

**Test Plot 1#: PTT\_FM\_Face-Up\_136.0125 MHz\_ PH790 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH790 VHF; Serial: 17071700221**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.771$  S/m;  $\epsilon_r = 52.146$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 3.36 W/kg

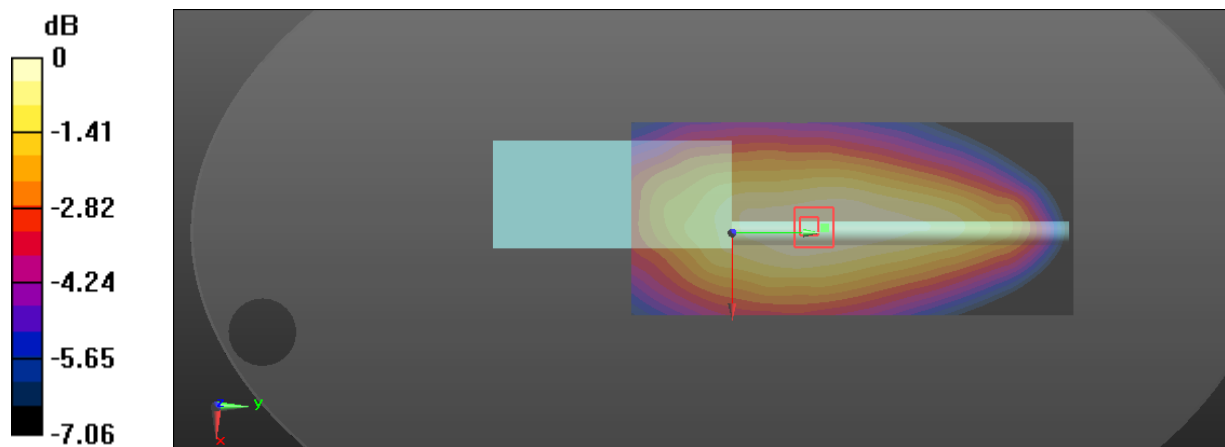
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 49.11 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 4.25 W/kg

**SAR(1 g) = 2.53 W/kg; SAR(10 g) = 1.71 W/kg**

Maximum value of SAR (measured) = 3.42 W/kg



0 dB = 3.42 W/kg = 5.34 dBW/kg

**Test Plot 2#: PTT\_FM\_Body Back\_136.0125 MHz\_PH790 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH790 VHF; Serial: 17071700221**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.805$  S/m;  $\epsilon_r = 60.784$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 10.5 W/kg

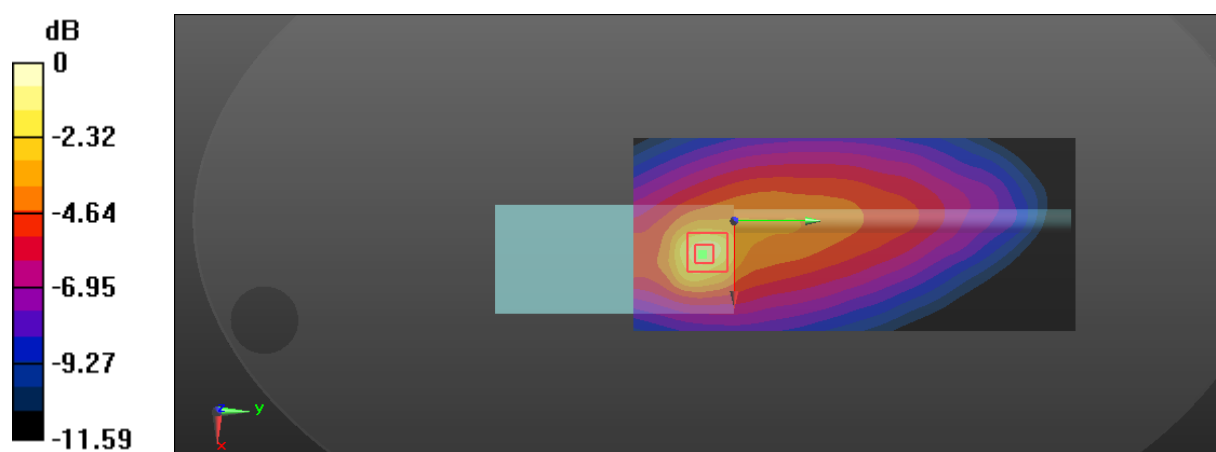
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 75.67 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 19.7 W/kg

**SAR(1 g) = 7.1 W/kg; SAR(10 g) = 4.15 W/kg**

Maximum value of SAR (measured) = 13.3 W/kg



0 dB = 13.3 W/kg = 11.24 dBW/kg

**Test Plot 3#: PTT\_FM\_Body Back\_143.0125 MHz\_ PH790 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH790 VHF; Serial: 17071700221**

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

Medium parameters used:  $f = 143.012$  MHz;  $\sigma = 0.808$  S/m;  $\epsilon_r = 60.654$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 8.43 W/kg

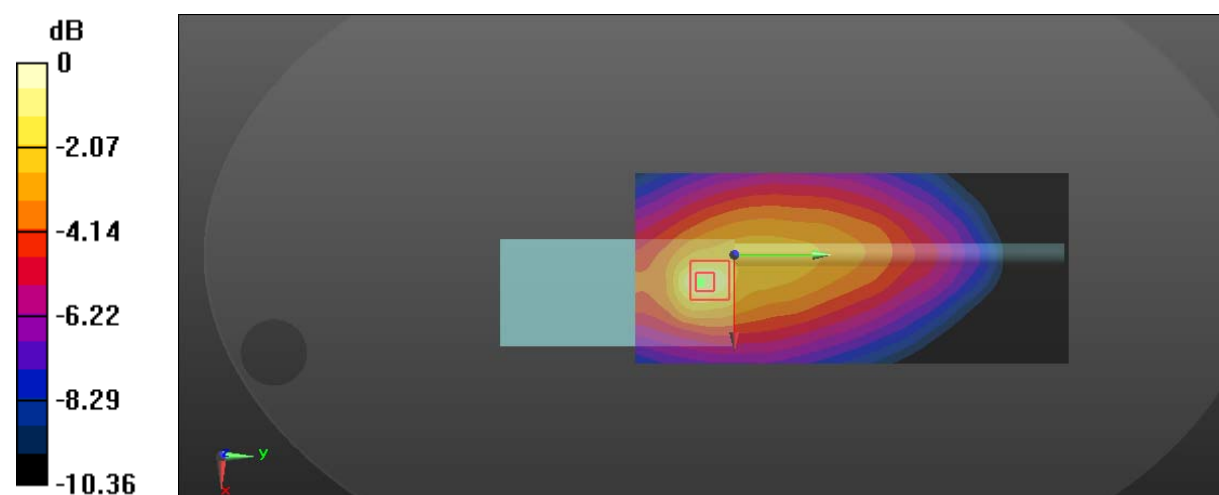
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 69.25 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 13.8 W/kg

