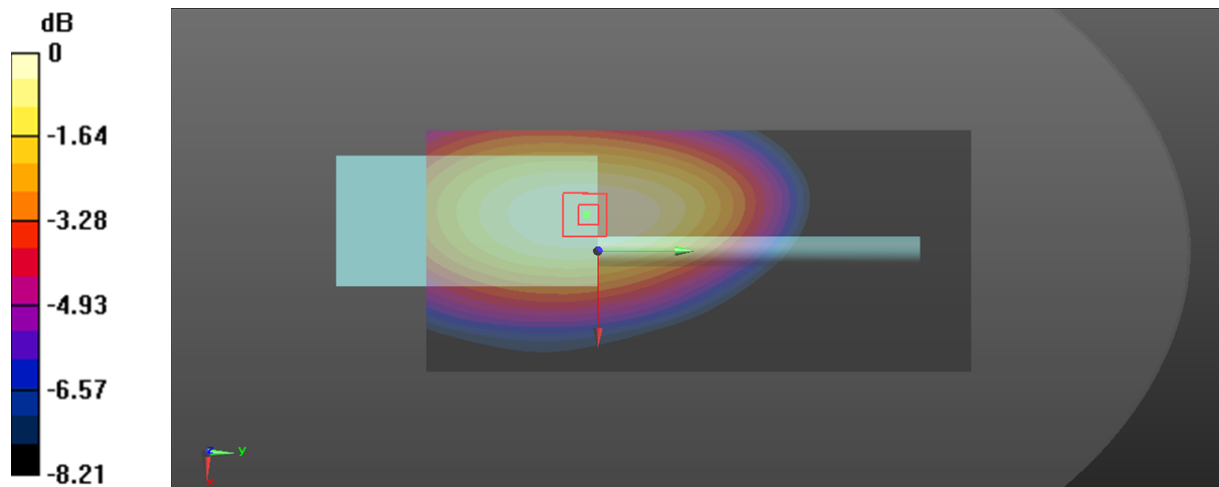
Communication System: FM; Frequency: 418.662 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.846 \text{ S/m}$; $\epsilon_r = 43.698$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.23 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 93.44 V/m ; Power Drift = -0.15 dB Peak SAR (extrapolated) = 9.15 W/kg **SAR(1 g) = 6.71 W/kg ; SAR(10 g) = 4.9 W/kg** Maximum value of SAR (measured) = 7.07 W/kg 0 dB = 7.07 W/kg = 8.49 dBW/kg

Plot 2#: FM 25KHz_418.6625MHz_Face Up**DUT: Two Way Radio; Type: DR7810S-2; Serial: CR22050007-SA-S1**

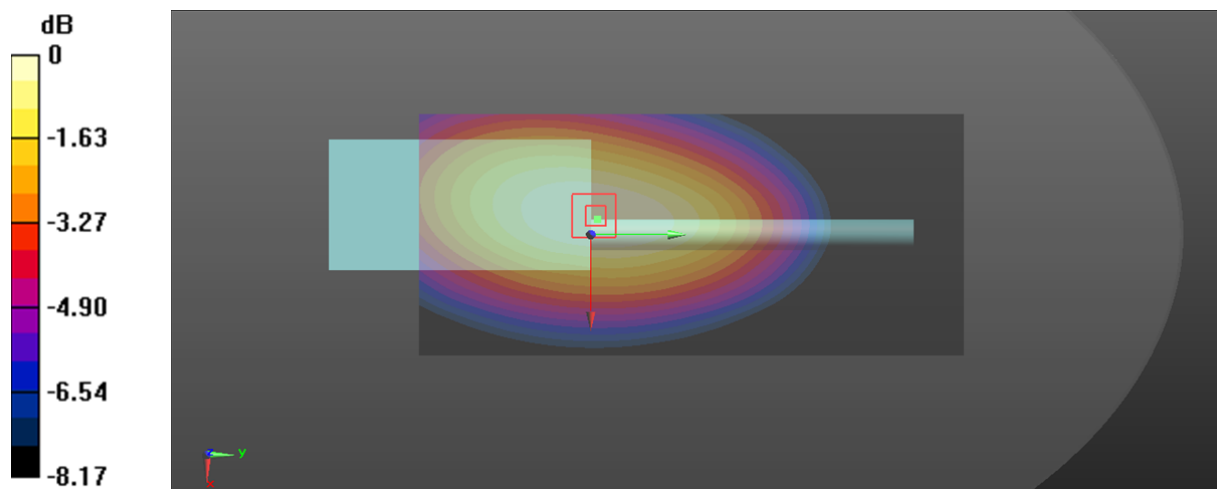
Communication System: FM; Frequency: 418.662 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.846 \text{ S/m}$; $\epsilon_r = 43.698$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.67 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 85.78 V/m ; Power Drift = -0.17 dB Peak SAR (extrapolated) = 8.35 W/kg **SAR(1 g) = 6.14 W/kg ; SAR(10 g) = 4.49 W/kg** Maximum value of SAR (measured) = 6.46 W/kg 0 dB = 6.46 W/kg = 8.10 dBW/kg

Plot 3#: 4FSK 12.5KHz_418.6625MHz_Face Up**DUT: Two Way Radio; Type: DR7810S-2; Serial: CR22050007-SA-S1**

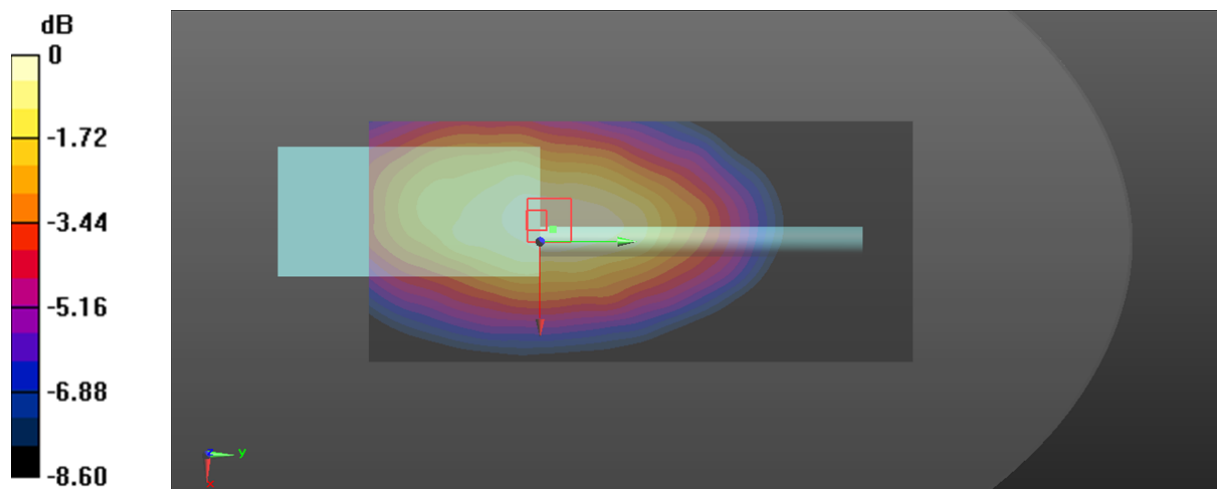
Communication System: 4FSK; Frequency: 418.662 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.846 \text{ S/m}$; $\epsilon_r = 43.698$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.24 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 57.01 V/m ; Power Drift = 0.14 dB Peak SAR (extrapolated) = 4.29 W/kg **SAR(1 g) = 3 W/kg ; SAR(10 g) = 2.18 W/kg** Maximum value of SAR (measured) = 3.24 W/kg 0 dB = 3.24 W/kg = 5.11 dBW/kg

Plot 4#: FM 12.5KHz_400.0125MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-2; Serial: CR22050007-SA-S1**

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

Medium parameters used (extrapolated): $f = 400.012$ MHz; $\sigma = 0.839$ S/m; $\epsilon_r = 44.069$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.45 W/kg

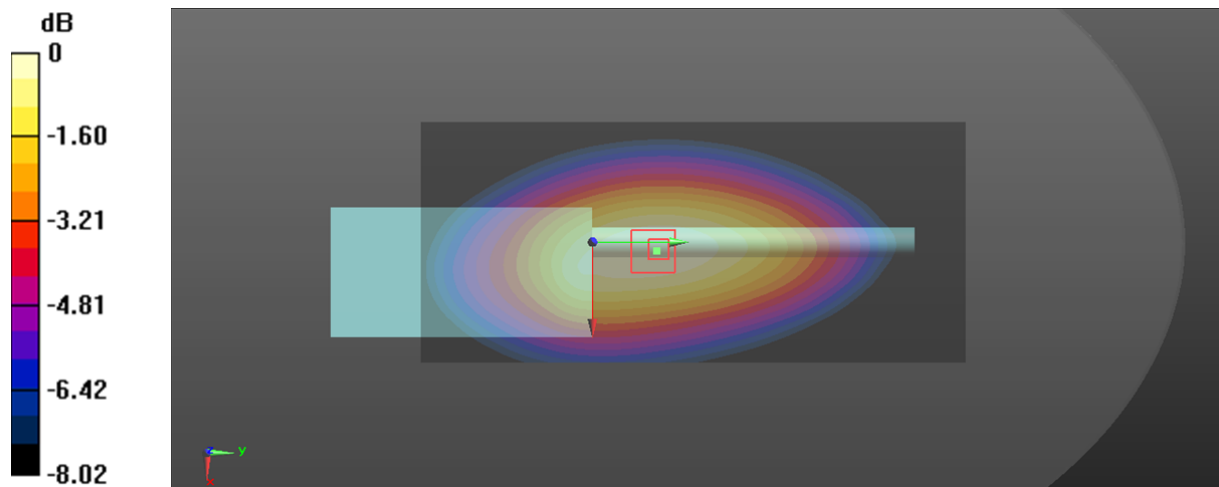
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 86.39 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 9.66 W/kg

SAR(1 g) = 7.07 W/kg; SAR(10 g) = 5.17 W/kg

Maximum value of SAR (measured) = 7.45 W/kg



0 dB = 7.45 W/kg = 8.72 dBW/kg

Plot 5#: FM 12.5KHz_418.662MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-2; Serial: CR22050007-SA-S1**

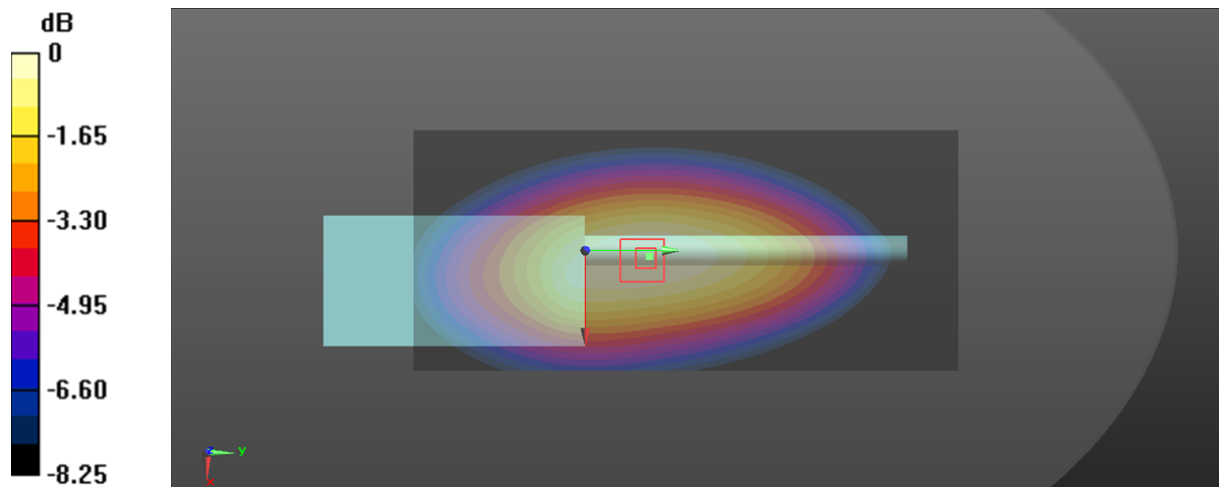
Communication System: FM; Frequency: 418.662 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.846 \text{ S/m}$; $\epsilon_r = 43.698$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 9.72 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 100.6 V/m ; Power Drift = -0.03 dB Peak SAR (extrapolated) = 12.4 W/kg **SAR(1 g) = 9.06 W/kg ; SAR(10 g) = 6.6 W/kg** Maximum value of SAR (measured) = 9.54 W/kg 0 dB = $9.54 \text{ W/kg} = 9.80 \text{ dBW/kg}$

Plot 6#: FM 12.5KHz_437.4875MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-2; Serial: CR22050007-SA-S1**

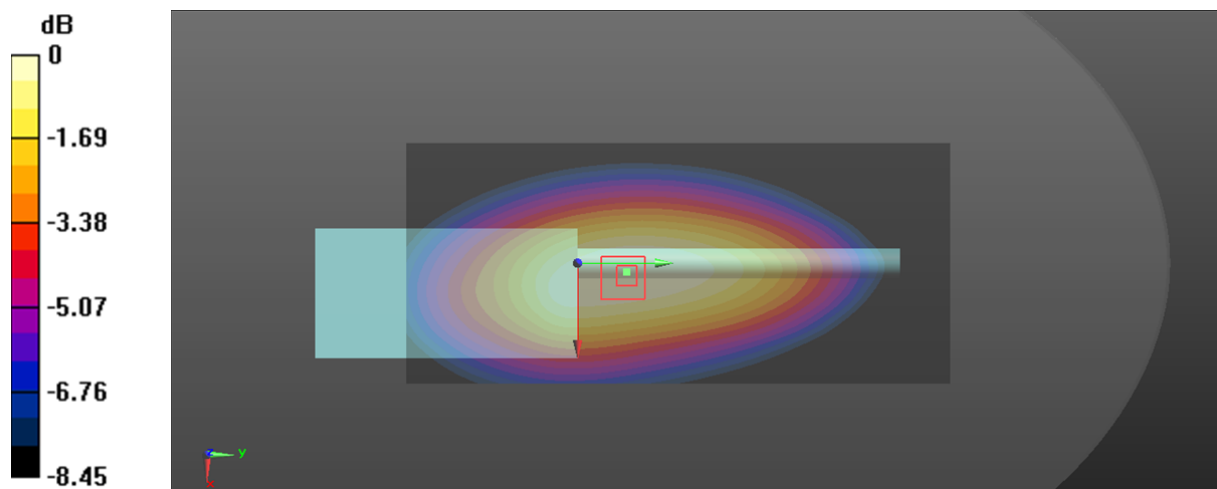
Communication System: FM; Frequency: 437.487 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 437.487 \text{ MHz}$; $\sigma = 0.853 \text{ S/m}$; $\epsilon_r = 43.596$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 437.487 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.59 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 89.90 V/m ; Power Drift = -0.10 dB Peak SAR (extrapolated) = 9.60 W/kg **SAR(1 g) = 6.99 W/kg ; SAR(10 g) = 5.07 W/kg** Maximum value of SAR (measured) = 7.36 W/kg 0 dB = 7.36 W/kg = 8.67 dBW/kg

Plot 7#: FM 12.5KHz_456MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-2; Serial: CR22050007-SA-S1**

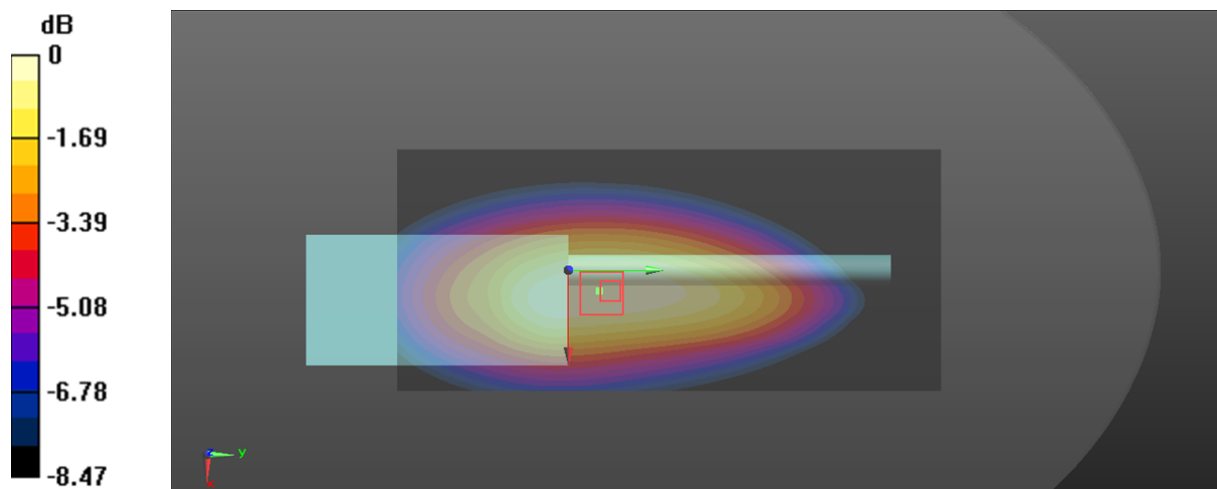
Communication System: FM; Frequency: 456 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 456 \text{ MHz}$; $\sigma = 0.875 \text{ S/m}$; $\epsilon_r = 43.468$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 456 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.08 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 67.69 V/m ; Power Drift = -0.13 dB Peak SAR (extrapolated) = 5.34 W/kg **SAR(1 g) = 3.87 W/kg ; SAR(10 g) = 2.8 W/kg** Maximum value of SAR (measured) = 4.09 W/kg 0 dB = 4.09 W/kg = 6.12 dBW/kg

Plot 8#:FM 12.5KHz_474.6625MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-2; Serial: CR22050007-SA-S1**

