

Test Plot 1#: PTT_FM 12.5kHz_Face Up_136.0125 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 136.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.736$ S/m; $\epsilon_r = 53.554$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.88, 12.88, 12.88); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.94 W/kg

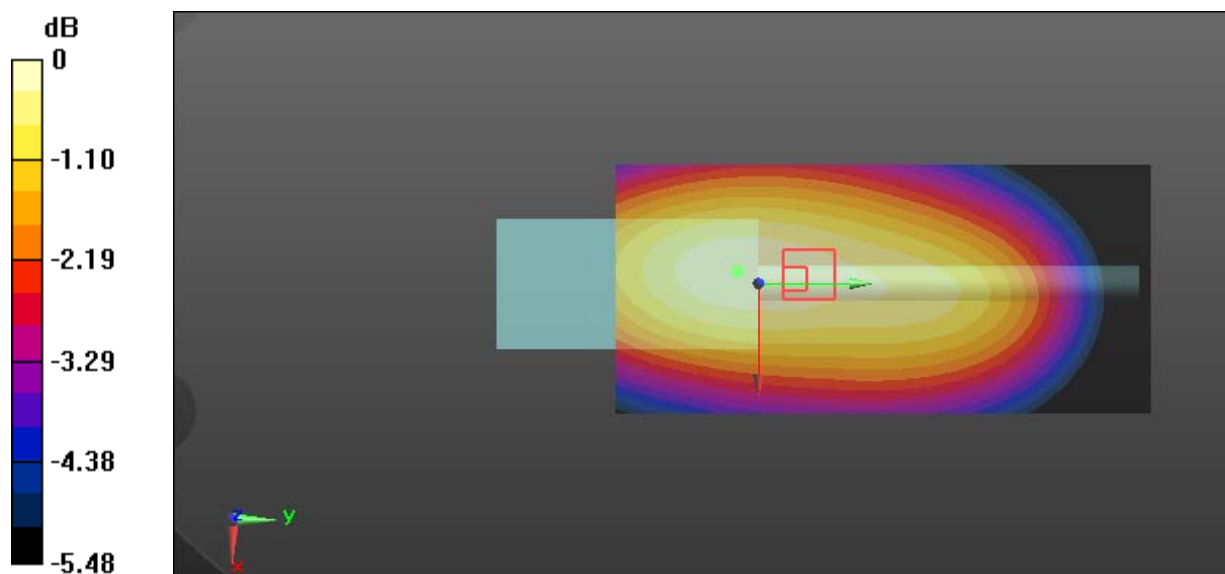
Zoom Scan (6x9x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 64.64 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 3.57 W/kg

SAR(1 g) = 2.82 W/kg; SAR(10 g) = 2.27 W/kg

Maximum value of SAR (measured) = 2.98 W/kg



0 dB = 2.98 W/kg = 4.74 dBW/kg

Test Plot 2#: PTT_FM 25kHz_Face Up_136.0125 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 136.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.736$ S/m; $\epsilon_r = 53.554$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.88, 12.88, 12.88); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.27 W/kg

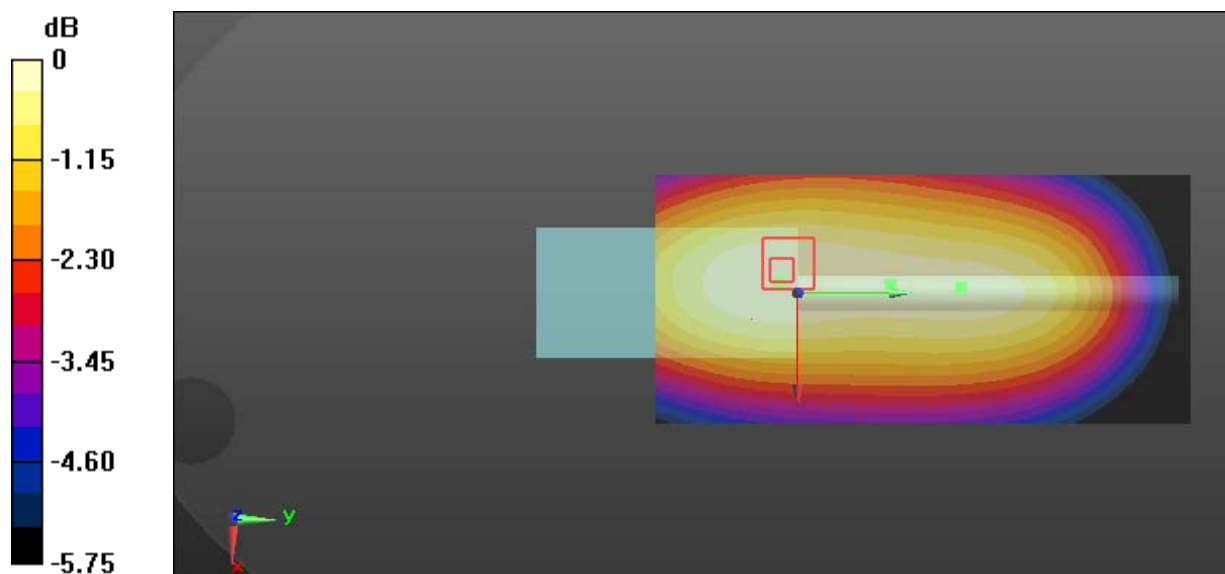
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 65.88 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 3.99 W/kg

SAR(1 g) = 3.07 W/kg; SAR(10 g) = 2.50 W/kg

Maximum value of SAR (measured) = 3.36 W/kg



0 dB = 3.36 W/kg = 5.26 dBW/kg

Test Plot 3#: PTT_4FSK 12.5kHz_Face Up_136.0125 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: 4FSK; Frequency: 136.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.736$ S/m; $\epsilon_r = 53.554$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.88, 12.88, 12.88); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.34 W/kg

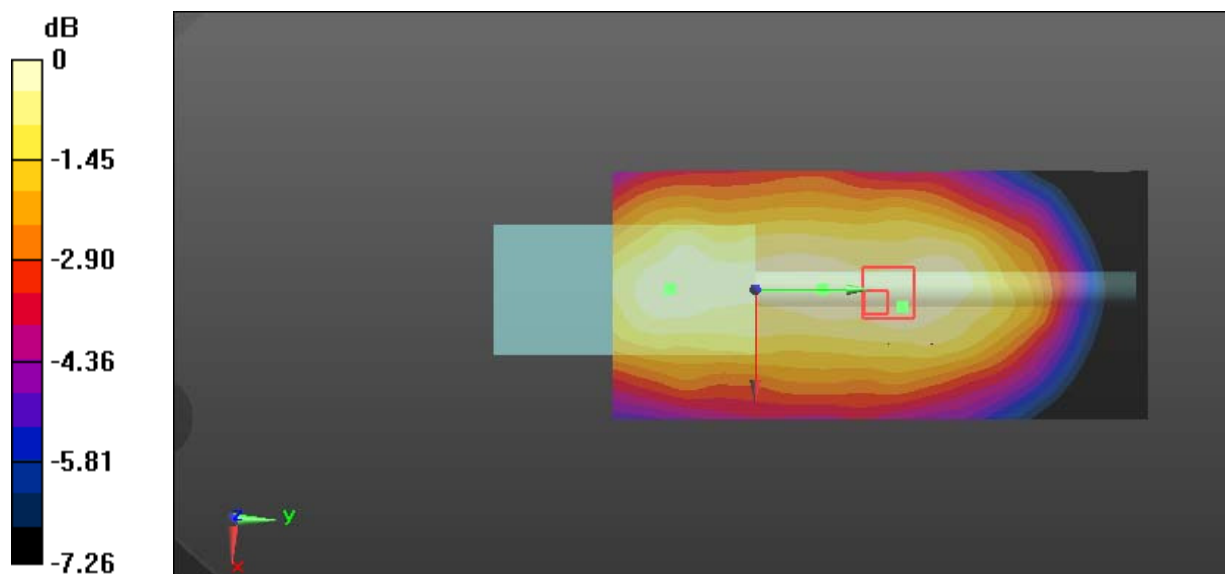
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 49.92 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 3.06 W/kg

SAR(1 g) = 1.76 W/kg; SAR(10 g) = 1.36 W/kg

Maximum value of SAR (measured) = 2.38 W/kg



0 dB = 2.38 W/kg = 3.77 dBW/kg

Test Plot 4#: PTT_FM 12.5kHz_Body Back_136.0125 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 136.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.792$ S/m; $\epsilon_r = 61.378$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 21.0 W/kg

