**Test Plot 1#: PTT_FM_Face-Up_136.0125 MHz_ PH790L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH790L VHF; Serial: 17091500221**

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

Medium parameters used: f = 136.012 MHz; $\sigma$ = 0.761 S/m; $\varepsilon_r$ = 51.936; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(13.25, 13.25, 13.25); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

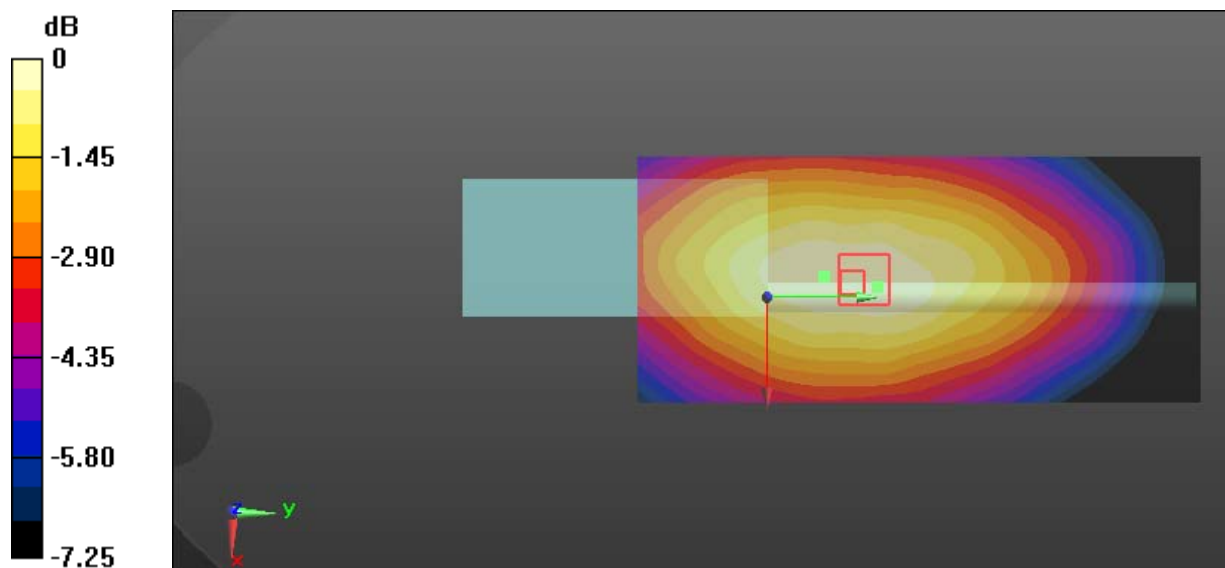Maximum value of SAR (interpolated) = 3.11 W/kg

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

Reference Value = 56.30 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 3.76 W/kg

**SAR(1 g) = 2.42 W/kg; SAR(10 g) = 1.83 W/kg**

Maximum value of SAR (measured) = 3.19 W/kg



0 dB = 3.19 W/kg = 5.04 dBW/kg

**Test Plot 2#: PTT_FM_Body Back_136.0125 MHz_ PH790L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH790L VHF; Serial: 17091500221**

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

Medium parameters used: f = 136.012 MHz; $\sigma$ = 0.796 S/m; $\varepsilon_r$ = 60.937; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
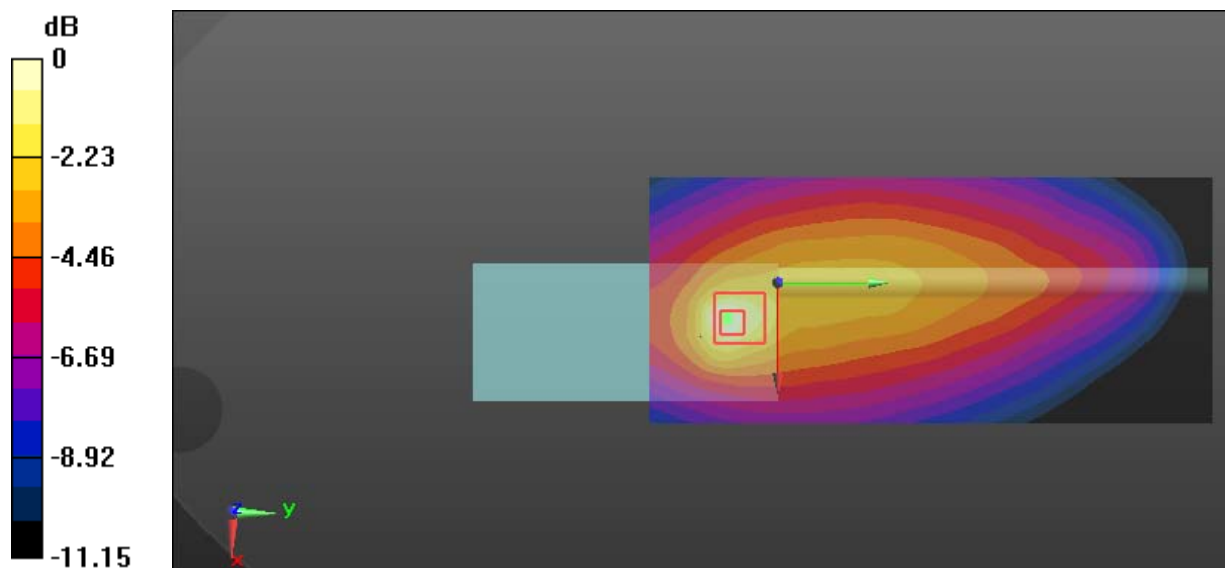
Maximum value of SAR (interpolated) = 12.4 W/kg

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

Reference Value = 82.75 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 17.3 W/kg

**SAR(1 g) = 7.3 W/kg; SAR(10 g) = 4.51 W/kg**

Maximum value of SAR (measured) = 12.2 W/kg



0 dB = 12.2 W/kg = 10.86 dBW/kg

**Test Plot 3#: PTT_FM_Body Back_143.0125 MHz_ PH790L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH790L VHF; Serial: 17091500221**

Communication System: FM; Frequency: 143.012 MHz;Duty Cycle: 1:1

Medium parameters used: f = 143.012 MHz; σ = 0.802 S/m; $ε_r$ = 60.922; ρ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

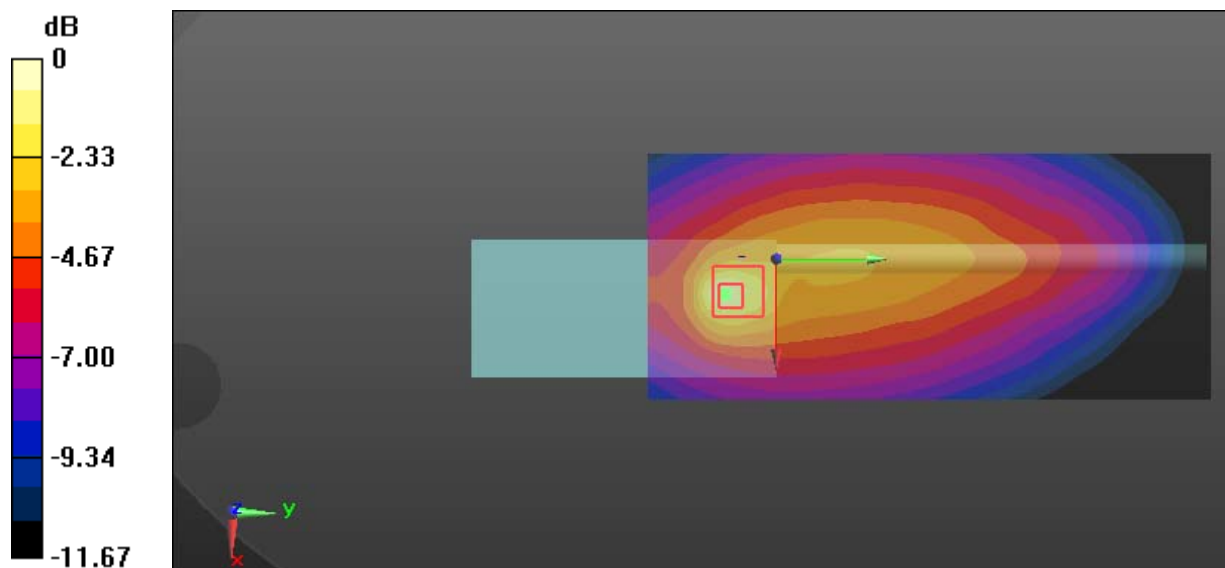Maximum value of SAR (interpolated) = 9.76 W/kg

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

Reference Value = 78.08 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 16.3 W/kg