**SAR(1 g) = 6.04 W/kg; SAR(10 g) = 3.91 W/kg**

Maximum value of SAR (measured) = 10.0 W/kg



0 dB = 10.0 W/kg = 10.00 dBW/kg

**Test Plot 4#: PTT\_FM\_Body Back\_149.9875 MHz\_PH790 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH790 VHF; Serial: 17071700221**

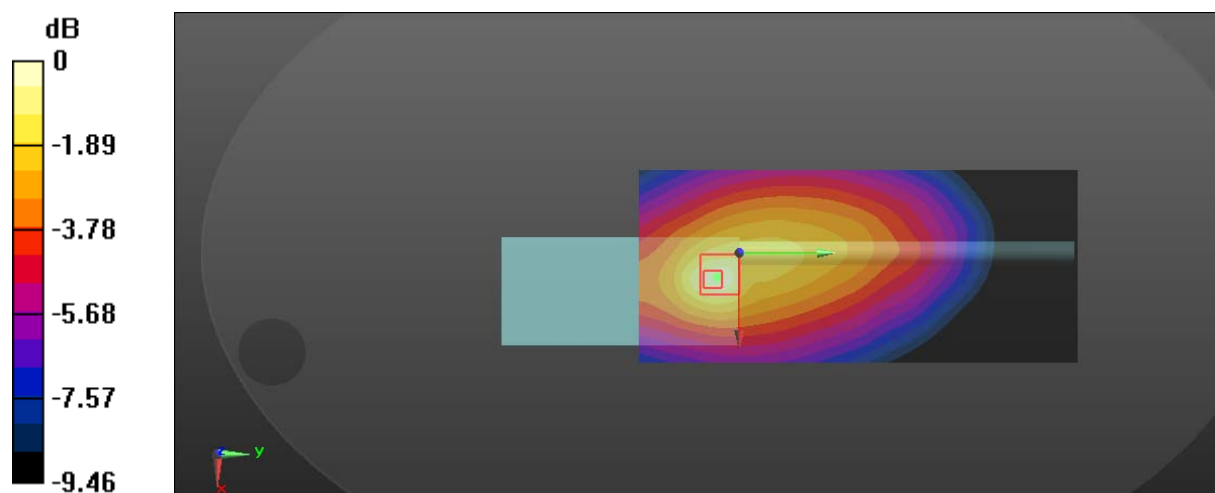
Communication System: FM; Frequency: 149.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 149.988 \text{ MHz}$ ;  $\sigma = 0.812 \text{ S/m}$ ;  $\epsilon_r = 60.439$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $7.46 \text{ W/kg}$ **Zoom Scan (5x5x4)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $71.65 \text{ V/m}$ ; Power Drift =  $0.12 \text{ dB}$ Peak SAR (extrapolated) =  $10.5 \text{ W/kg}$ **SAR(1 g) =  $5.01 \text{ W/kg}$ ; SAR(10 g) =  $3.34 \text{ W/kg}$** Maximum value of SAR (measured) =  $7.61 \text{ W/kg}$  $0 \text{ dB} = 7.61 \text{ W/kg} = 8.81 \text{ dBW/kg}$

**Test Plot 5#: PTT\_4FSK\_Face Up\_136.0125 MHz\_PH790 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH790 VHF; Serial: 17071700221**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.771$  S/m;  $\epsilon_r = 52.146$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 1.57 W/kg

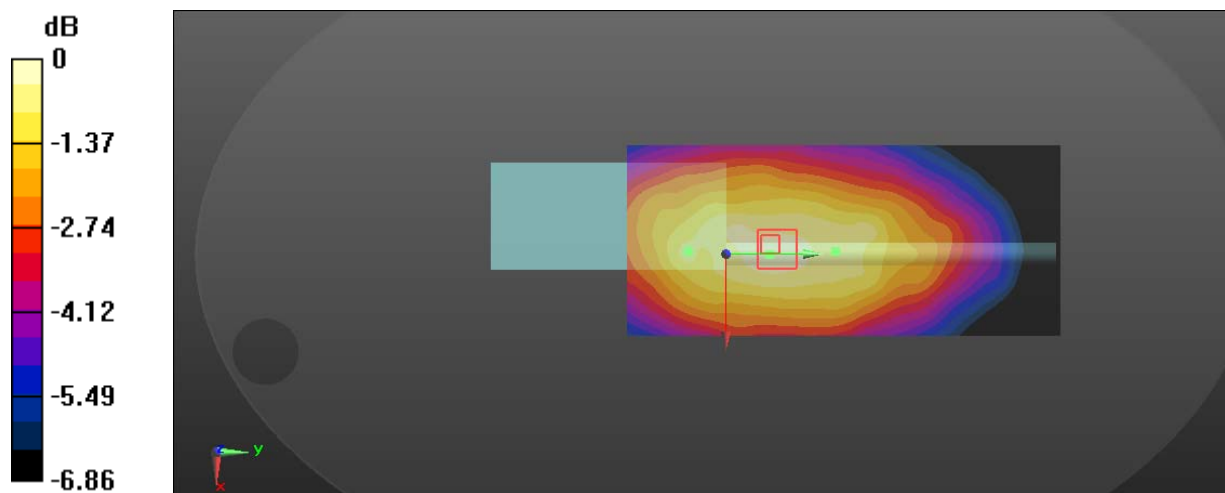
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.55 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.95 W/kg

**SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.927 W/kg**

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



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

**Test Plot 6#: PTT\_4FSK\_Body Back\_136.0125 MHz\_PH790 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH790 VHF; Serial: 17071700221**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.805$  S/m;  $\epsilon_r = 60.784$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 5.03 W/kg

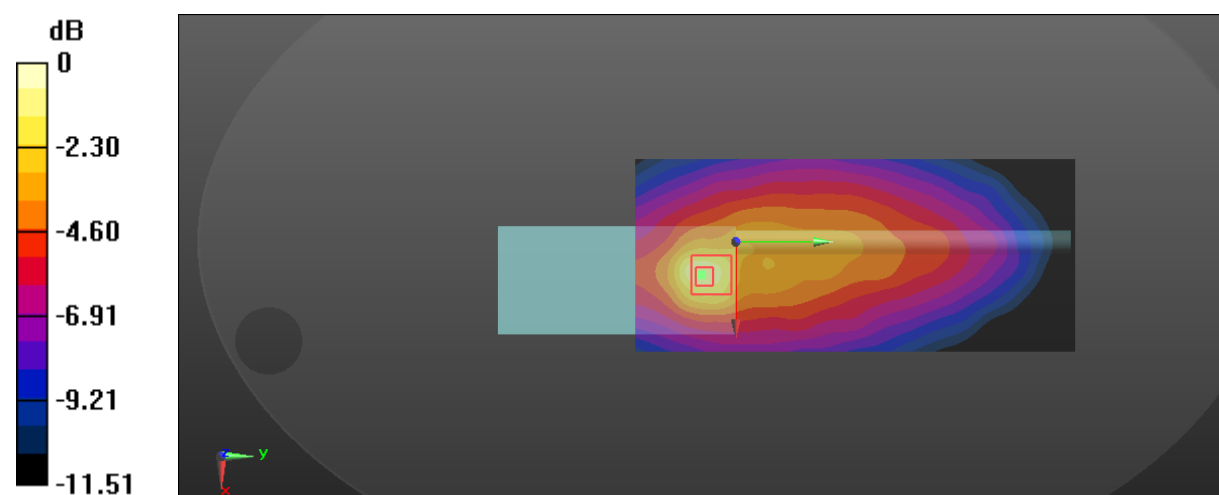
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 52.88 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 9.21 W/kg

**SAR(1 g) = 3.37 W/kg; SAR(10 g) = 2.03 W/kg**

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



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

**Test Plot 7#: PTT\_FM\_Face-Up\_136.0125 MHz\_ PH700 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH700 VHF; Serial: 17071700222**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.771$  S/m;  $\epsilon_r = 52.146$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 2.44 W/kg

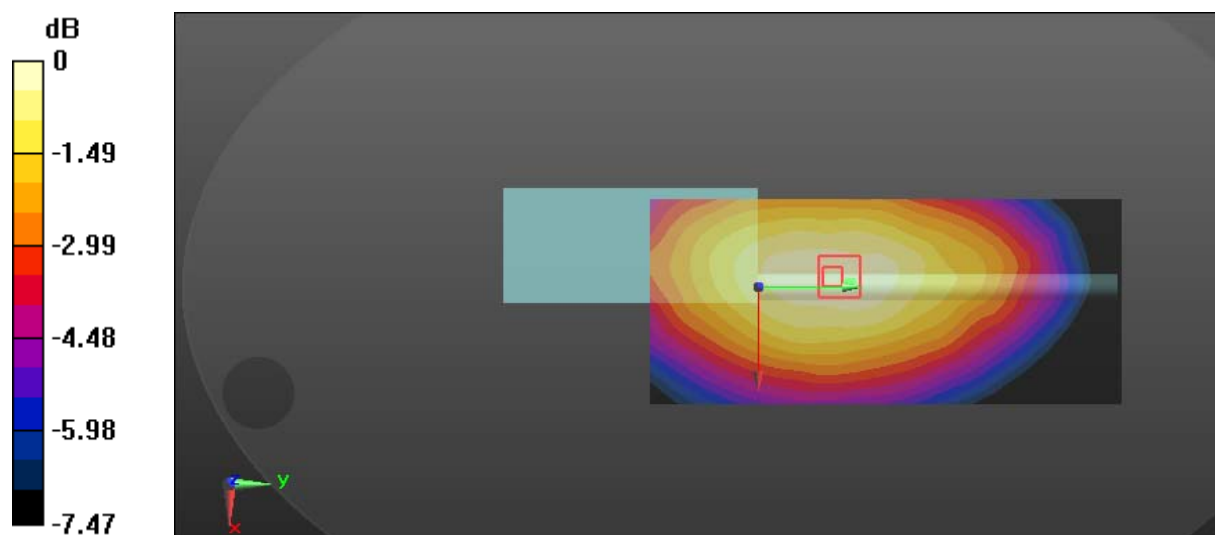
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 49.96 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 3.00 W/kg

**SAR(1 g) = 1.92 W/kg; SAR(10 g) = 1.44 W/kg**

Maximum value of SAR (measured) = 2.53 W/kg



0 dB = 2.53 W/kg = 4.03 dBW/kg

**Test Plot 8#: PTT\_FM\_Body Back\_136.0125 MHz\_ PH700 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH700 VHF; Serial: 17071700222**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.805$  S/m;  $\epsilon_r = 60.784$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 9.92 W/kg