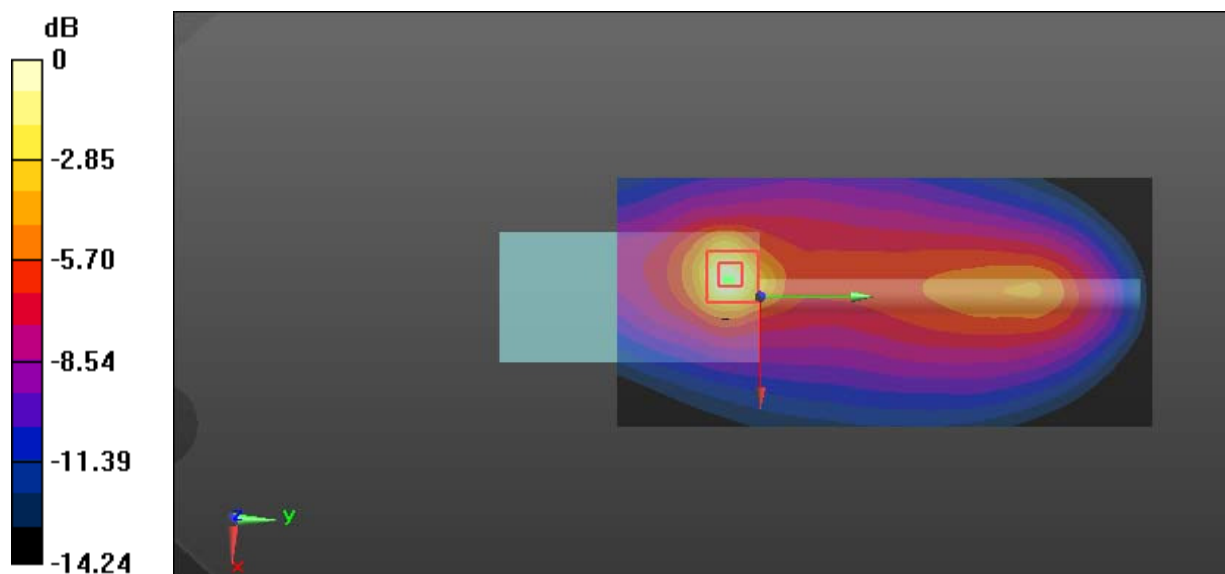
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 79.78 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 42.0 W/kg

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

Maximum value of SAR (measured) = 20.7 W/kg



0 dB = 20.7 W/kg = 13.16 dBW/kg

Test Plot 5#: PTT_FM 12.5kHz_Body Back_143 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

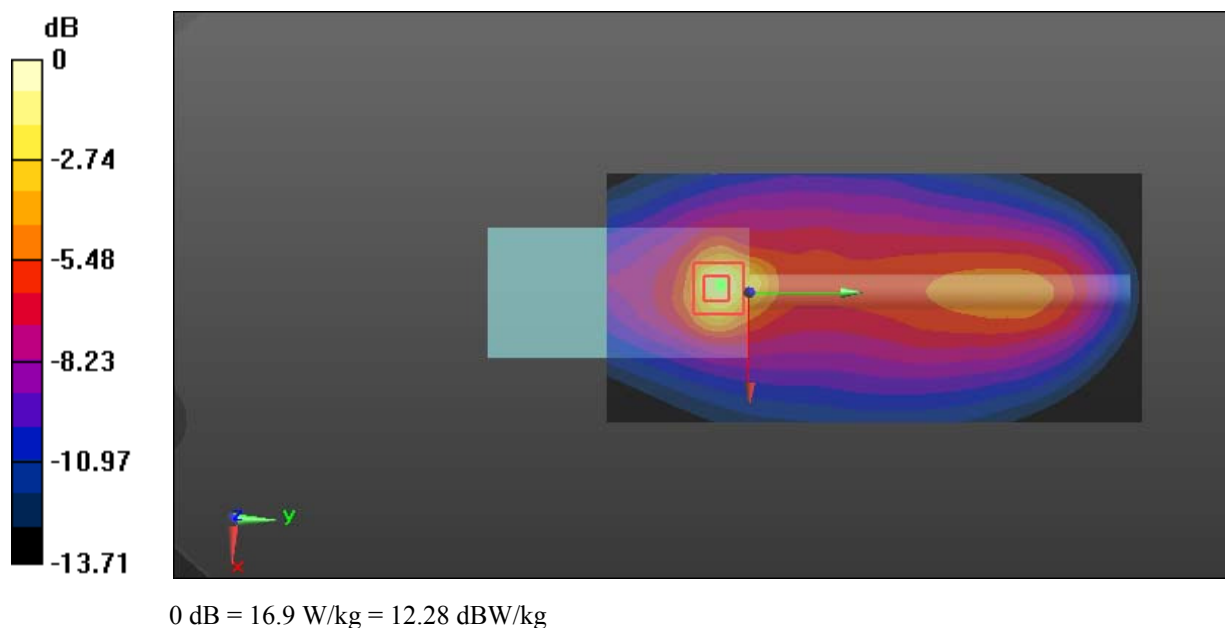
Communication System: FM; Frequency: 143 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 143 \text{ MHz}$; $\sigma = 0.794 \text{ S/m}$; $\epsilon_r = 61.282$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 14.1 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 81.37 V/m ; Power Drift = -0.04 dB Peak SAR (extrapolated) = 35.8 W/kg **SAR(1 g) = 8.14 W/kg ; SAR(10 g) = 4.09 W/kg** Maximum value of SAR (measured) = 16.9 W/kg 

Test Plot 6#: PTT_FM 12.5kHz_Body Back_149.9875 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

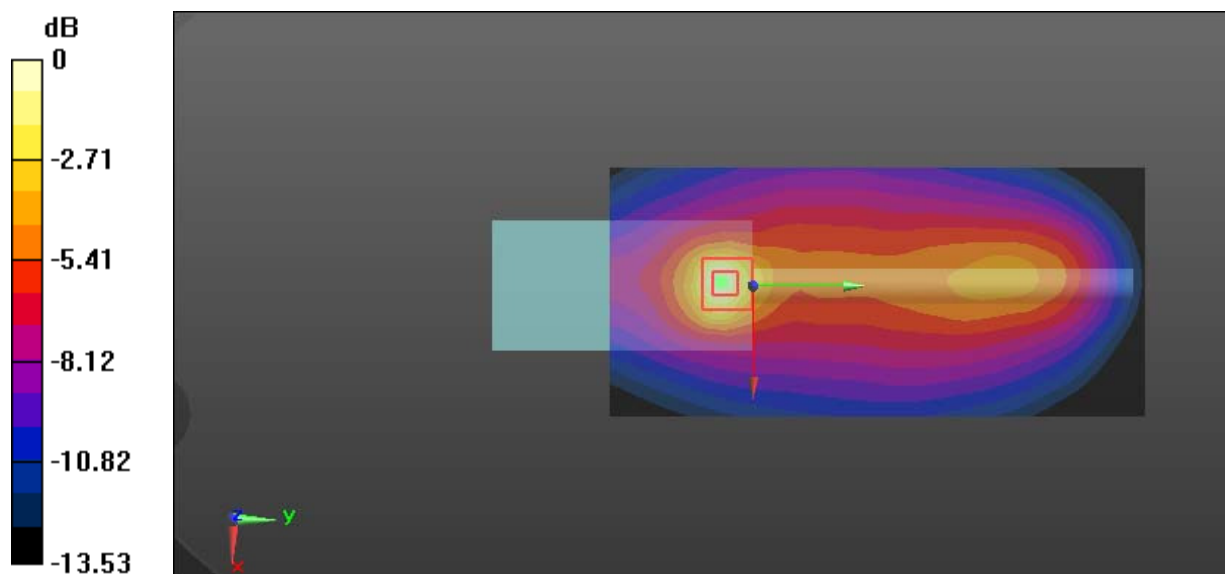
Communication System: FM; Frequency: 149.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 149.988 \text{ MHz}$; $\sigma = 0.809 \text{ S/m}$; $\epsilon_r = 61.148$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 12.7 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 70.57 V/m ; Power Drift = -0.17 dB Peak SAR (extrapolated) = 24.6 W/kg **SAR(1 g) = 6.18 W/kg ; SAR(10 g) = 3.21 W/kg** Maximum value of SAR (measured) = 12.9 W/kg  $0 \text{ dB} = 12.9 \text{ W/kg} = 11.11 \text{ dBW/kg}$