**SAR(1 g) = 6.12 W/kg; SAR(10 g) = 3.67 W/kg**

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



0 dB = 10.9 W/kg = 10.37 dBW/kg

**Test Plot 4#: PTT_FM_Body Back_149.9875 MHz_ PH790L VHF**

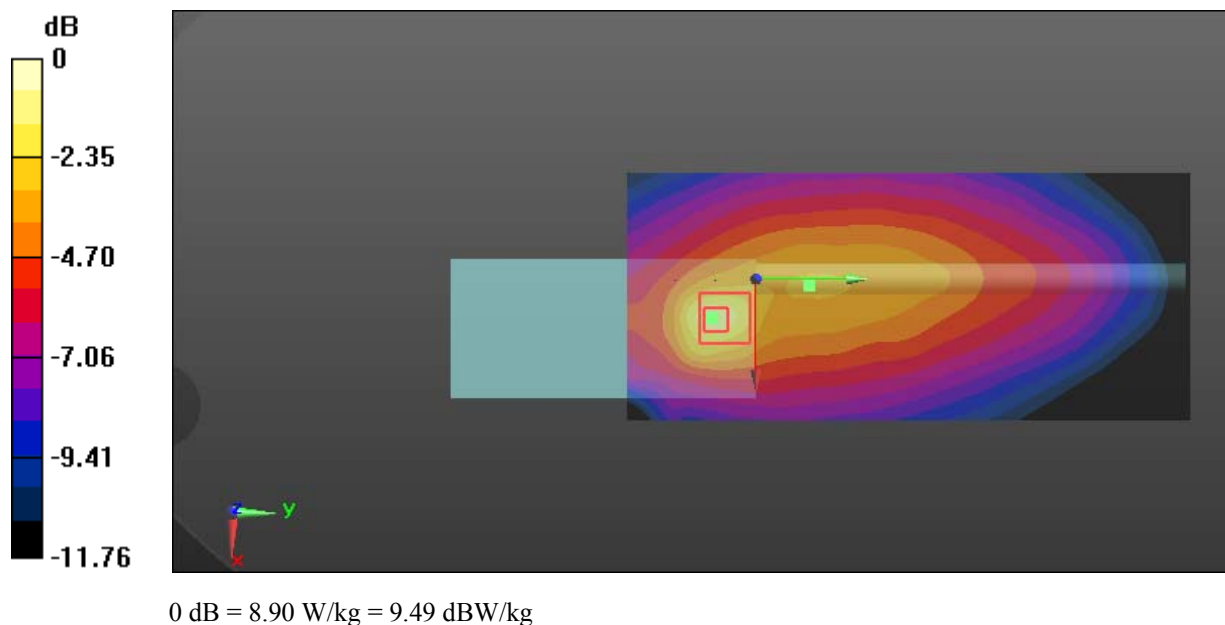**DUT: DIGITAL PORTABLE RADIO; Type: PH790L VHF; Serial: 17091500221**

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

Medium parameters used: f = 149.988 MHz; $\sigma$ = 0.819 S/m; $\varepsilon_r$ = 60.918; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.89 W/kg

**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 65.12 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 13.6 W/kg

**SAR(1 g) = 4.87 W/kg; SAR(10 g) = 2.9 W/kg**

Maximum value of SAR (measured) = 8.90 W/kg



0 dB = 8.90 W/kg = 9.49 dBW/kg

**Test Plot 5#: PTT_4FSK _Face Up_136.0125 MHz_ PH790L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH790L VHF; Serial: 17091500221**

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

Medium parameters used: f = 136.012 MHz; $\sigma$ = 0.761 S/m; $\varepsilon_r$ = 51.936; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(13.25, 13.25, 13.25); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
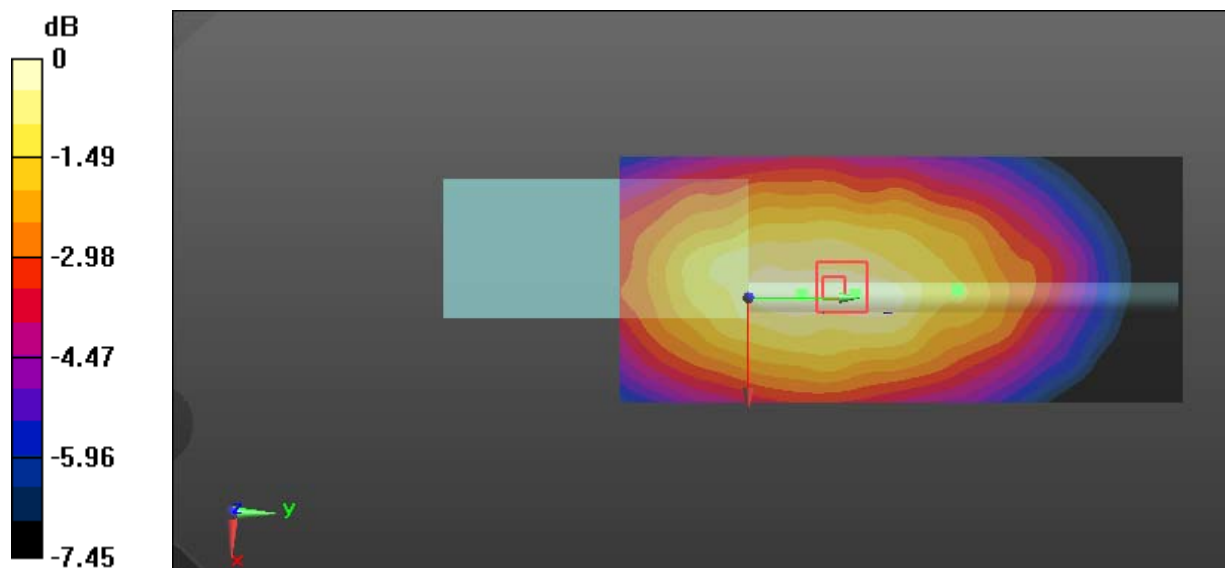
Maximum value of SAR (interpolated) = 1.44 W/kg

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

Reference Value = 35.41 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.81 W/kg

**SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.827 W/kg**

Maximum value of SAR (measured) = 1.49 W/kg



0 dB = 1.49 W/kg = 1.73 dBW/kg

**Test Plot 6#: PTT_4FSK _Body Back_136.0125 MHz_ PH790L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH790L VHF; Serial: 17091500221**

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

Medium parameters used: f = 136.012 MHz; $\sigma$ = 0.796 S/m; $\varepsilon_r$ = 60.937; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

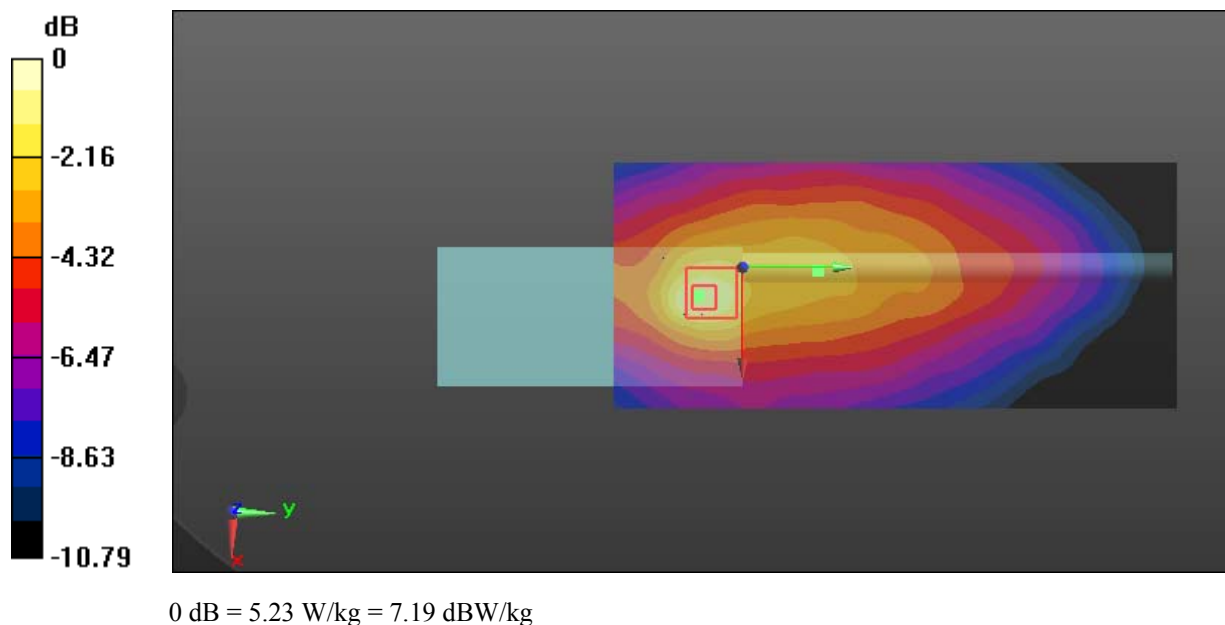Maximum value of SAR (interpolated) = 4.52 W/kg

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

Reference Value = 59.77 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 7.30 W/kg

**SAR(1 g) = 3.14 W/kg; SAR(10 g) = 2.01 W/kg**

Maximum value of SAR (measured) = 5.23 W/kg



0 dB = 5.23 W/kg = 7.19 dBW/kg

**Test Plot 7#: PTT_FM_Face-Up_136.0125 MHz_ PH700L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH700L VHF; Serial: 17091500222**

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

Medium parameters used: f = 136.012 MHz; σ = 0.761 S/m; $\varepsilon_r$ = 51.936; ρ = 1000 kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(13.25, 13.25, 13.25); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

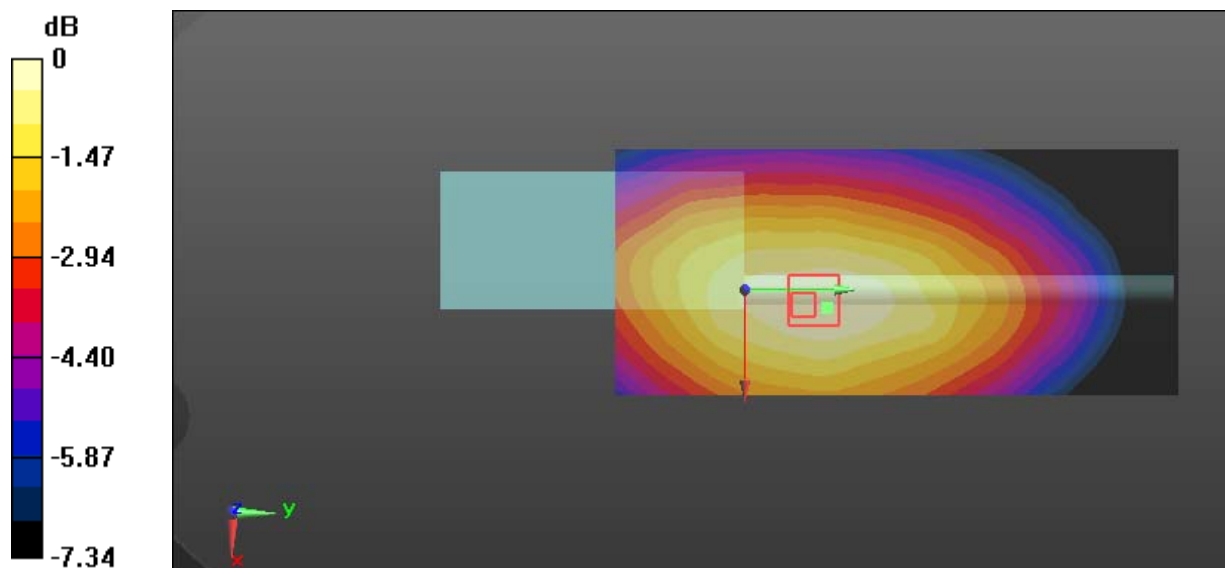Maximum value of SAR (interpolated) = 2.85 W/kg