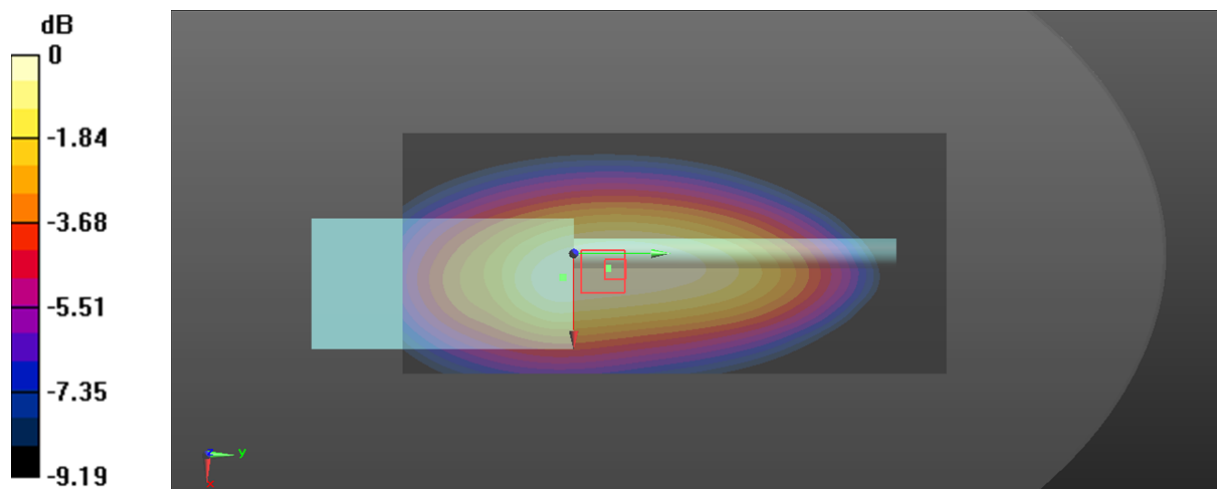
Communication System: FM; Frequency: 474.663 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 474.663 \text{ MHz}$; $\sigma = 0.887 \text{ S/m}$; $\epsilon_r = 43.385$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 474.663 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 2.64 W/kg **Zoom Scan (6x7x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 53.44 V/m ; Power Drift = -0.12 dB Peak SAR (extrapolated) = 3.48 W/kg **SAR(1 g) = 2.5 W/kg ; SAR(10 g) = 1.81 W/kg** Maximum value of SAR (measured) = 2.61 W/kg 0 dB = 2.61 W/kg = 4.17 dBW/kg

Plot 9#: FM 12.5KHz_493.4875MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-2; Serial: CR22050007-SA-S1**

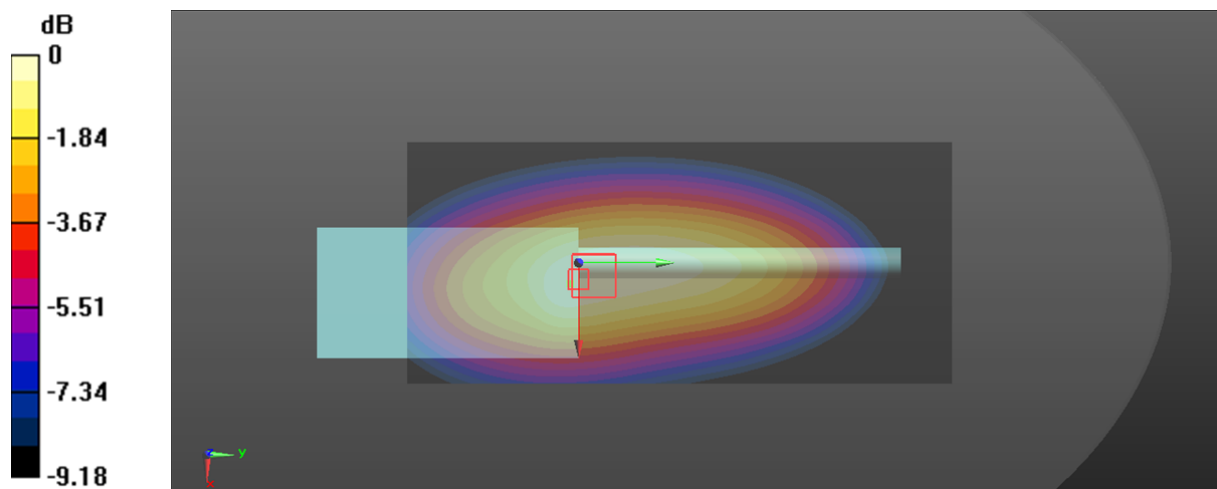
Communication System: FM; Frequency: 493.487 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 493.487 \text{ MHz}$; $\sigma = 0.896 \text{ S/m}$; $\epsilon_r = 43.311$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 493.487 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.86 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 65.11 V/m ; Power Drift = -0.02 dB Peak SAR (extrapolated) = 5.11 W/kg **SAR(1 g) = 3.66 W/kg ; SAR(10 g) = 2.63 W/kg** Maximum value of SAR (measured) = 3.86 W/kg 0 dB = 3.86 W/kg = 5.87 dBW/kg

Plot 10#: FM 12.5KHz_511.9875MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-2; Serial: CR22050007-SA-S1**

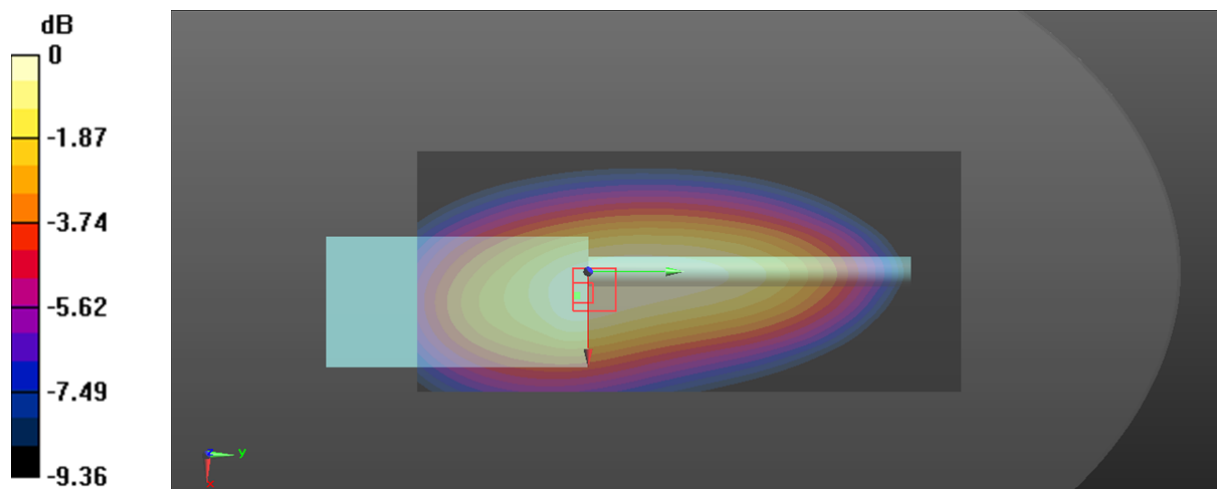
Communication System: FM; Frequency: 511.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 511.988 \text{ MHz}$; $\sigma = 0.904 \text{ S/m}$; $\epsilon_r = 43.034$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 511.988 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.69 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 62.86 V/m ; Power Drift = -0.17 dB Peak SAR (extrapolated) = 4.76 W/kg **SAR(1 g) = 3.37 W/kg ; SAR(10 g) = 2.4 W/kg** Maximum value of SAR (measured) = 3.57 W/kg 0 dB = 3.57 W/kg = 5.53 dBW/kg

Plot 11#: FM 25KHz_400.0125MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-2; Serial: CR22050007-SA-S1**

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

Medium parameters used (extrapolated): $f = 400.012$ MHz; $\sigma = 0.839$ S/m; $\epsilon_r = 44.069$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.68 W/kg

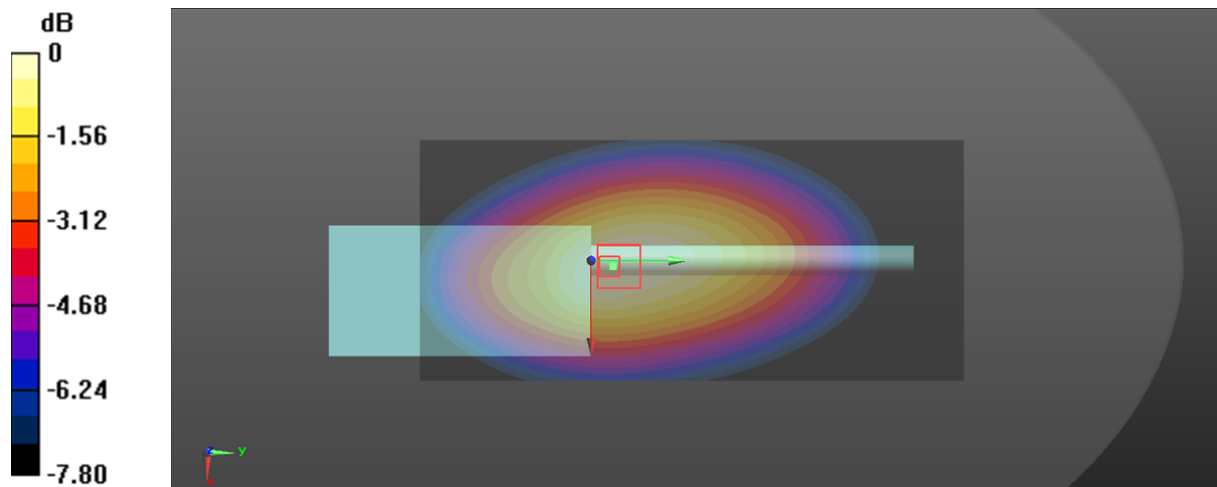
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 86.08 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 8.35 W/kg

SAR(1 g) = 6.24 W/kg; SAR(10 g) = 4.63 W/kg

Maximum value of SAR (measured) = 6.55 W/kg



0 dB = 6.55 W/kg = 8.16 dBW/kg

Plot 12#: FM 25KHz_418.662MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-2; Serial: CR22050007-SA-S1**

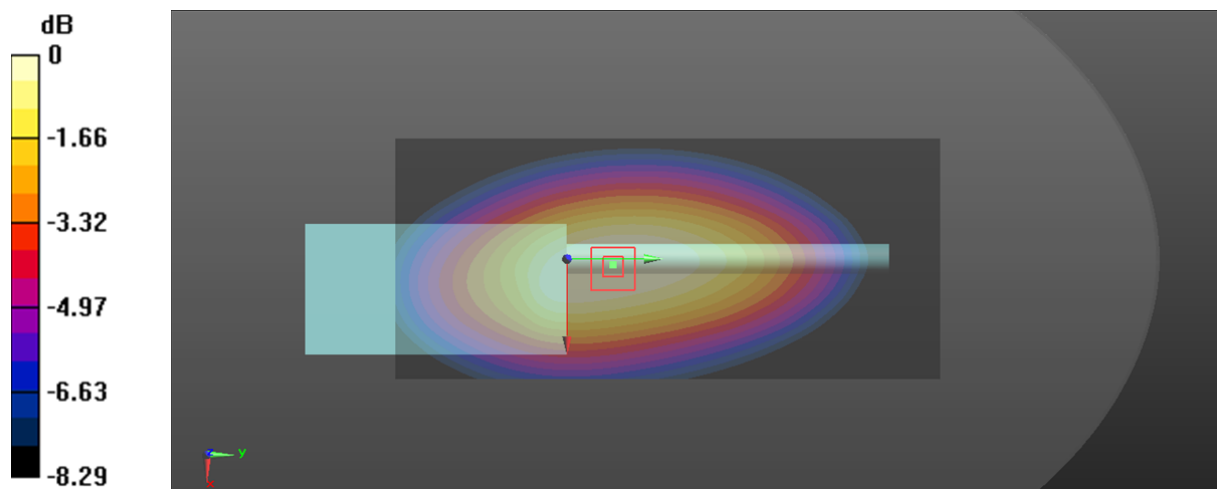
Communication System: FM; Frequency: 418.662 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.846 \text{ S/m}$; $\epsilon_r = 43.698$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.48 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 95.24 V/m ; Power Drift = -0.07 dB Peak SAR (extrapolated) = 10.4 W/kg **SAR(1 g) = 7.63 W/kg ; SAR(10 g) = 5.59 W/kg** Maximum value of SAR (measured) = 8.03 W/kg 0 dB = 8.03 W/kg = 9.05 dBW/kg

Plot 13#: FM 25KHz_437.4875MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-2; Serial: CR22050007-SA-S1**

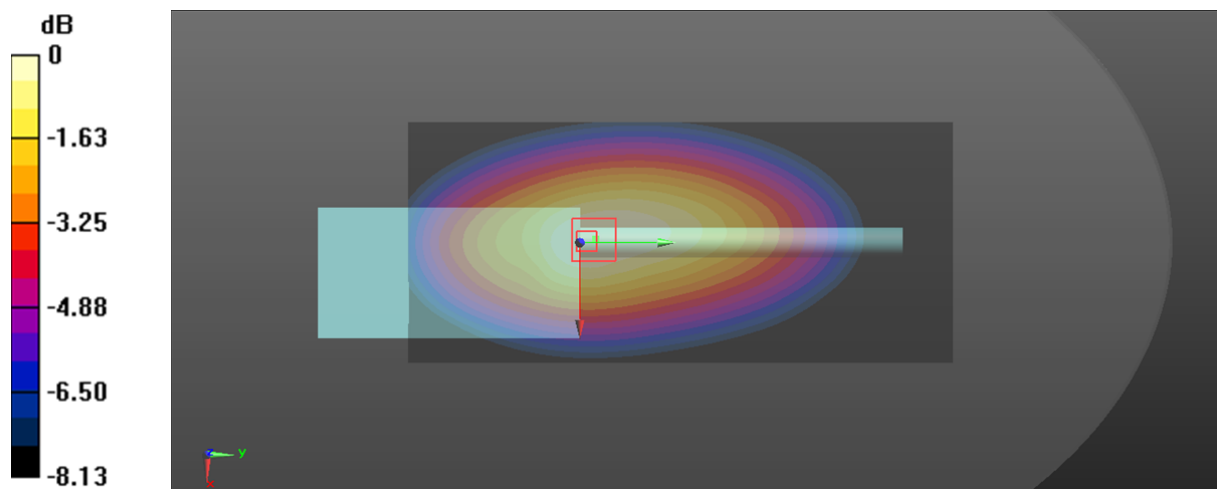
Communication System: FM; Frequency: 437.487 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 437.487 \text{ MHz}$; $\sigma = 0.853 \text{ S/m}$; $\epsilon_r = 43.596$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 437.487 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.96 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 90.17 V/m ; Power Drift = -0.18 dB Peak SAR (extrapolated) = 8.84 W/kg **SAR(1 g) = 6.45 W/kg ; SAR(10 g) = 4.68 W/kg** Maximum value of SAR (measured) = 6.78 W/kg 0 dB = 6.78 W/kg = 8.31 dBW/kg

Plot 14#: FM 25KHz_456MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-2; Serial: CR22050007-SA-S1**

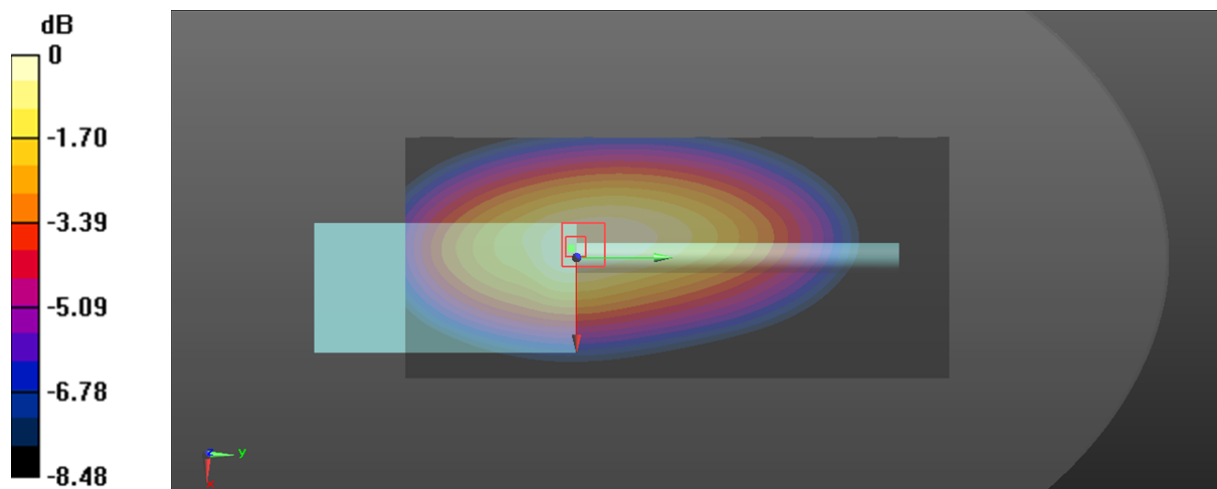
Communication System: FM; Frequency: 456 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 456 \text{ MHz}$; $\sigma = 0.875 \text{ S/m}$; $\epsilon_r = 43.468$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 456 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.30 W/kg **Zoom Scan (5x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 70.42 V/m ; Power Drift = -0.16 dB Peak SAR (extrapolated) = 5.58 W/kg **SAR(1 g) = 4.03 W/kg ; SAR(10 g) = 2.91 W/kg** Maximum value of SAR (measured) = 4.26 W/kg 0 dB = 4.26 W/kg = 6.29 dBW/kg

Plot 15#: FM 25KHz_474.6625MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-2; Serial: CR22050007-SA-S1**