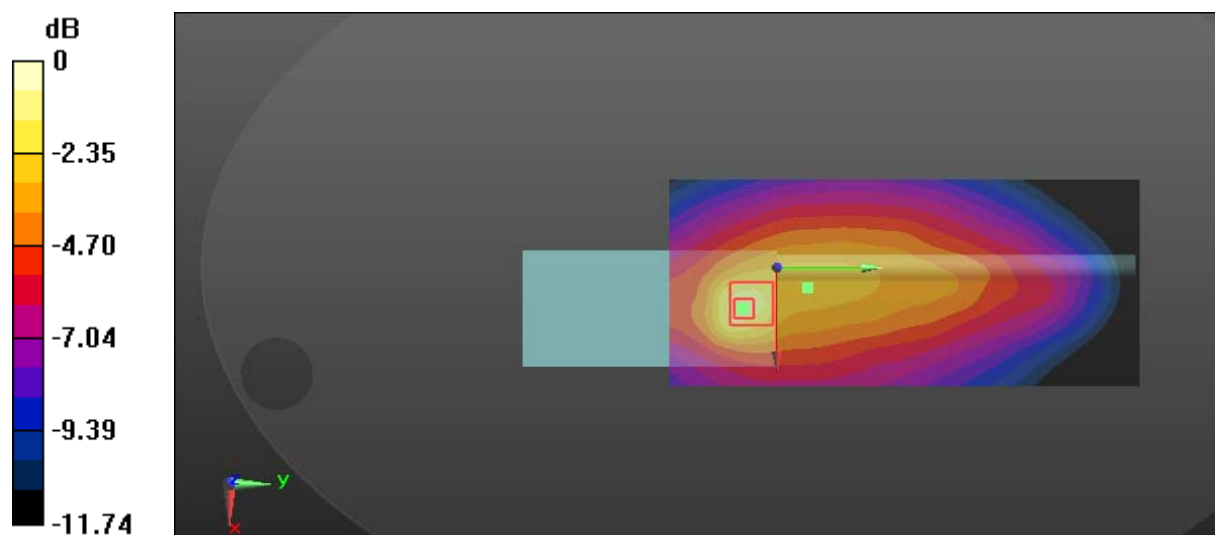
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.84 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 18.0 W/kg

**SAR(1 g) = 6.87 W/kg; SAR(10 g) = 4.17 W/kg**

Maximum value of SAR (measured) = 12.5 W/kg



0 dB = 12.5 W/kg = 10.97 dBW/kg



**Test Plot 9#: PTT\_4FSK\_Face Up\_136.0125 MHz\_PH700 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH700 VHF; Serial: 17071700222**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.771$  S/m;  $\epsilon_r = 52.146$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 1.39 W/kg

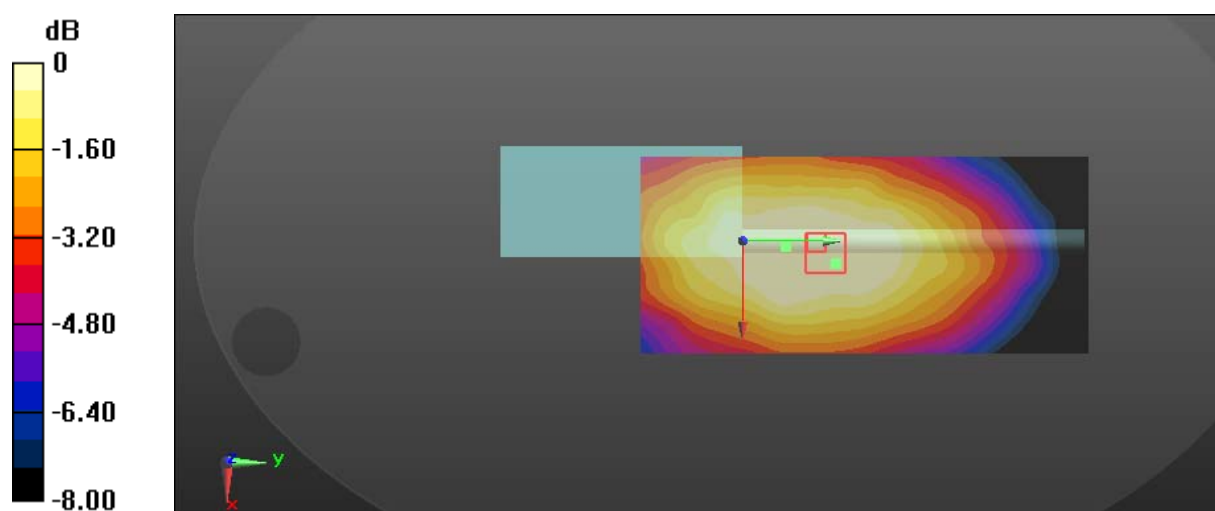
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.18 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.40 W/kg

**SAR(1 g) = 0.918 W/kg; SAR(10 g) = 0.687 W/kg**

Maximum value of SAR (measured) = 1.20 W/kg



0 dB = 1.20 W/kg = 0.79 dBW/kg

**Test Plot 10#: PTT\_4FSK \_Body Back\_136.0125 MHz\_ PH700 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH700 VHF; Serial: 17071700222**

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

Medium parameters used:  $f = 136.012$  MHz;  $\sigma = 0.805$  S/m;  $\epsilon_r = 60.784$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 5.57 W/kg

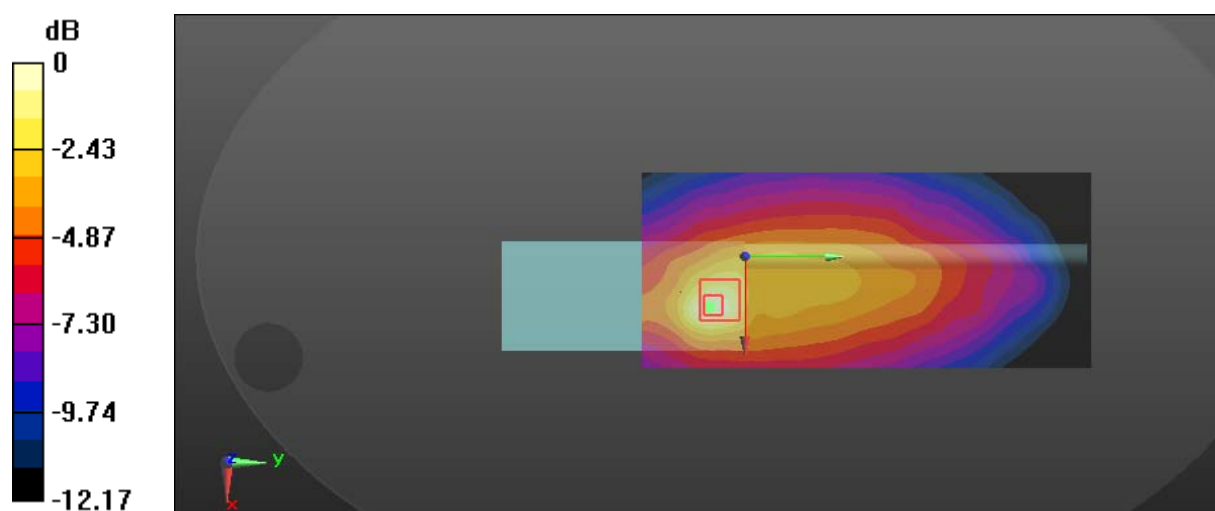
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 54.07 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 8.57 W/kg