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

Reference Value = 50.15 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 3.42 W/kg

**SAR(1 g) = 2.18 W/kg; SAR(10 g) = 1.64 W/kg**

Maximum value of SAR (measured) = 2.89 W/kg



0 dB = 2.89 W/kg = 4.61 dBW/kg

**Test Plot 8#: PTT_FM_Body Back_136.0125 MHz_ PH700L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH700L VHF; Serial: 17091500222**

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

Medium parameters used: f = 136.012 MHz; $\sigma$ = 0.796 S/m; $\varepsilon_r$ = 60.937; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
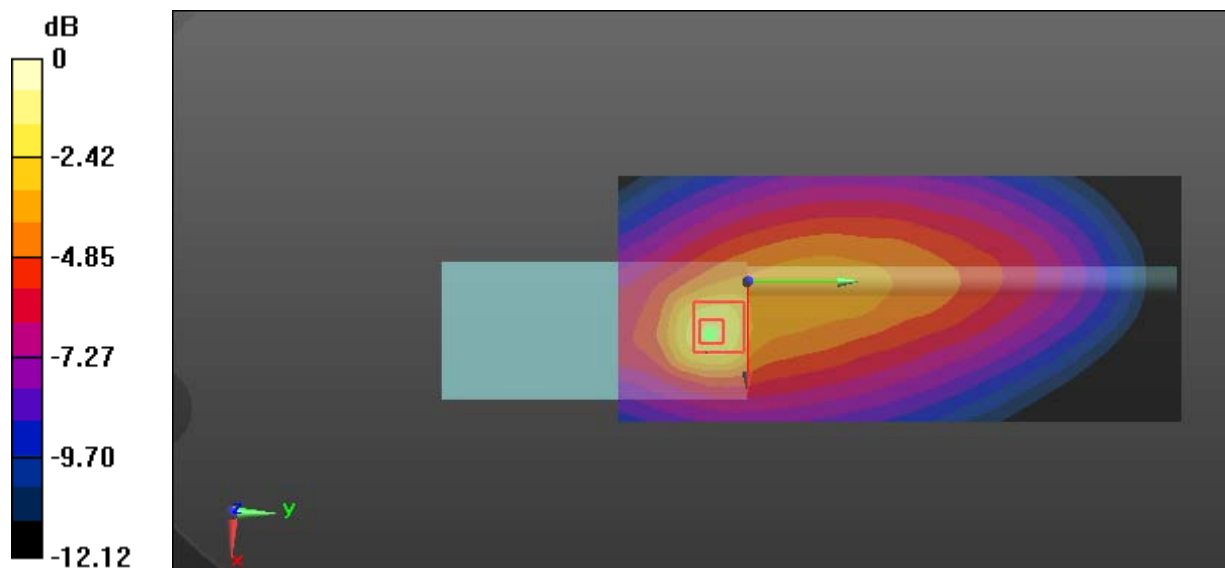
Maximum value of SAR (interpolated) = 9.64 W/kg

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

Reference Value = 68.63 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 20.2 W/kg

**SAR(1 g) = 6.94 W/kg; SAR(10 g) = 4.12 W/kg**

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



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

**Test Plot 9#: PTT_4FSK _Face Up_136.0125 MHz_ PH700L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH700L VHF; Serial: 17091500222**

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

Medium parameters used: $f$ = 136.012 MHz; $\sigma$ = 0.761 S/m; $\varepsilon_r$ = 51.936; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(13.25, 13.25, 13.25); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
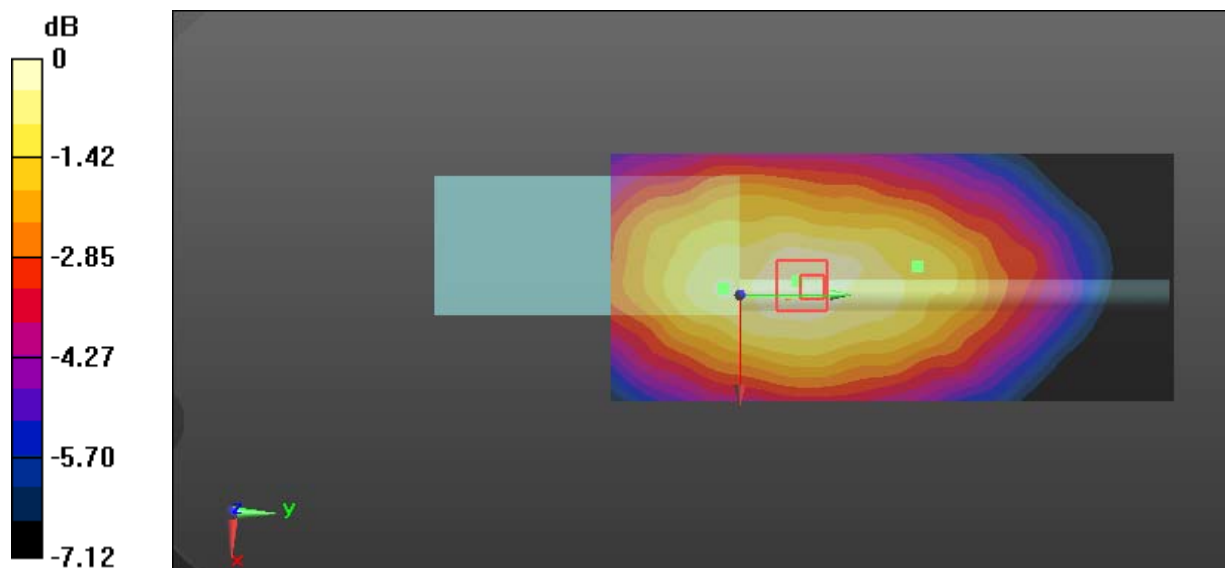
Maximum value of SAR (interpolated) = 1.48 W/kg

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

Reference Value = 34.84 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.75 W/kg

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.827 W/kg**

Maximum value of SAR (measured) = 1.46 W/kg



0 dB = 1.46 W/kg = 1.64 dBW/kg

**Test Plot 10#: PTT_4FSK _Body Back_136.0125 MHz_ PH700L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH700L VHF; Serial: 17091500222**

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

Medium parameters used: f = 136.012 MHz; $\sigma$ = 0.796 S/m; $\varepsilon_r$ = 60.937; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

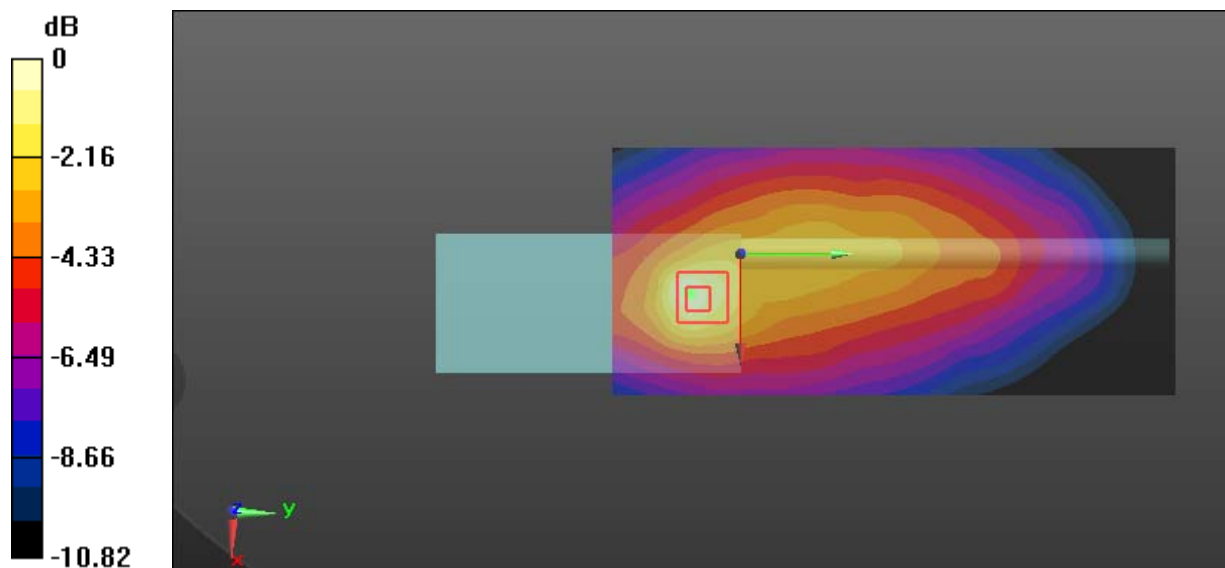Maximum value of SAR (interpolated) = 4.99 W/kg

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

Reference Value = 54.47 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 7.92 W/kg