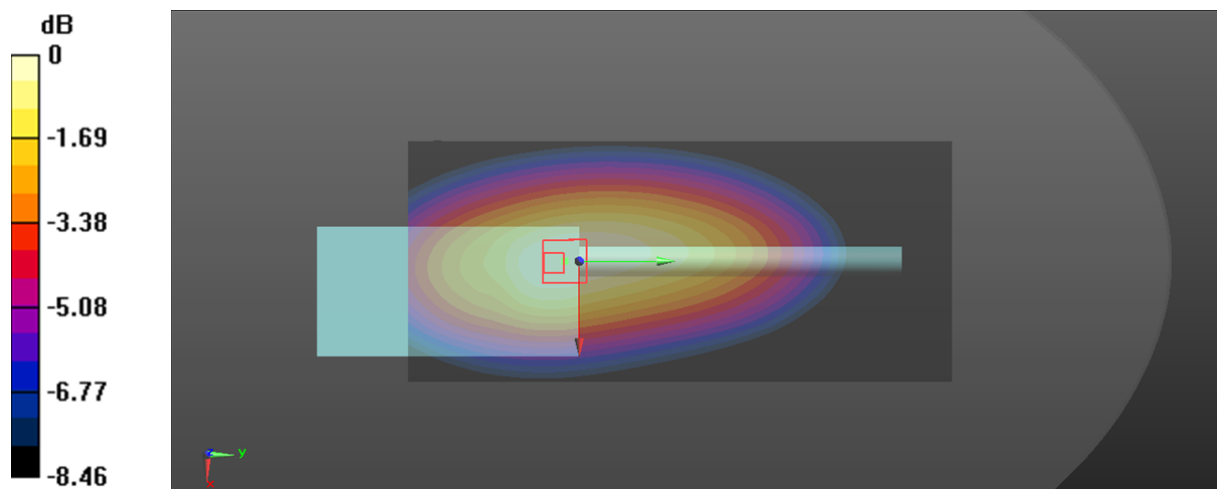
Communication System: FM; Frequency: 474.663 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 474.663 \text{ MHz}$; $\sigma = 0.887 \text{ S/m}$; $\epsilon_r = 43.385$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 474.663 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 2.79 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 56.75 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 3.62 W/kg **SAR(1 g) = 2.62 W/kg ; SAR(10 g) = 1.89 W/kg** Maximum value of SAR (measured) = 2.77 W/kg 0 dB = 2.77 W/kg = 4.42 dBW/kg

Plot 16#: FM 25KHz_493.4875MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-2; Serial: CR22050007-SA-S1**

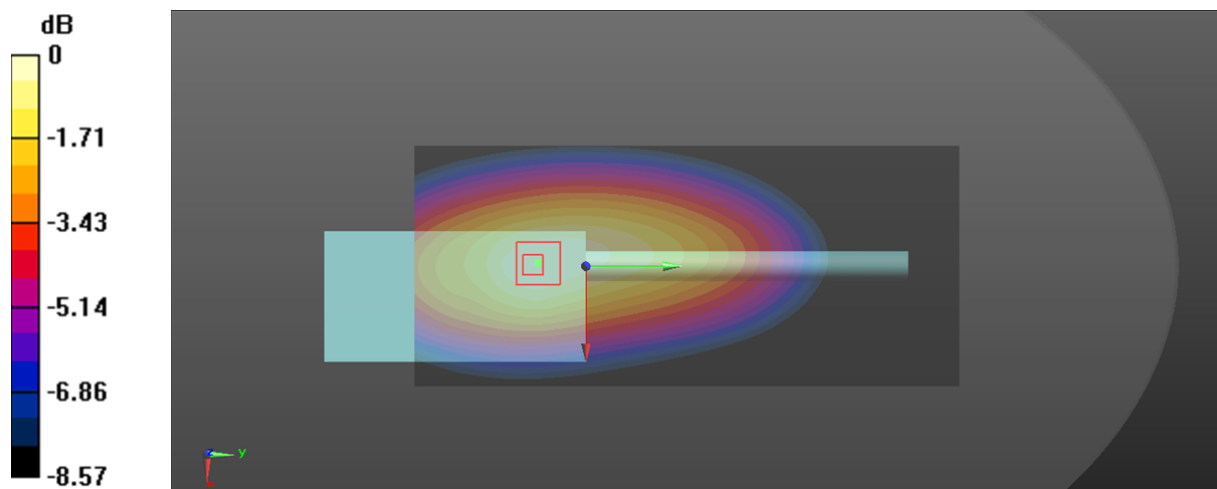
Communication System: FM; Frequency: 493.487 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 493.487 \text{ MHz}$; $\sigma = 0.896 \text{ S/m}$; $\epsilon_r = 43.311$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 493.487 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.90 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 63.54 V/m ; Power Drift = 0.04 dB Peak SAR (extrapolated) = 5.15 W/kg **SAR(1 g) = 3.68 W/kg ; SAR(10 g) = 2.62 W/kg** Maximum value of SAR (measured) = 3.88 W/kg 0 dB = 3.88 W/kg = 5.89 dBW/kg

Plot 17#: FM 25KHz_511.9875MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-2; Serial: CR22050007-SA-S1**

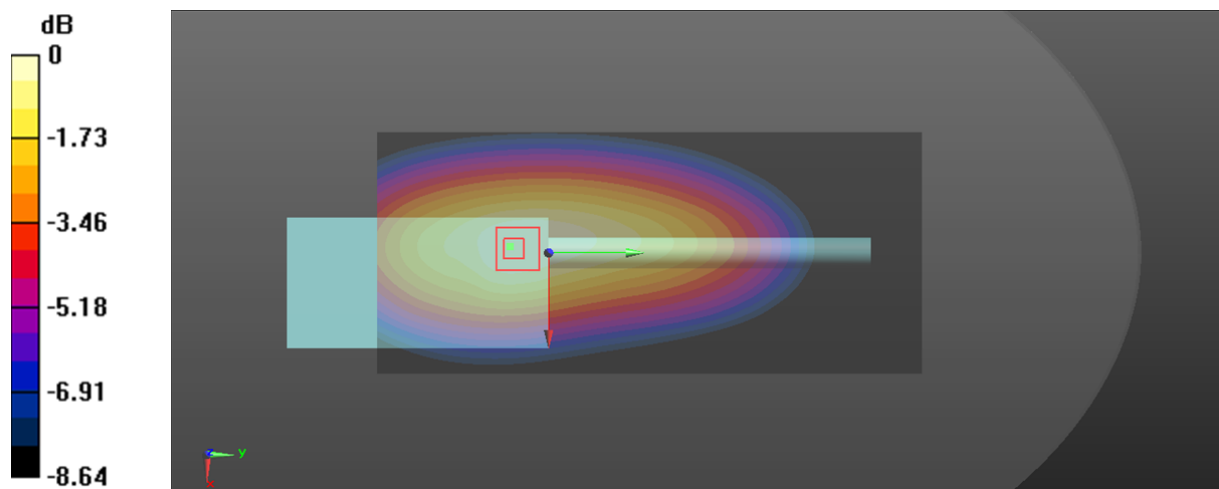
Communication System: FM; Frequency: 511.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 511.988 \text{ MHz}$; $\sigma = 0.904 \text{ S/m}$; $\epsilon_r = 43.034$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 511.988 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.99 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 65.56 V/m ; Power Drift = -0.08 dB Peak SAR (extrapolated) = 5.16 W/kg **SAR(1 g) = 3.69 W/kg ; SAR(10 g) = 2.63 W/kg** Maximum value of SAR (measured) = 3.91 W/kg 0 dB = 3.91 W/kg = 5.92 dBW/kg

Plot 18#: 4FSK 12.5KHz_418.662MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-2; Serial: CR22050007-SA-S1**

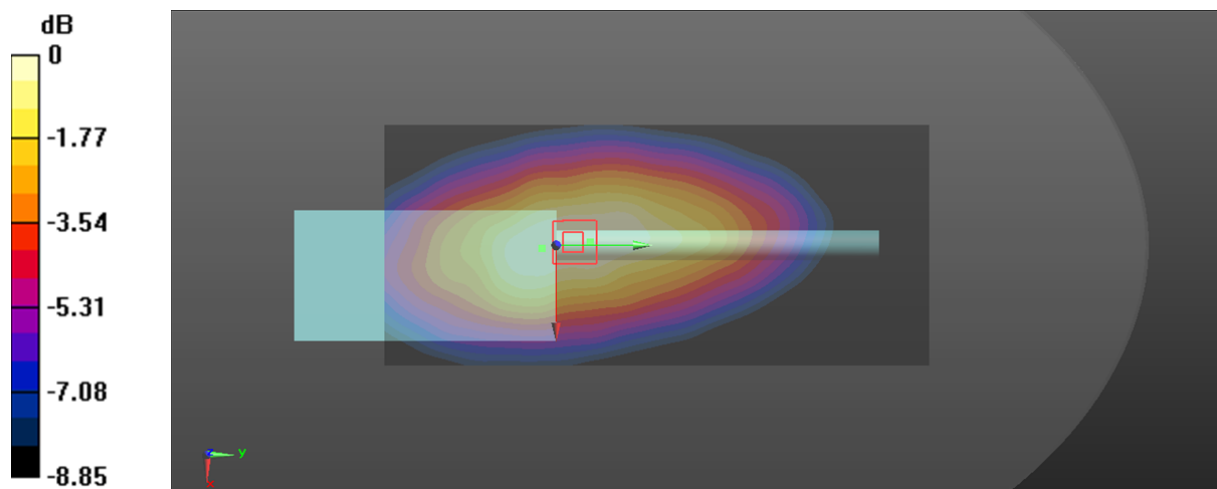
Communication System: 4FSK; Frequency: 418.662 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.846 \text{ S/m}$; $\epsilon_r = 43.698$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.69 W/kg **Zoom Scan (5x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 72.32 V/m ; Power Drift = -0.18 dB Peak SAR (extrapolated) = 6.15 W/kg **SAR(1 g) = 4.27 W/kg ; SAR(10 g) = 3.06 W/kg** Maximum value of SAR (measured) = 4.54 W/kg 0 dB = 4.54 W/kg = 6.57 dBW/kg

Plot 19#: FM 12.5KHz_418.6625MHz_Face Up**DUT: Two Way Radio; Type: DR7610S-2; Serial: CR22050007-SA-S2**

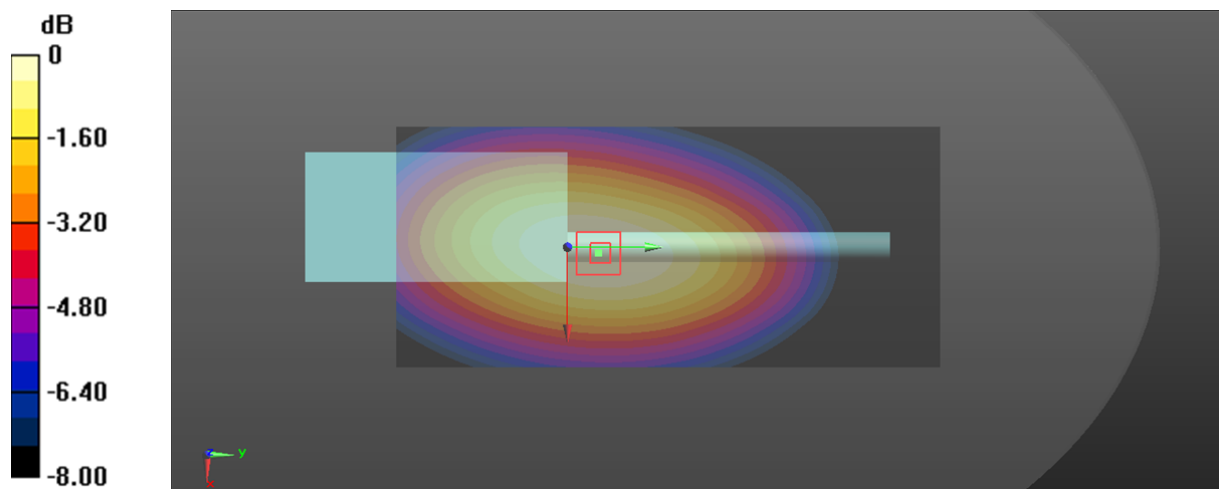
Communication System: FM; Frequency: 418.662 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.846 \text{ S/m}$; $\epsilon_r = 43.698$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 5.49 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 79.85 V/m ; Power Drift = -0.07 dB Peak SAR (extrapolated) = 6.84 W/kg **SAR(1 g) = 5.05 W/kg ; SAR(10 g) = 3.72 W/kg** Maximum value of SAR (measured) = 5.30 W/kg 0 dB = 5.30 W/kg = 7.24 dBW/kg

Plot 20#: FM 25KHz_418.6625MHz_Face Up**DUT: Two Way Radio; Type: DR7610S-2; Serial: CR22050007-SA-S2**

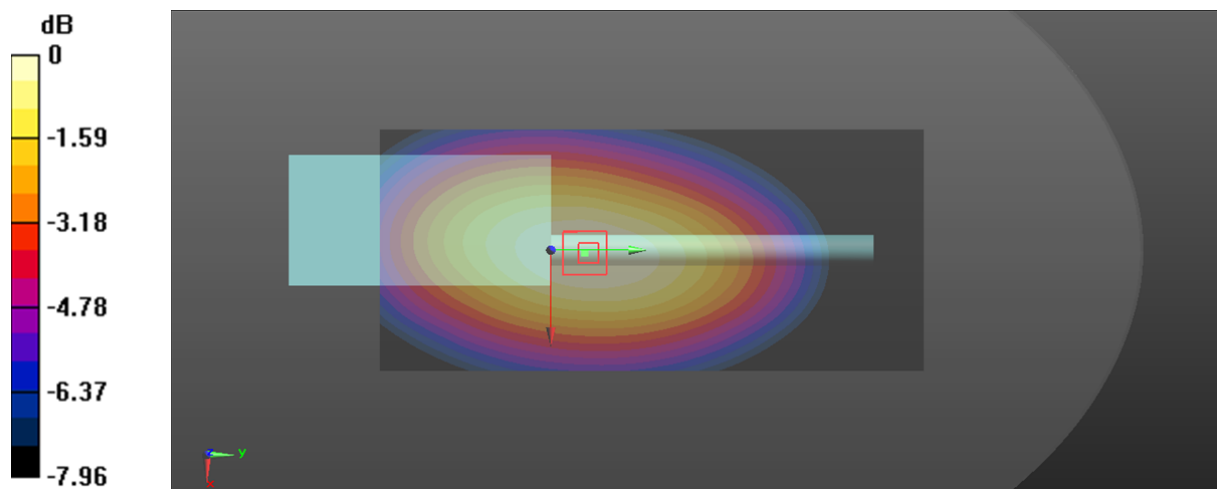
Communication System: FM; Frequency: 418.662 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.846 \text{ S/m}$; $\epsilon_r = 43.698$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.18 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 84.42 V/m ; Power Drift = -0.14 dB Peak SAR (extrapolated) = 7.84 W/kg **SAR(1 g) = 5.82 W/kg ; SAR(10 g) = 4.29 W/kg** Maximum value of SAR (measured) = 6.11 W/kg 0 dB = 6.11 W/kg = 7.86 dBW/kg

Plot 21#:4FSK 12.5KHz_418.6625MHz_Face Up**DUT: Two Way Radio; Type: DR7610S-2; Serial: CR22050007-SA-S2**

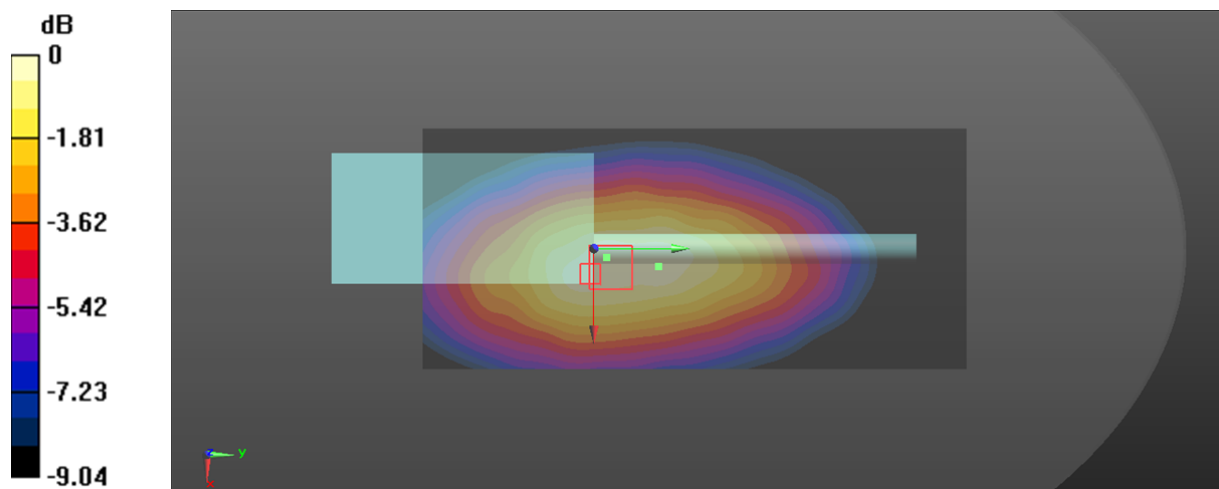
Communication System: 4FSK; Frequency: 418.662 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.846 \text{ S/m}$; $\epsilon_r = 43.698$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.12 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 66.80 V/m ; Power Drift = -0.05 dB Peak SAR (extrapolated) = 5.41 W/kg **SAR(1 g) = 3.85 W/kg ; SAR(10 g) = 2.79 W/kg** Maximum value of SAR (measured) = 4.22 W/kg 0 dB = 4.22 W/kg = 6.25 dBW/kg

Plot 22#: FM 12.5KHz_400.0125MHz_Body Back**DUT: Two Way Radio; Type: DR7610S-2; Serial: CR22050007-SA-S2**

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

Medium parameters used (extrapolated): $f = 400.012$ MHz; $\sigma = 0.839$ S/m; $\epsilon_r = 44.069$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.12 W/kg