Test Plot 7#: PTT_FM 25kHz_Body Back_136.0125 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 136.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.792$ S/m; $\epsilon_r = 61.378$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

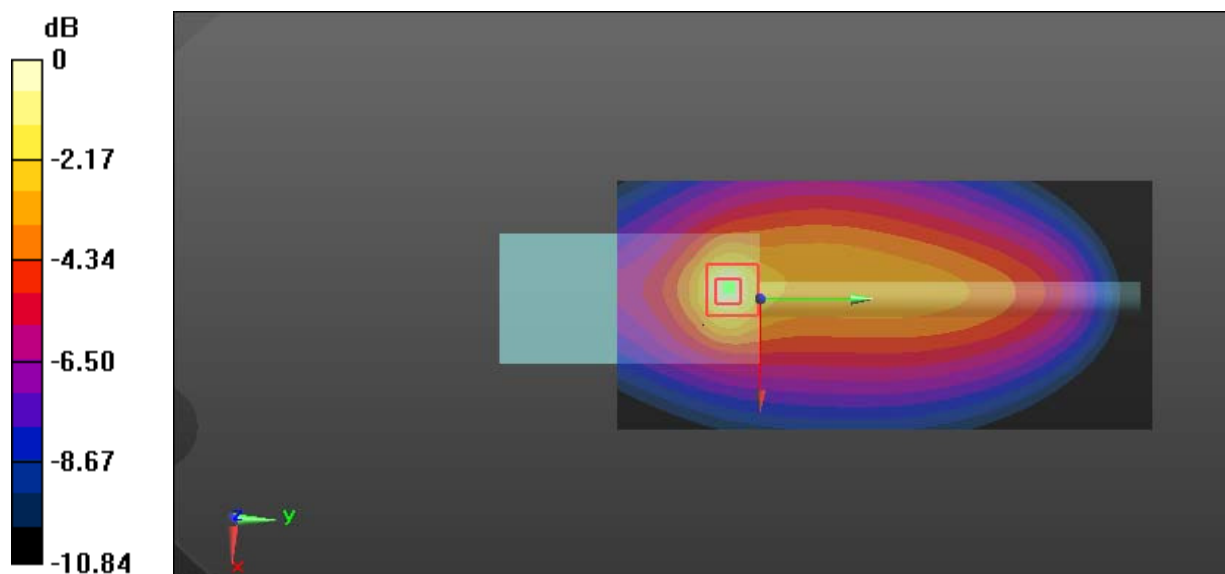
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 92.59 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 24.5 W/kg

SAR(1 g) = 10.6 W/kg; SAR(10 g) = 5.85 W/kg

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



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

Test Plot 8#: PTT_FM 25kHz_Body Back_143 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

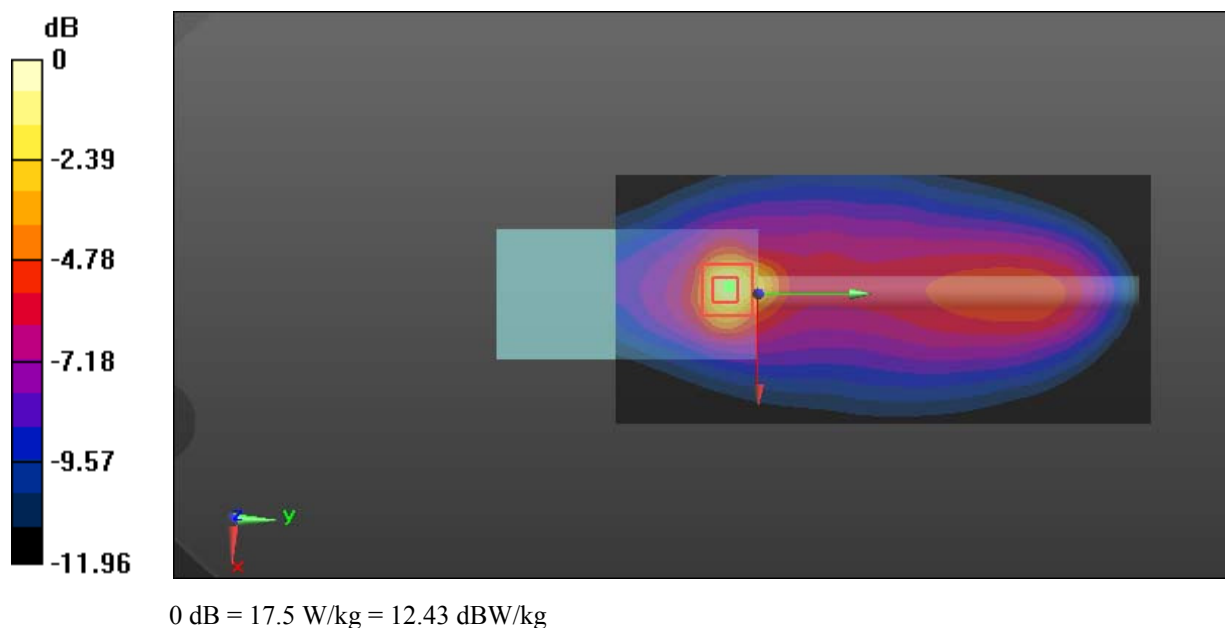
Communication System: FM; Frequency: 143 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 143 \text{ MHz}$; $\sigma = 0.794 \text{ S/m}$; $\epsilon_r = 61.282$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 14.5 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 81.74 V/m ; Power Drift = -0.06 dB Peak SAR (extrapolated) = 37.1 W/kg **SAR(1 g) = 8.43 W/kg ; SAR(10 g) = 4.23 W/kg** Maximum value of SAR (measured) = 17.5 W/kg 

Test Plot 9#: PTT_FM 25kHz_Body Back_149.9875 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 149.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 149.988$ MHz; $\sigma = 0.809$ S/m; $\epsilon_r = 61.148$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 12.4 W/kg

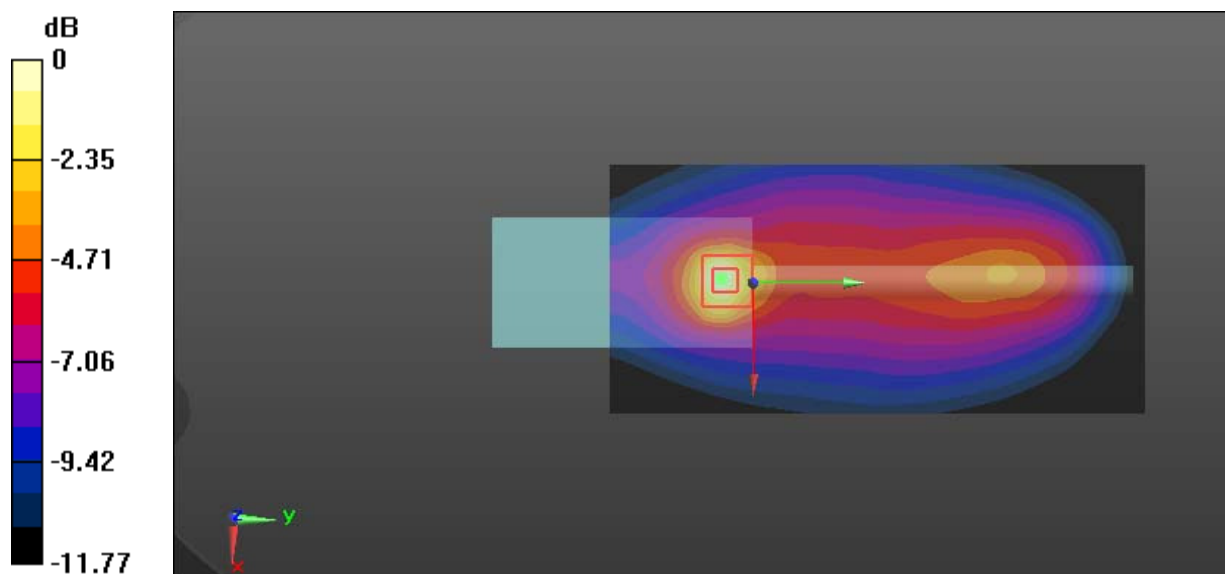
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 70.12 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 24.3 W/kg

SAR(1 g) = 6.09 W/kg; SAR(10 g) = 3.21 W/kg

Maximum value of SAR (measured) = 12.8 W/kg



0 dB = 12.8 W/kg = 11.07 dBW/kg

Test Plot 10#: PTT_4FSK 12.5kHz_Body Back_136.0125 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: 4FSK; Frequency: 136.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.792$ S/m; $\epsilon_r = 61.378$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.81 W/kg