**SAR(1 g) = 3.25 W/kg; SAR(10 g) = 2.02 W/kg**

Maximum value of SAR (measured) = 5.07 W/kg



0 dB = 5.07 W/kg = 7.05 dBW/kg

**Test Plot 11#: PTT_FM_Face Up_156.0125 MHz_ PH790L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH790L VHF; Serial: 17091500221**

Communication System: FM; Frequency: 156.012 MHz;Duty Cycle: 1:1

Medium parameters used: f = 156.012 MHz; $\sigma$ = 0.788 S/m; $\varepsilon_r$ = 51.892; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(13.25, 13.25, 13.25); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
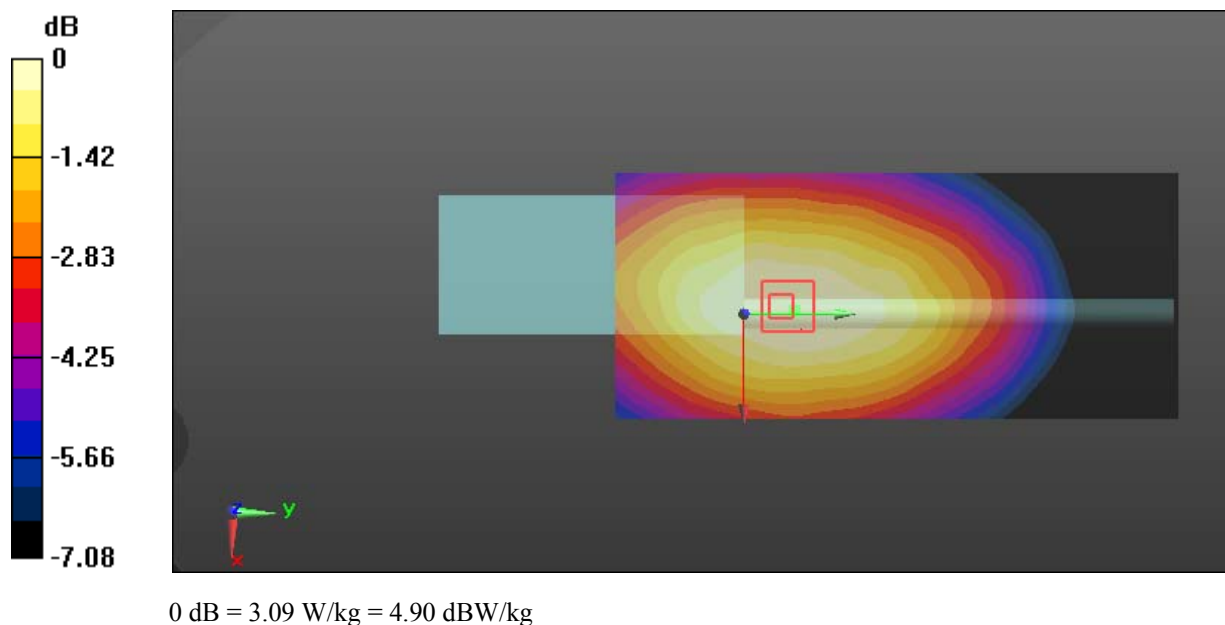
Maximum value of SAR (interpolated) = 3.24 W/kg

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

Reference Value = 54.16 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.63 W/kg

**SAR(1 g) = 2.37 W/kg; SAR(10 g) = 1.8 W/kg**

Maximum value of SAR (measured) = 3.09 W/kg



0 dB = 3.09 W/kg = 4.90 dBW/kg

**Test Plot 12#: PTT_FM_Body Back_156.0125 MHz_ PH790L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH790L VHF; Serial: 17091500221**

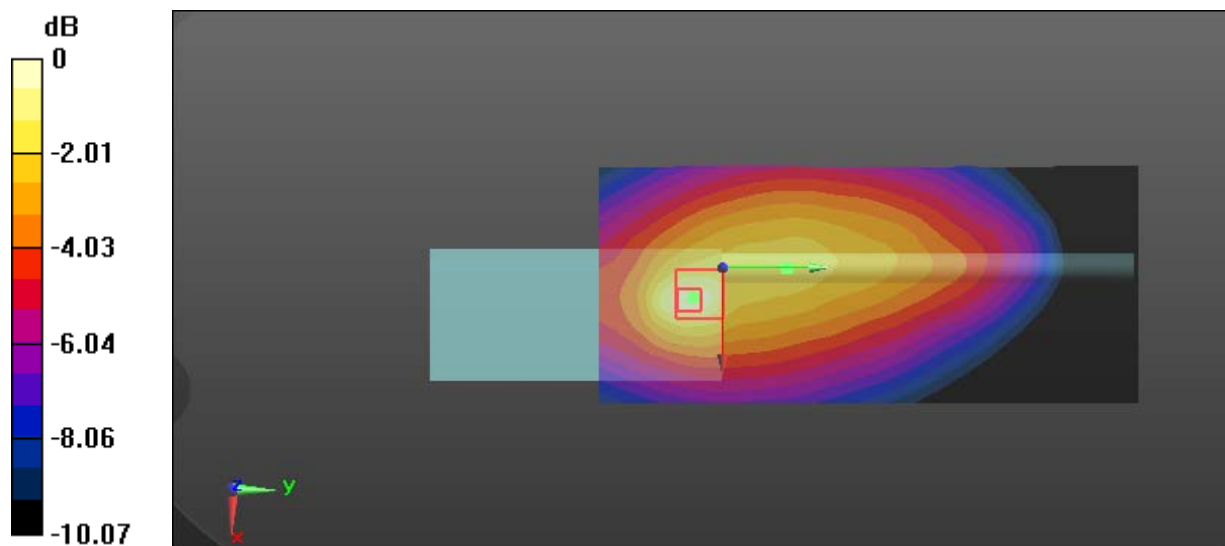Communication System: FM; Frequency: 156.012 MHz;Duty Cycle: 1:1

Medium parameters used: f = 156.012 MHz; σ = 0.83 S/m; $ε_r$ = 60.906; ρ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.16 W/kg

**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 82.35 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 14 W/kg

**SAR(1 g) = 6.43 W/kg; SAR(10 g) = 4.23 W/kg**

Maximum value of SAR (measured) = 9.92 W/kg



0 dB = 9.92 W/kg = 9.97 dBW/kg

**Test Plot 13#: PTT_4FSK_Face Up_156.0125 MHz_ PH790L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH790L VHF; Serial: 17091500221**

Communication System: 4FSK; Frequency: 156.012 MHz;Duty Cycle: 1:2

Medium parameters used: f = 156.012 MHz; $\sigma$ = 0.788 S/m; $\varepsilon_r$ = 51.892; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(13.25, 13.25, 13.25); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

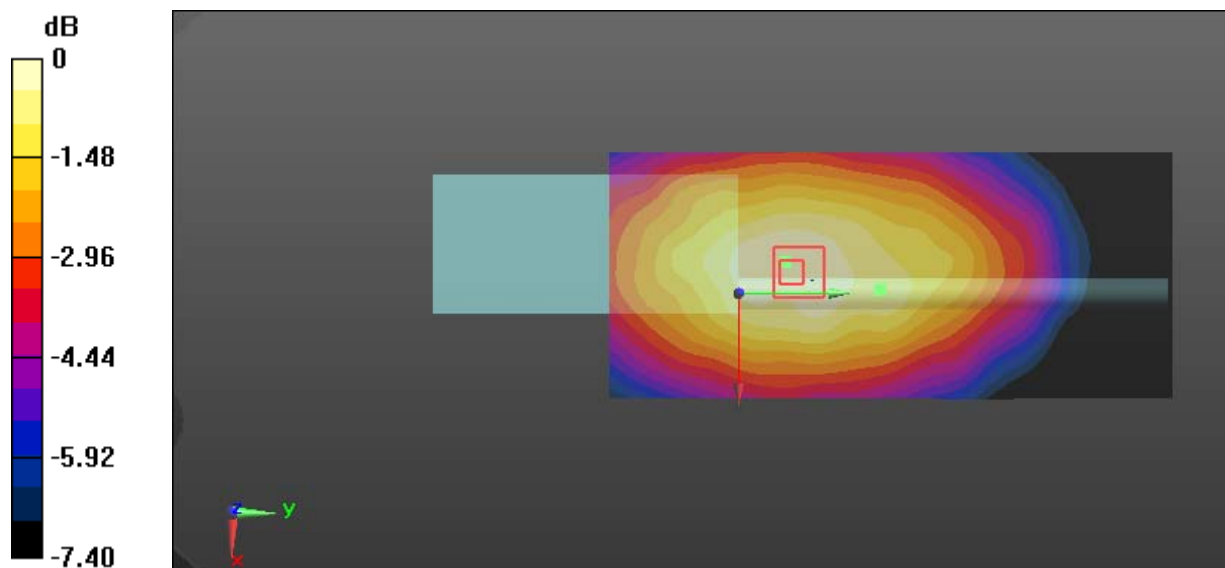Maximum value of SAR (interpolated) = 1.67 W/kg

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

Reference Value = 35.53 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.03 W/kg

**SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.947 W/kg**

Maximum value of SAR (measured) = 1.66 W/kg



0 dB = 1.66 W/kg = 2.20 dBW/kg

**Test Plot 14#: PTT_4FSK_Body Back_156.0125 MHz_ PH790L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH790L VHF; Serial: 17091500221**

