

Test Plot 1#: RDR4320U_PTT_FM 12.5kHz_Face Up_400.0125 MHz**DUT: Digital Two-Way Radio; Type: RDR4320U; Serial: 18030800222**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.855$ S/m; $\epsilon_r = 45.463$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.97, 10.97, 10.97); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.14 W/kg

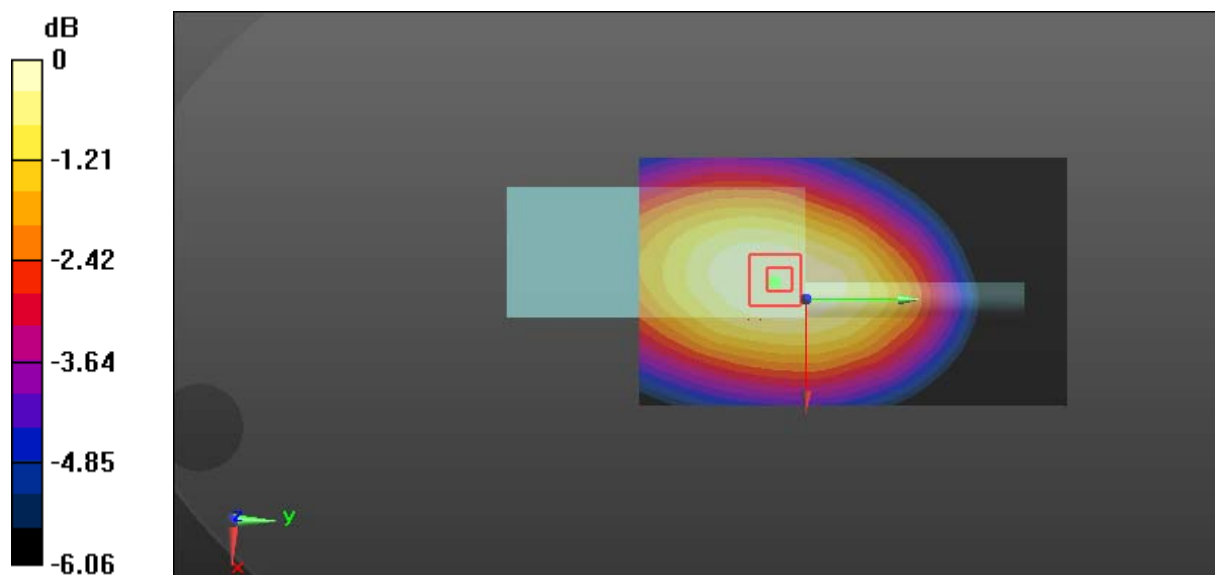
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 87.54 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 8.98 W/kg

SAR(1 g) = 6.37 W/kg; SAR(10 g) = 4.94 W/kg

Maximum value of SAR (measured) = 7.94 W/kg



0 dB = 7.94 W/kg = 9.00 dBW/kg

Test Plot 3#: RDR4320U_PTT_4FSK 12.5kHz_Face Up_400.0125 MHz**DUT: Digital Two-Way Radio; Type: RDR4320U; Serial: 18030800222**

Communication System: 4FSK; Frequency: 400.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.855$ S/m; $\epsilon_r = 45.463$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.97, 10.97, 10.97); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.04 W/kg

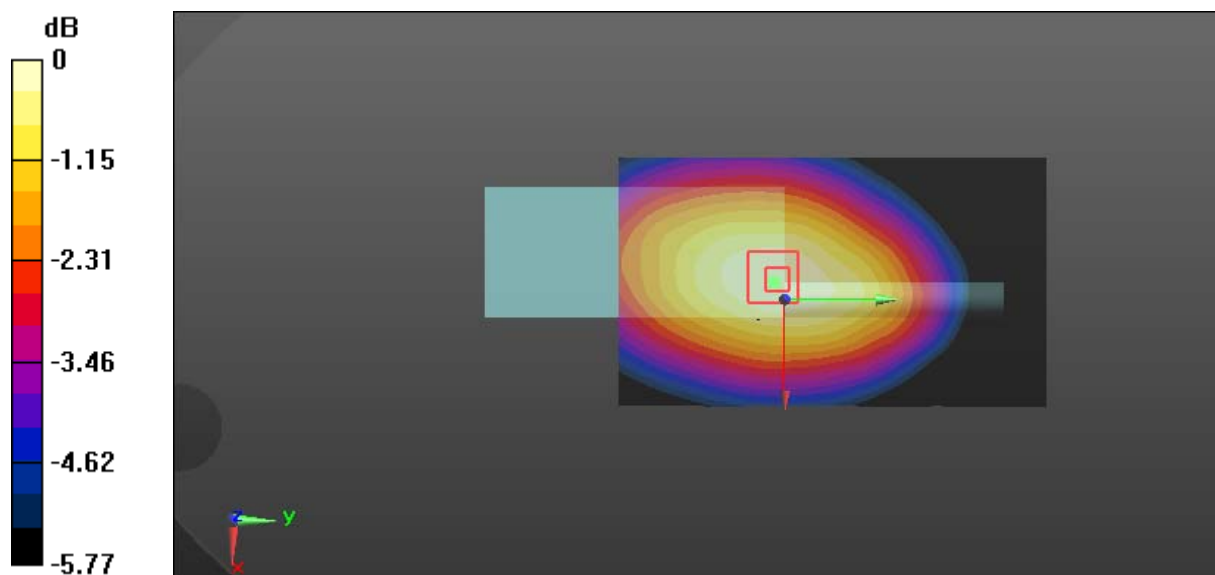
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 31.64 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.948 W/kg; SAR(10 g) = 0.673 W/kg

Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg = 0.17 dBW/kg

Test Plot 4#: RDR4320U_PTT_FM 12.5kHz_Body Back_400.0125 MHz**DUT: Digital Two-Way Radio; Type: RDR4320U; Serial: 18030800222**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.924$ S/m; $\epsilon_r = 58.647$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 13.5 W/kg

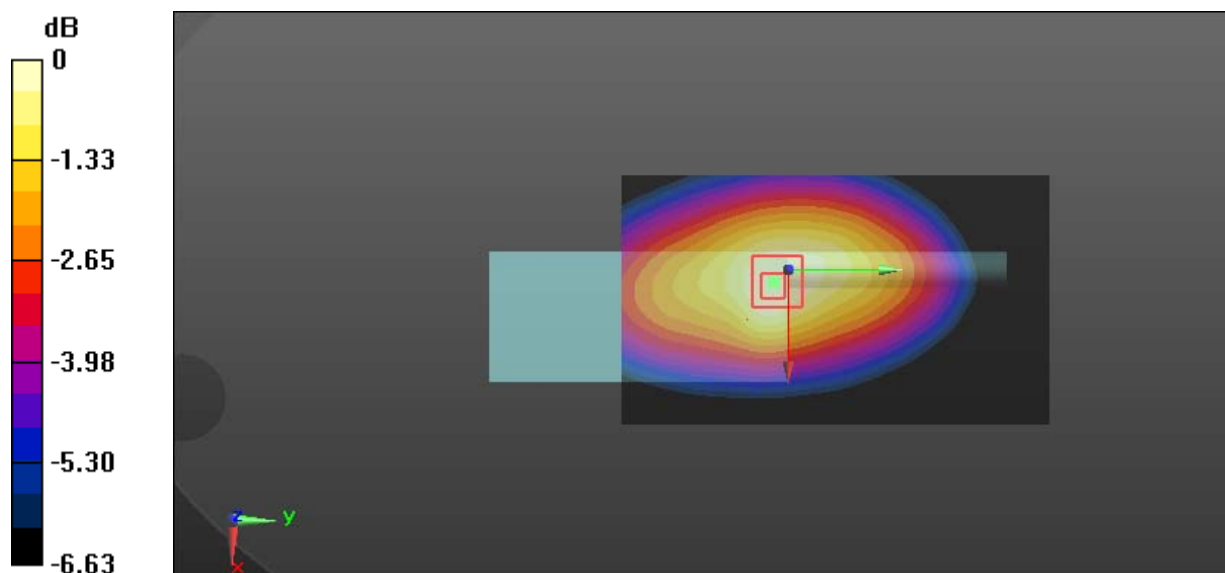
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 110.2 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 15.1 W/kg

SAR(1 g) = 10.9 W/kg; SAR(10 g) = 8.58 W/kg

Maximum value of SAR (measured) = 13.4 W/kg



0 dB = 13.4 W/kg = 11.27 dBW/kg

Test Plot 5#: RDR4320U_PTT_FM 12.5kHz_Body Back_418 MHz**DUT: Digital Two-Way Radio; Type: RDR4320U; Serial: 18030800222**

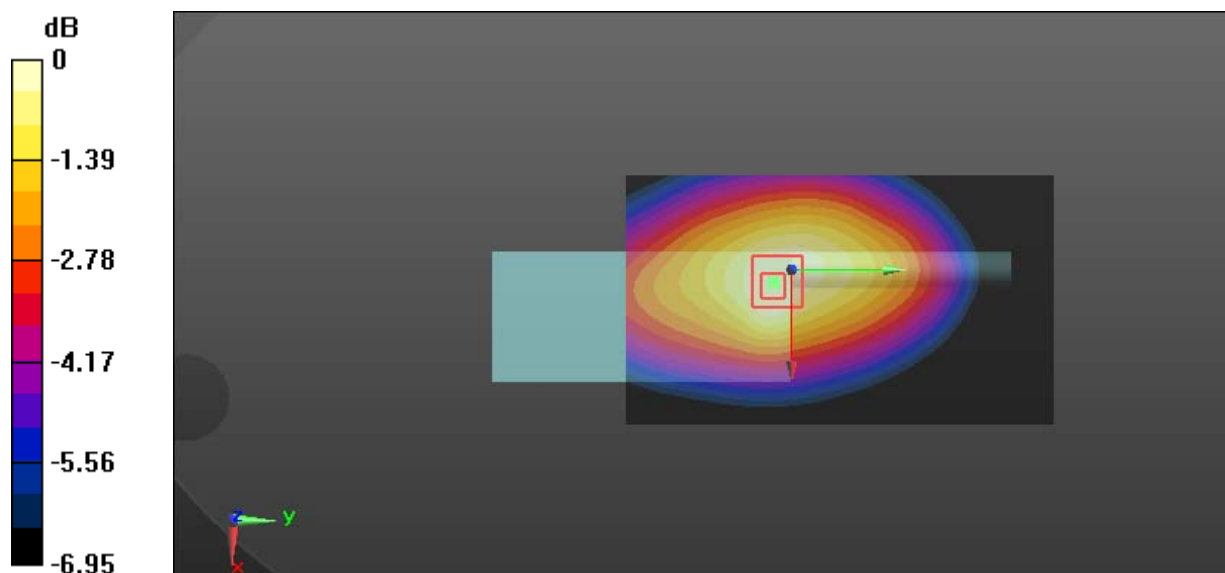
Communication System: FM; Frequency: 418 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418 \text{ MHz}$; $\sigma = 0.926 \text{ S/m}$; $\epsilon_r = 58.602$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 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 = 105.2 V/m ; Power Drift = -0.19 dB Peak SAR (extrapolated) = 14.2 W/kg **SAR(1 g) = 10.1 W/kg ; SAR(10 g) = 7.94 W/kg** Maximum value of SAR (measured) = 12.3 W/kg 0 dB = 12.3 W/kg = 10.90 dBW/kg