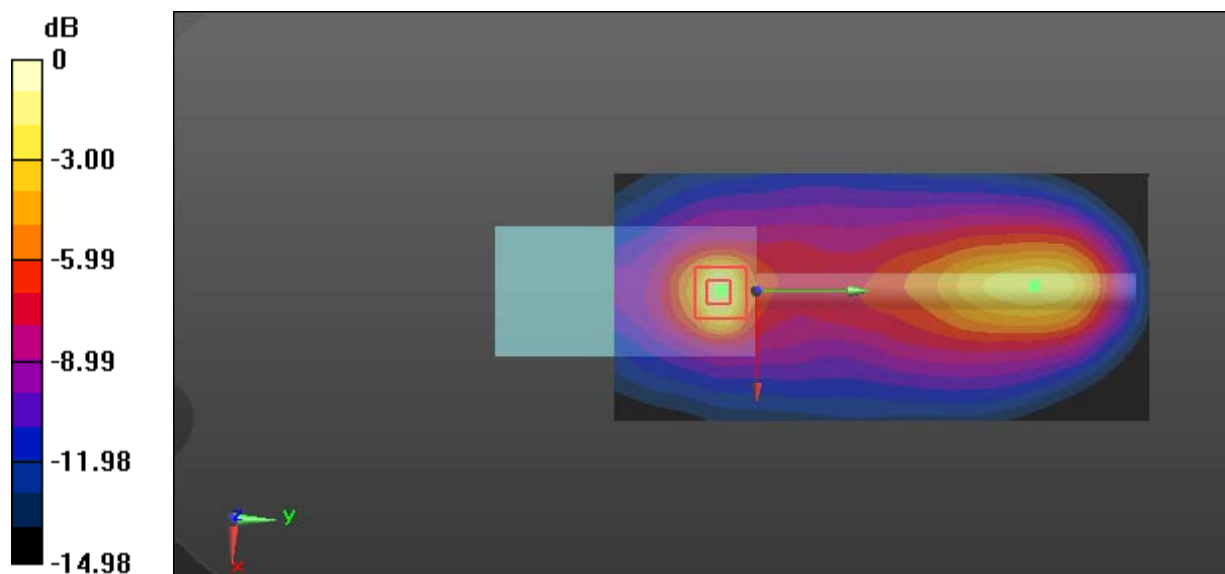
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.21 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 21.1 W/kg

SAR(1 g) = 5.27 W/kg; SAR(10 g) = 2.49 W/kg

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



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

Test Plot 11#: PTT_FM 12.5kHz_Face Up_146.0125 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 146.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 146.012$ MHz; $\sigma = 0.747$ S/m; $\epsilon_r = 53.386$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.88, 12.88, 12.88); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.79 W/kg

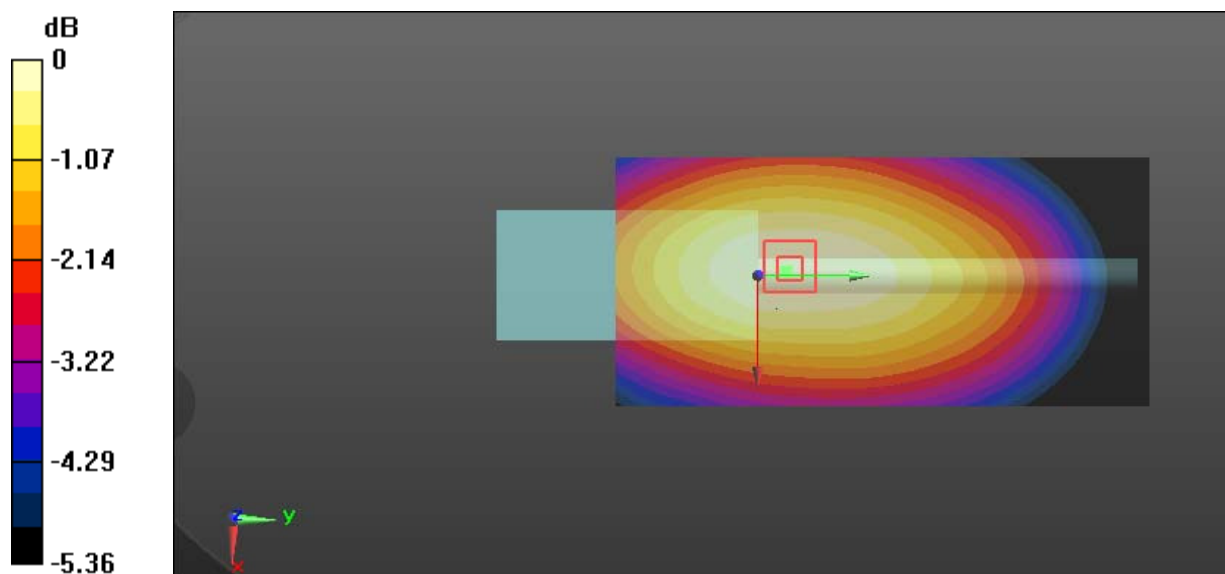
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 72.68 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 4.26 W/kg

SAR(1 g) = 3.37 W/kg; SAR(10 g) = 2.73 W/kg

Maximum value of SAR (measured) = 3.76 W/kg



0 dB = 3.76 W/kg = 5.75 dBW/kg

Test Plot 12#: PTT_FM 25kHz_Face Up_146.0125 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 146.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 146.012$ MHz; $\sigma = 0.747$ S/m; $\epsilon_r = 53.386$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.88, 12.88, 12.88); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.94 W/kg

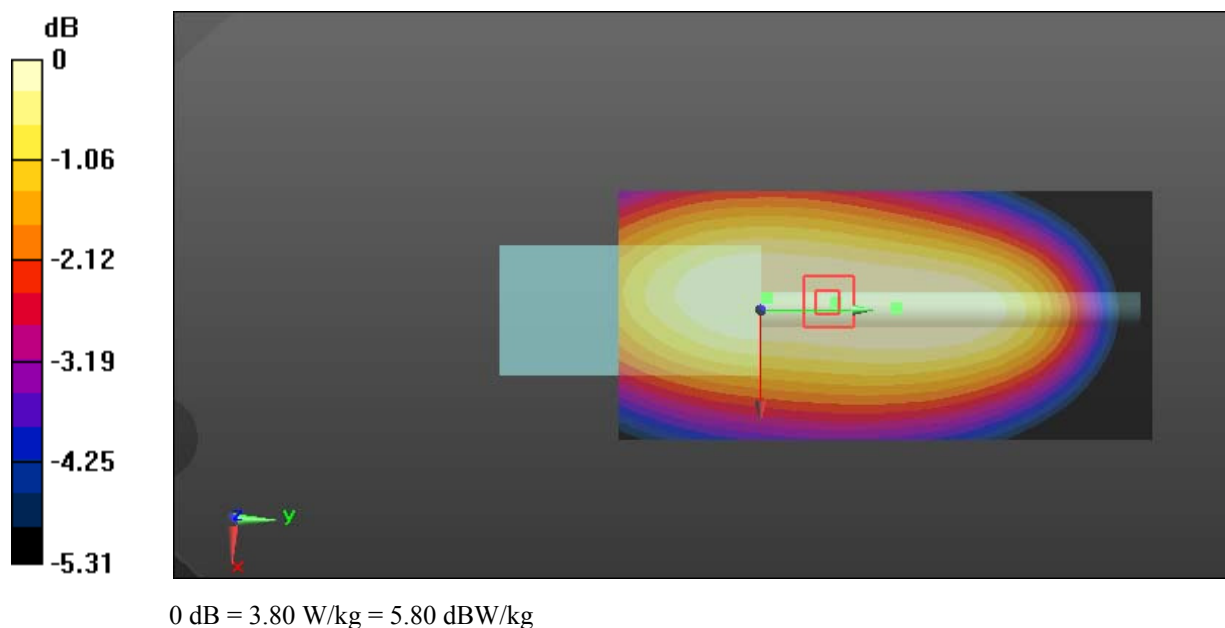
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 74.52 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 4.55 W/kg

SAR(1 g) = 3.67 W/kg; SAR(10 g) = 2.97 W/kg

Maximum value of SAR (measured) = 3.80 W/kg



Test Plot 13#: PTT_4FSK 12.5kHz_Face Up_146.0125 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: 4FSK; Frequency: 146.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 146.012$ MHz; $\sigma = 0.747$ S/m; $\epsilon_r = 53.386$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.88, 12.88, 12.88); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.43 W/kg