**SAR(1 g) = 3.12 W/kg; SAR(10 g) = 1.88 W/kg**

Maximum value of SAR (measured) = 5.80 W/kg



0 dB = 5.80 W/kg = 7.63 dBW/kg

**Test Plot 11#: PTT\_FM\_Face Up\_156.0125 MHz\_ PH790 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH790 VHF; Serial: 17071700221**

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

Medium parameters used:  $f = 156.012$  MHz;  $\sigma = 0.791$  S/m;  $\epsilon_r = 52.026$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 3.35 W/kg

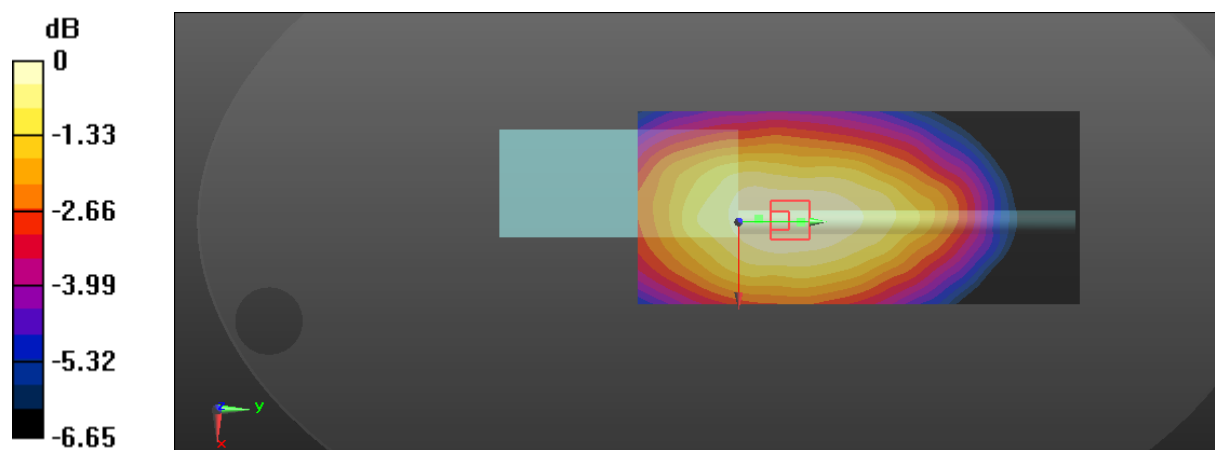
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.92 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 3.79 W/kg

**SAR(1 g) = 2.49 W/kg; SAR(10 g) = 1.93 W/kg**

Maximum value of SAR (measured) = 3.23 W/kg



0 dB = 3.23 W/kg = 5.09 dBW/kg

**Test Plot 12#: PTT\_FM\_Body Back\_156.0125 MHz\_ PH790 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH790 VHF; Serial: 17071700221**

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

Medium parameters used:  $f = 156.012$  MHz;  $\sigma = 0.822$  S/m;  $\epsilon_r = 60.343$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 11.1 W/kg

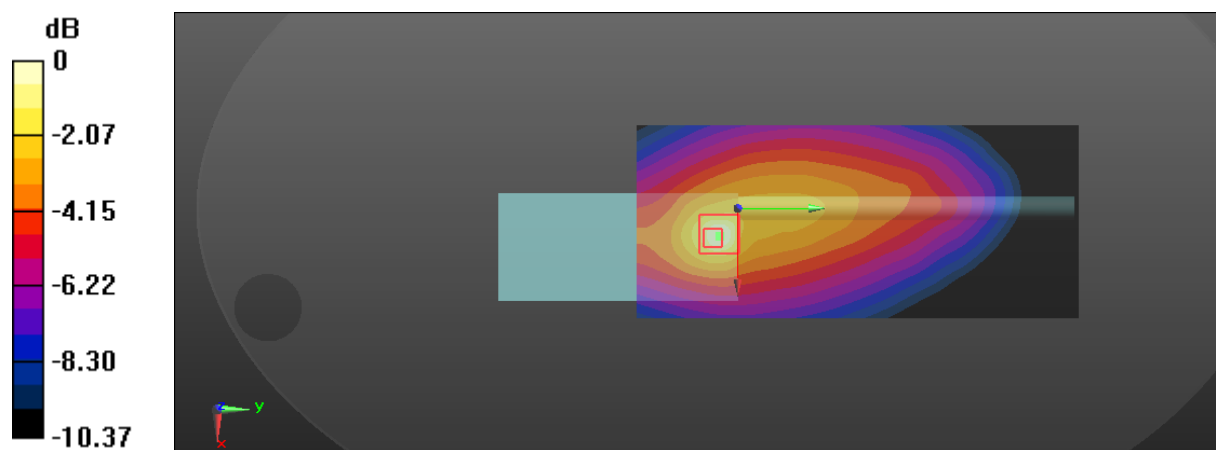
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 75.80 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 15.9 W/kg

**SAR(1 g) = 6.74 W/kg; SAR(10 g) = 4.21 W/kg**

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



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

**Test Plot 13#: PTT\_4FSK\_Face Up\_156.0125 MHz\_ PH790 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH790 VHF; Serial: 17071700221**