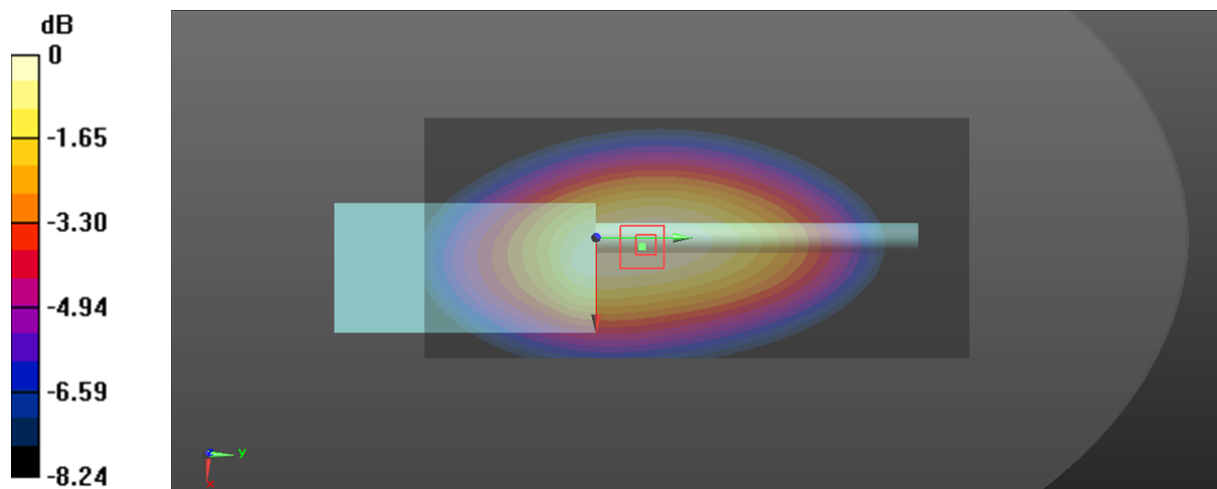
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 87.97 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 9.21 W/kg

SAR(1 g) = 6.68 W/kg; SAR(10 g) = 4.85 W/kg

Maximum value of SAR (measured) = 7.03 W/kg



0 dB = 7.03 W/kg = 8.47 dBW/kg

Plot 23#: FM 12.5KHz_ 418.662MHz_ Body Back**DUT: Two Way Radio; Type: DR7610S-2; Serial: CR22050007-SA-S2**

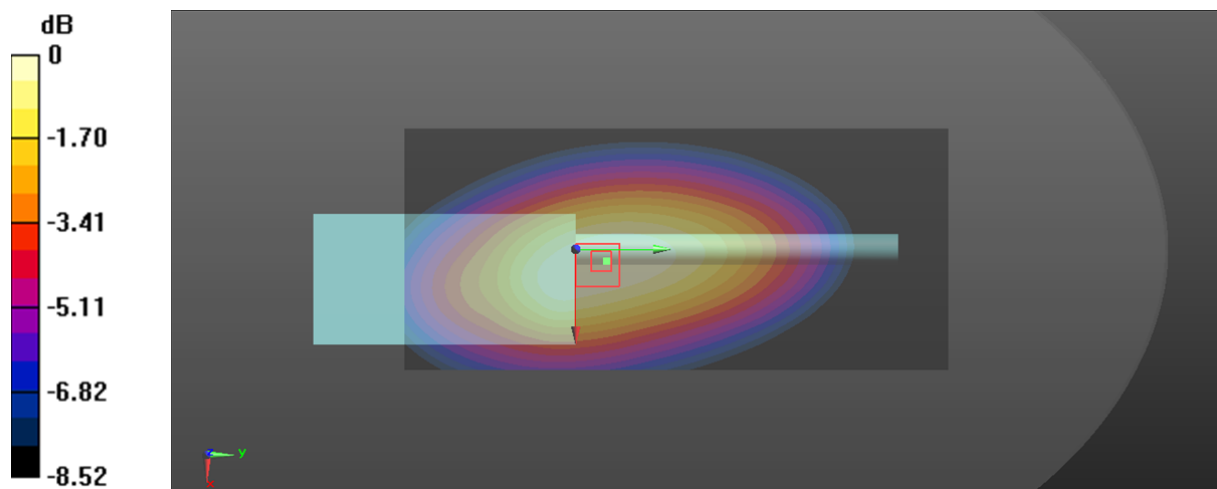
Communication System: FM; Frequency: 418.662 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.87 \text{ S/m}$; $\epsilon_r = 43.88$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 9.23 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 100.2 V/m ; Power Drift = -0.15 dB Peak SAR (extrapolated) = 11.9 W/kg **SAR(1 g) = 8.66 W/kg ; SAR(10 g) = 6.27 W/kg** Maximum value of SAR (measured) = 9.13 W/kg 0 dB = 9.13 W/kg = 9.60 dBW/kg

Plot 24#: FM 12.5KHz_43.4875MHz_Body Back**DUT: Two Way Radio; Type: DR7610S-2; Serial: CR22050007-SA-S2**

Communication System: FM; Frequency: 43.487 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 437.487$ MHz; $\sigma = 0.853$ S/m; $\epsilon_r = 43.596$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 43.487 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.78 W/kg

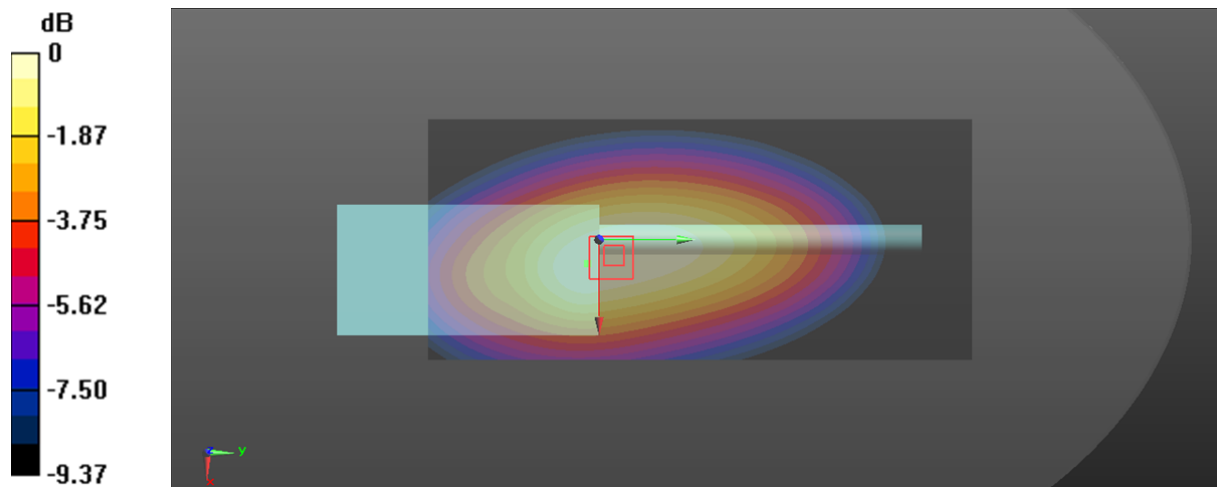
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 85.13 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 8.64 W/kg

SAR(1 g) = 6.27 W/kg; SAR(10 g) = 4.53 W/kg

Maximum value of SAR (measured) = 6.56 W/kg



0 dB = 6.56 W/kg = 8.17 dBW/kg

Plot 25#: FM 12.5KHz_456MHz_Body Back**DUT: Two Way Radio; Type: DR7610S-2; Serial: CR22050007-SA-S2**

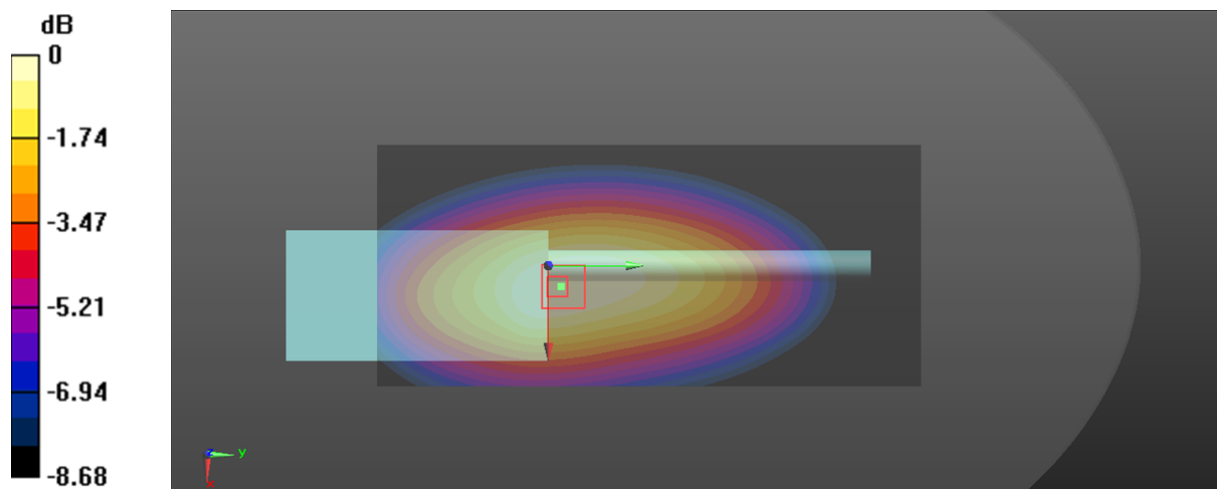
Communication System: FM; Frequency: 456 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 456 \text{ MHz}$; $\sigma = 0.875 \text{ S/m}$; $\epsilon_r = 43.648$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 456 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.93 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 64.79 V/m ; Power Drift = -0.15 dB Peak SAR (extrapolated) = 5.05 W/kg **SAR(1 g) = 3.66 W/kg ; SAR(10 g) = 2.64 W/kg** Maximum value of SAR (measured) = 3.86 W/kg 0 dB = $3.86 \text{ W/kg} = 5.87 \text{ dBW/kg}$

Plot 26#: FM 12.5KHz_ 474.6625MHz_ Body Back**DUT: Two Way Radio; Type: DR7610S-2; Serial: CR22050007-SA-S2**

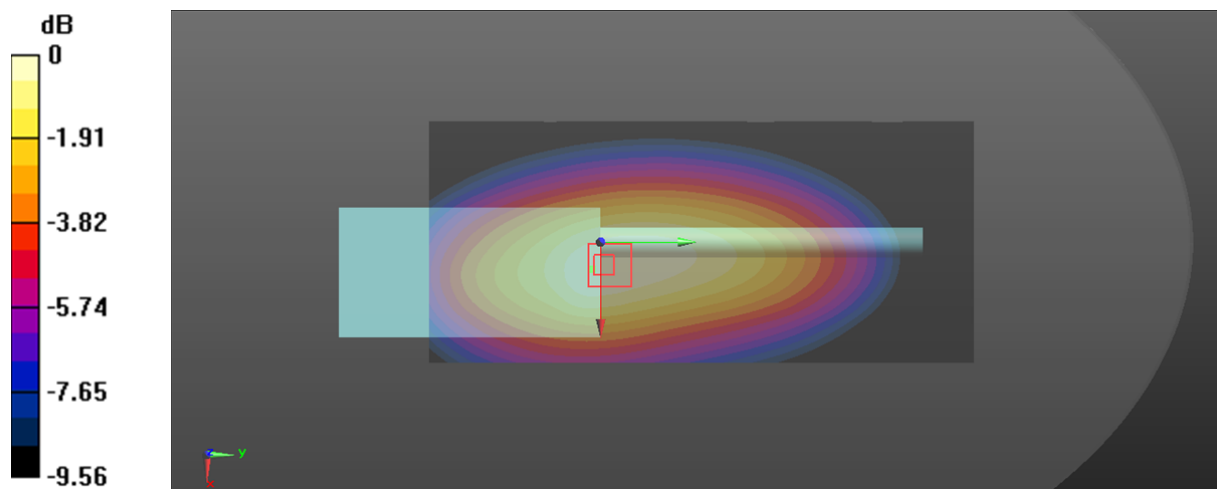
Communication System: FM; Frequency: 474.663 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 474.663 \text{ MHz}$; $\sigma = 0.887 \text{ S/m}$; $\epsilon_r = 43.385$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 474.663 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 2.55 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 51.58 V/m ; Power Drift = -0.06 dB Peak SAR (extrapolated) = 3.40 W/kg **SAR(1 g) = 2.43 W/kg ; SAR(10 g) = 1.73 W/kg** Maximum value of SAR (measured) = 2.56 W/kg 0 dB = 2.56 W/kg = 4.08 dBW/kg

Plot 27#: FM 12.5KHz_493.4875MHz_Body Back**DUT: Two Way Radio; Type: DR7610S-2; Serial: CR22050007-SA-S2**

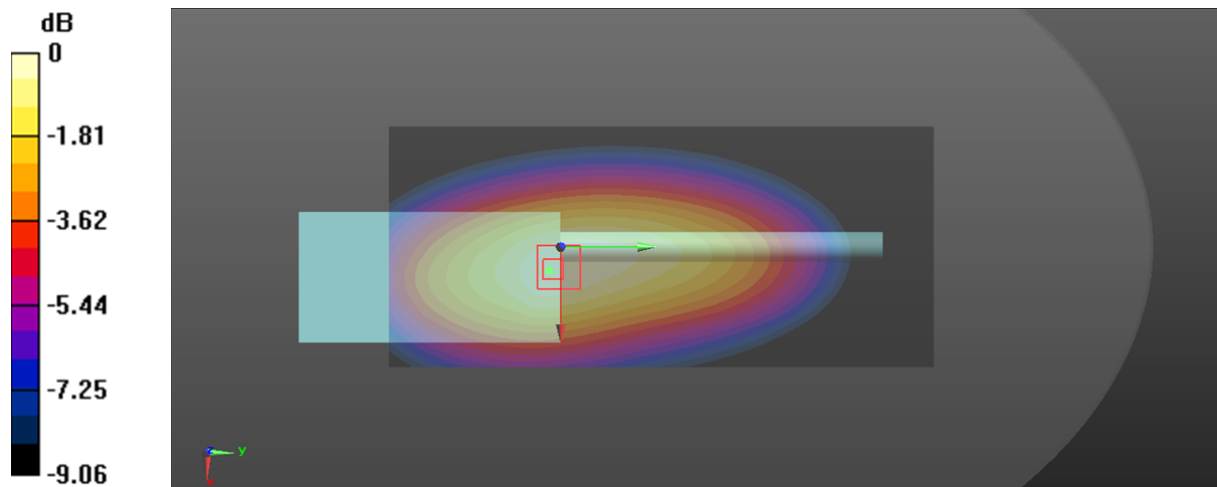
Communication System: FM; Frequency: 493.487 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 493.487 \text{ MHz}$; $\sigma = 0.896 \text{ S/m}$; $\epsilon_r = 43.311$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 493.487 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.63 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 61.84 V/m ; Power Drift = 0.01 dB Peak SAR (extrapolated) = 4.83 W/kg **SAR(1 g) = 3.44 W/kg ; SAR(10 g) = 2.44 W/kg** Maximum value of SAR (measured) = 3.65 W/kg 0 dB = 3.65 W/kg = 5.62 dBW/kg

Plot 28#: FM 12.5KHz_511.9875MHz_Body Back**DUT: Two Way Radio; Type: DR7610S-2; Serial: CR22050007-SA-S2**

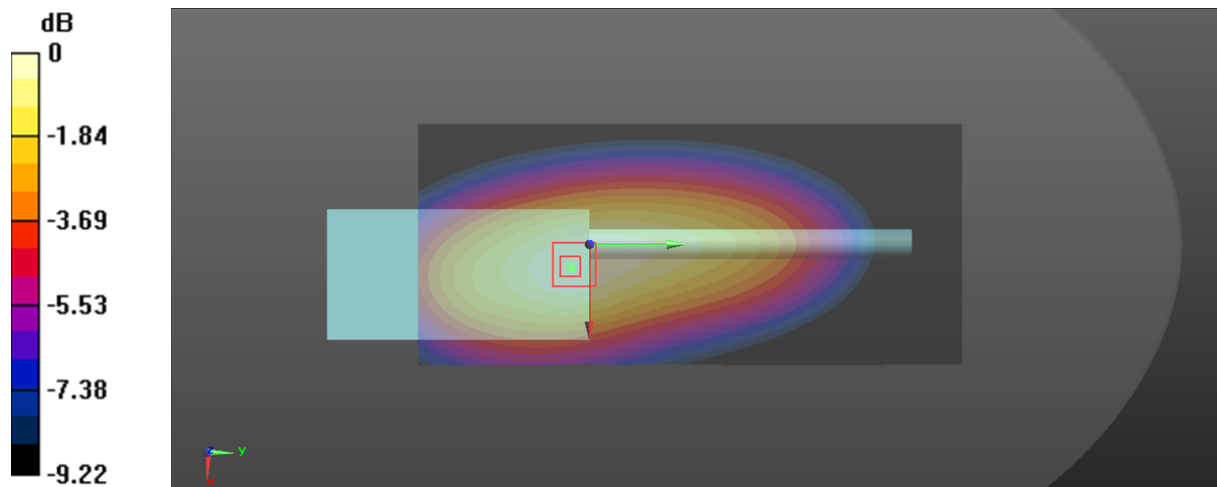
Communication System: FM; Frequency: 511.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 511.988 \text{ MHz}$; $\sigma = 0.904 \text{ S/m}$; $\epsilon_r = 43.034$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 511.988 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.62 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 62.44 V/m ; Power Drift = -0.13 dB Peak SAR (extrapolated) = 4.78 W/kg **SAR(1 g) = 3.37 W/kg ; SAR(10 g) = 2.37 W/kg** Maximum value of SAR (measured) = 3.57 W/kg 0 dB = 3.57 W/kg = 5.53 dBW/kg

Plot 29#: FM 25KHz_400.0125MHz_Body Back**DUT: Two Way Radio; Type: DR7610S-2; Serial: CR22050007-SA-S2**

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

Medium parameters used (extrapolated): $f = 400.012$ MHz; $\sigma = 0.839$ S/m; $\epsilon_r = 44.069$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.72 W/kg