Test Plot 6#: RDR4320U_PTT_FM 12.5kHz_Body Back_435 MHz**DUT: Digital Two-Way Radio; Type: RDR4320U; Serial: 18030800222**

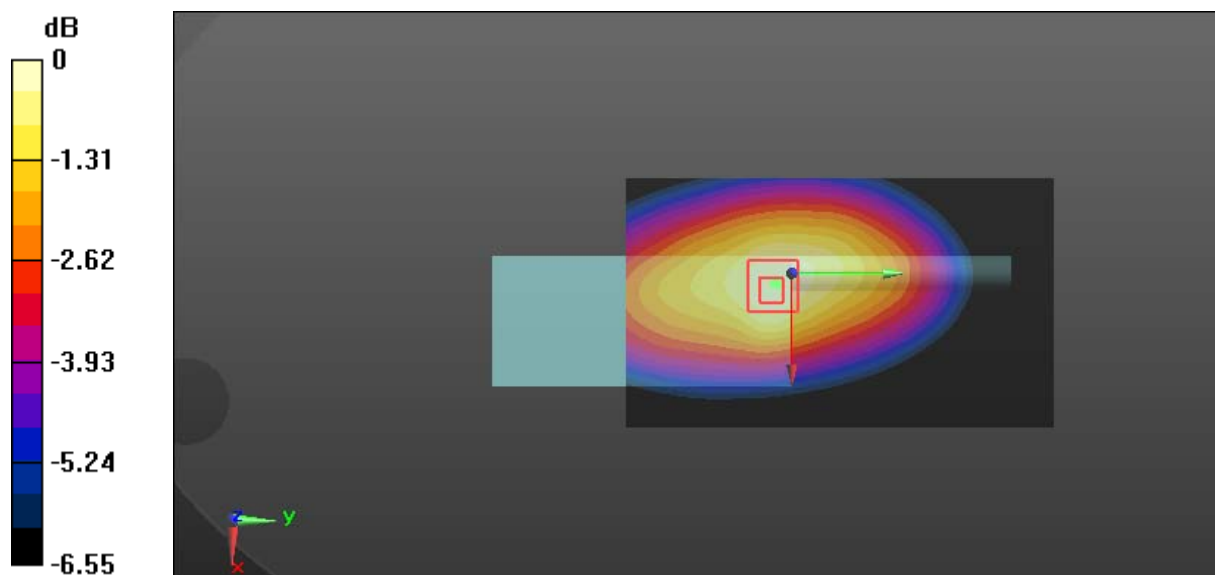
Communication System: FM; Frequency: 435 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 435 \text{ MHz}$; $\sigma = 0.929 \text{ S/m}$; $\epsilon_r = 58.517$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.80 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 87.34 V/m ; Power Drift = -0.12 dB Peak SAR (extrapolated) = 10.1 W/kg **SAR(1 g) = 7.01 W/kg ; SAR(10 g) = 5.48 W/kg** Maximum value of SAR (measured) = 8.70 W/kg  $0 \text{ dB} = 8.70 \text{ W/kg} = 9.40 \text{ dBW/kg}$

Test Plot 7#: RDR4320U_PTT_FM 12.5kHz_Body Back_453 MHz**DUT: Digital Two-Way Radio; Type: RDR4320U; Serial: 18030800222**

Communication System: FM; Frequency: 453 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 453$ MHz; $\sigma = 0.937$ S/m; $\epsilon_r = 58.422$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 7.51 W/kg

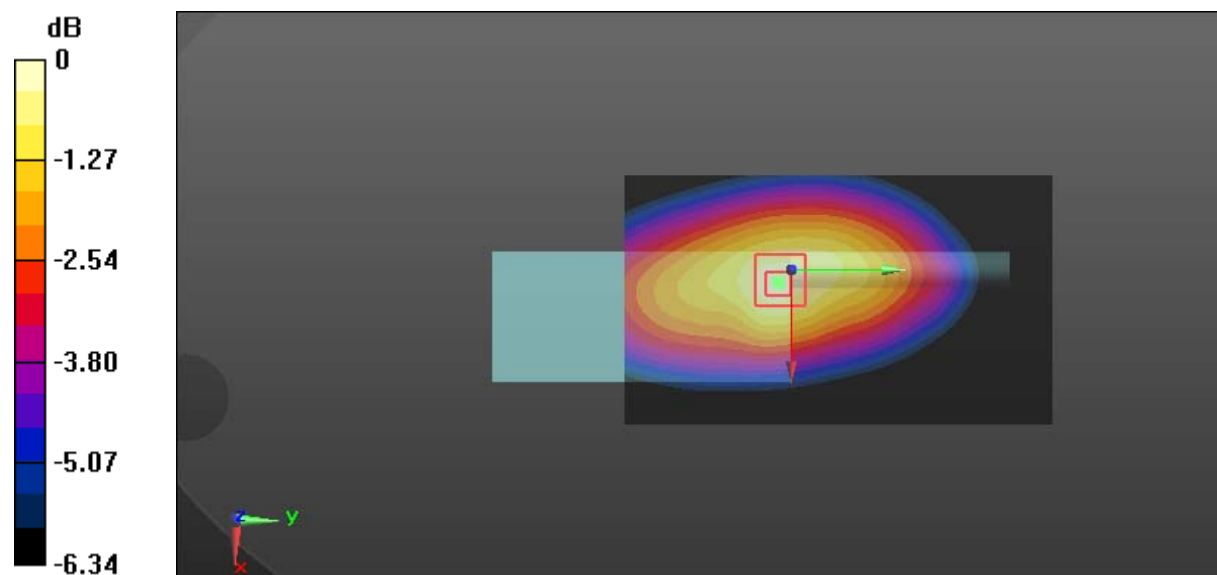
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 78.74 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 8.82 W/kg

SAR(1 g) = 6.22 W/kg; SAR(10 g) = 4.97 W/kg

Maximum value of SAR (measured) = 7.75 W/kg



0 dB = 7.75 W/kg = 8.89 dBW/kg

Test Plot 8#: RDR4320U_PTT_FM 12.5kHz_Body Back_469.9875 MHz**DUT: Digital Two-Way Radio; Type: RDR4320U; Serial: 18030800222**

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

Medium parameters used: $f = 469.988$ MHz; $\sigma = 0.946$ S/m; $\epsilon_r = 58.301$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

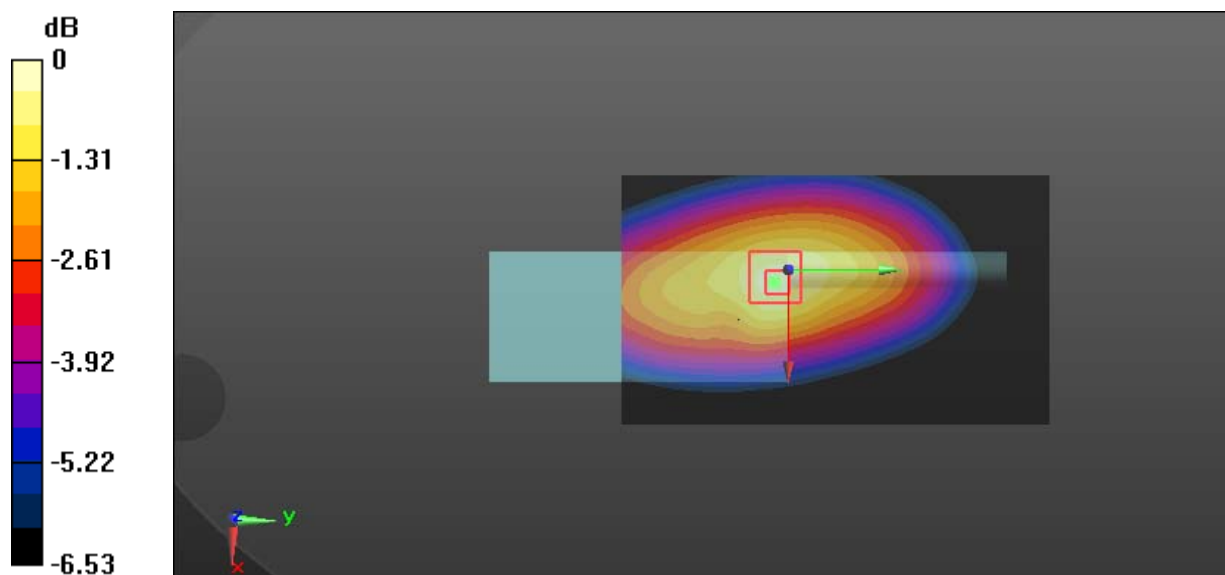
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 56.80 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 4.49 W/kg

SAR(1 g) = 3.1 W/kg; SAR(10 g) = 2.42 W/kg

Maximum value of SAR (measured) = 3.93 W/kg



0 dB = 3.93 W/kg = 5.94 dBW/kg

Test Plot 14#: RDR4320U_PTT_4FSK 12.5kHz_Body Back_400.0125 MHz**DUT: Digital Two-Way Radio; Type: RDR4320U; Serial: 18030800222**

Communication System: 4FSK; Frequency: 400.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.924$ S/m; $\epsilon_r = 58.647$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.67 W/kg