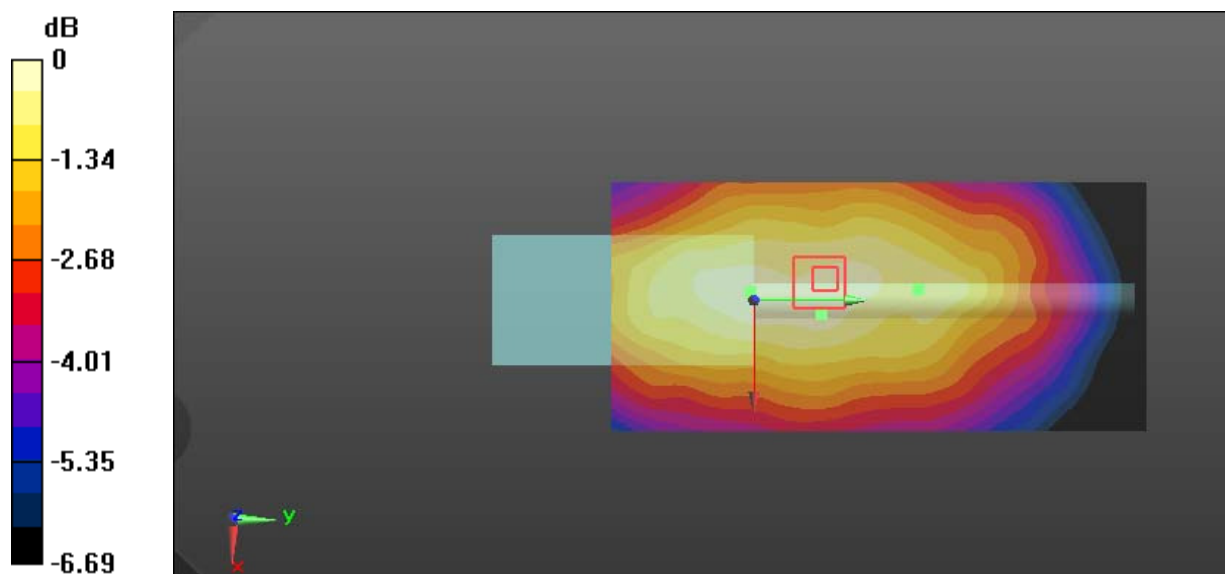
Zoom Scan (6x9x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 51.65 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.96 W/kg

SAR(1 g) = 1.96 W/kg; SAR(10 g) = 1.55 W/kg

Maximum value of SAR (measured) = 2.51 W/kg



0 dB = 2.51 W/kg = 4.00 dBW/kg

Test Plot 14#: PTT_FM 12.5kHz_Body Back_146.0125 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 146.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 146.012$ MHz; $\sigma = 0.805$ S/m; $\epsilon_r = 61.187$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 18.3 W/kg

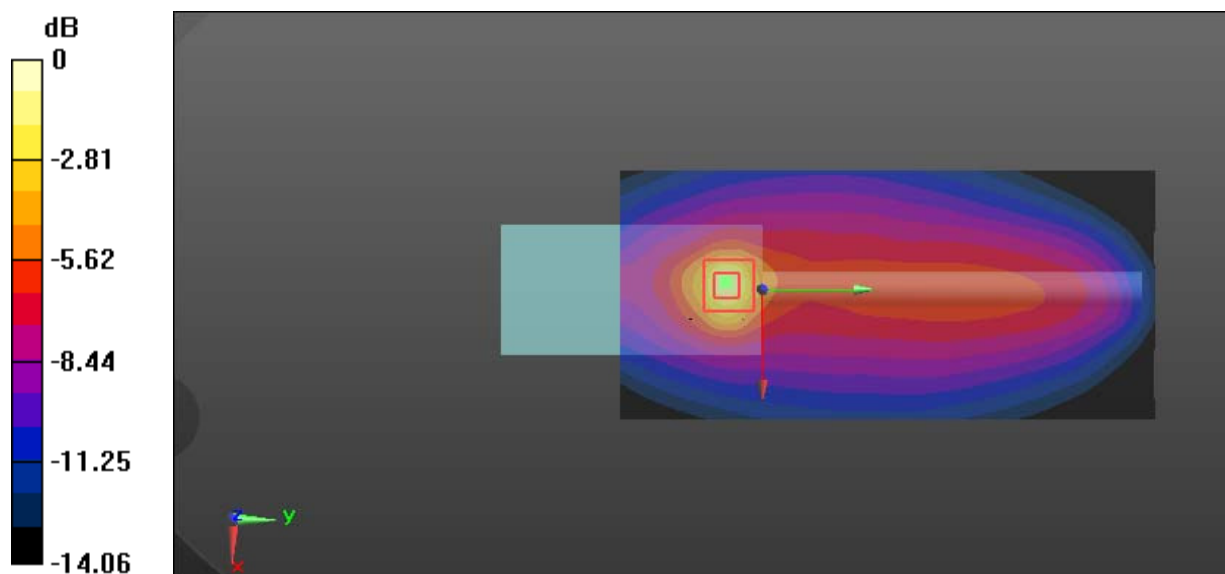
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 81.51 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 47.8 W/kg

SAR(1 g) = 10.6 W/kg; SAR(10 g) = 5.23 W/kg

Maximum value of SAR (measured) = 23.2 W/kg



0 dB = 23.2 W/kg = 13.65 dBW/kg

Test Plot 5#: PTT_FM 12.5kHz_Body Back_153 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

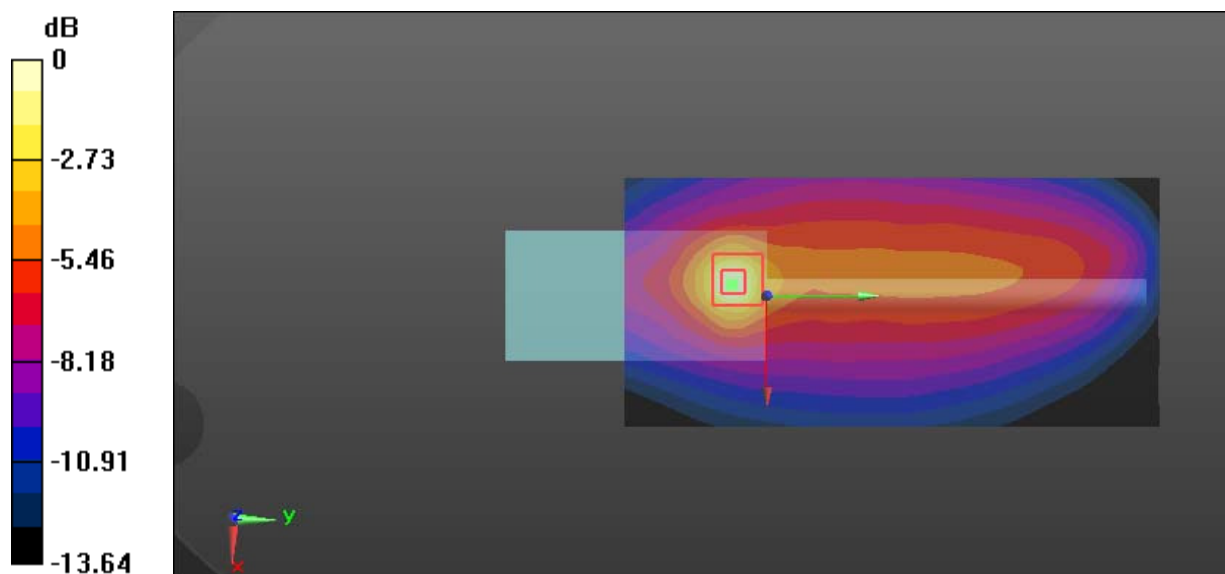
Communication System: FM; Frequency: 153 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153 \text{ MHz}$; $\sigma = 0.822 \text{ S/m}$; $\epsilon_r = 61.138$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 21.9 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 86.72 V/m ; Power Drift = -0.14 dB Peak SAR (extrapolated) = 38.1 W/kg **SAR(1 g) = 9.64 W/kg ; SAR(10 g) = 5.08 W/kg** Maximum value of SAR (measured) = 20.2 W/kg  $0 \text{ dB} = 20.2 \text{ W/kg} = 13.05 \text{ dBW/kg}$

Test Plot 16#: PTT_FM 12.5kHz_Body Back_160 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 160 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 160$ MHz; $\sigma = 0.811$ S/m; $\epsilon_r = 61.128$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- 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 (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.69 W/kg