Communication System: 4FSK; Frequency: 156.012 MHz;Duty Cycle: 1:2
Medium parameters used: f = 156.012 MHz; $\sigma$ = 0.83 S/m; $\varepsilon_r$ = 60.906; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
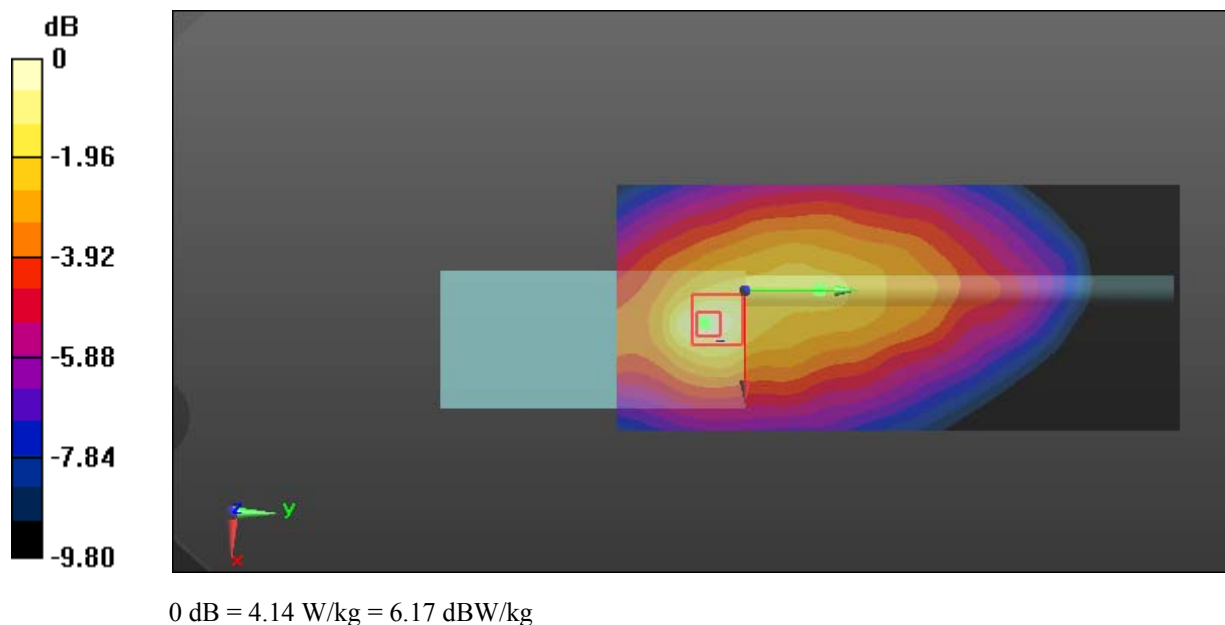Maximum value of SAR (interpolated) = 3.80 W/kg

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 51.21 V/m; Power Drift = 0.06 dB
Peak SAR (extrapolated) = 5.67 W/kg
**SAR(1 g) = 2.73 W/kg; SAR(10 g) = 1.82 W/kg**
Maximum value of SAR (measured) = 4.14 W/kg



0 dB = 4.14 W/kg = 6.17 dBW/kg

**Test Plot 15#: PTT_FM_Face Up_156.0125 MHz_ PH700L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH700L VHF; Serial: 17091500222**

Communication System: FM; Frequency: 156.012 MHz;Duty Cycle: 1:1

Medium parameters used: f = 156.012 MHz; $\sigma$ = 0.788 S/m; $\varepsilon_r$ = 51.892; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(13.25, 13.25, 13.25); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
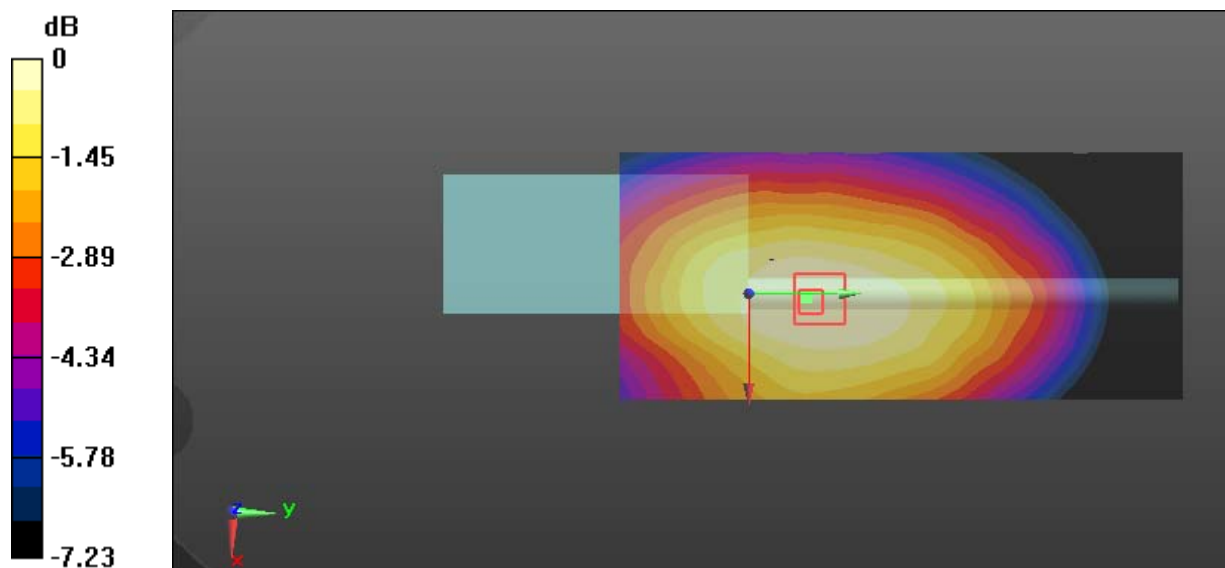
Maximum value of SAR (interpolated) = 3.17 W/kg

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

Reference Value = 57.89 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 3.65 W/kg

**SAR(1 g) = 2.34 W/kg; SAR(10 g) = 1.78 W/kg**

Maximum value of SAR (measured) = 3.09 W/kg



0 dB = 3.09 W/kg = 4.90 dBW/kg

**Test Plot 16#: PTT_FM_Body Back_156.0125 MHz_ PH700L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH700L VHF; Serial: 17091500222**

Communication System: FM; Frequency: 156.012 MHz;Duty Cycle: 1:1

Medium parameters used: f = 156.012 MHz; σ = 0.83 S/m; $ε_r$ = 60.906; ρ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
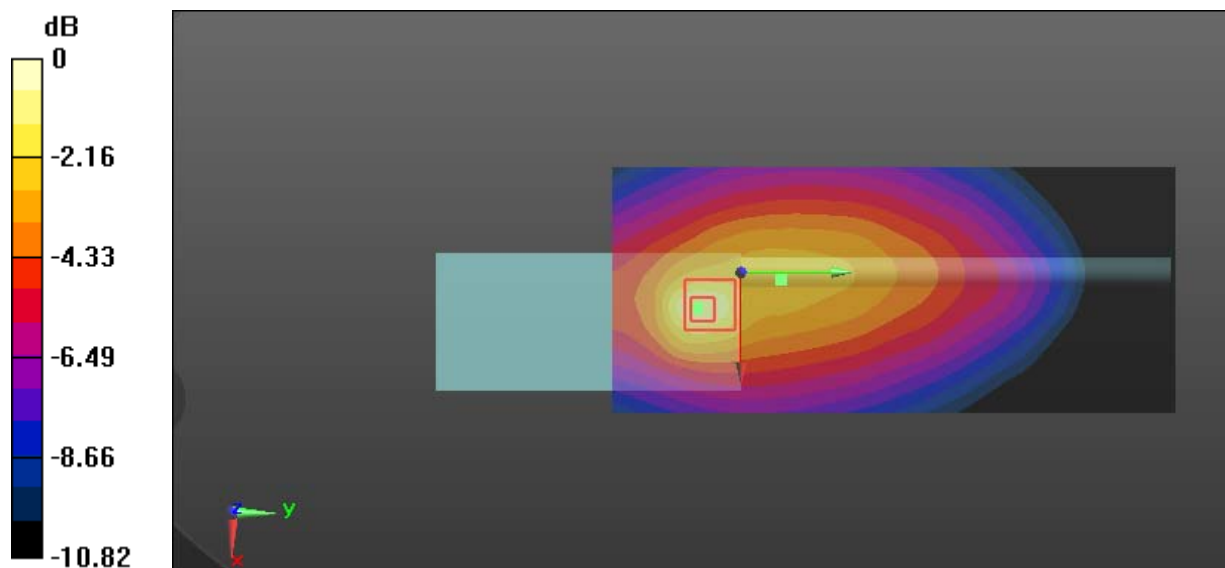
Maximum value of SAR (interpolated) = 8.15 W/kg

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

Reference Value = 71.61 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 13.7 W/kg

**SAR(1 g) = 5.82 W/kg; SAR(10 g) = 3.71 W/kg**

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



0 dB = 9.81 W/kg = 9.92 dBW/kg

**Test Plot 17#: PTT_4FSK_Face Up_156.0125 MHz_ PH700L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH700L VHF; Serial: 17091500222**