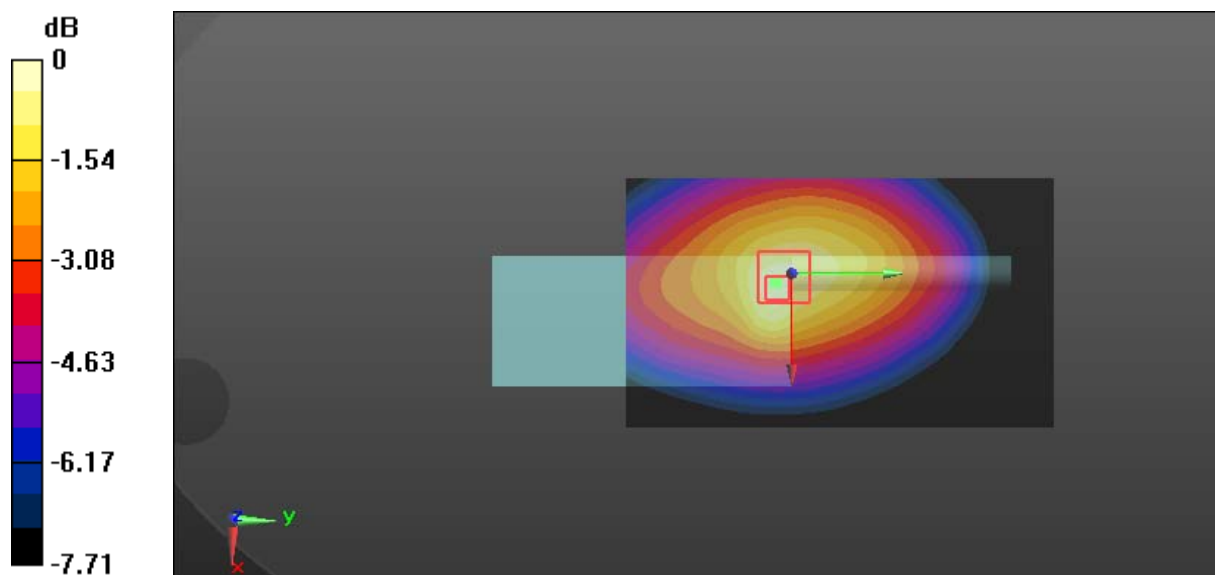
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 63.71 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.06 W/kg

SAR(1 g) = 1.4 W/kg; SAR(10 g) = 1.09 W/kg

Maximum value of SAR (measured) = 1.75 W/kg



0 dB = 1.75 W/kg = 2.43 dBW/kg

Test Plot 15#: RDR4320U_PTT_FM 12.5kHz_Body Back_400.0125 MHz Headset 1**DUT: Digital Two-Way Radio; Type: RDR4320U; Serial: 18030800222**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.924$ S/m; $\epsilon_r = 58.647$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

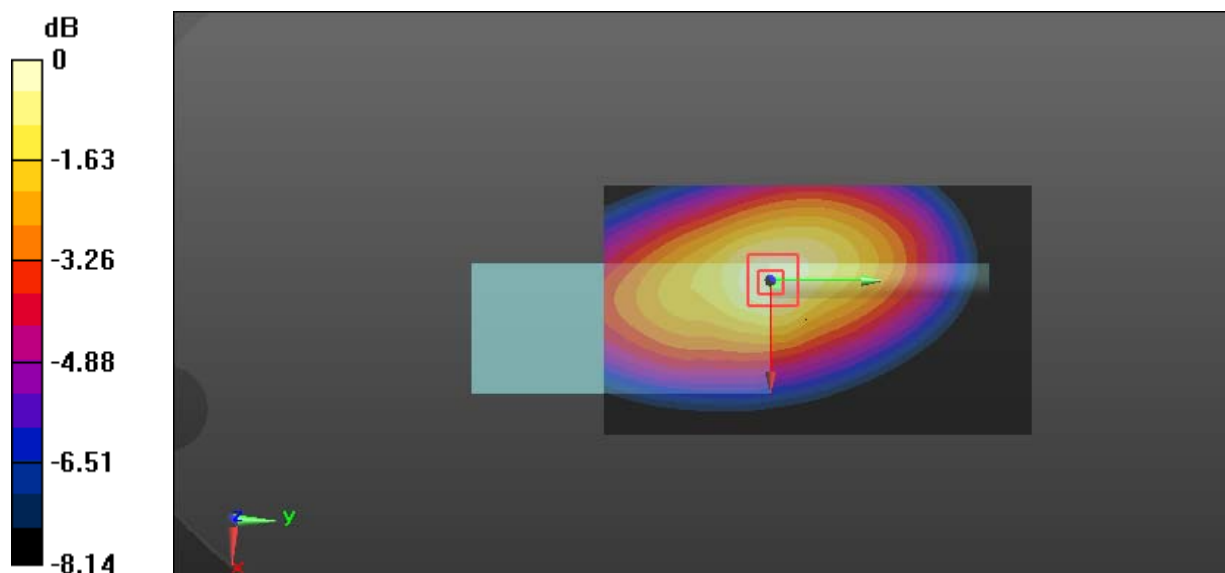
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 103.2 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 13.9 W/kg

SAR(1 g) = 9.31 W/kg; SAR(10 g) = 6.57 W/kg

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



0 dB = 12.1 W/kg = 10.83 dBW/kg

Test Plot 16#: RDR4320U_PTT_FM 12.5kHz_Body Back_400.0125 MHz Headset 2**DUT: Digital Two-Way Radio; Type: RDR4320U; Serial: 18030800222**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.924$ S/m; $\epsilon_r = 58.647$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 11.7 W/kg

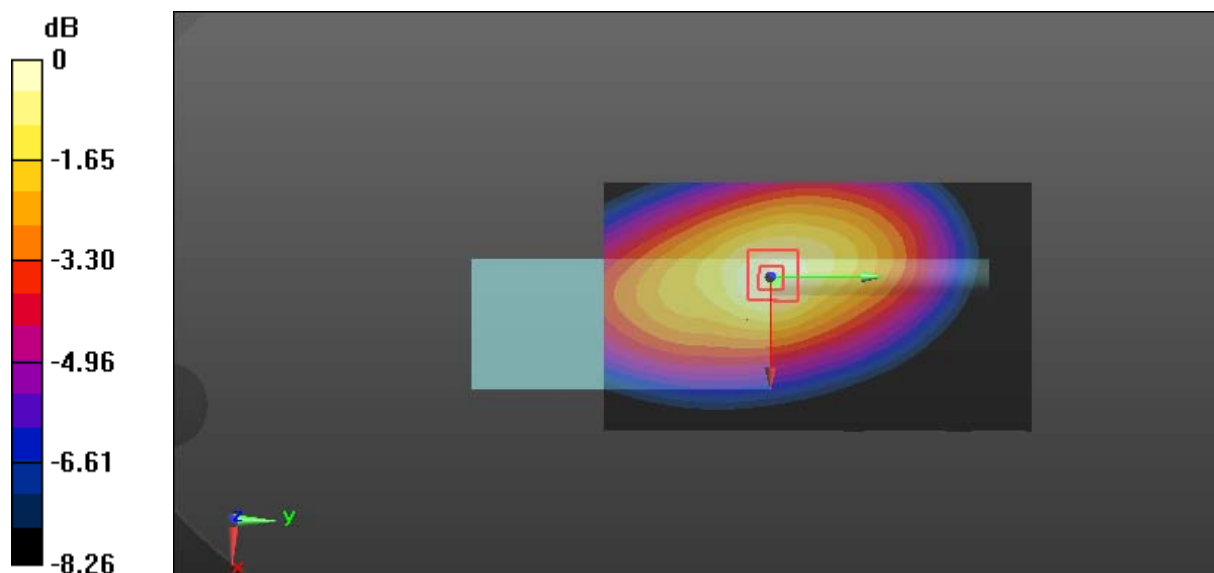
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 100.4 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 13.3 W/kg

SAR(1 g) = 8.86 W/kg; SAR(10 g) = 6.26 W/kg

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



0 dB = 11.6 W/kg = 10.64 dBW/kg

Test Plot 17#: RDR4350U_PTT_FM 12.5kHz_Face Up_400.0125 MHz**DUT: Digital Two-Way Radio; Type: RDR4350U; Serial: 18030800225**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.855$ S/m; $\epsilon_r = 45.463$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.97, 10.97, 10.97); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 7.55 W/kg

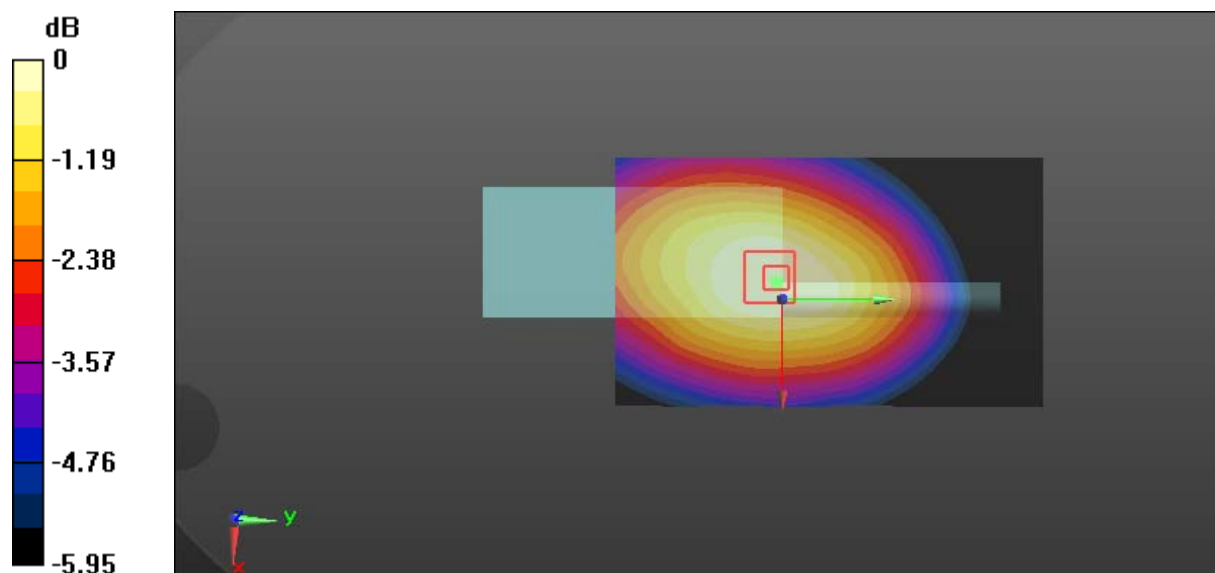
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 84.40 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 8.36 W/kg

SAR(1 g) = 5.91 W/kg; SAR(10 g) = 4.66 W/kg

Maximum value of SAR (measured) = 7.31 W/kg



0 dB = 7.31 W/kg = 8.64 dBW/kg

Test Plot 19#: RDR4350U_PTT_4FSK 12.5kHz_Face Up_400.0125 MHz**DUT: Digital Two-Way Radio; Type: RDR4350U; Serial: 18030800225**

Communication System: 4FSK; Frequency: 400.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.855$ S/m; $\epsilon_r = 45.463$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.97, 10.97, 10.97); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.37 W/kg