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

Medium parameters used:  $f = 156.012$  MHz;  $\sigma = 0.791$  S/m;  $\epsilon_r = 52.026$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 1.73 W/kg

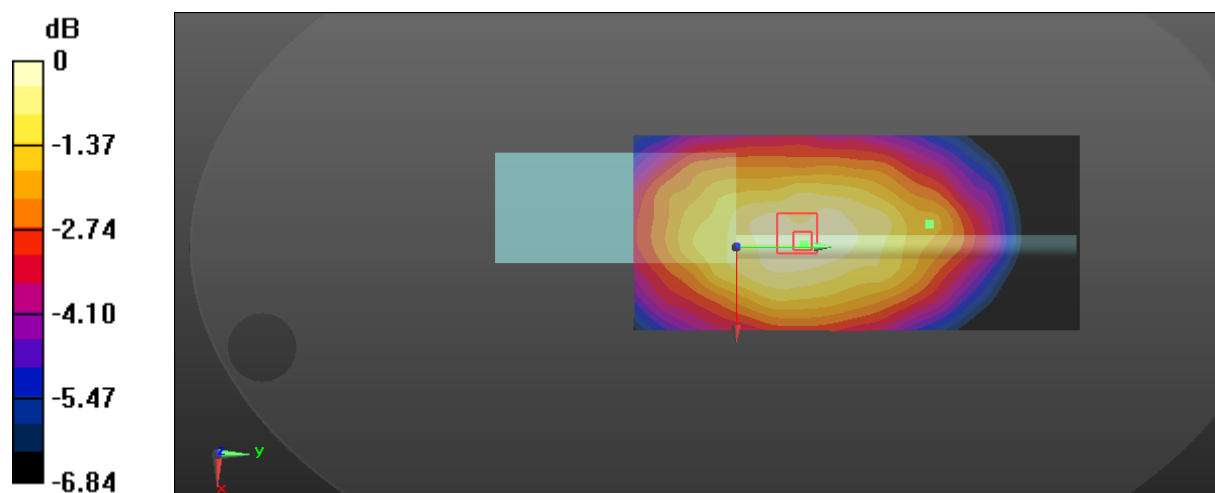
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.88 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.10 W/kg

**SAR(1 g) = 1.34 W/kg; SAR(10 g) = 1.03 W/kg**

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



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

**Test Plot 14#: PTT\_4FSK\_Body Back\_156.0125 MHz\_ PH790 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH790 VHF; Serial: 17071700221**

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

Medium parameters used:  $f = 156.012$  MHz;  $\sigma = 0.822$  S/m;  $\epsilon_r = 60.343$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 4.91 W/kg

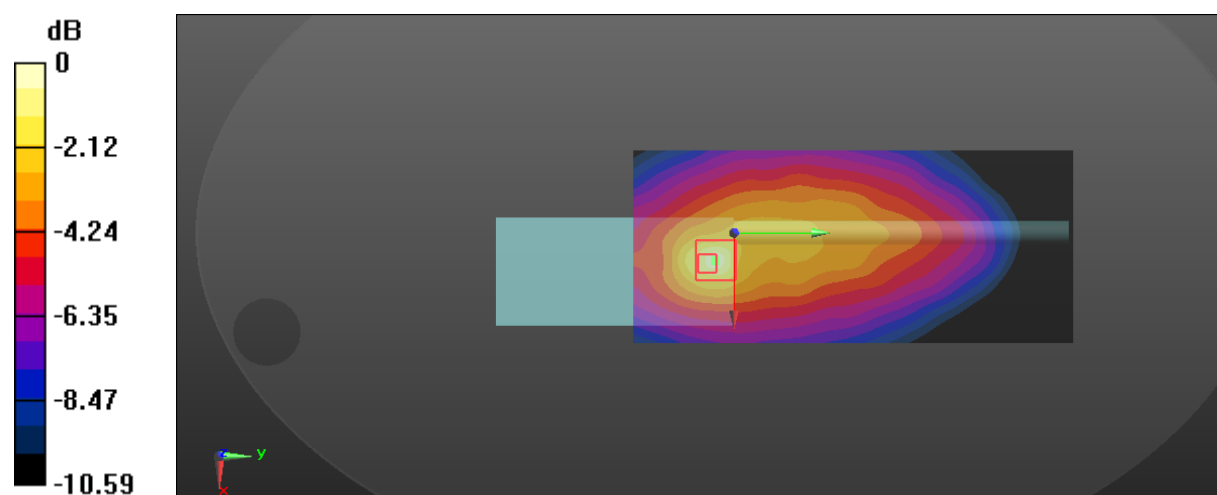
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 53.78 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 7.98 W/kg

**SAR(1 g) = 3.19 W/kg; SAR(10 g) = 2.01 W/kg**

Maximum value of SAR (measured) = 5.37 W/kg



0 dB = 5.37 W/kg = 7.30 dBW/kg

**Test Plot 15#: PTT\_FM\_Face Up\_156.0125 MHz\_ PH700 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH700 VHF; Serial: 17071700222**

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

Medium parameters used:  $f = 156.012$  MHz;  $\sigma = 0.791$  S/m;  $\epsilon_r = 52.026$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 2.64 W/kg