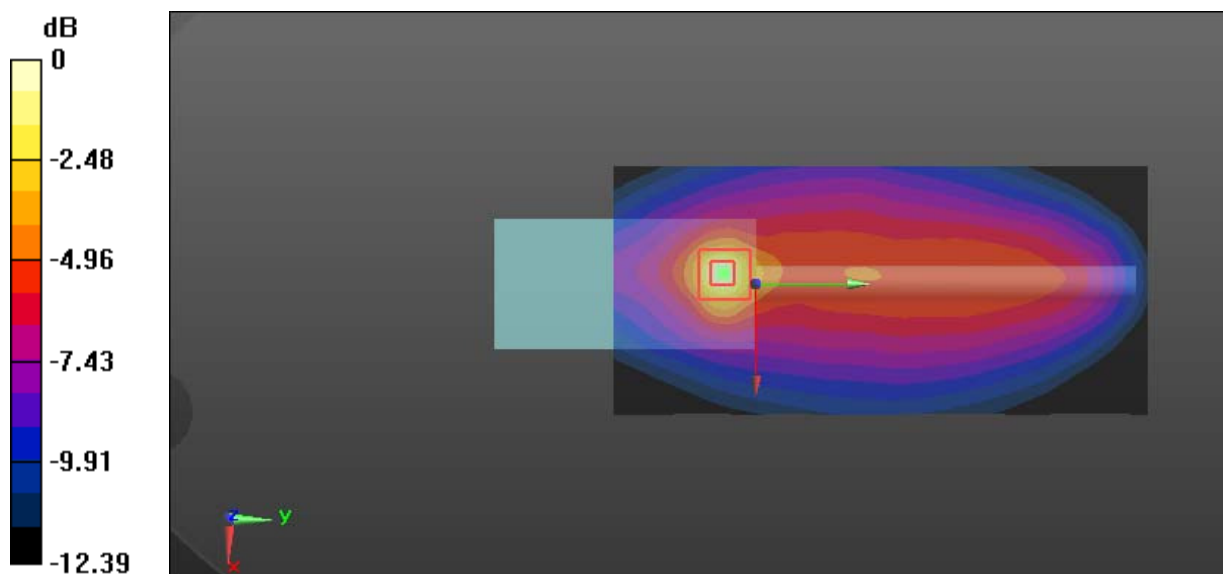
Zoom Scan (6x9x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 64.62 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 12.8 W/kg

SAR(1 g) = 7.26 W/kg; SAR(10 g) = 4.62 W/kg

Maximum value of SAR (measured) = 7.69 W/kg



0 dB = 7.69 W/kg = 8.86 dBW/kg

Test Plot 17#: PTT_FM 12.5kHz_Body Back_167 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

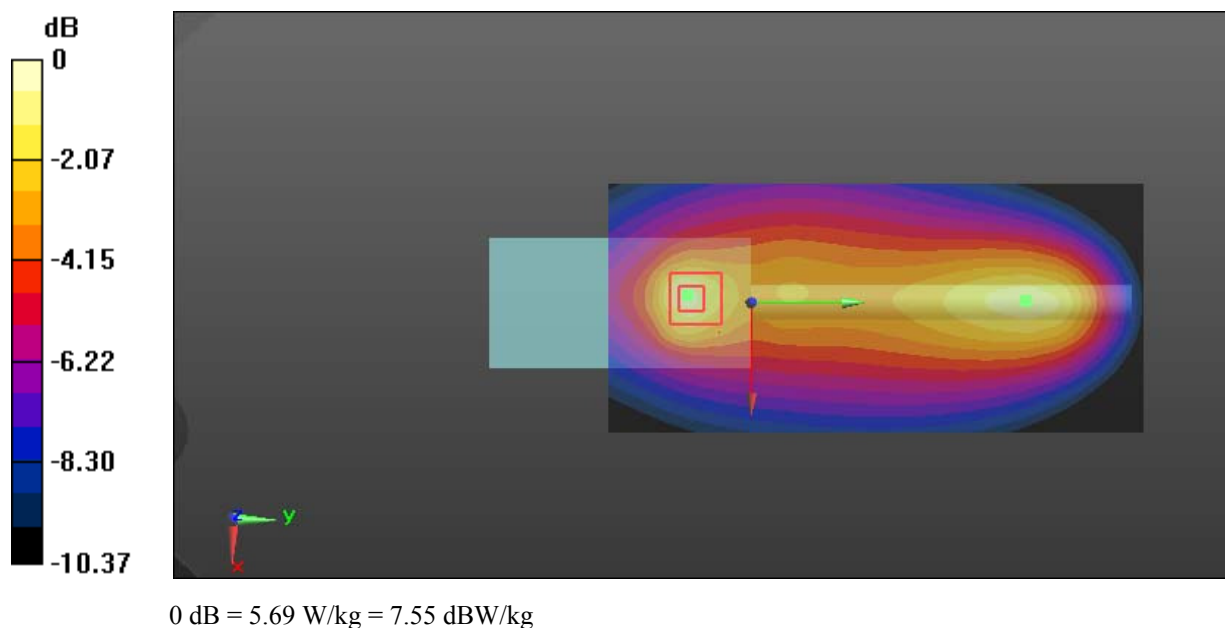
Communication System: FM; Frequency: 167 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 167 \text{ MHz}$; $\sigma = 0.825 \text{ S/m}$; $\epsilon_r = 61.043$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 5.73 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 58.04 V/m ; Power Drift = 0.03 dB Peak SAR (extrapolated) = 12.5 W/kg **SAR(1 g) = 5.22 W/kg ; SAR(10 g) = 2.87 W/kg** Maximum value of SAR (measured) = 5.69 W/kg 

Test Plot 18#: PTT_FM 12.5kHz_Body Back_173.9875 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

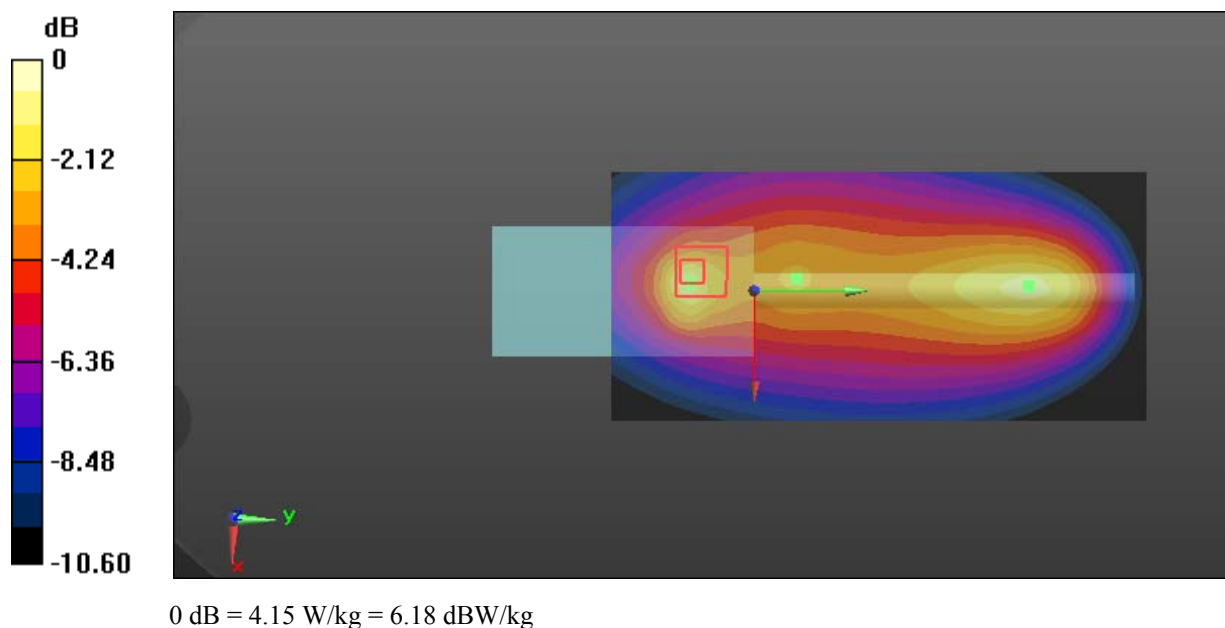
Communication System: FM; Frequency: 173.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 173.988 \text{ MHz}$; $\sigma = 0.836 \text{ S/m}$; $\epsilon_r = 60.806$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.24 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 48.53 V/m ; Power Drift = 0.08 dB Peak SAR (extrapolated) = 8.21 W/kg **SAR(1 g) = 3.84 W/kg ; SAR(10 g) = 2.31 W/kg** Maximum value of SAR (measured) = 4.15 W/kg 