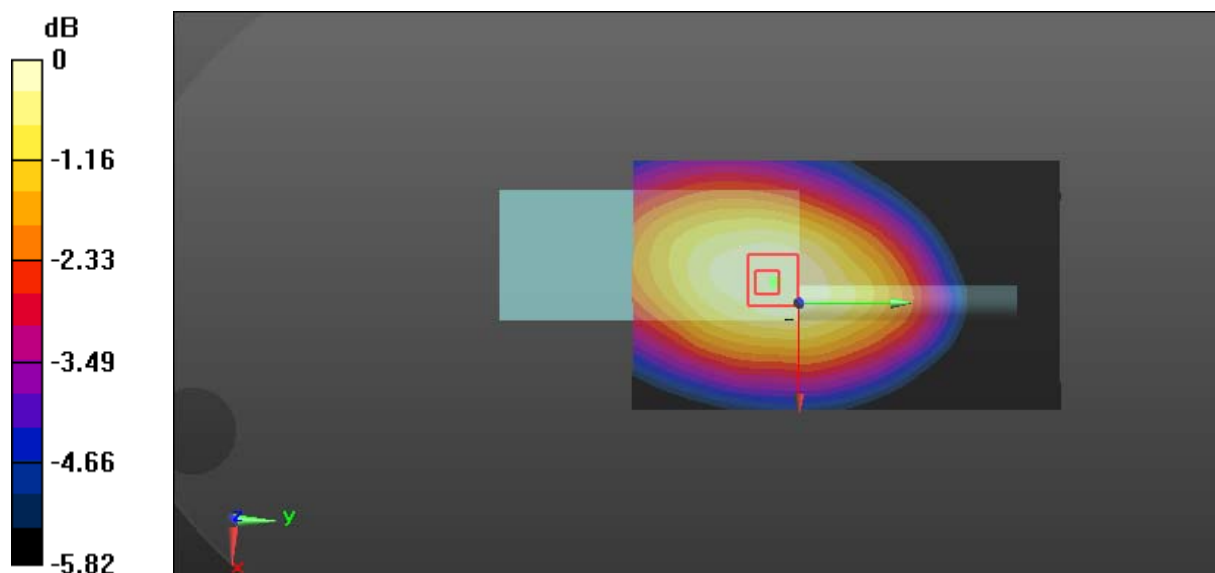
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.66 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.53 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.873 W/kg

Maximum value of SAR (measured) = 1.35 W/kg



0 dB = 1.35 W/kg = 1.30 dBW/kg

Test Plot 20#: RDR4350U_PTT_FM 12.5kHz_Body Back_400.0125 MHz**DUT: Digital Two-Way Radio; Type: RDR4350U; Serial: 18030800225**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.924$ S/m; $\epsilon_r = 58.647$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

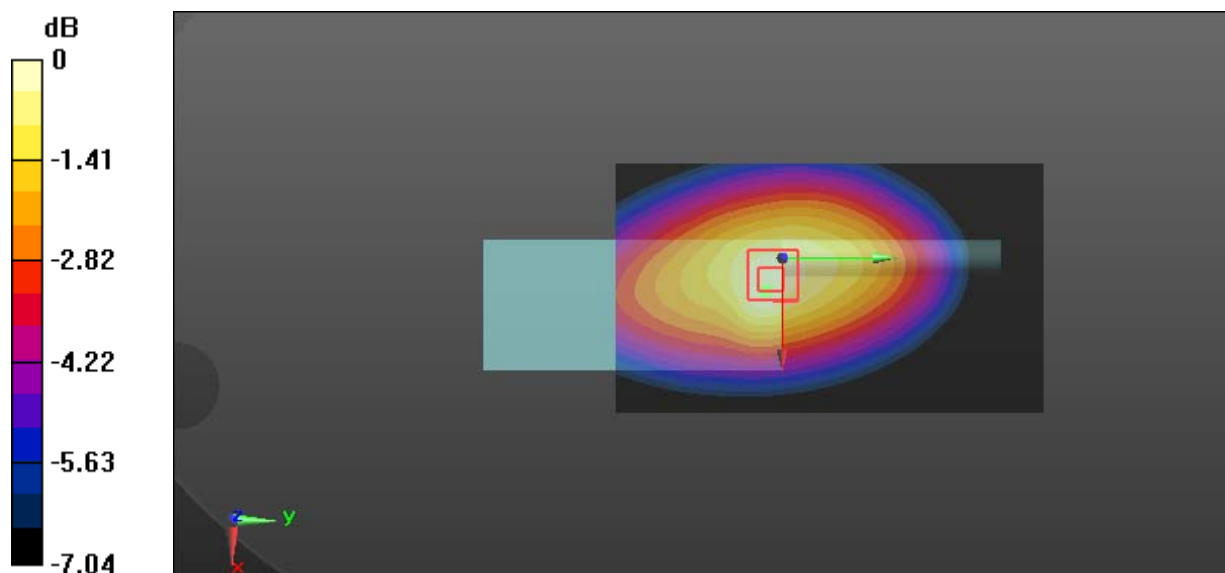
Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 106.8 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 15.0 W/kg

SAR(1 g) = 11.1 W/kg; SAR(10 g) = 8.79 W/kg

Maximum value of SAR (measured) = 13.4 W/kg



0 dB = 13.4 W/kg = 11.27 dBW/kg

Test Plot 21#: RDR4350U_PTT_FM 12.5kHz_Body Back_418 MHz**DUT: Digital Two-Way Radio; Type: RDR4350U; Serial: 18030800225**

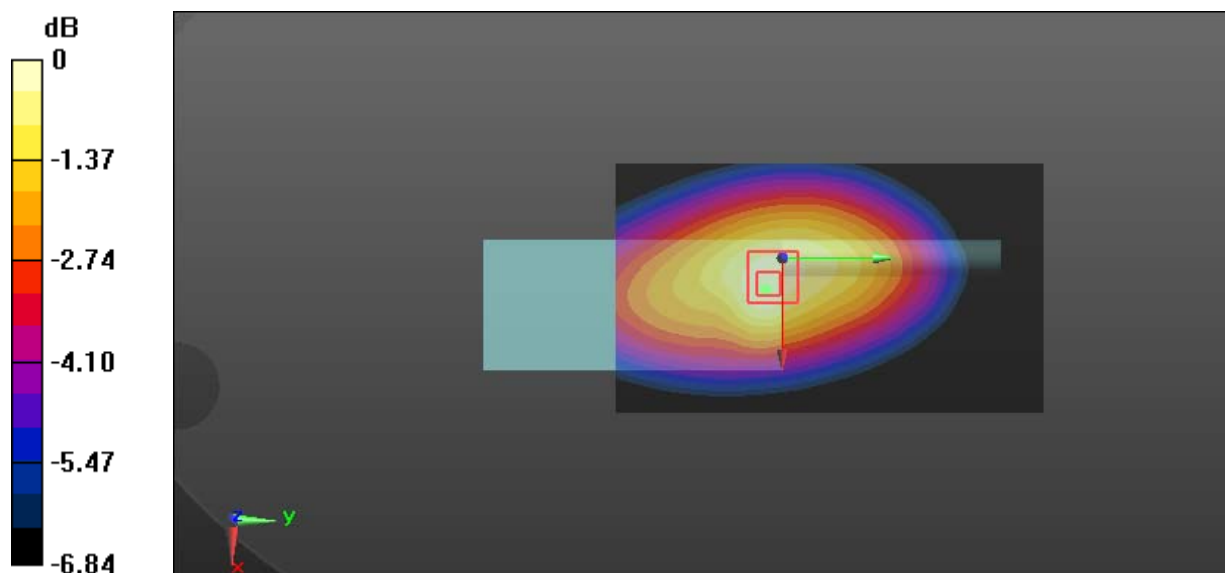
Communication System: FM; Frequency: 418 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418 \text{ MHz}$; $\sigma = 0.926 \text{ S/m}$; $\epsilon_r = 58.602$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 9.75 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 91.30 V/m ; Power Drift = -0.20 dB Peak SAR (extrapolated) = 11.2 W/kg **SAR(1 g) = 7.99 W/kg ; SAR(10 g) = 6.32 W/kg** Maximum value of SAR (measured) = 9.91 W/kg  $0 \text{ dB} = 9.91 \text{ W/kg} = 9.96 \text{ dBW/kg}$

Test Plot 22#: RDR4350U_PTT_FM 12.5kHz_Body Back_435 MHz**DUT: Digital Two-Way Radio; Type: RDR4350U; Serial: 18030800225**

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

Medium parameters used: $f = 435$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 58.517$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 8.08 W/kg

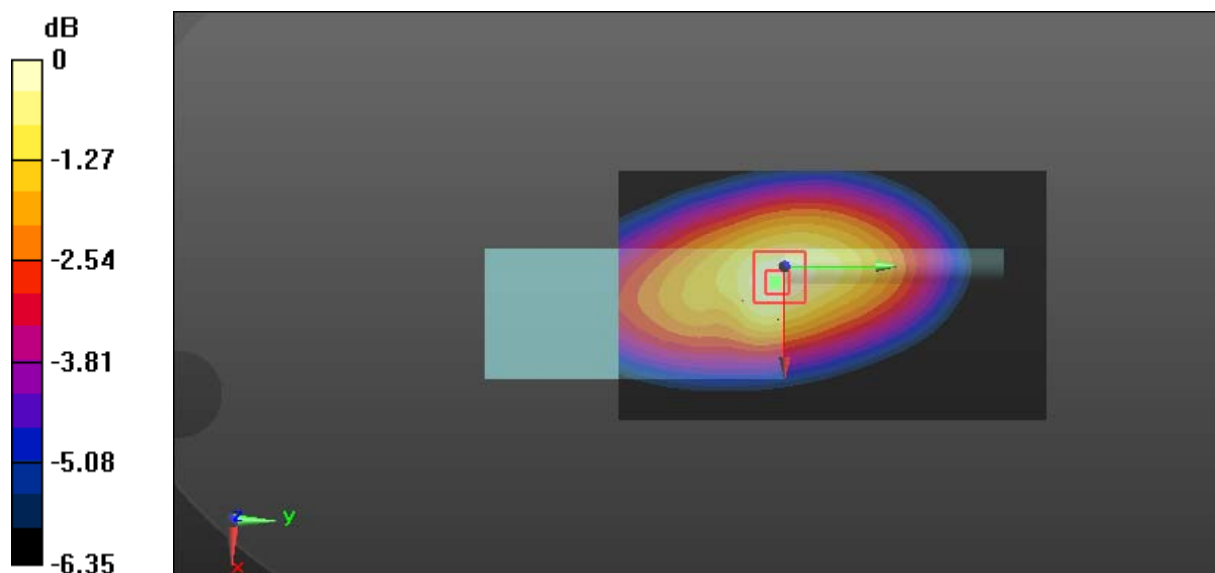
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 85.07 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 9.50 W/kg

SAR(1 g) = 6.64 W/kg; SAR(10 g) = 5.2 W/kg

Maximum value of SAR (measured) = 8.31 W/kg



0 dB = 8.31 W/kg = 9.20 dBW/kg

Test Plot 23#: RDR4350U_PTT_FM 12.5kHz_Body Back_453 MHz**DUT: Digital Two-Way Radio; Type: RDR4350U; Serial: 18030800225**