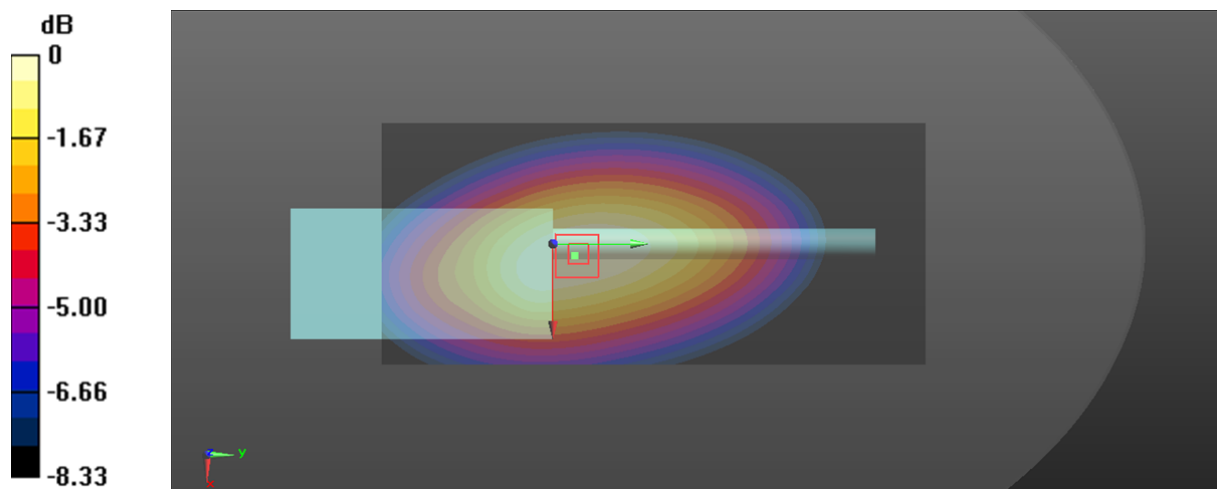
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 85.52 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 8.65 W/kg

SAR(1 g) = 6.31 W/kg; SAR(10 g) = 4.59 W/kg

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



0 dB = 6.65 W/kg = 8.23 dBW/kg

Plot 30#: FM 25KHz_418.6625MHz_Body Back**DUT: Two Way Radio; Type: DR7610S-2; Serial: CR22050007-SA-S2**

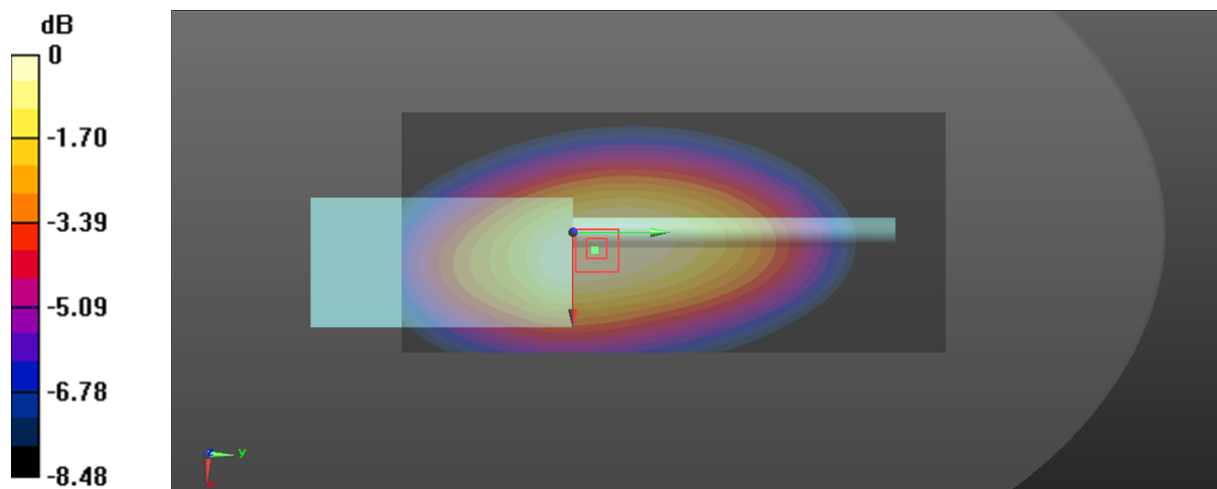
Communication System: FM; Frequency: 418.662 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.87 \text{ S/m}$; $\epsilon_r = 43.88$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.84 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 97.44 V/m ; Power Drift = -0.17 dB Peak SAR (extrapolated) = 11.3 W/kg **SAR(1 g) = 8.25 W/kg ; SAR(10 g) = 5.99 W/kg** Maximum value of SAR (measured) = 8.71 W/kg 0 dB = 8.71 W/kg = 9.40 dBW/kg

Plot 31#: FM 25KHz_43.4875MHz_Body Back**DUT: Two Way Radio; Type: DR7610S-2; Serial: CR22050007-SA-S2**

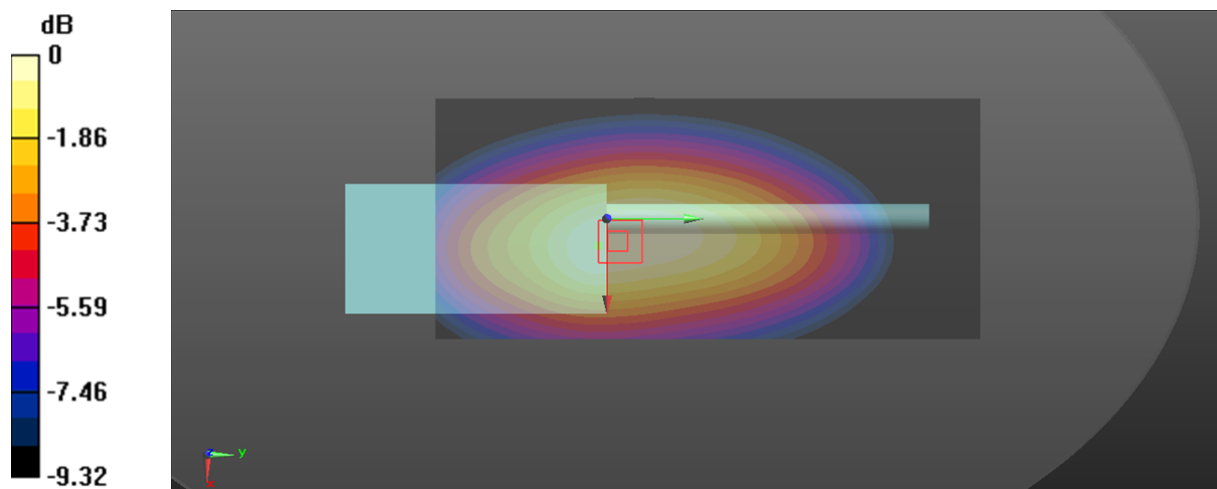
Communication System: FM; Frequency: 43.487 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 437.487 \text{ MHz}$; $\sigma = 0.853 \text{ S/m}$; $\epsilon_r = 43.596$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 43.487 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.53 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 83.36 V/m ; Power Drift = -0.12 dB Peak SAR (extrapolated) = 8.42 W/kg **SAR(1 g) = 6.11 W/kg ; SAR(10 g) = 4.41 W/kg** Maximum value of SAR (measured) = 6.43 W/kg 0 dB = 6.43 W/kg = 8.08 dBW/kg

Plot 32#: FM 25KHz_456MHz_Body Back**DUT: Two Way Radio; Type: DR7610S-2; Serial: CR22050007-SA-S2**

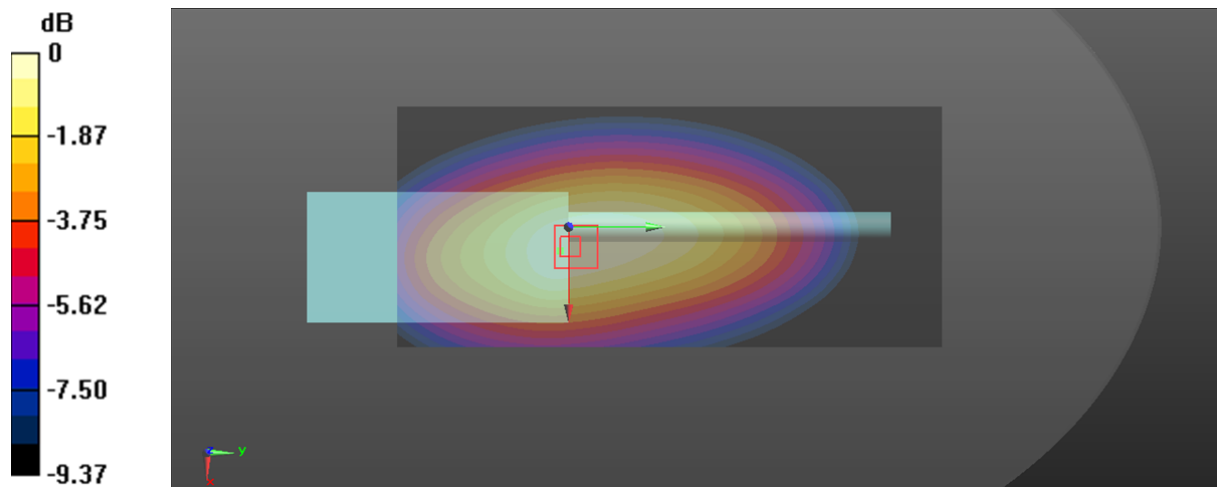
Communication System: FM; Frequency: 456 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 456 \text{ MHz}$; $\sigma = 0.875 \text{ S/m}$; $\epsilon_r = 43.648$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 456 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.03 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 66.02 V/m ; Power Drift = -0.16 dB Peak SAR (extrapolated) = 5.21 W/kg **SAR(1 g) = 3.75 W/kg ; SAR(10 g) = 2.69 W/kg** Maximum value of SAR (measured) = 3.94 W/kg 0 dB = 3.94 W/kg = 5.95 dBW/kg

Plot 33#: FM 25KHz_474.6625MHz_Body Back**DUT: Two Way Radio; Type: DR7610S-2; Serial: CR22050007-SA-S2**

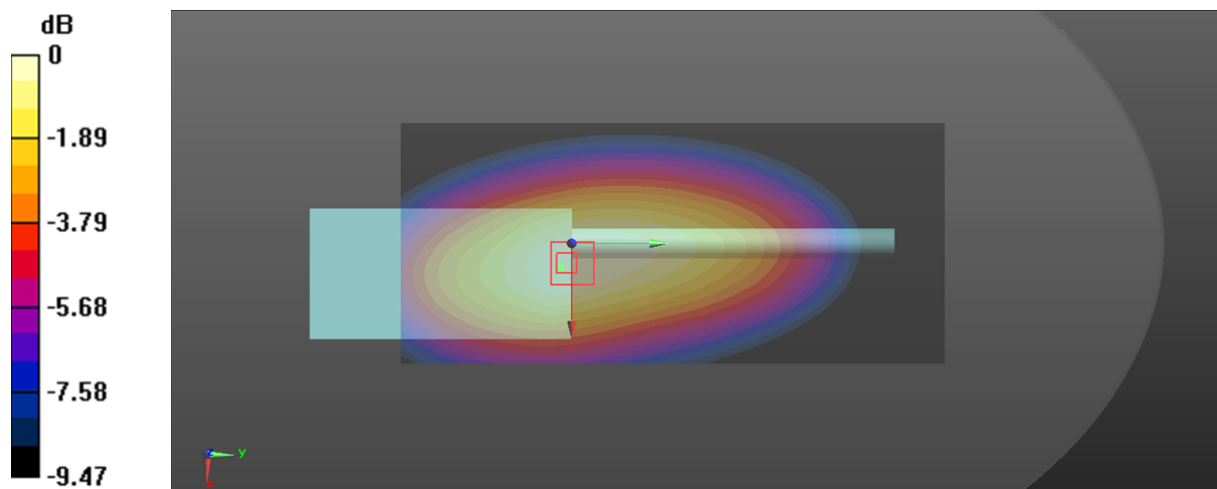
Communication System: FM; Frequency: 474.663 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 474.663 \text{ MHz}$; $\sigma = 0.887 \text{ S/m}$; $\epsilon_r = 43.385$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 474.663 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 2.55 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 52.33 V/m ; Power Drift = -0.08 dB Peak SAR (extrapolated) = 3.35 W/kg **SAR(1 g) = 2.39 W/kg ; SAR(10 g) = 1.7 W/kg** Maximum value of SAR (measured) = 2.52 W/kg 0 dB = 2.52 W/kg = 4.01 dBW/kg

Plot 34#: FM 25KHz_493.4875MHz_Body Back**DUT: Two Way Radio; Type: DR7610S-2; Serial: CR22050007-SA-S2**

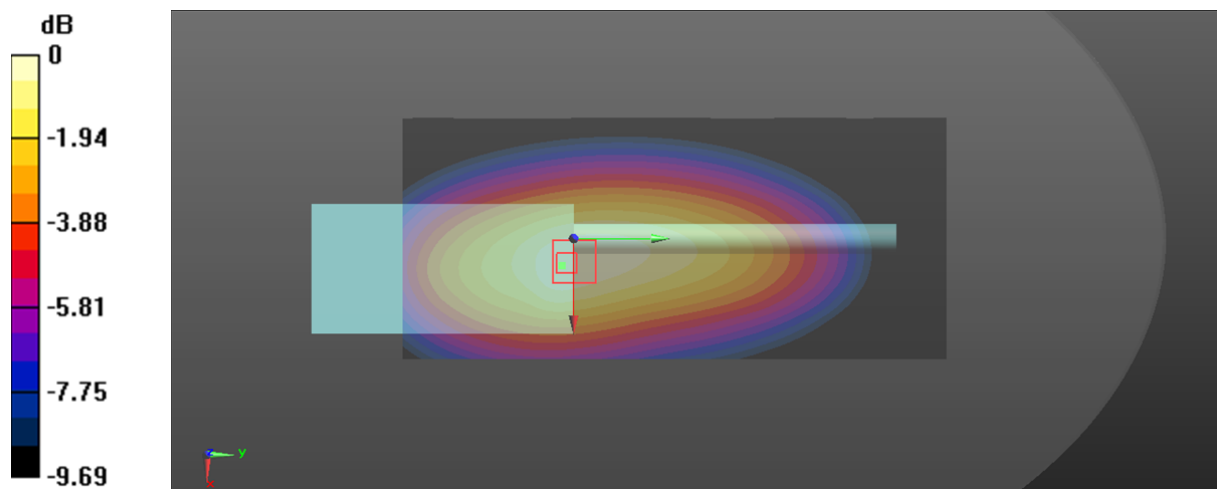
Communication System: FM; Frequency: 493.487 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 493.487 \text{ MHz}$; $\sigma = 0.896 \text{ S/m}$; $\epsilon_r = 43.311$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 493.487 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.74 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 62.03 V/m ; Power Drift = -0.01 dB Peak SAR (extrapolated) = 5.03 W/kg **SAR(1 g) = 3.54 W/kg ; SAR(10 g) = 2.49 W/kg** Maximum value of SAR (measured) = 3.75 W/kg 0 dB = 3.75 W/kg = 5.74 dBW/kg

Plot 35#: FM 25KHz_511.9875MHz_Body Back**DUT: Two Way Radio; Type: DR7610S-2; Serial: CR22050007-SA-S2**

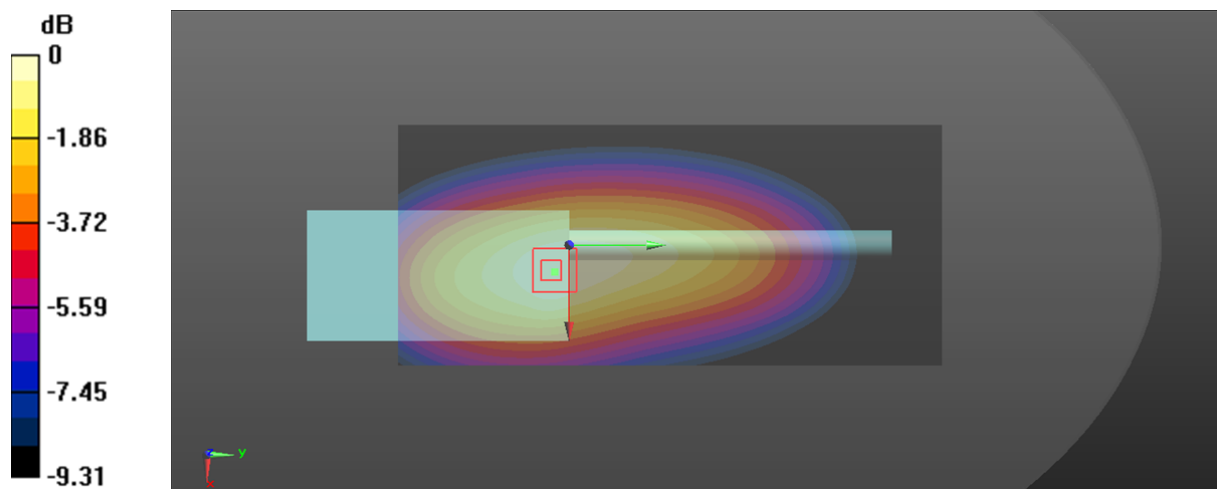
Communication System: FM; Frequency: 511.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 511.988 \text{ MHz}$; $\sigma = 0.904 \text{ S/m}$; $\epsilon_r = 43.034$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 511.988 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.68 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 61.17 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 4.84 W/kg **SAR(1 g) = 3.39 W/kg ; SAR(10 g) = 2.37 W/kg** Maximum value of SAR (measured) = 3.59 W/kg 0 dB = 3.59 W/kg = 5.55 dBW/kg

Plot 36#:4FSK 12.5KHz_418.662MHz_Body Back**DUT: Two Way Radio; Type: DR7610S-2; Serial: CR22050007-SA-S2**