Communication System: 4FSK; Frequency: 156.012 MHz;Duty Cycle: 1:2

Medium parameters used: f = 156.012 MHz; $\sigma$ = 0.788 S/m; $\varepsilon_r$ = 51.892; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(13.25, 13.25, 13.25); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
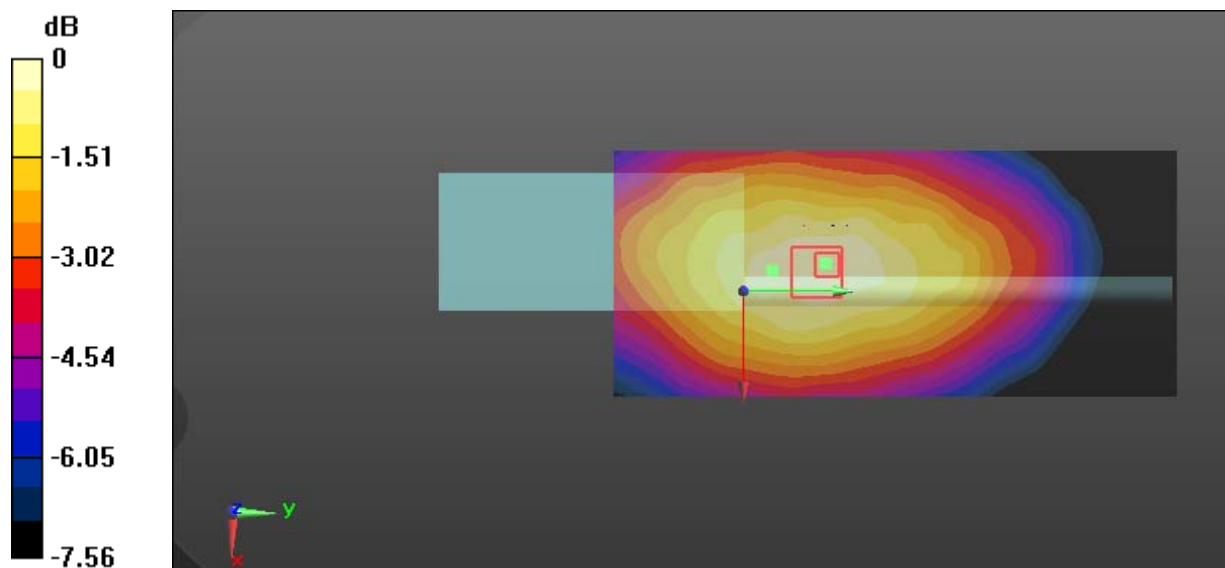
Maximum value of SAR (interpolated) = 1.61 W/kg

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

Reference Value = 36.84 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.94 W/kg

**SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.897 W/kg**

Maximum value of SAR (measured) = 1.62 W/kg



0 dB = 1.62 W/kg = 2.10 dBW/kg

**Test Plot 18#: PTT_4FSK_Body Back_156.0125 MHz_ PH700L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH700L VHF; Serial: 17091500222**

Communication System: 4FSK; Frequency: 156.012 MHz;Duty Cycle: 1:2

Medium parameters used: f = 156.012 MHz; $\sigma$ = 0.83 S/m; $\varepsilon_r$ = 60.906; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
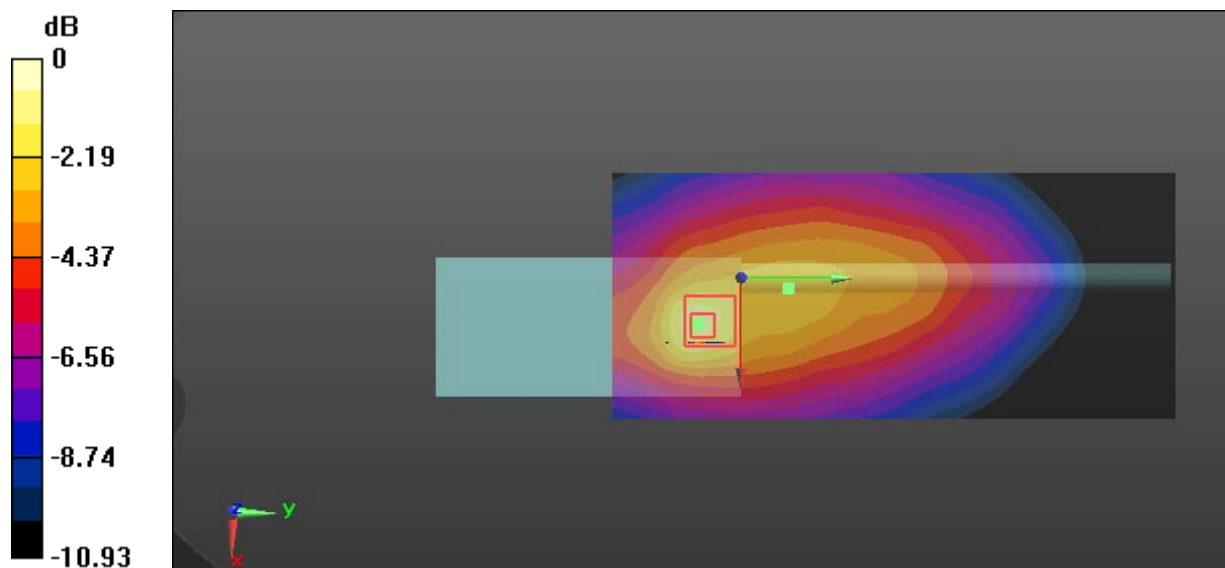
Maximum value of SAR (interpolated) = 3.88 W/kg

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

Reference Value = 50.04 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 6.79 W/kg

**SAR(1 g) = 2.99 W/kg; SAR(10 g) = 1.89 W/kg**

Maximum value of SAR (measured) = 4.93 W/kg



0 dB = 4.93 W/kg = 6.93 dBW/kg

**Test Plot 19#: PTT_FM_Face Up_162.0125 MHz_ PH790L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH790L VHF; Serial: 17091500221**

Communication System: FM; Frequency: 162.012 MHz;Duty Cycle: 1:1

Medium parameters used: f = 162.012 MHz; $\sigma$ = 0.799 S/m; $\varepsilon_r$ = 51.88; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(13.25, 13.25, 13.25); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
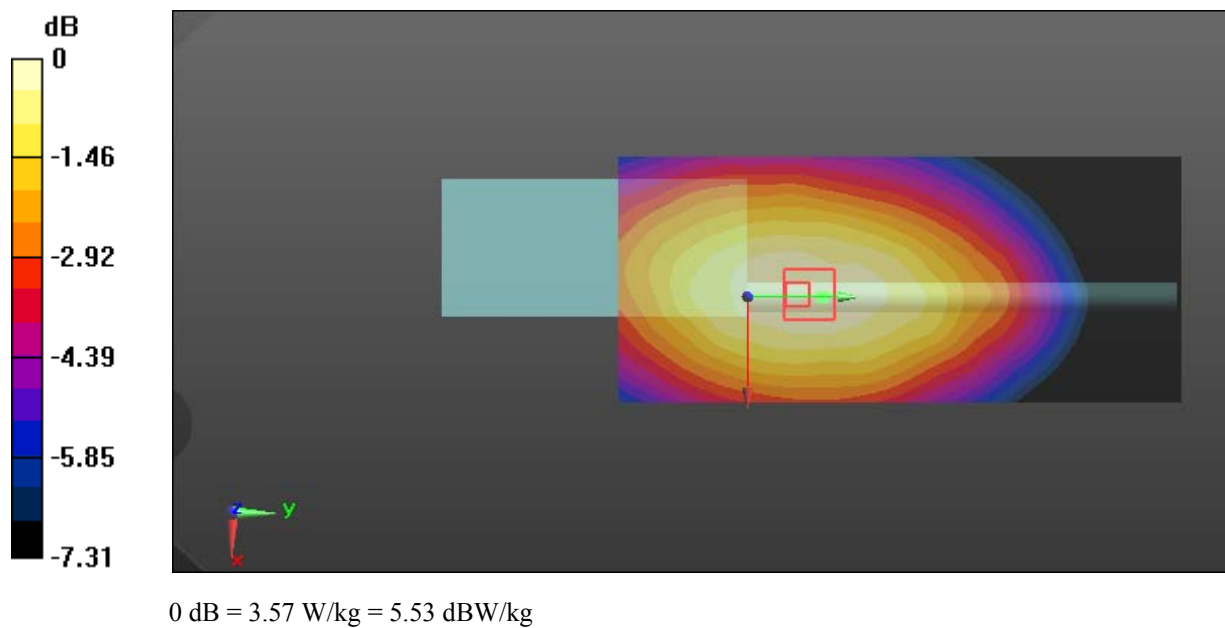
Maximum value of SAR (interpolated) = 3.58 W/kg

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

Reference Value = 56.17 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 4.23 W/kg

**SAR(1 g) = 2.68 W/kg; SAR(10 g) = 2.03 W/kg**

Maximum value of SAR (measured) = 3.57 W/kg



0 dB = 3.57 W/kg = 5.53 dBW/kg

**Test Plot 20#: PTT_FM_Body Back_162.0125 MHz_ PH790L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH790L VHF; Serial: 17091500221**

Communication System: FM; Frequency: 162.012 MHz;Duty Cycle: 1:1

Medium parameters used: f = 162.012 MHz; $\sigma$ = 0.842 S/m; $\varepsilon_r$ = 60.884; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
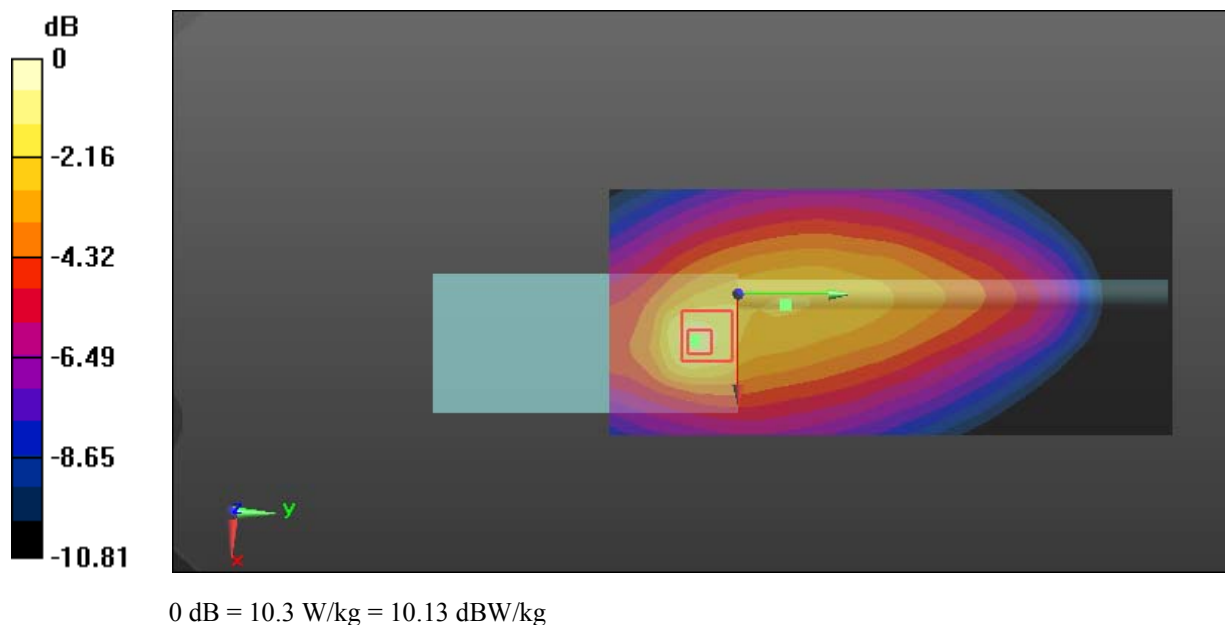
Maximum value of SAR (interpolated) = 8.08 W/kg