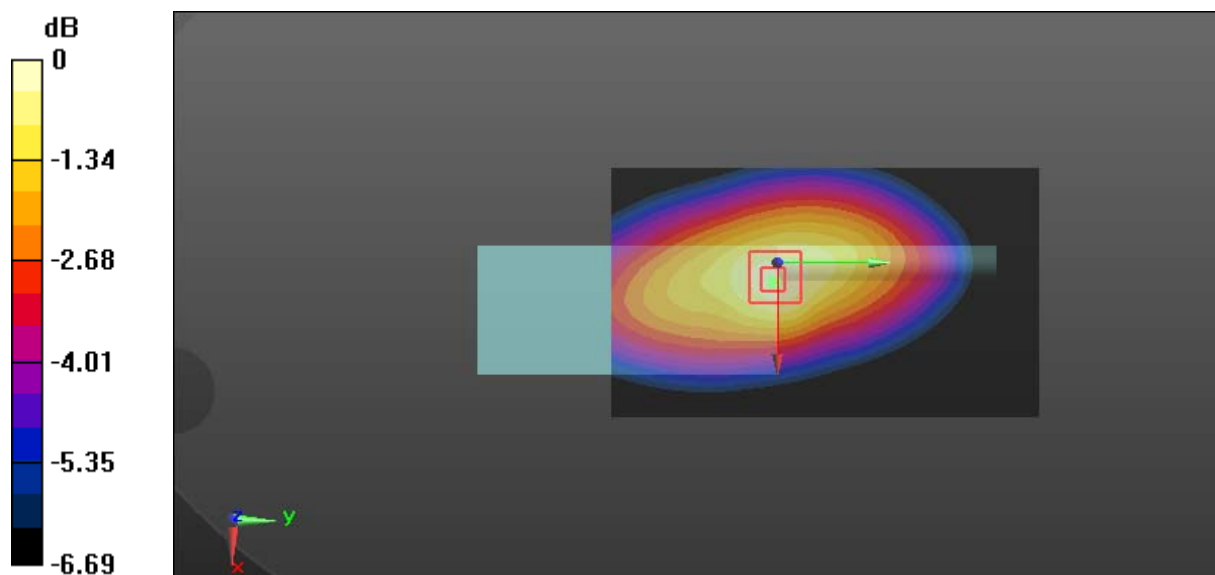
Communication System: FM; Frequency: 453 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 453 \text{ MHz}$; $\sigma = 0.937 \text{ S/m}$; $\epsilon_r = 58.422$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 5.05 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 64.45 V/m ; Power Drift = -0.04 dB Peak SAR (extrapolated) = 6.25 W/kg **SAR(1 g) = 4.02 W/kg ; SAR(10 g) = 3.03 W/kg** Maximum value of SAR (measured) = 5.30 W/kg  $0 \text{ dB} = 5.30 \text{ W/kg} = 7.24 \text{ dBW/kg}$

Test Plot 24#: RDR4350U_PTT_FM 12.5kHz_Body Back_469.9875 MHz**DUT: Digital Two-Way Radio; Type: RDR4350U; Serial: 18030800225**

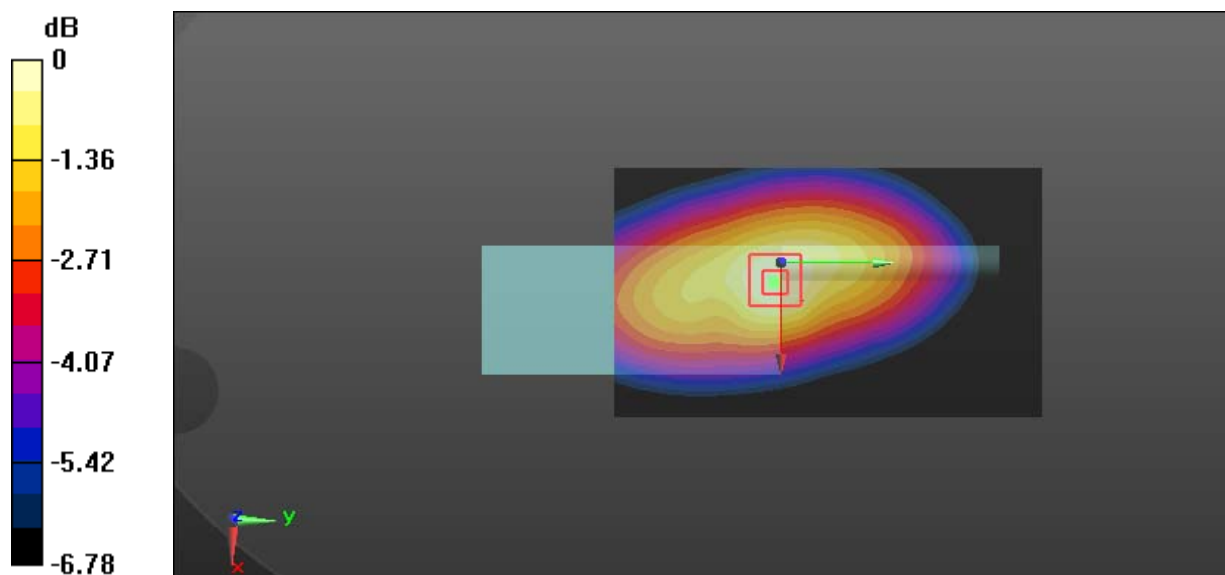
Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 469.988 \text{ MHz}$; $\sigma = 0.946 \text{ S/m}$; $\epsilon_r = 58.301$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 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 = 66.32 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 6.52 W/kg **SAR(1 g) = 4.12 W/kg ; SAR(10 g) = 3.04 W/kg** Maximum value of SAR (measured) = 5.50 W/kg  $0 \text{ dB} = 5.50 \text{ W/kg} = 7.40 \text{ dBW/kg}$

Test Plot 30#: RDR4350U_PTT_4FSK 12.5kHz_Body Back_400.0125 MHz**DUT: Digital Two-Way Radio; Type: RDR4350U; Serial: 18030800225**

Communication System: 4FSK; Frequency: 400.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.924$ S/m; $\epsilon_r = 58.647$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.85 W/kg

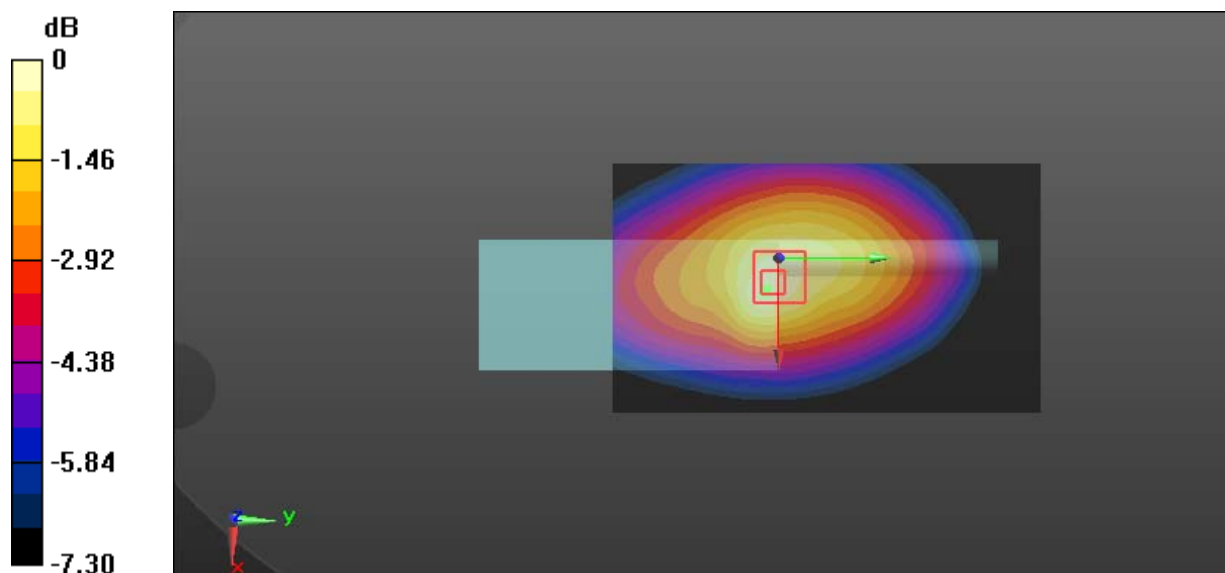
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 45.50 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.23 W/kg

SAR(1 g) = 1.52 W/kg; SAR(10 g) = 1.19 W/kg

Maximum value of SAR (measured) = 1.91 W/kg



0 dB = 1.91 W/kg = 2.81 dBW/kg

Test Plot 31#: RDR4350U_PTT_FM 12.5kHz_Body Back_400.0125 MHz Headset 1**DUT: Digital Two-Way Radio; Type: RDR4350U; Serial: 18030800225**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.924$ S/m; $\epsilon_r = 58.647$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

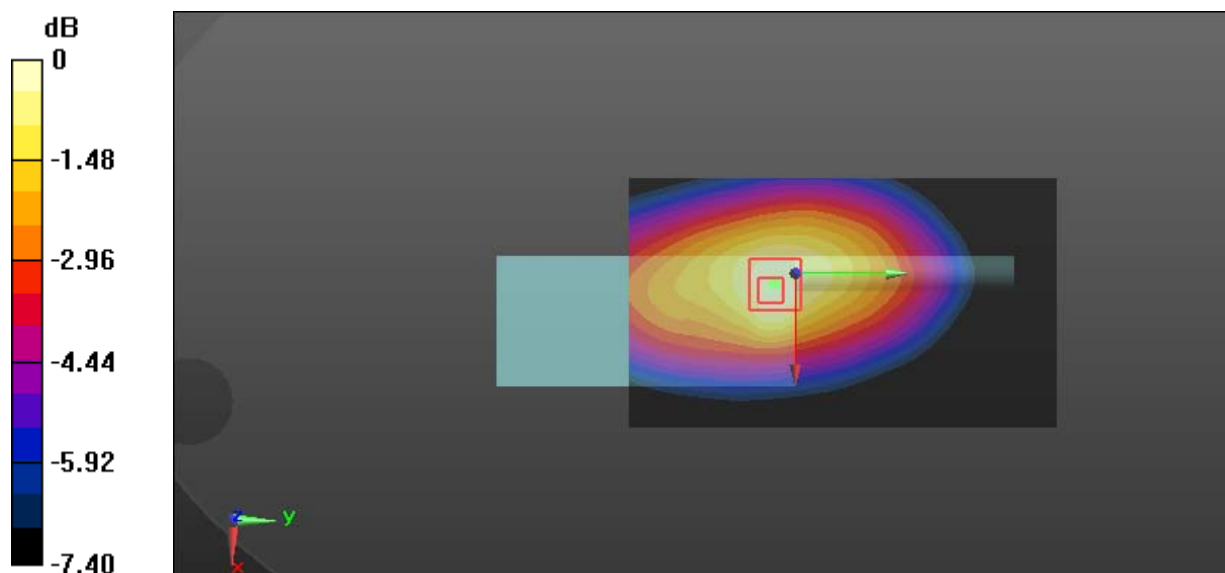
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 98.80 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 13.9 W/kg