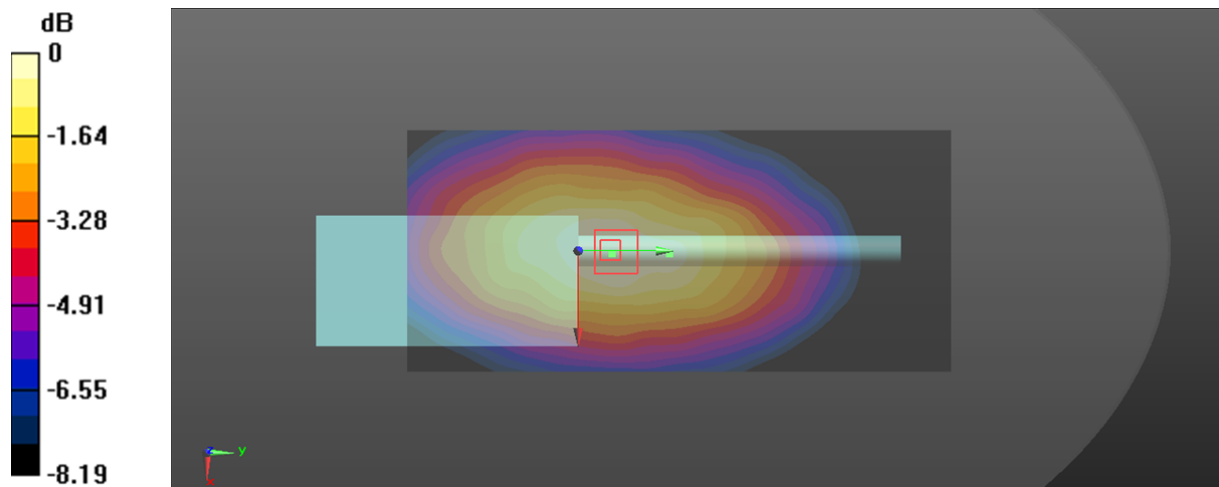
Communication System: 4FSK; Frequency: 418.662 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.87 \text{ S/m}$; $\epsilon_r = 43.88$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.11 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 56.72 V/m ; Power Drift = 0.07 dB Peak SAR (extrapolated) = 3.94 W/kg **SAR(1 g) = 2.83 W/kg ; SAR(10 g) = 2.07 W/kg** Maximum value of SAR (measured) = 3.01 W/kg 0 dB = 3.01 W/kg = 4.79 dBW/kg

Plot 37#: FM 12.5kHz_ 418.6625MHz_Face Up**DUT: Two Way Radio; Type: DR7510S-2; Serial: CR22050007-SA-S3**

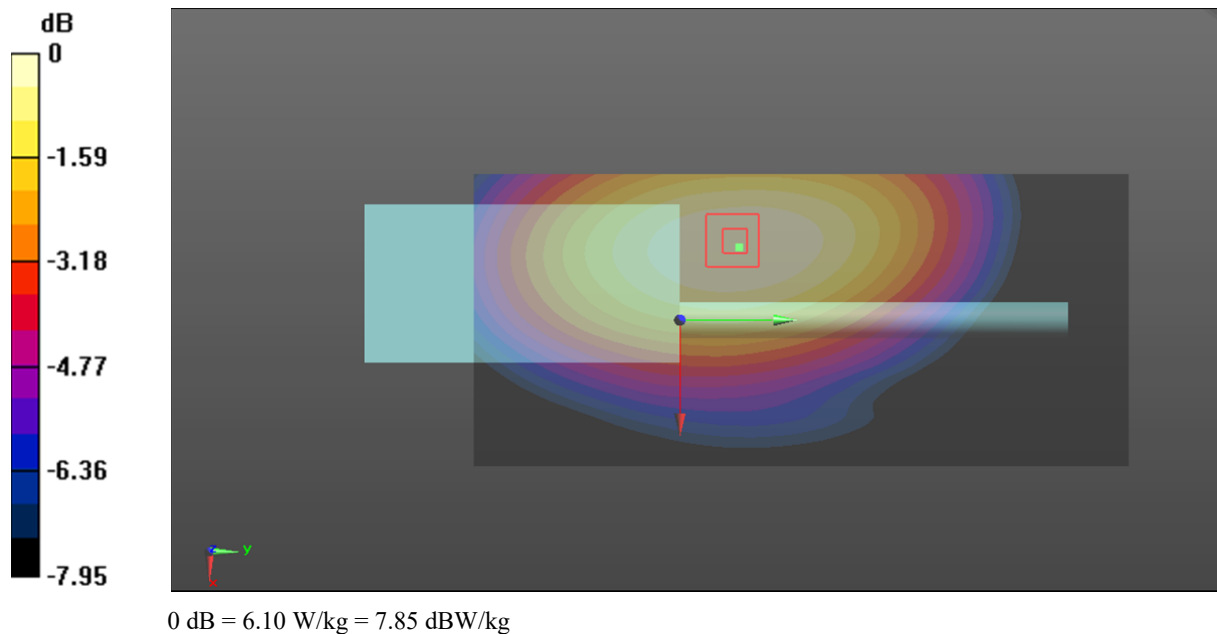
Communication System: FM; Frequency: 418.662 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.843 \text{ S/m}$; $\epsilon_r = 43.749$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.19 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 78.90 V/m ; Power Drift = -0.13 dB Peak SAR (extrapolated) = 7.82 W/kg **SAR(1 g) = 5.83 W/kg ; SAR(10 g) = 4.33 W/kg** Maximum value of SAR (measured) = 6.10 W/kg 

Plot 38#: FM 25kHz_418.6625MHz_Face Up**DUT: Two Way Radio; Type: DR7510S-2; Serial: CR22050007-SA-S3**

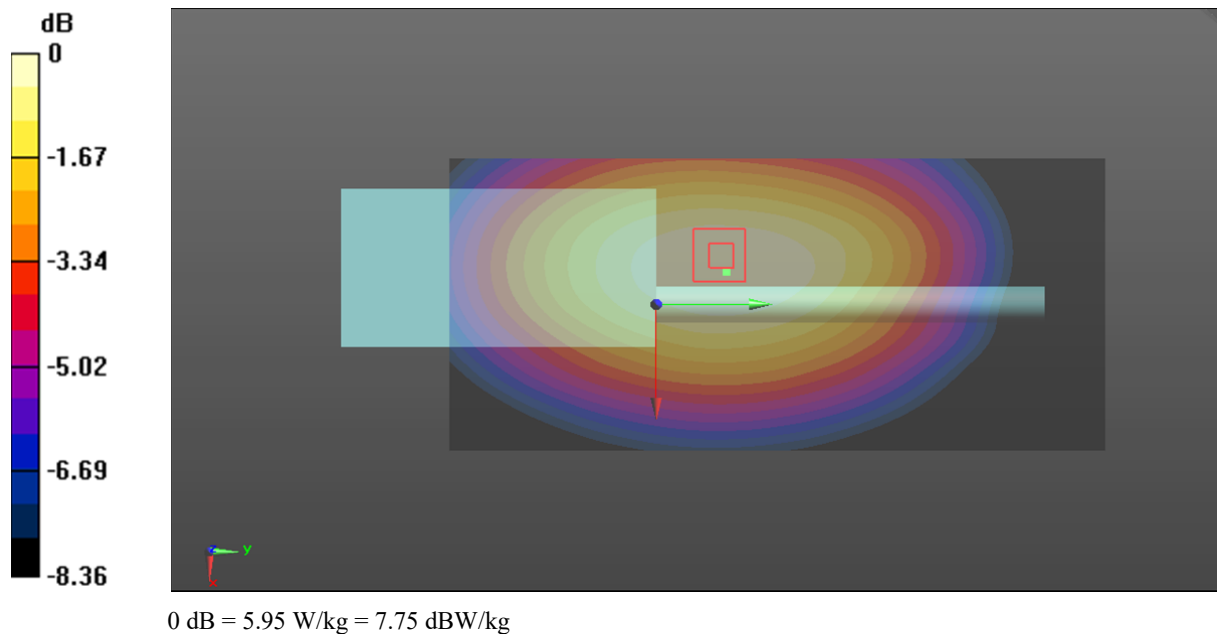
Communication System: FM; Frequency: 418.662 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.843 \text{ S/m}$; $\epsilon_r = 43.749$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.06 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 80.10 V/m ; Power Drift = -0.12 dB Peak SAR (extrapolated) = 7.62 W/kg **SAR(1 g) = 5.66 W/kg ; SAR(10 g) = 4.18 W/kg** Maximum value of SAR (measured) = 5.95 W/kg 

Plot 39#: 4FSK 12.5kHz_418.662MHz_Face Up**DUT: Two Way Radio; Type: DR7510S-2; Serial: CR22050007-SA-S3**

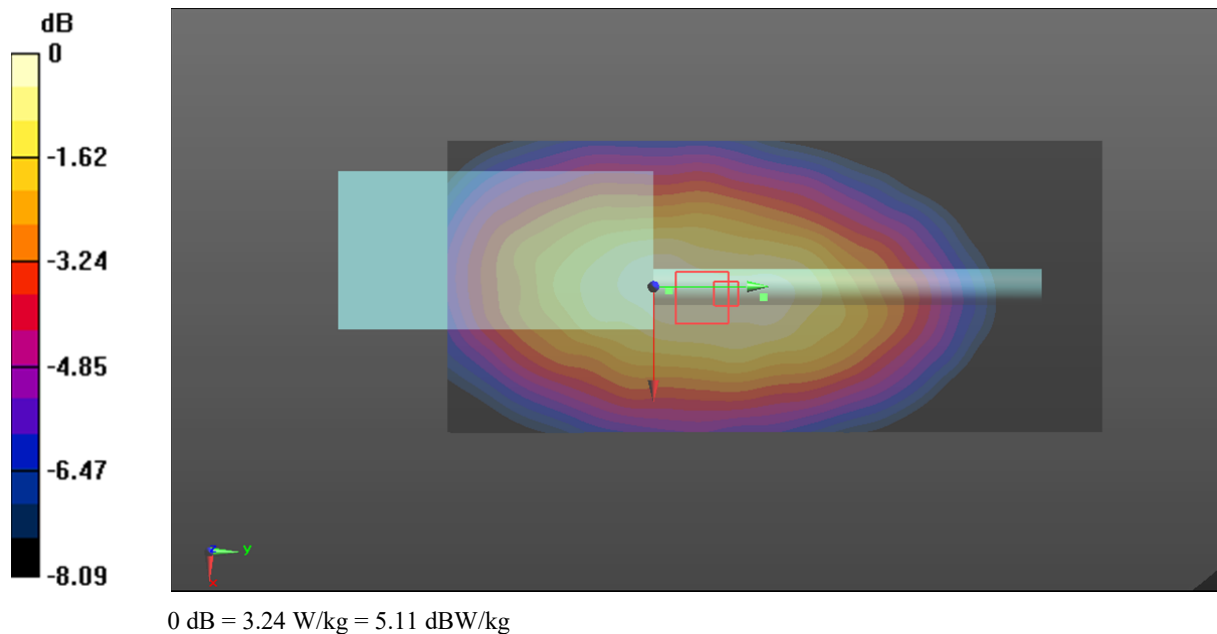
Communication System: 4FSK; Frequency: 418.662 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.843 \text{ S/m}$; $\epsilon_r = 43.749$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.16 W/kg **Zoom Scan (6x7x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 61.16 V/m ; Power Drift = -0.09 dB Peak SAR (extrapolated) = 4.18 W/kg **SAR(1 g) = 3.01 W/kg ; SAR(10 g) = 2.25 W/kg** Maximum value of SAR (measured) = 3.24 W/kg 

Plot 40#: FM 12.5kHz_ 400.0125MHz_ Body Back**DUT: Two Way Radio; Type: DR7510S-2; Serial: CR22050007-SA-S3**

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

Medium parameters used (extrapolated): $f = 400.012$ MHz; $\sigma = 0.837$ S/m; $\epsilon_r = 44.078$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.32 W/kg

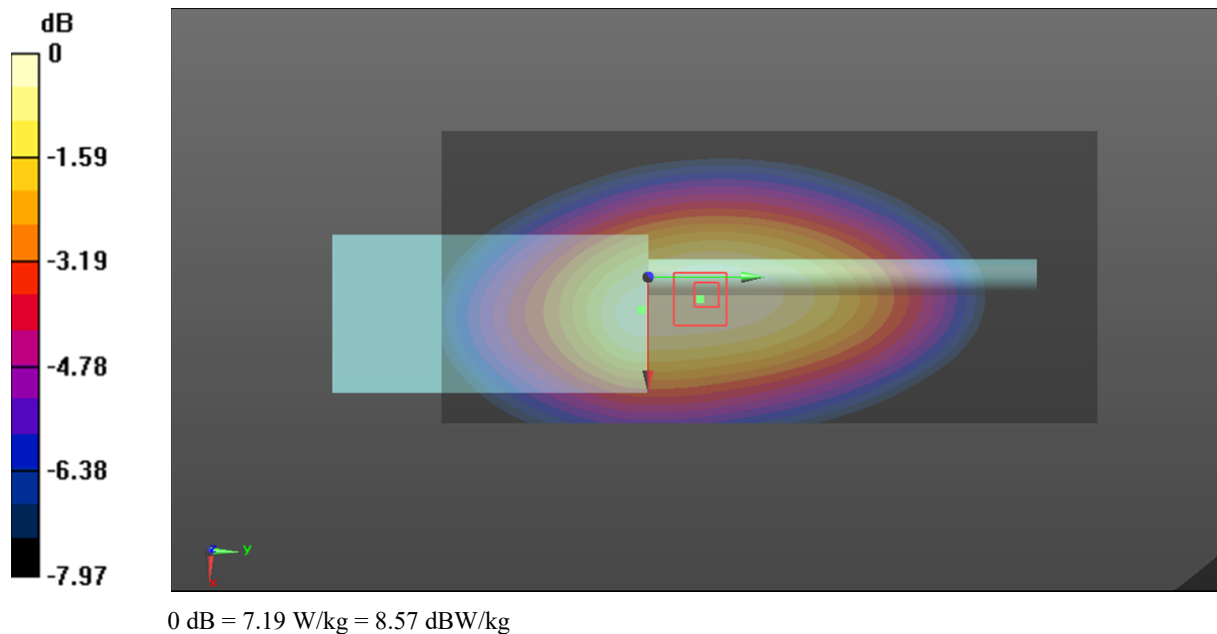
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 87.29 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 9.31 W/kg

SAR(1 g) = 6.85 W/kg; SAR(10 g) = 5.03 W/kg

Maximum value of SAR (measured) = 7.19 W/kg



Plot 41#: FM 12.5kHz_ 418.6625MHz _Body Back**DUT: Two Way Radio; Type: DR7510S-2; Serial: CR22050007-SA-S3**

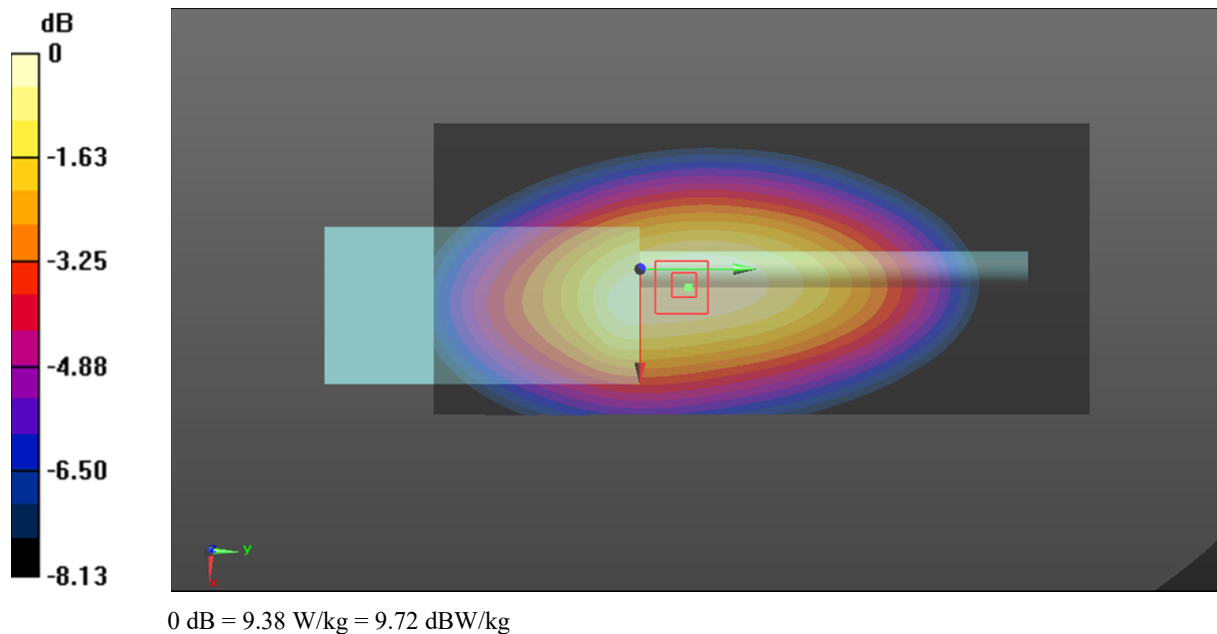
Communication System: FM; Frequency: 418.662 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.843 \text{ S/m}$; $\epsilon_r = 43.749$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 9.44 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 99.44 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 12.2 W/kg **SAR(1 g) = 8.91 W/kg ; SAR(10 g) = 6.51 W/kg** Maximum value of SAR (measured) = 9.38 W/kg 

Plot 42#: FM 12.5kHz_ 437.4875MHz_ Body Back**DUT: Two Way Radio; Type: DR7510S-2; Serial: CR22050007-SA-S3**