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

Reference Value = 76.10 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 14.2 W/kg

**SAR(1 g) = 6.06 W/kg; SAR(10 g) = 3.88 W/kg**

Maximum value of SAR (measured) = 10.3 W/kg



0 dB = 10.3 W/kg = 10.13 dBW/kg

**Test Plot 21#: PTT_4FSK_Face Up_162.0125 MHz_ PH790L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH790L VHF; Serial: 17091500221**

Communication System: 4FSK; Frequency: 162.012 MHz;Duty Cycle: 1:2

Medium parameters used: f = 162.012 MHz; $\sigma$ = 0.799 S/m; $\varepsilon_r$ = 51.88; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(13.25, 13.25, 13.25); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
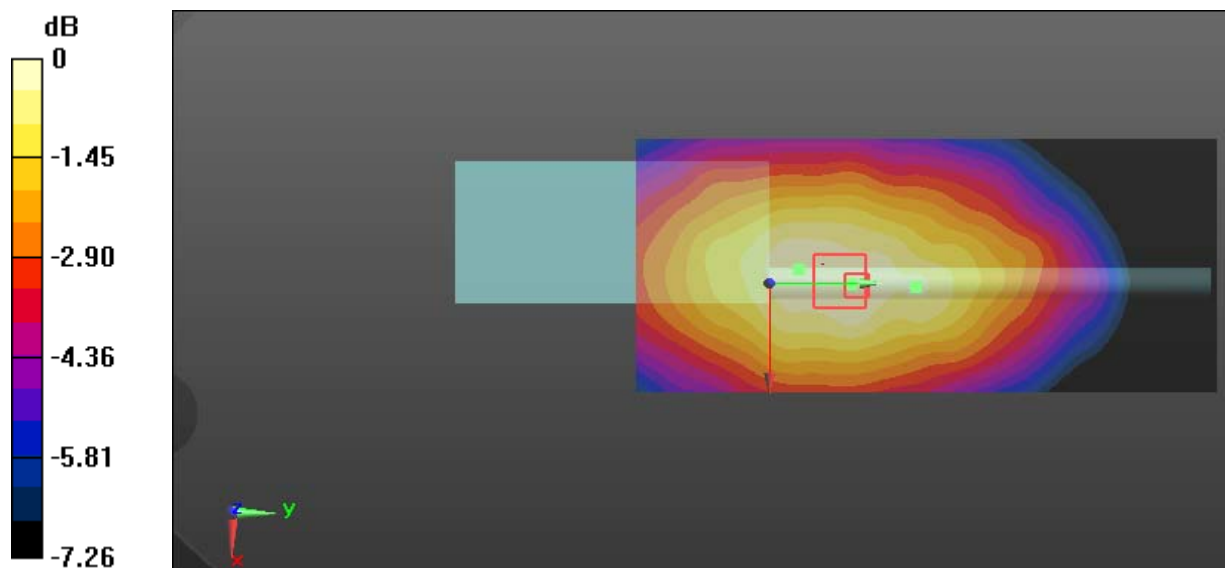
Maximum value of SAR (interpolated) = 1.88 W/kg

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

Reference Value = 39.34 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.15 W/kg

**SAR(1 g) = 1.36 W/kg; SAR(10 g) = 1.02 W/kg**

Maximum value of SAR (measured) = 1.81 W/kg



0 dB = 1.81 W/kg = 2.58 dBW/kg

**Test Plot 22#: PTT_4FSK_Body Back_162.0125 MHz_ PH790L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH790L VHF; Serial: 17091500221**

Communication System: 4FSK; Frequency: 162.012 MHz;Duty Cycle: 1:2

Medium parameters used: f = 162.012 MHz; σ = 0.842 S/m; $\varepsilon_r$ = 60.884; ρ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

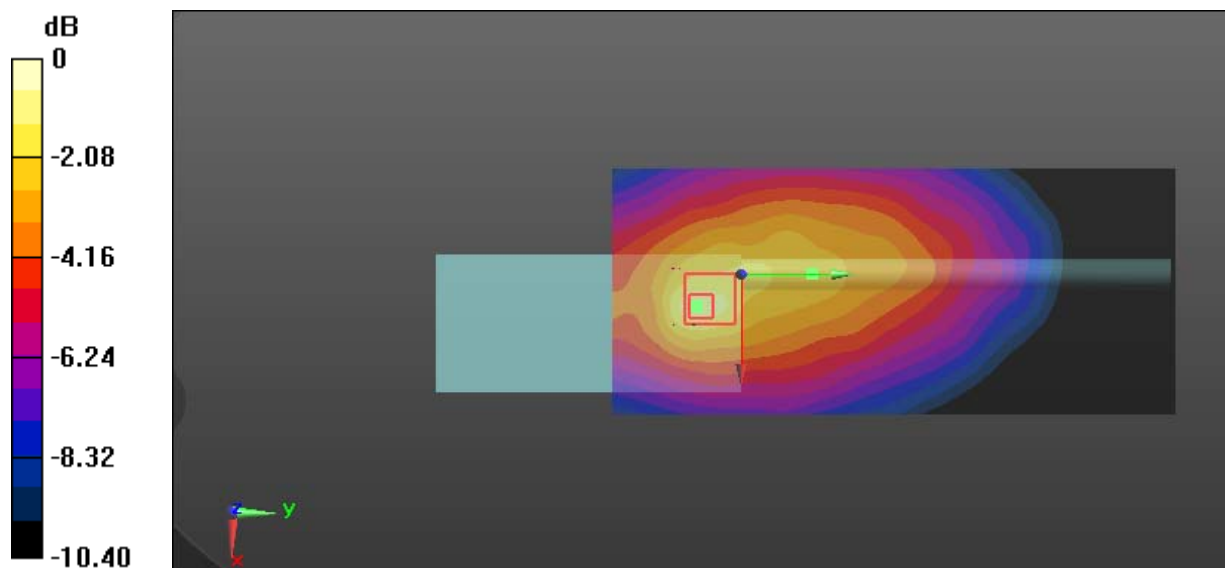Maximum value of SAR (interpolated) = 3.39 W/kg

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

Reference Value = 50.20 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 5.69 W/kg

**SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.67 W/kg**

Maximum value of SAR (measured) = 4.23 W/kg



0 dB = 4.23 W/kg = 6.26 dBW/kg

**Test Plot 23#: PTT_FM_Face Up_162.0125 MHz_ PH700L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH700L VHF; Serial: 17091500222**

Communication System: FM; Frequency: 162.012 MHz;Duty Cycle: 1:1

Medium parameters used: f = 162.012 MHz; $\sigma$ = 0.799 S/m; $\varepsilon_r$ = 51.88; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(13.25, 13.25, 13.25); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.07 W/kg

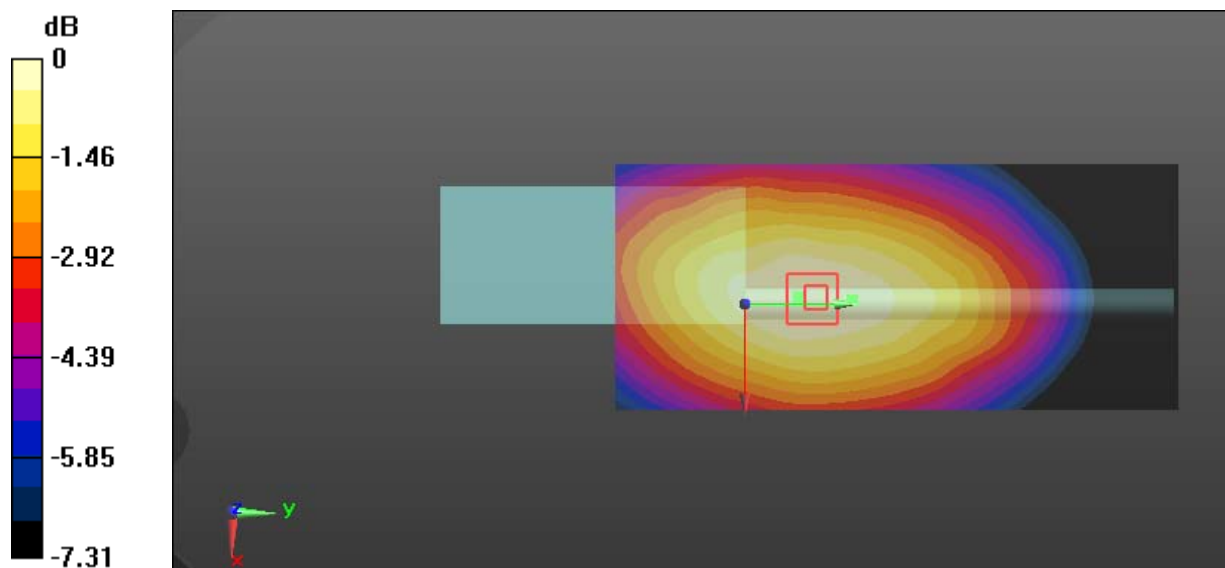**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 51.56 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.63 W/kg