SAR(1 g) = 9.2 W/kg; SAR(10 g) = 6.59 W/kg

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



0 dB = 11.9 W/kg = 10.76 dBW/kg

Test Plot 32#: RDR4350U_PTT_FM 12.5kHz_Body Back_400.0125 MHz Headset 2**DUT: Digital Two-Way Radio; Type: RDR4350U; Serial: 18030800225**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.924$ S/m; $\epsilon_r = 58.647$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

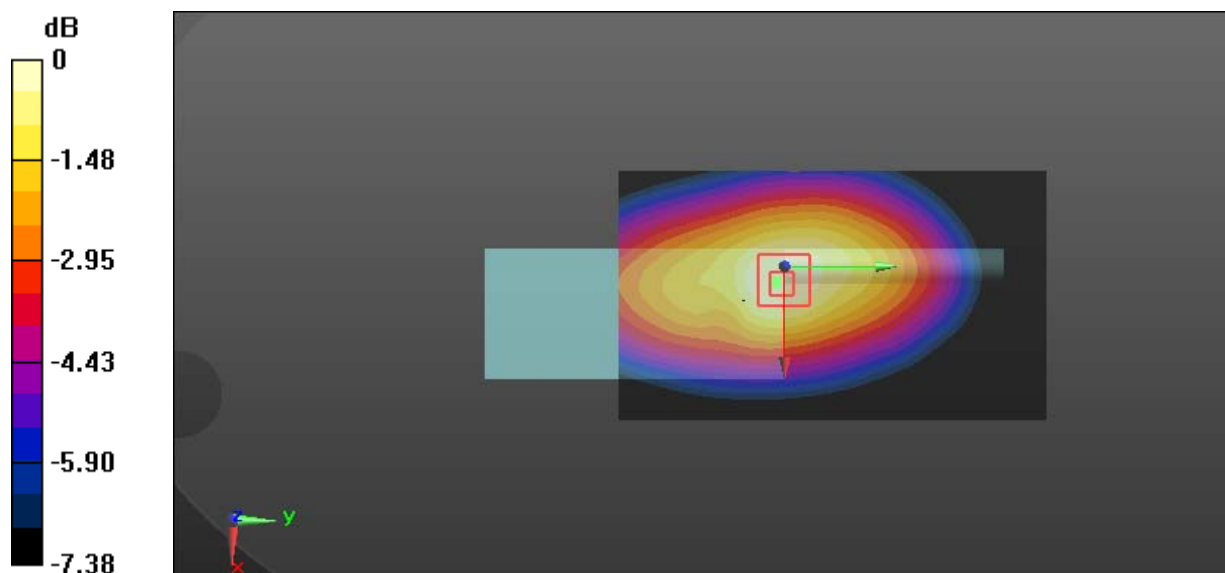
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 102.1 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 13.4 W/kg

SAR(1 g) = 9.12 W/kg; SAR(10 g) = 6.57 W/kg

Maximum value of SAR (measured) = 11.7 W/kg



0 dB = 11.7 W/kg = 10.68 dBW/kg

Test Plot 33#: RDR4380U_PTT_FM 12.5kHz_Face Up_400.0125 MHz**DUT: Digital Two-Way Radio; Type: RDR4380U; Serial: 18030800228**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.855$ S/m; $\epsilon_r = 45.463$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.97, 10.97, 10.97); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.45 W/kg

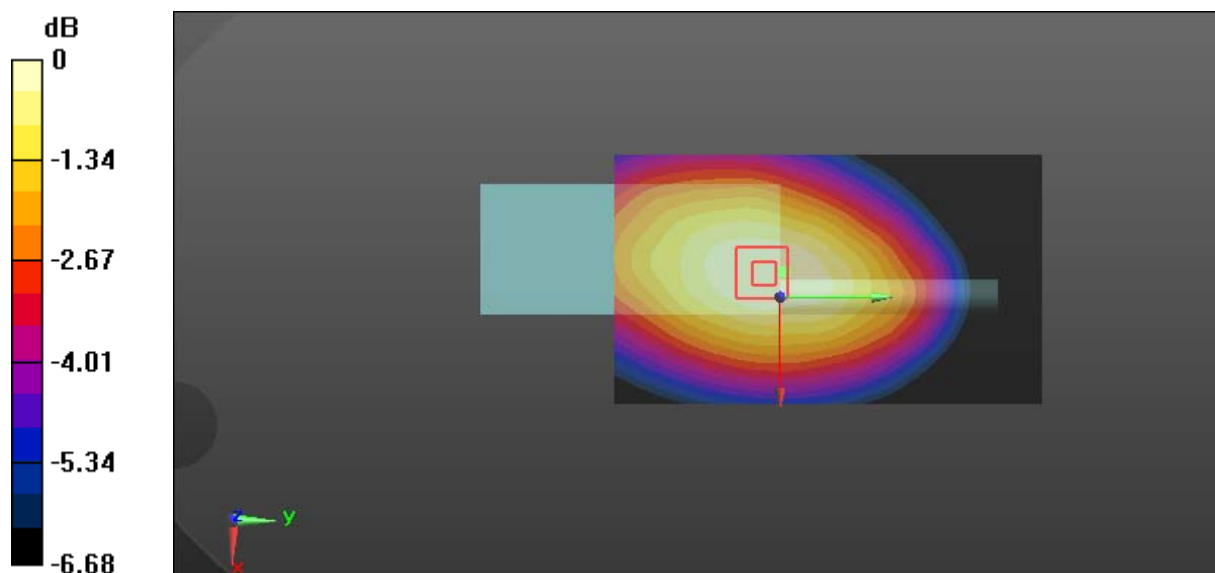
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 89.31 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 9.43 W/kg

SAR(1 g) = 6.73 W/kg; SAR(10 g) = 5.25 W/kg

Maximum value of SAR (measured) = 8.38 W/kg



0 dB = 8.38 W/kg = 9.23 dBW/kg

Test Plot 35#: RDR4380U_PTT_4FSK 12.5kHz_Face Up_400.0125 MHz**DUT: Digital Two-Way Radio; Type: RDR4380U; Serial: 18030800228**

Communication System: 4FSK; Frequency: 400.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.855$ S/m; $\epsilon_r = 45.463$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.772 W/kg

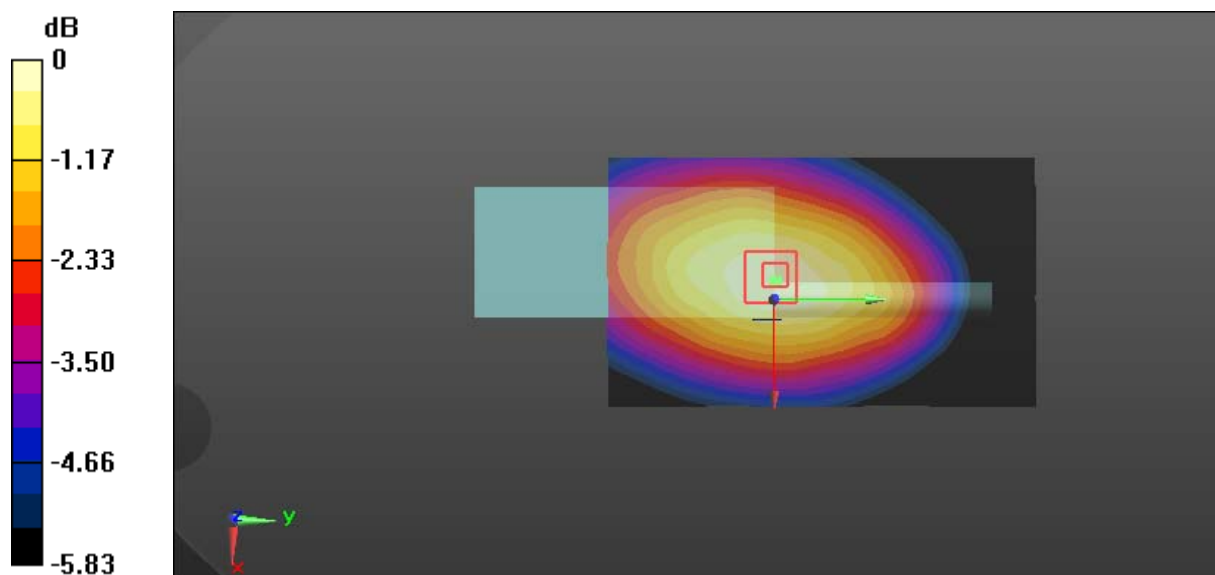
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.63 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.886 W/kg

SAR(1 g) = 0.632 W/kg; SAR(10 g) = 0.504 W/kg

Maximum value of SAR (measured) = 0.781 W/kg



0 dB = 0.781 W/kg = -1.07 dBW/kg

Test Plot 36#: RDR4380U_PTT_FM 12.5kHz_Body Back_400.0125 MHz**DUT: Digital Two-Way Radio; Type: RDR4380U; Serial: 18030800228**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.936$ S/m; $\epsilon_r = 57.445$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

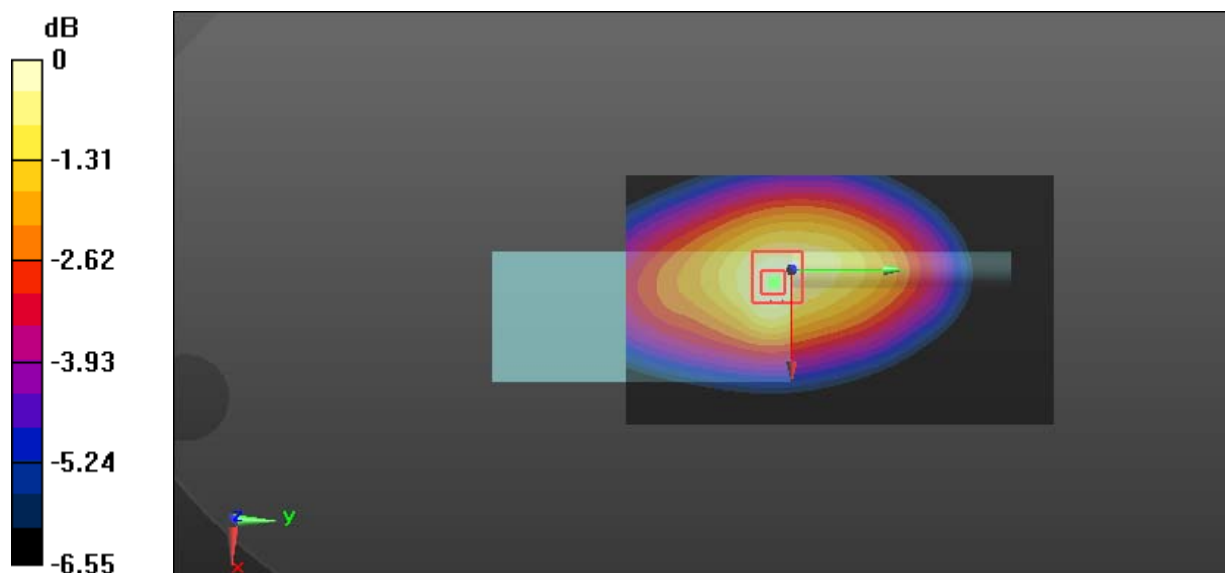
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 100.9 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 14.0 W/kg