Test Plot 19#: PTT_FM 25kHz_Body Back_146.0125 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 146.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 146.012$ MHz; $\sigma = 0.805$ S/m; $\epsilon_r = 61.187$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

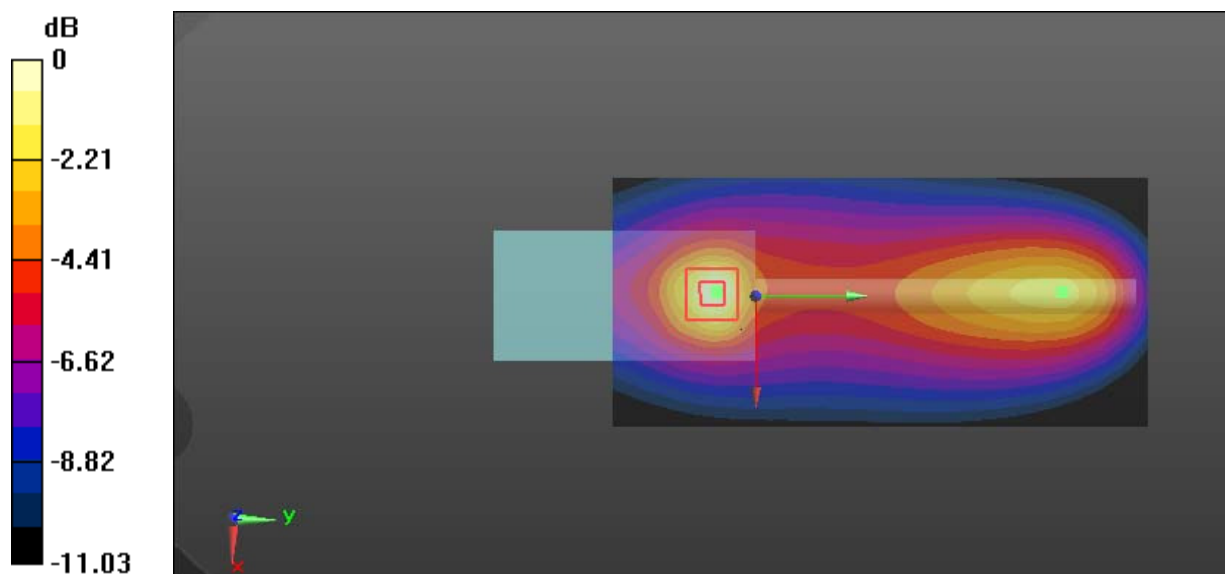
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 81.38 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 32.2 W/kg

SAR(1 g) = 11.4 W/kg; SAR(10 g) = 5.82 W/kg

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



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

Test Plot 20#: PTT_FM 25kHz_Body Back_153 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

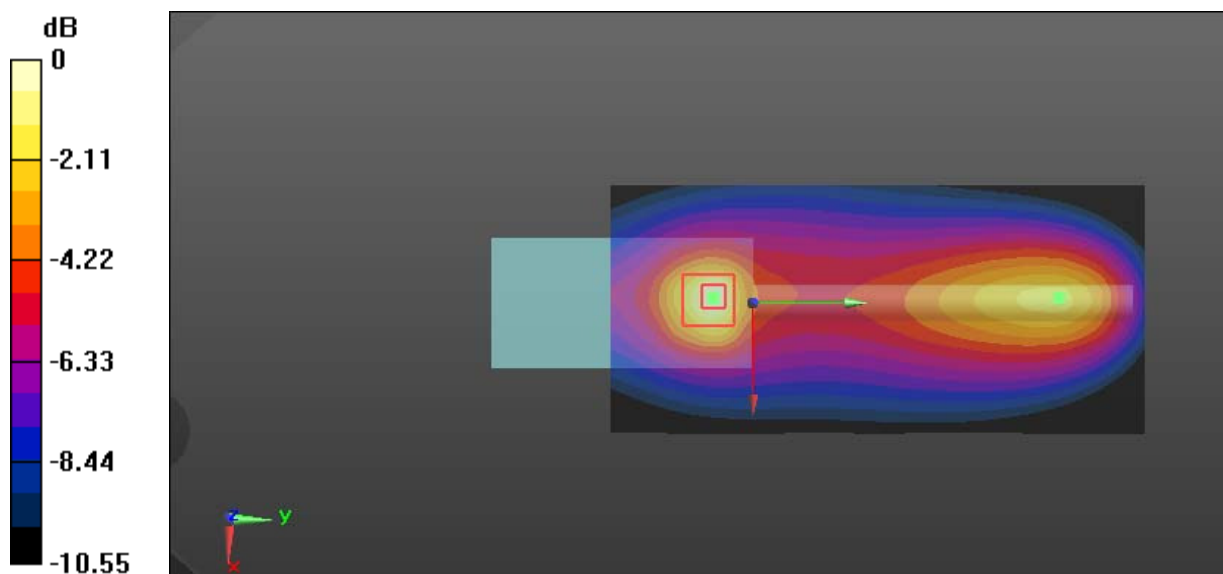
Communication System: FM; Frequency: 153 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153 \text{ MHz}$; $\sigma = 0.822 \text{ S/m}$; $\epsilon_r = 61.138$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 10.9 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 67.59 V/m ; Power Drift = -0.12 dB Peak SAR (extrapolated) = 28.4 W/kg **SAR(1 g) = 10.4 W/kg ; SAR(10 g) = 5.42 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 21#: PTT_FM 25kHz_Body Back_160 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

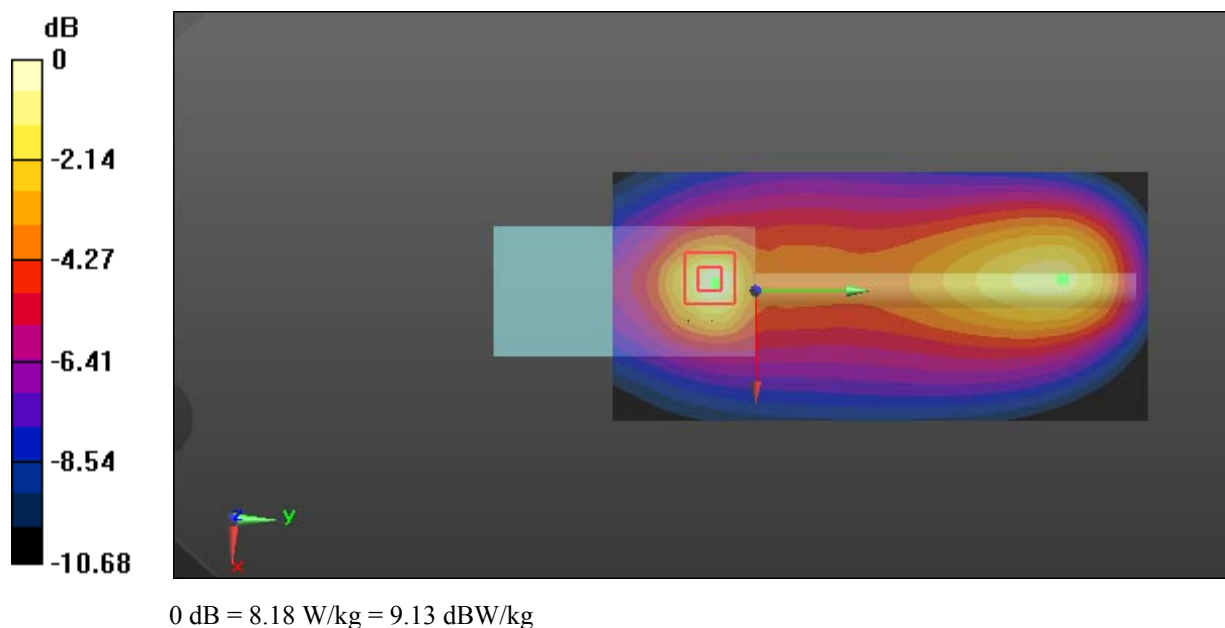
Communication System: FM; Frequency: 160 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 160 \text{ MHz}$; $\sigma = 0.811 \text{ S/m}$; $\epsilon_r = 61.128$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.10 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 71.83 V/m ; Power Drift = -0.14 dB Peak SAR (extrapolated) = 21.4 W/kg **SAR(1 g) = 7.59 W/kg ; SAR(10 g) = 3.93 W/kg** Maximum value of SAR (measured) = 8.18 W/kg 