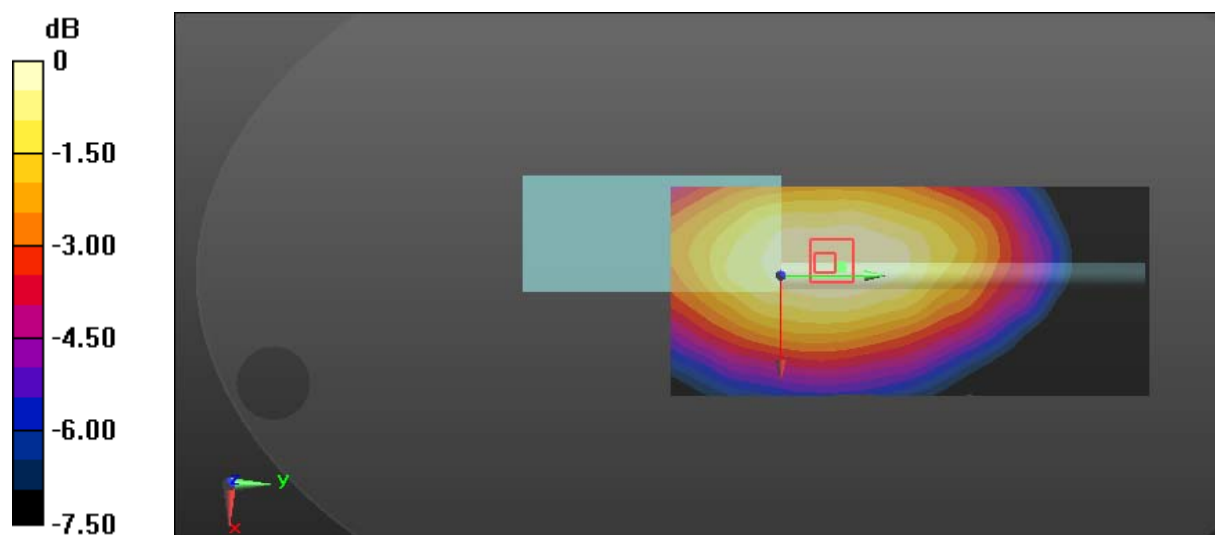
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 49.72 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 3.02 W/kg

**SAR(1 g) = 1.99 W/kg; SAR(10 g) = 1.49 W/kg**

Maximum value of SAR (measured) = 2.61 W/kg



0 dB = 2.61 W/kg = 4.17 dBW/kg

**Test Plot 16#: PTT\_FM\_Body Back\_156.0125 MHz\_ PH700 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH700 VHF; Serial: 17071700222**

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

Medium parameters used:  $f = 156.012$  MHz;  $\sigma = 0.822$  S/m;  $\epsilon_r = 60.343$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 10.4 W/kg

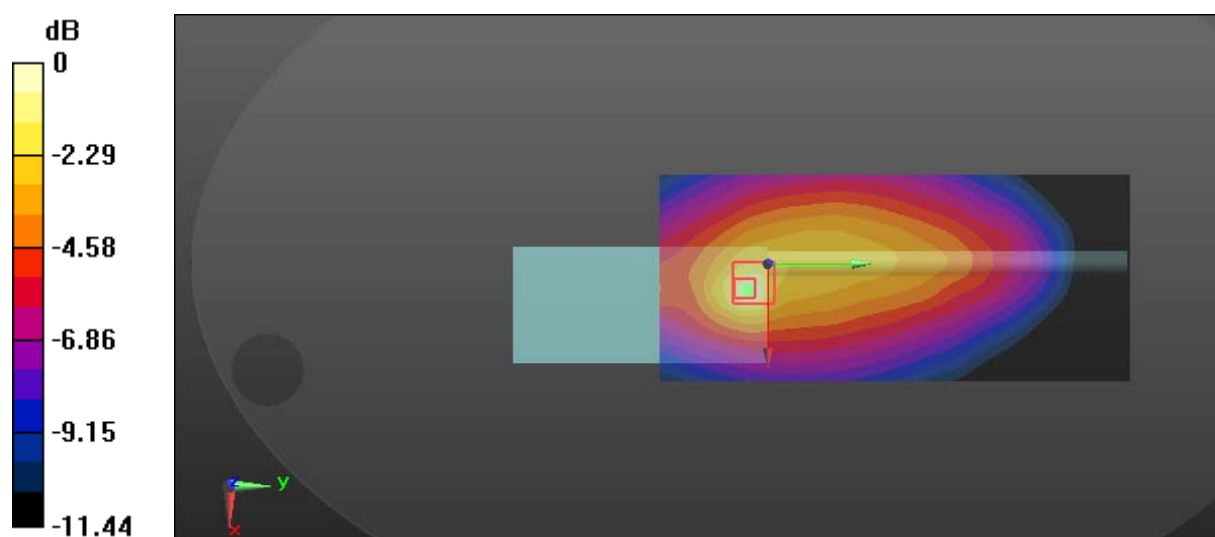
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 67.72 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 15.5 W/kg

**SAR(1 g) = 6.21 W/kg; SAR(10 g) = 3.85 W/kg**

Maximum value of SAR (measured) = 10.8 W/kg



0 dB = 10.8 W/kg = 10.33 dBW/kg



**Test Plot 17#: PTT\_4FSK\_Face Up\_156.0125 MHz\_ PH700 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH700 VHF; Serial: 17071700222**

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

Medium parameters used:  $f = 156.012$  MHz;  $\sigma = 0.791$  S/m;  $\epsilon_r = 52.026$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 1.19 W/kg

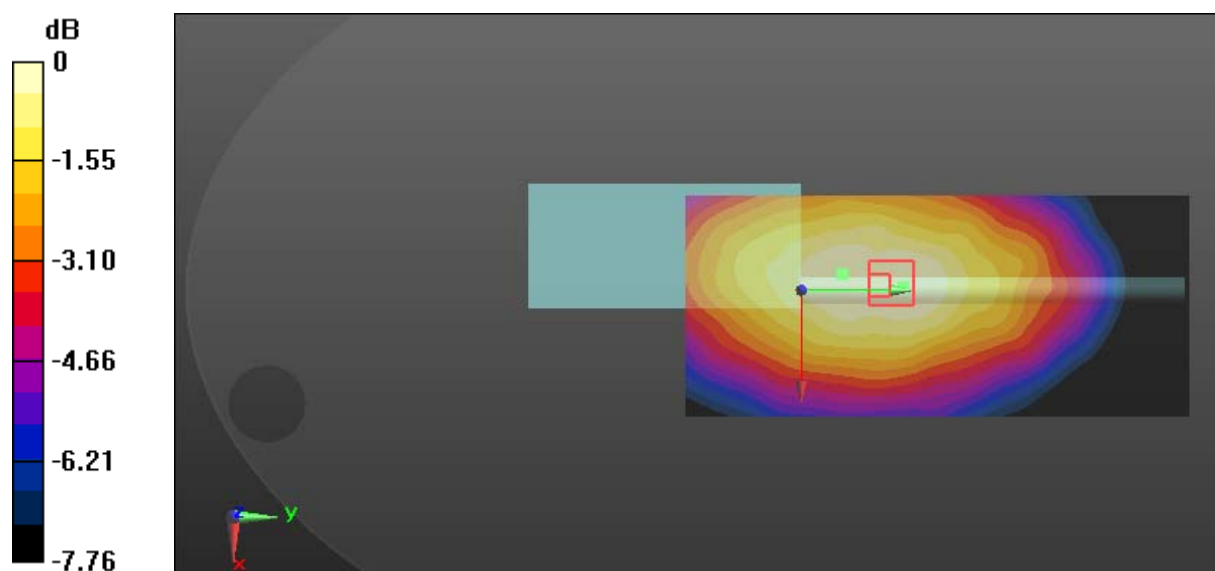
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.45 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.36 W/kg