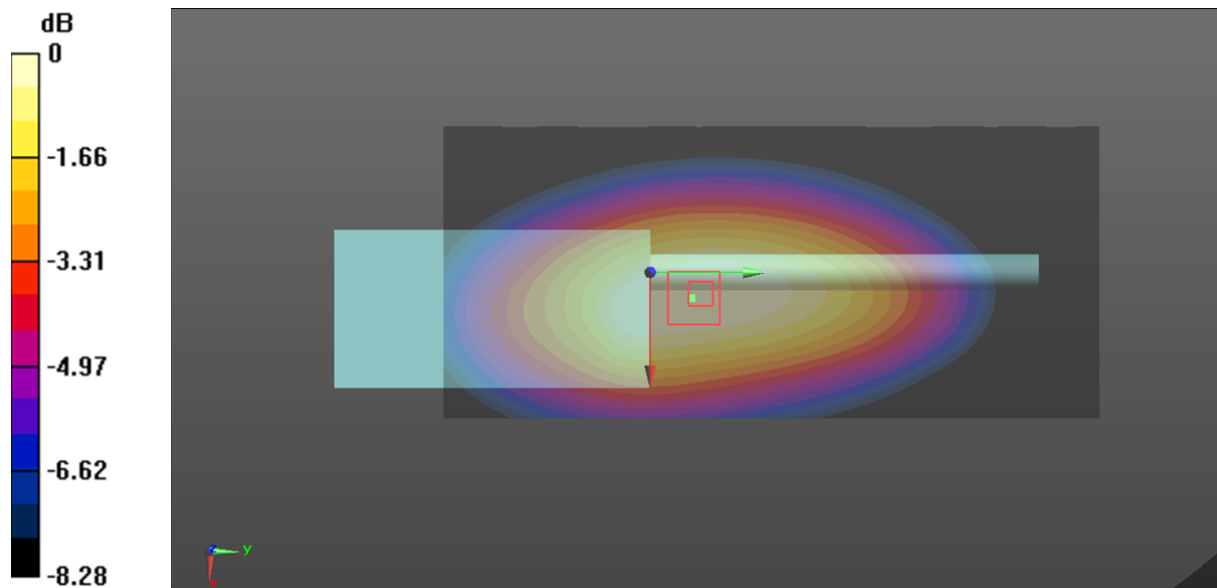
Communication System: FM; Frequency: 437.487 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 437.487 \text{ MHz}$; $\sigma = 0.855 \text{ S/m}$; $\epsilon_r = 43.566$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 437.487 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.96 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 84.26 V/m ; Power Drift = -0.03 dB Peak SAR (extrapolated) = 8.81 W/kg **SAR(1 g) = 6.43 W/kg ; SAR(10 g) = 4.67 W/kg** Maximum value of SAR (measured) = 6.77 W/kg 0 dB = 6.77 W/kg = 8.31 dBW/kg

Plot 43#: FM 12.5kHz_ 456MHz_ Body Back**DUT: Two Way Radio; Type: DR7510S-2; Serial: CR22050007-SA-S3**

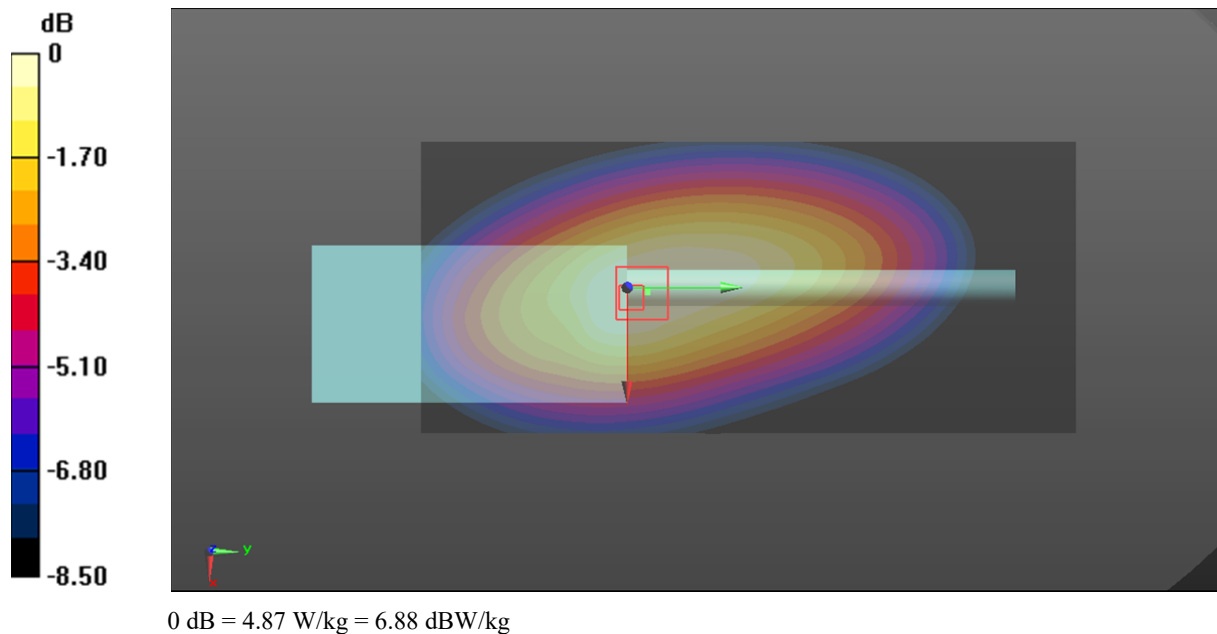
Communication System: FM; Frequency: 456 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 456 \text{ MHz}$; $\sigma = 0.878 \text{ S/m}$; $\epsilon_r = 43.458$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 456 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 5.10 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 78.10 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 6.47 W/kg **SAR(1 g) = 4.65 W/kg ; SAR(10 g) = 3.36 W/kg** Maximum value of SAR (measured) = 4.87 W/kg 

Plot 44#: FM 12.5kHz_ 474.6625MHz_Body Back**DUT: Two Way Radio; Type: DR7510S-2; Serial: CR22050007-SA-S3**

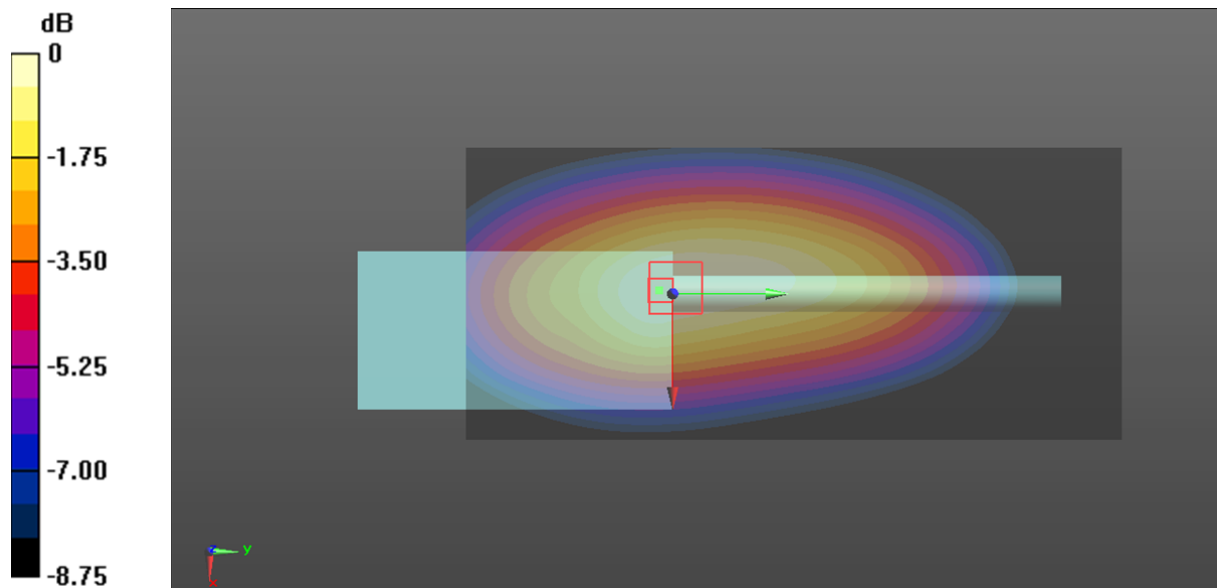
Communication System: FM; Frequency: 474.663 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 474.663 \text{ MHz}$; $\sigma = 0.896 \text{ S/m}$; $\epsilon_r = 43.424$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 474.663 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 2.69 W/kg **Zoom Scan (5x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 54.36 V/m ; Power Drift = -0.10 dB Peak SAR (extrapolated) = 3.46 W/kg **SAR(1 g) = 2.47 W/kg ; SAR(10 g) = 1.78 W/kg** Maximum value of SAR (measured) = 2.61 W/kg 0 dB = 2.61 W/kg = 4.17 dBW/kg

Plot 45#: FM 12.5kHz_ 493.4875MHz_ Body Back**DUT: Two Way Radio; Type: DR7510S-2; Serial: CR22050007-SA-S3**

Communication System: FM; Frequency: 493.487 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 493.487$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 43.218$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 493.487 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.78 W/kg

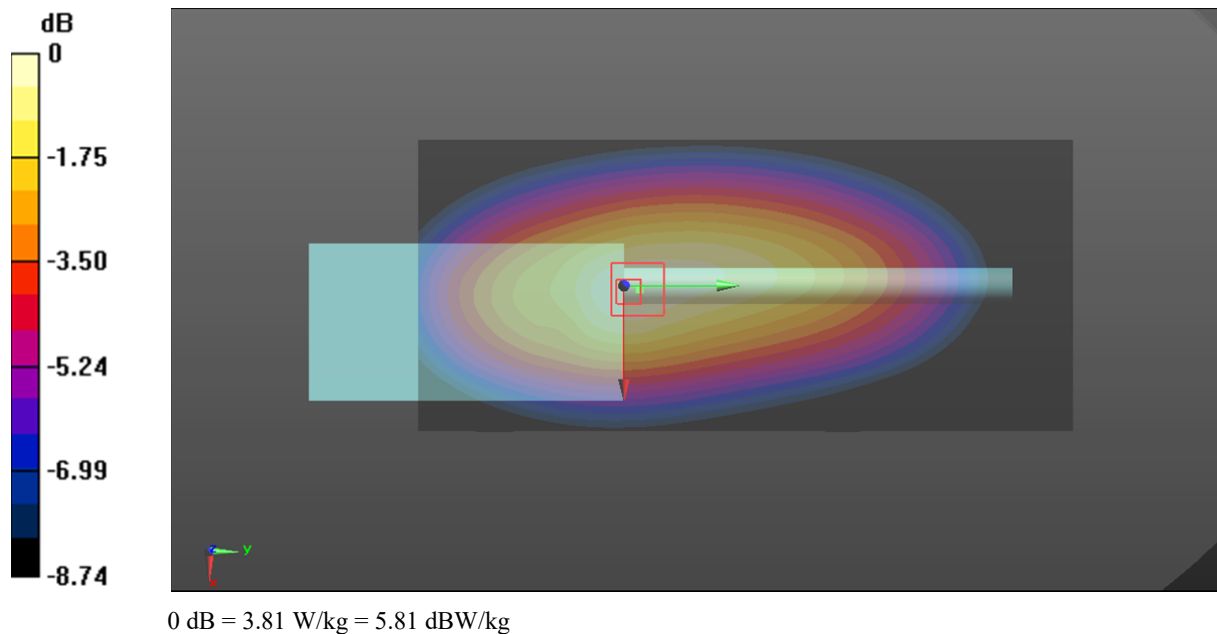
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 64.84 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 5.12 W/kg

SAR(1 g) = 3.61 W/kg; SAR(10 g) = 2.55 W/kg

Maximum value of SAR (measured) = 3.81 W/kg



Plot 46#: FM 12.5kHz_511.9875MHz_Body Back**DUT: Two Way Radio; Type: DR7510S-2; Serial: CR22050007-SA-S3**

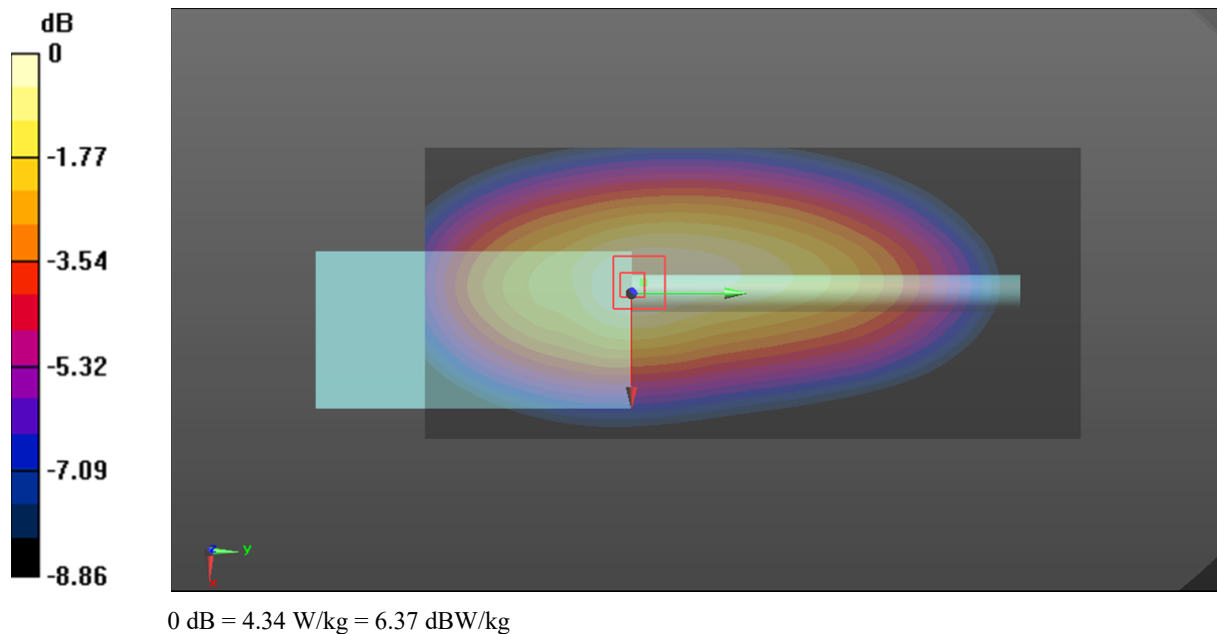
Communication System: FM; Frequency: 511.988 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 511.988 \text{ MHz}$; $\sigma = 0.907 \text{ S/m}$; $\epsilon_r = 43.132$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 511.988 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.52 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 71.25 V/m ; Power Drift = -0.04 dB Peak SAR (extrapolated) = 5.84 W/kg **SAR(1 g) = 4.11 W/kg ; SAR(10 g) = 2.88 W/kg** Maximum value of SAR (measured) = 4.34 W/kg 

Plot 47#: FM 25kHz_400.0125MHz_Body Back**DUT: Two Way Radio; Type: DR7510S-2; Serial: CR22050007-SA-S3**

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

Medium parameters used (extrapolated): $f = 400.012$ MHz; $\sigma = 0.837$ S/m; $\epsilon_r = 44.078$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

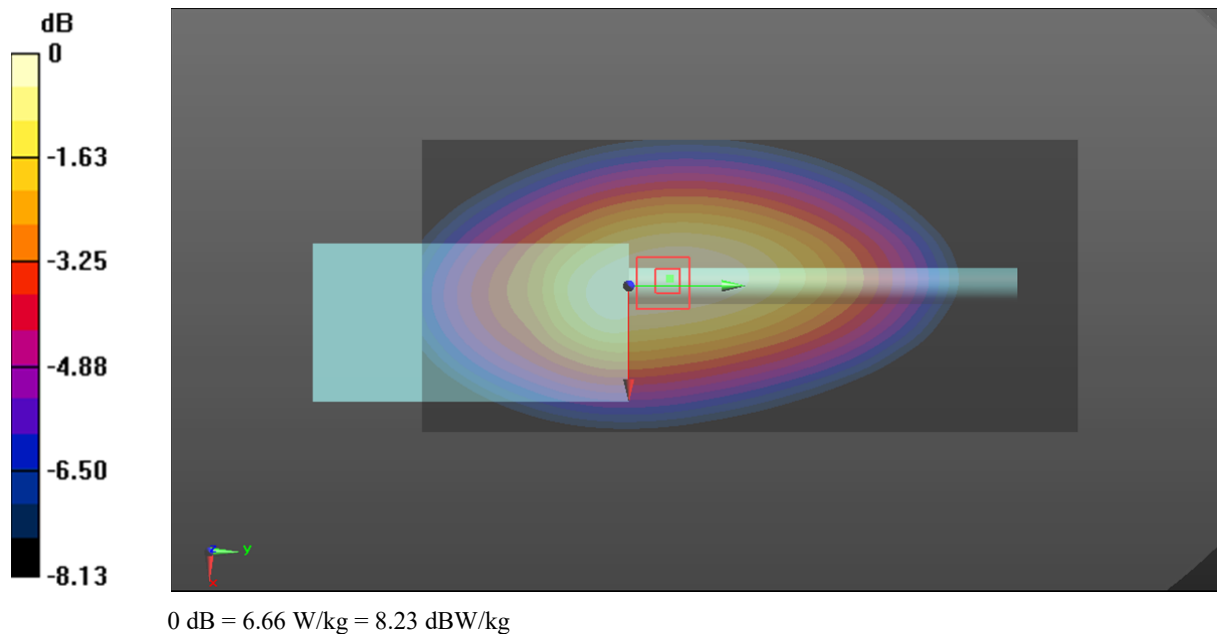
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 88.10 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 8.63 W/kg

SAR(1 g) = 6.33 W/kg; SAR(10 g) = 4.63 W/kg

Maximum value of SAR (measured) = 6.66 W/kg



Plot 48#: FM 25kHz_418.662MHz_Body Back**DUT: Two Way Radio; Type: DR7510S-2; Serial: CR22050007-SA-S3**