**SAR(1 g) = 2.32 W/kg; SAR(10 g) = 1.74 W/kg**

Maximum value of SAR (measured) = 3.07 W/kg



0 dB = 3.07 W/kg = 4.87 dBW/kg

**Test Plot 24#: PTT_FM_Body Back_162.0125 MHz_ PH700L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH700L VHF; Serial: 17091500222**

Communication System: FM; Frequency: 162.012 MHz;Duty Cycle: 1:1

Medium parameters used: f = 162.012 MHz; $\sigma$ = 0.842 S/m; $\varepsilon_r$ = 60.884; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
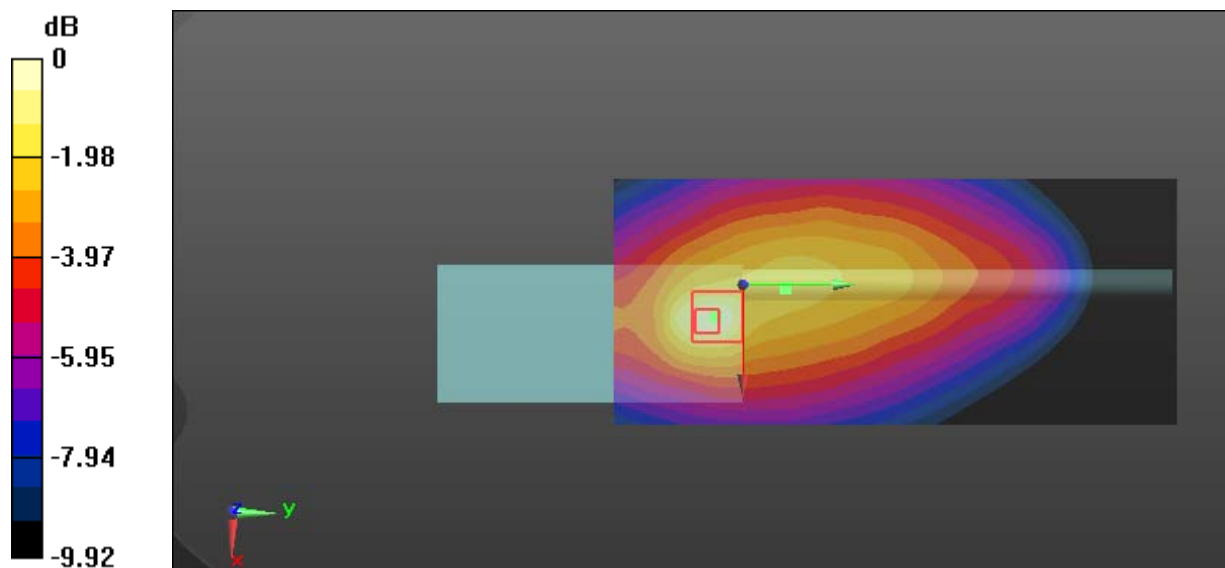
Maximum value of SAR (interpolated) = 7.97 W/kg

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

Reference Value = 73.48 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 11.8 W/kg

**SAR(1 g) = 5.36 W/kg; SAR(10 g) = 3.49 W/kg**

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



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

**Test Plot 25#: PTT_4FSK_Face Up_162.0125 MHz_ PH700L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH700L VHF; Serial: 17091500222**

Communication System: 4FSK; Frequency: 162.012 MHz;Duty Cycle: 1:2

Medium parameters used: f = 162.012 MHz; $\sigma$ = 0.799 S/m; $\varepsilon_r$ = 51.88; $\rho$ = 1000 kg/m$^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(13.25, 13.25, 13.25); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
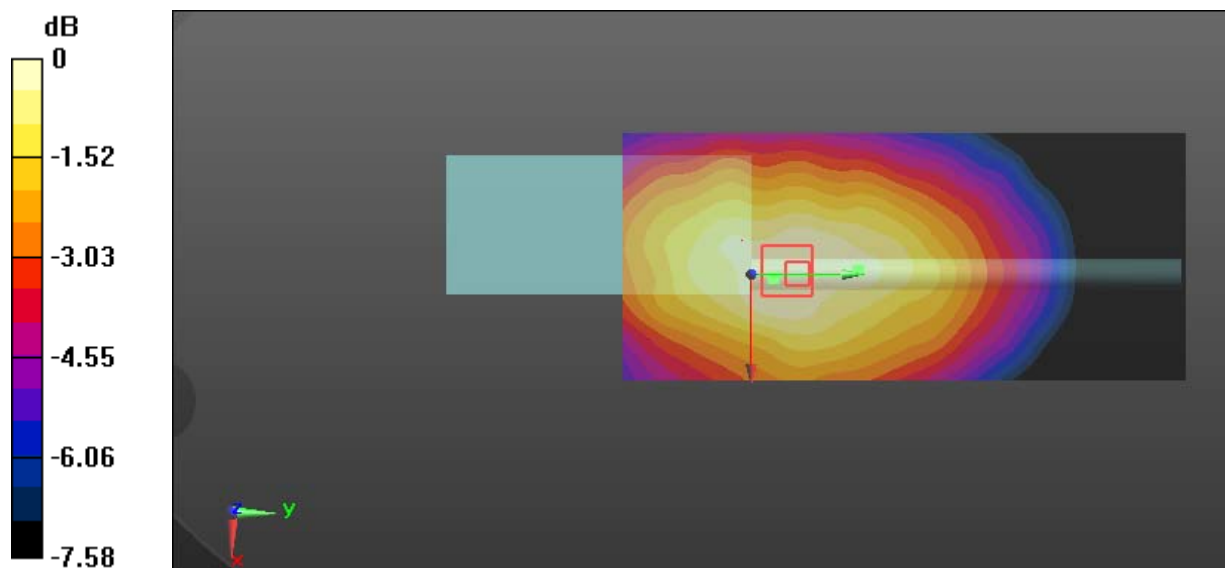
Maximum value of SAR (interpolated) = 1.48 W/kg

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

Reference Value = 39.50 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.79 W/kg

**SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.829 W/kg**

Maximum value of SAR (measured) = 1.48 W/kg



0 dB = 1.48 W/kg = 1.70 dBW/kg

**Test Plot 26#: PTT_4FSK_Body Back_162.0125 MHz_ PH700L VHF**

**DUT: DIGITAL PORTABLE RADIO; Type: PH700L VHF; Serial: 17091500222**

Communication System: 4FSK; Frequency: 162.012 MHz;Duty Cycle: 1:2

Medium parameters used: f = 162.012 MHz; $\sigma$ = 0.842 S/m; $\varepsilon_r$ = 60.884; $\rho$ = 1000 kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772;Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

**Area Scan (71x161x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
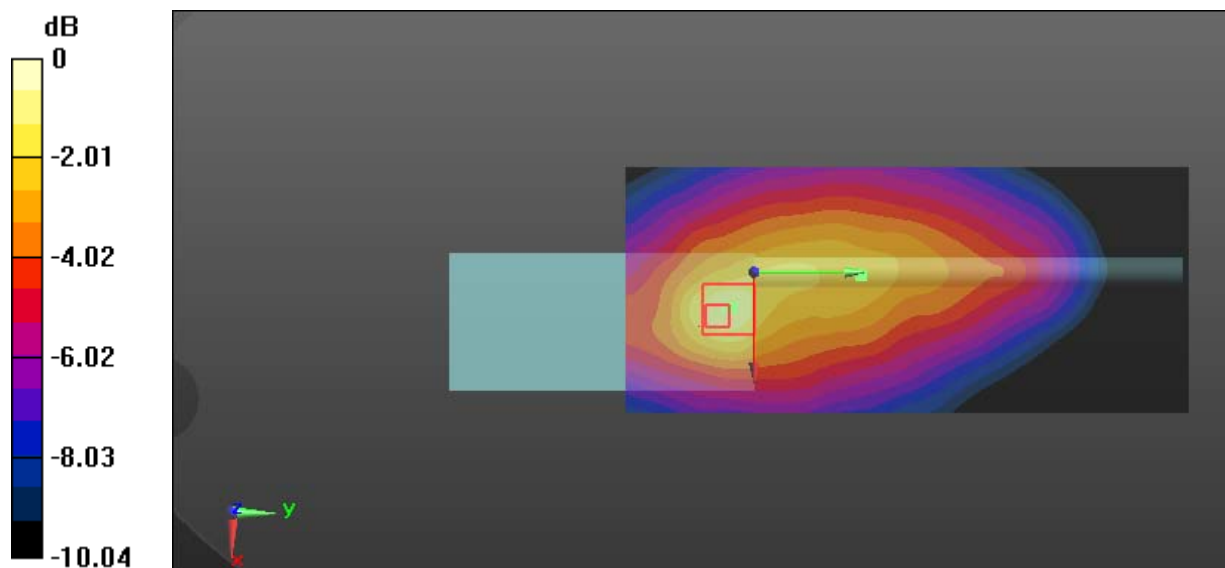
Maximum value of SAR (interpolated) = 3.61 W/kg

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

Reference Value = 49.44 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 5.89 W/kg

**SAR(1 g) = 2.63 W/kg; SAR(10 g) = 1.68 W/kg**

Maximum value of SAR (measured) = 4.13 W/kg



0 dB = 4.13 W/kg = 6.16 dBW/kg