Test Plot 22#: PTT_FM 25kHz_Body Back_167 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 167 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 167 \text{ MHz}$; $\sigma = 0.825 \text{ S/m}$; $\epsilon_r = 61.043$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 5.86 W/kg

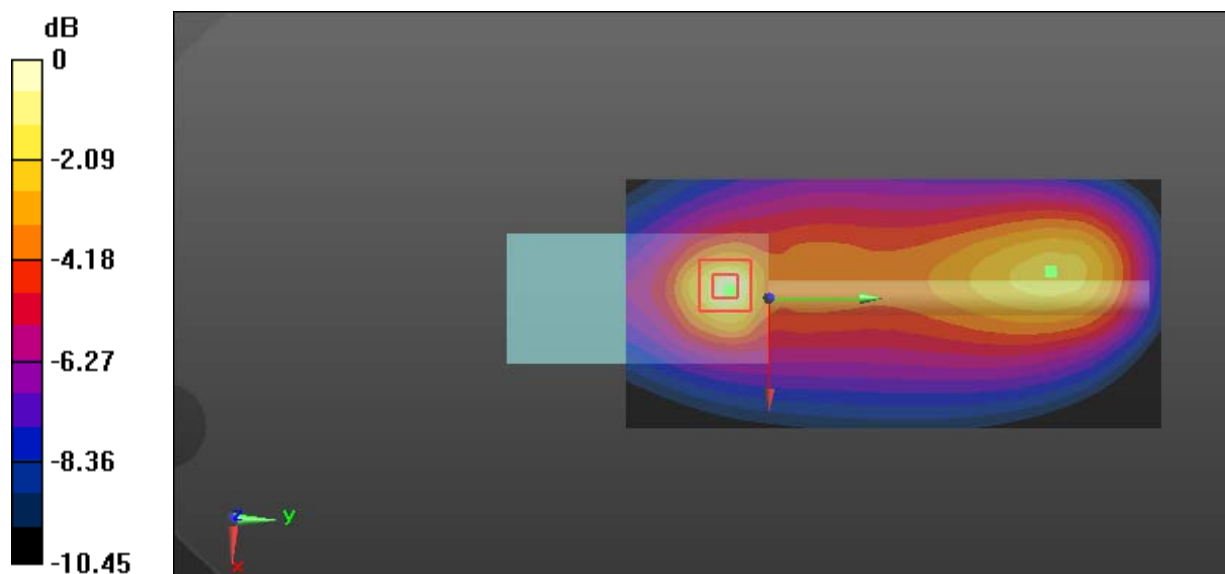
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 56.32 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 14.8 W/kg

SAR(1 g) = 5.58 W/kg; SAR(10 g) = 2.96 W/kg

Maximum value of SAR (measured) = 5.93 W/kg



0 dB = 5.93 W/kg = 7.73 dBW/kg

Test Plot 23#: PTT_FM 25kHz_Body Back_173.9875 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: FM; Frequency: 173.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 173.988$ MHz; $\sigma = 0.836$ S/m; $\epsilon_r = 60.806$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

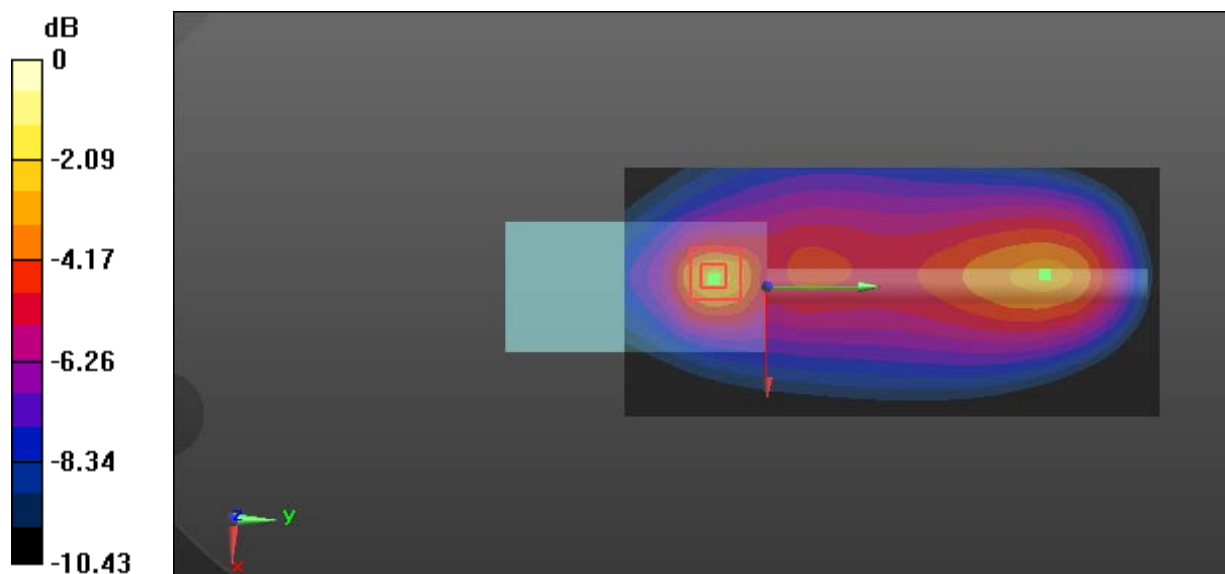
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 41.45 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 10.4 W/kg

SAR(1 g) = 4.02 W/kg; SAR(10 g) = 2.18 W/kg

Maximum value of SAR (measured) = 4.38 W/kg



0 dB = 4.38 W/kg = 6.41 dBW/kg

Test Plot 24#: PTT_4FSK 12.5kHz_Body Back_146.0125 MHz**DUT: Digital Portable Radio; Type: BD502i VHF; Serial: 17122000320**

Communication System: 4FSK; Frequency: 146.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 146.012$ MHz; $\sigma = 0.805$ S/m; $\epsilon_r = 61.187$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7329; ConvF(12.56, 12.56, 12.56); Calibrated: 2018/1/22;
- 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 (71x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

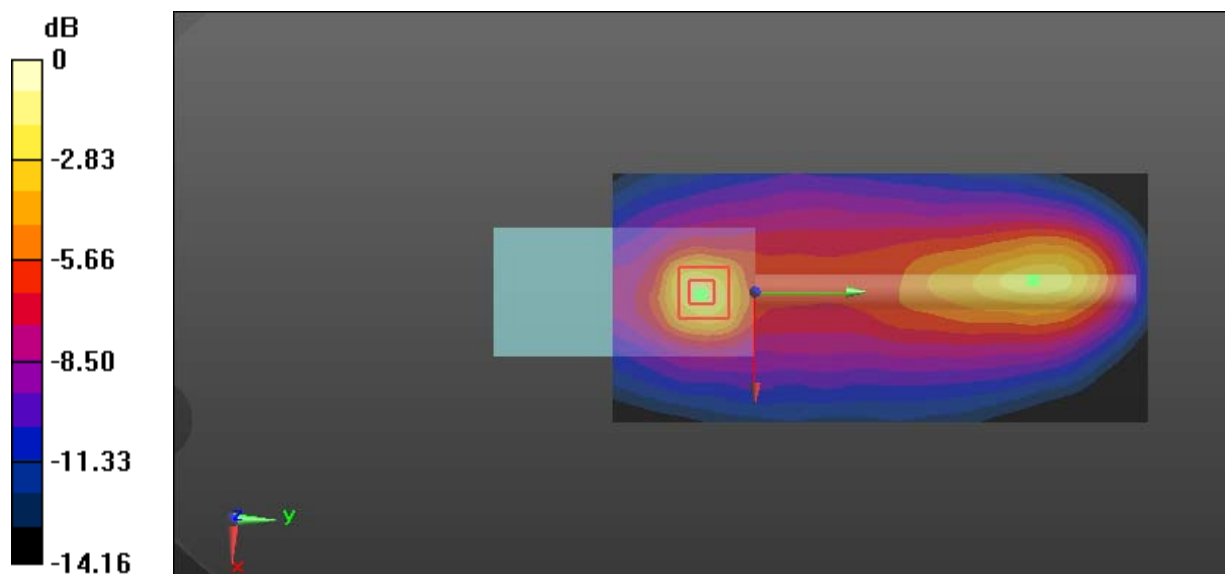
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 56.79 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 24.1 W/kg

SAR(1 g) = 6.18 W/kg; SAR(10 g) = 3.06 W/kg

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



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