SAR(1 g) = 9.68 W/kg; SAR(10 g) = 7.72 W/kg

Maximum value of SAR (measured) = 11.7 W/kg



0 dB = 11.7 W/kg = 10.68 dBW/kg

Test Plot 37#: RDR4380U_PTT_FM 12.5kHz_Body Back_418 MHz**DUT: Digital Two-Way Radio; Type: RDR4380U; Serial: 18030800228**

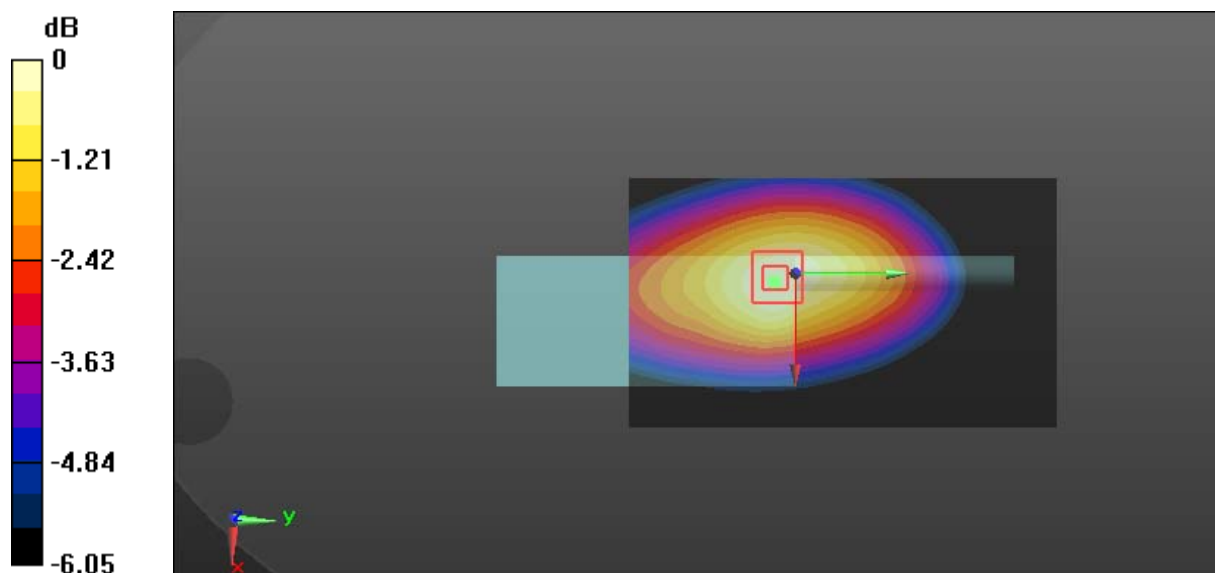
Communication System: FM; Frequency: 418 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418 \text{ MHz}$; $\sigma = 0.954 \text{ S/m}$; $\epsilon_r = 56.91$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 11.2 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 = -0.07 dB Peak SAR (extrapolated) = 12.4 W/kg **SAR(1 g) = 9.24 W/kg ; SAR(10 g) = 7.43 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 38#: RDR4380U_PTT_FM 12.5kHz_Body Back_435 MHz**DUT: Digital Two-Way Radio; Type: RDR4380U; Serial: 18030800228**

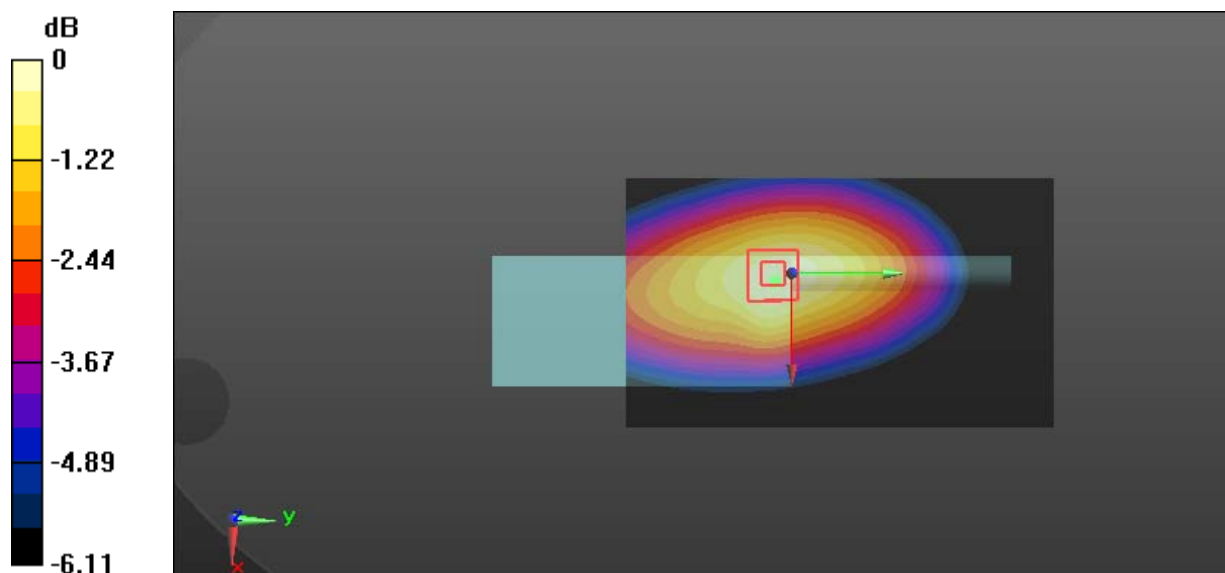
Communication System: FM; Frequency: 435 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 435 \text{ MHz}$; $\sigma = 0.966 \text{ S/m}$; $\epsilon_r = 56.762$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 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 = 78.36 V/m ; Power Drift = -0.15 dB Peak SAR (extrapolated) = 7.74 W/kg **SAR(1 g) = 5.63 W/kg ; SAR(10 g) = 4.47 W/kg** Maximum value of SAR (measured) = 6.87 W/kg  $0 \text{ dB} = 6.87 \text{ W/kg} = 8.37 \text{ dBW/kg}$

Test Plot 39#: RDR4380U_PTT_FM 12.5kHz_Body Back_453 MHz**DUT: Digital Two-Way Radio; Type: RDR4380U; Serial: 18030800228**

Communication System: FM; Frequency: 453 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 453$ MHz; $\sigma = 0.963$ S/m; $\epsilon_r = 56.262$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 5.14 W/kg

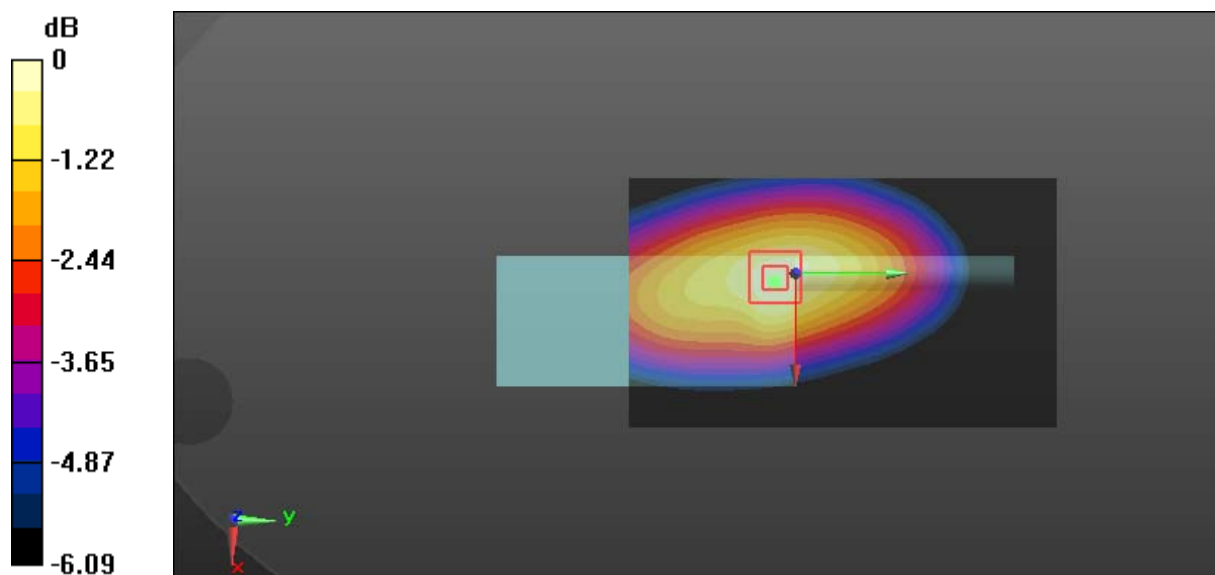
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 66.87 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 5.90 W/kg

SAR(1 g) = 4.18 W/kg; SAR(10 g) = 3.27 W/kg

Maximum value of SAR (measured) = 5.20 W/kg



0 dB = 5.20 W/kg = 7.16 dBW/kg

Test Plot 40#: RDR4380U_PTT_FM 12.5kHz_Body Back_469.9875 MHz**DUT: Digital Two-Way Radio; Type: RDR4380U; Serial: 18030800228**