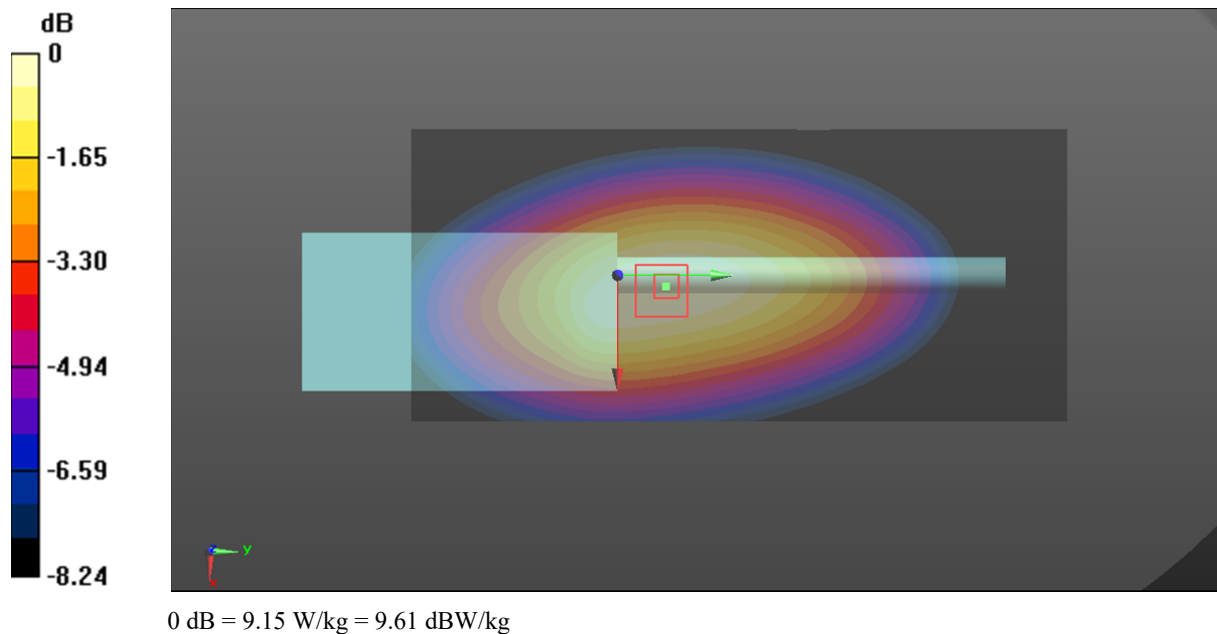
Communication System: FM; Frequency: 418.662 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.843 \text{ S/m}$; $\epsilon_r = 43.749$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 9.29 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 99.27 V/m ; Power Drift = -0.13 dB Peak SAR (extrapolated) = 11.8 W/kg **SAR(1 g) = 8.68 W/kg ; SAR(10 g) = 6.35 W/kg** Maximum value of SAR (measured) = 9.15 W/kg 

Plot 49#: FM 25kHz_437.487MHz_Body Back**DUT: Two Way Radio; Type: DR7510S-2; Serial: CR22050007-SA-S3**

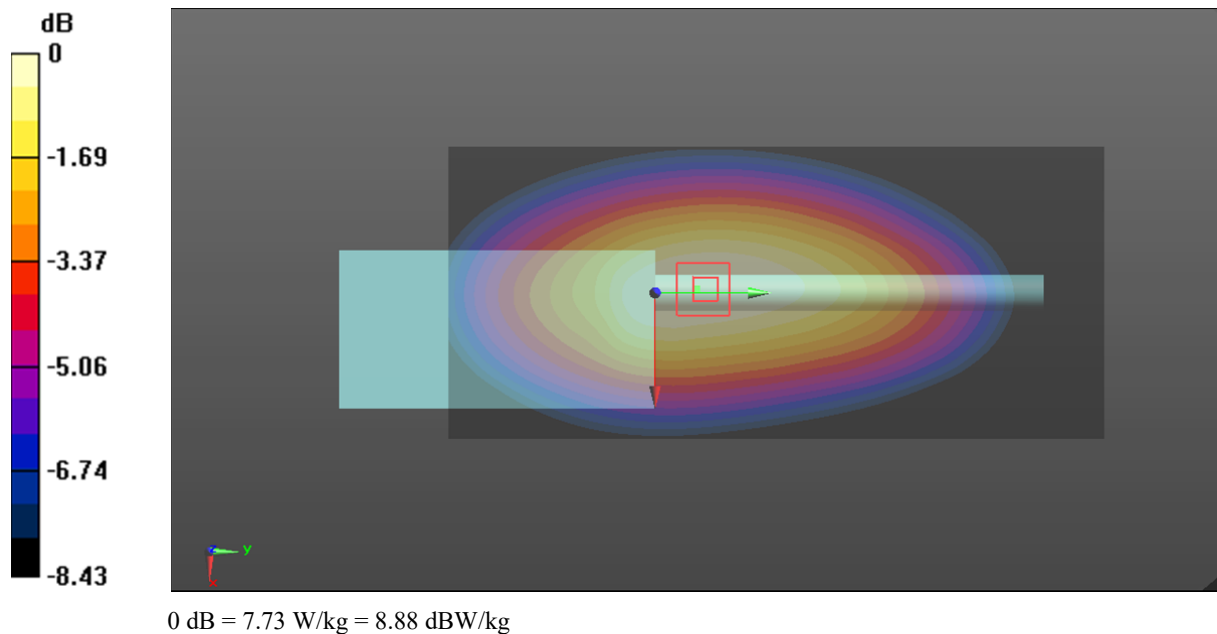
Communication System: FM; Frequency: 437.487 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 437.487 \text{ MHz}$; $\sigma = 0.855 \text{ S/m}$; $\epsilon_r = 43.566$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 437.487 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.02 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 95.92 V/m ; Power Drift = -0.12 dB Peak SAR (extrapolated) = 10.1 W/kg **SAR(1 g) = 7.34 W/kg ; SAR(10 g) = 5.33 W/kg** Maximum value of SAR (measured) = 7.73 W/kg 

Plot 50#: FM 25kHz_456MHz_Body Back**DUT: Two Way Radio; Type: DR7510S-2; Serial: CR22050007-SA-S3**

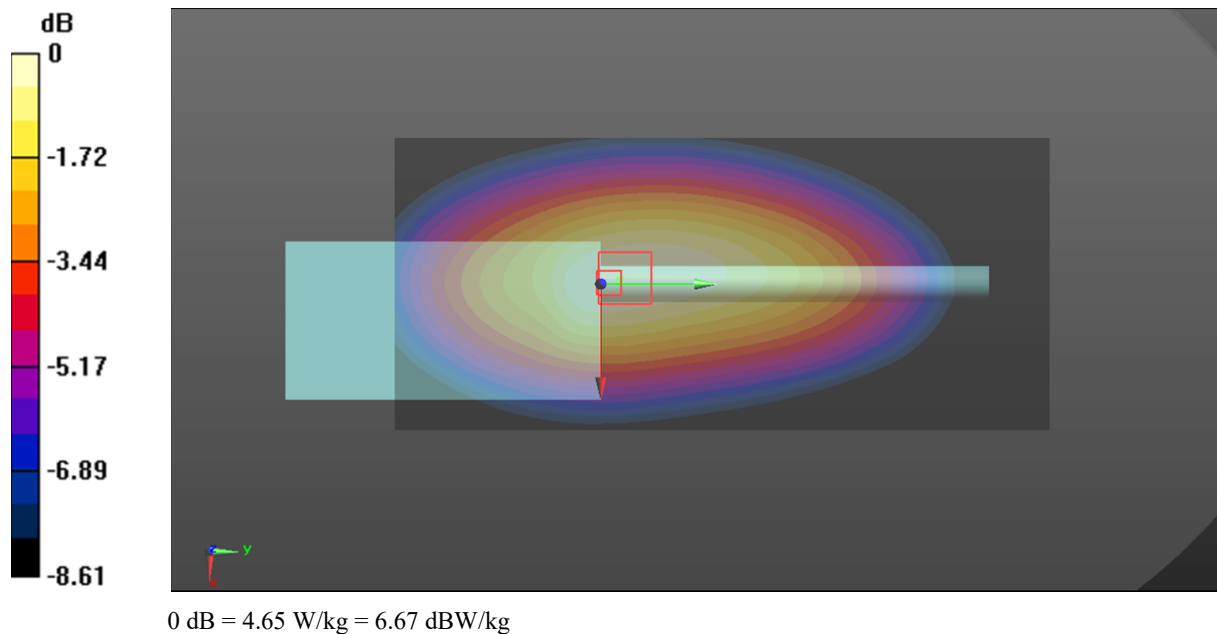
Communication System: FM; Frequency: 456 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 456 \text{ MHz}$; $\sigma = 0.878 \text{ S/m}$; $\epsilon_r = 43.458$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 456 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.71 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 73.40 V/m ; Power Drift = -0.09 dB Peak SAR (extrapolated) = 6.12 W/kg **SAR(1 g) = 4.41 W/kg ; SAR(10 g) = 3.18 W/kg** Maximum value of SAR (measured) = 4.65 W/kg 

Plot 51#: FM 25kHz_474.6625MHz_Body Back**DUT: Two Way Radio; Type: DR7510S-2; Serial: CR22050007-SA-S3**

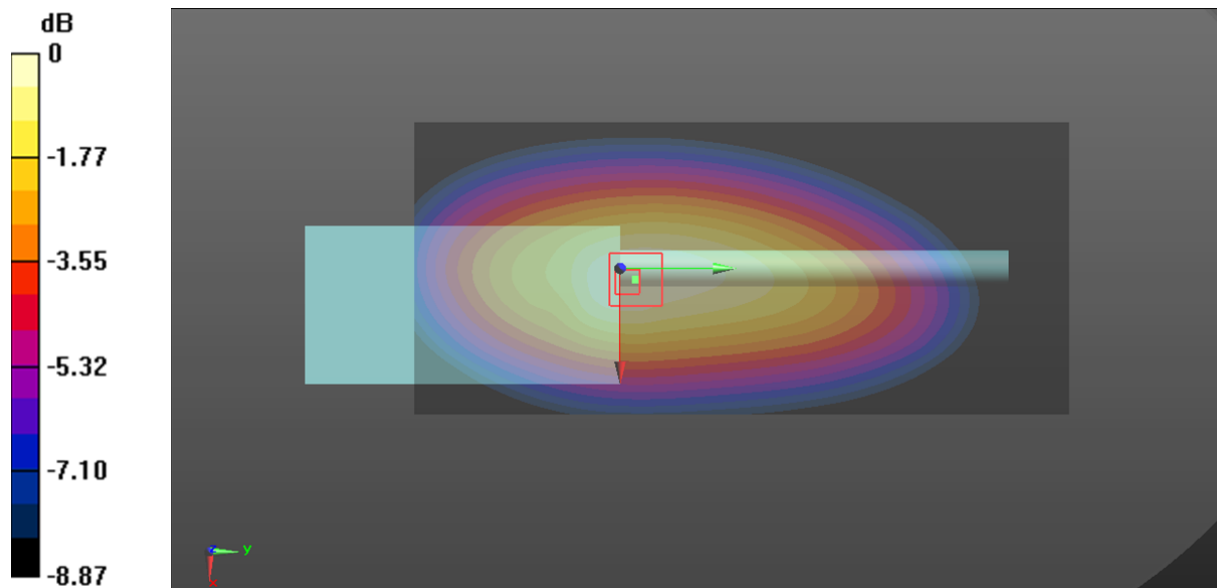
Communication System: FM; Frequency: 474.663 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 474.663 \text{ MHz}$; $\sigma = 0.896 \text{ S/m}$; $\epsilon_r = 43.424$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 474.663 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 2.64 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 54.23 V/m ; Power Drift = -0.08 dB Peak SAR (extrapolated) = 3.57 W/kg **SAR(1 g) = 2.52 W/kg ; SAR(10 g) = 1.78 W/kg** Maximum value of SAR (measured) = 2.65 W/kg 0 dB = 2.65 W/kg = 4.23 dBW/kg

Plot 52#: FM 25kHz_493.487MHz_Body Back**DUT: Two Way Radio; Type: DR7510S-2; Serial: CR22050007-SA-S3**

Communication System: FM; Frequency: 493.487 MHz; Duty Cycle: 1:1

Medium parameters used (extrapolated): $f = 493.487$ MHz; $\sigma = 0.901$ S/m; $\epsilon_r = 43.218$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 493.487 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.71 W/kg

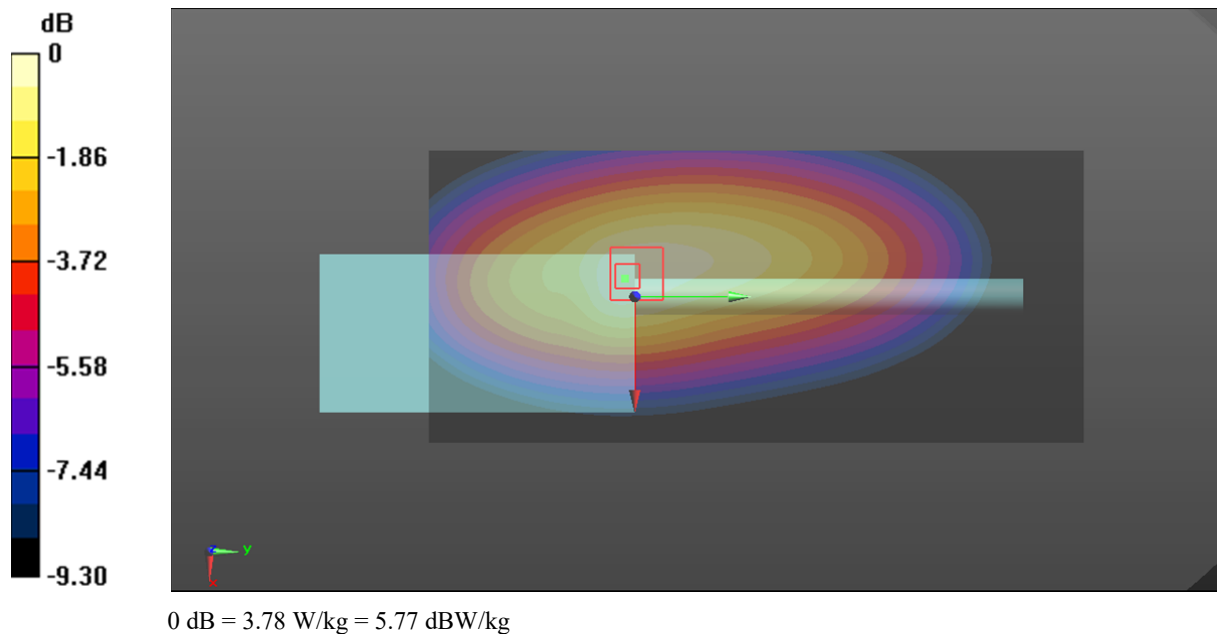
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 62.24 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 5.11 W/kg

SAR(1 g) = 3.55 W/kg; SAR(10 g) = 2.49 W/kg

Maximum value of SAR (measured) = 3.78 W/kg



Plot 53#: FM 25kHz_511.9875MHz_Body Back**DUT: Two Way Radio; Type: DR7510S-2; Serial: CR22050007-SA-S3**

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

Medium parameters used (extrapolated): $f = 511.988$ MHz; $\sigma = 0.907$ S/m; $\epsilon_r = 43.132$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 511.988 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.33 W/kg

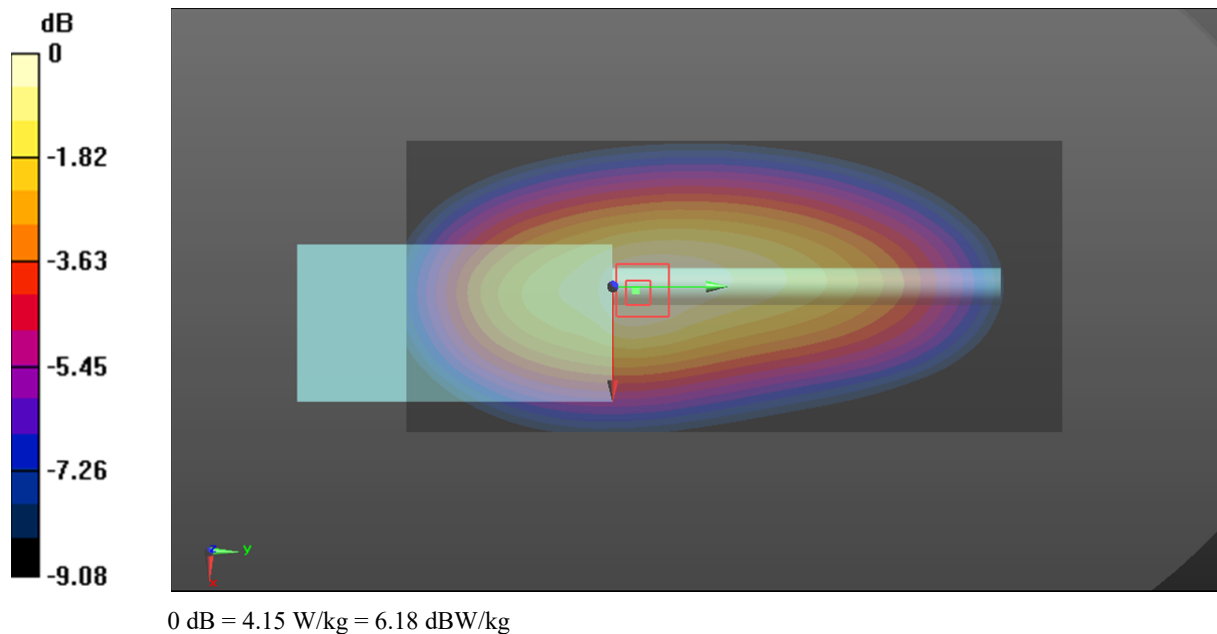
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 68.61 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 5.62 W/kg

SAR(1 g) = 3.92 W/kg; SAR(10 g) = 2.74 W/kg

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



Plot 54#: 4FSK 12.5kHz_418.6625MHz_Body Back**DUT: Two Way Radio; Type: DR7510S-2; Serial: CR22050007-SA-S3**

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

Medium parameters used: $f = 418.662 \text{ MHz}$; $\sigma = 0.843 \text{ S/m}$; $\epsilon_r = 43.749$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 418.662 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 5.09 W/kg **Zoom Scan (6x7x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 72.47 V/m ; Power Drift = -0.06 dB Peak SAR (extrapolated) = 6.66 W/kg **SAR(1 g) = 4.66 W/kg ; SAR(10 g) = 3.4 W/kg** Maximum value of SAR (measured) = 5.01 W/kg 