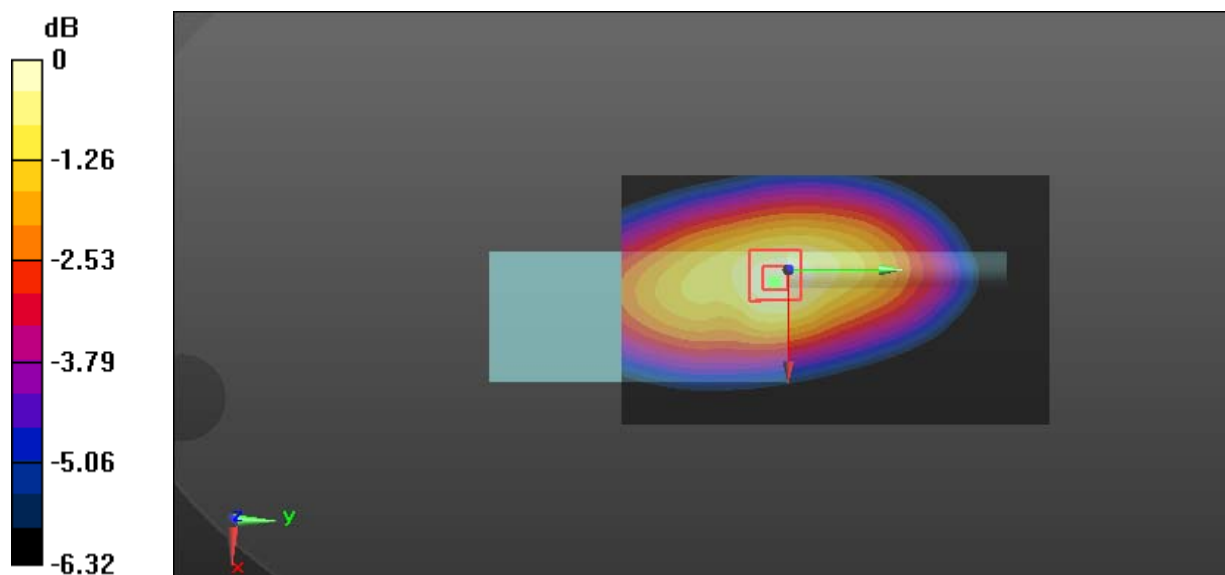
Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 469.988 \text{ MHz}$; $\sigma = 0.971 \text{ S/m}$; $\epsilon_r = 55.947$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.28 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 60.85 V/m ; Power Drift = -0.17 dB Peak SAR (extrapolated) = 4.96 W/kg **SAR(1 g) = 3.41 W/kg ; SAR(10 g) = 2.62 W/kg** Maximum value of SAR (measured) = 4.34 W/kg  $0 \text{ dB} = 4.34 \text{ W/kg} = 6.37 \text{ dBW/kg}$

Test Plot 46#: RDR4380U_PTT_4FSK 12.5kHz_Body Back_400.0125 MHz**DUT: Digital Two-Way Radio; Type: RDR4380U; Serial: 18030800228**

Communication System: 4FSK; Frequency: 400.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.936$ S/m; $\epsilon_r = 57.445$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.949 W/kg

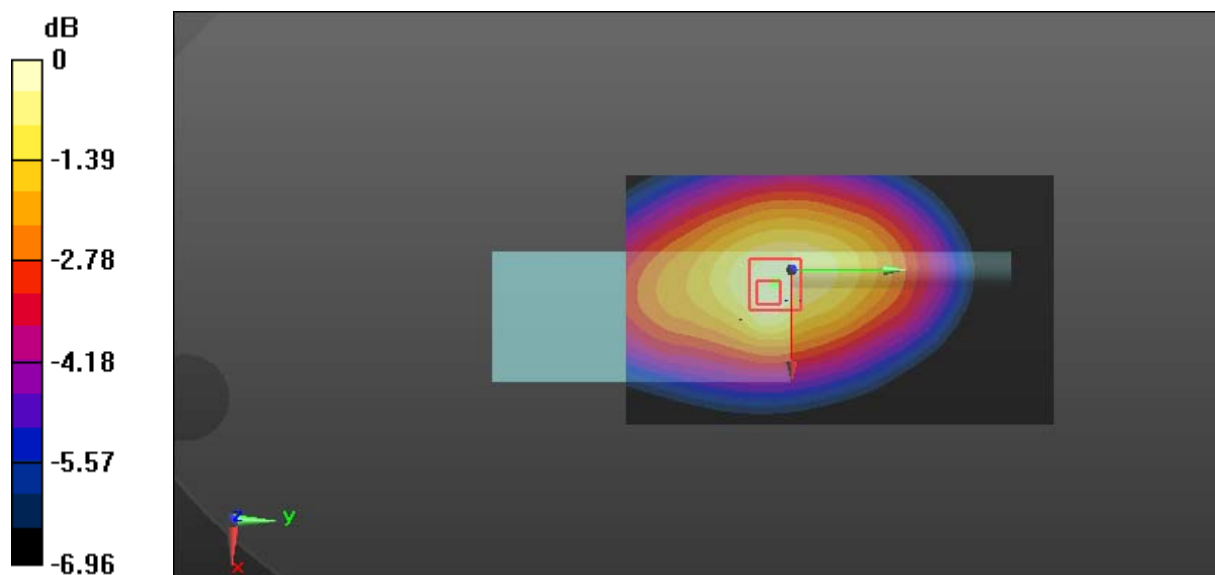
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 34.29 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.13 W/kg

SAR(1 g) = 0.794 W/kg; SAR(10 g) = 0.622 W/kg

Maximum value of SAR (measured) = 0.974 W/kg



0 dB = 0.974 W/kg = -0.11 dBW/kg

Test Plot 47#: RDR4380U_PTT_FM 12.5kHz_Body Back_400.0125 MHz Headset 1**DUT: Digital Two-Way Radio; Type: RDR4380U; Serial: 18030800228**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.936$ S/m; $\epsilon_r = 57.445$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.90 W/kg

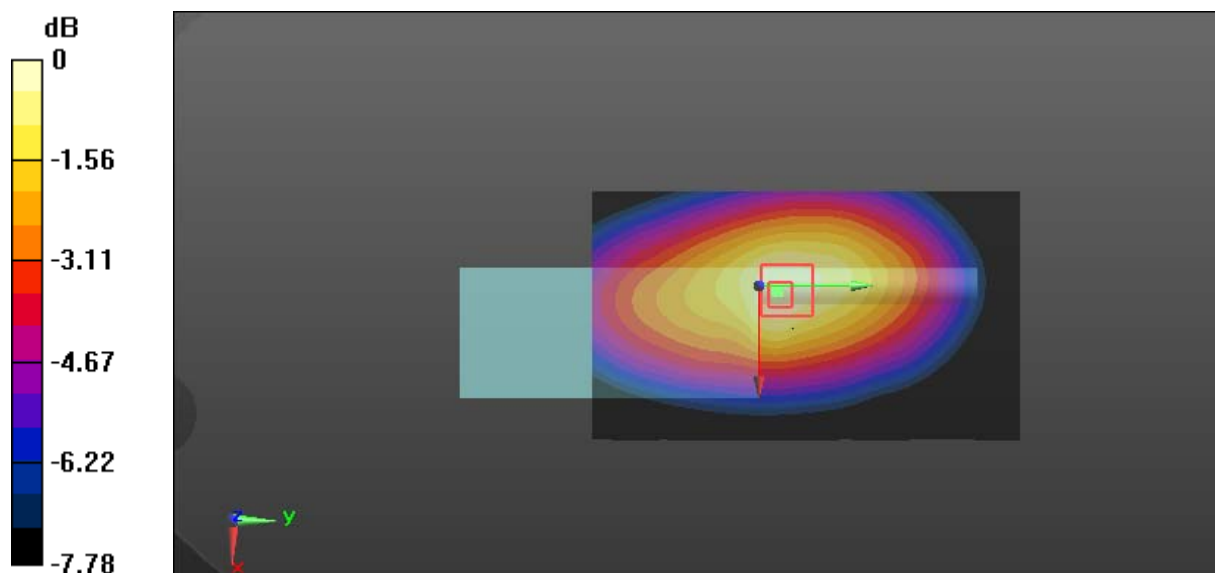
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 89.42 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 7.63 W/kg; SAR(10 g) = 5.47 W/kg

Maximum value of SAR (measured) = 9.79 W/kg



0 dB = 9.79 W/kg = 9.91 dBW/kg

Test Plot 48#: RDR4380U_PTT_FM 12.5kHz_Body Back_400.0125 MHz Headset 2**DUT: Digital Two-Way Radio; Type: RDR4380U; Serial: 18030800228**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.936$ S/m; $\epsilon_r = 57.445$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2017/11/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1459; Calibrated: 2017/9/15
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

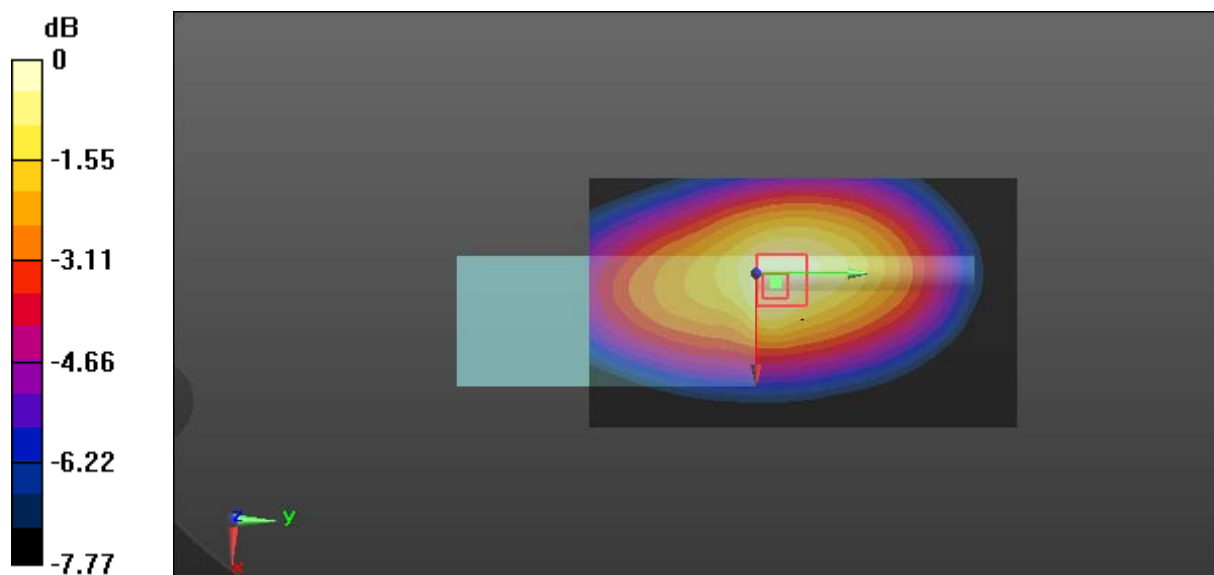
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 87.66 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 11.0 W/kg

SAR(1 g) = 7.29 W/kg; SAR(10 g) = 5.23 W/kg

Maximum value of SAR (measured) = 9.39 W/kg



0 dB = 9.39 W/kg = 9.73 dBW/kg