**SAR(1 g) = 0.890 W/kg; SAR(10 g) = 0.661 W/kg**

Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 1.15 W/kg = 0.61 dBW/kg

**Test Plot 18#: PTT\_4FSK\_Body Back\_156.0125 MHz\_ PH700 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH700 VHF; Serial: 17071700222**

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

Medium parameters used:  $f = 156.012$  MHz;  $\sigma = 0.822$  S/m;  $\epsilon_r = 60.343$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 4.06 W/kg

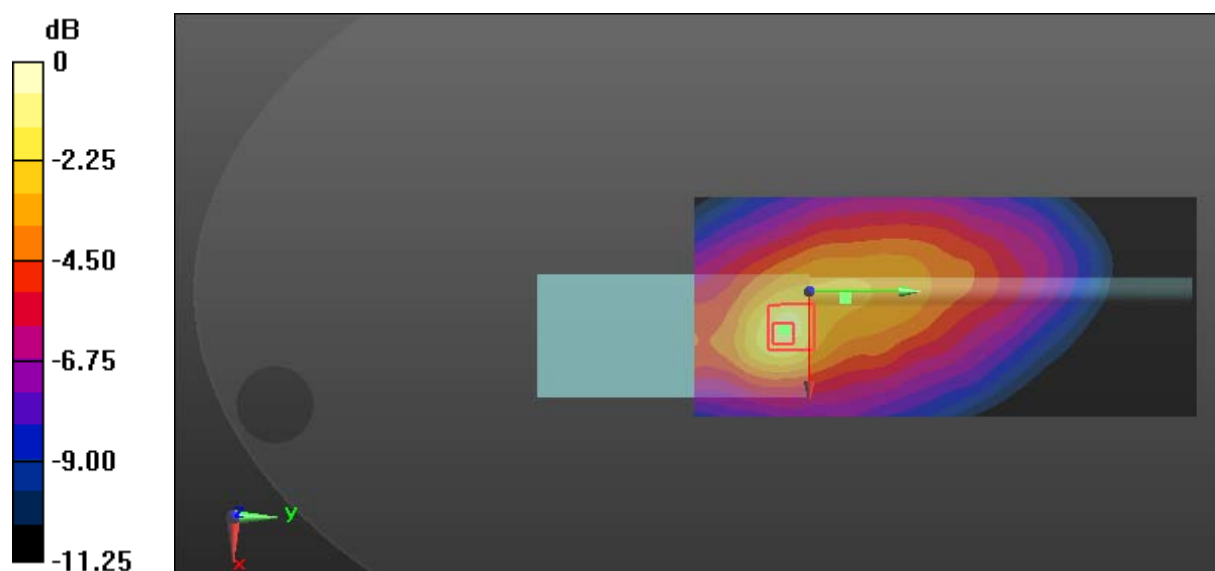
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 48.28 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 8.32 W/kg

**SAR(1 g) = 2.84 W/kg; SAR(10 g) = 1.74 W/kg**

Maximum value of SAR (measured) = 5.18 W/kg



0 dB = 5.18 W/kg = 7.14 dBW/kg

**Test Plot 19#: PTT\_FM\_Face Up\_162.0125 MHz\_ PH790 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH790 VHF; Serial: 17071700221**

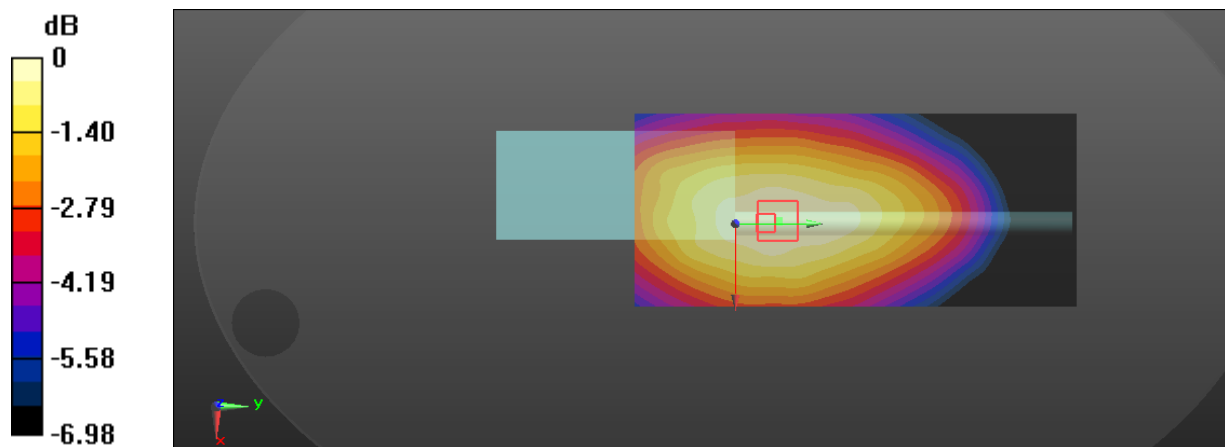
Communication System: FM; Frequency: 162.012 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 162.012 \text{ MHz}$ ;  $\sigma = 0.794 \text{ S/m}$ ;  $\epsilon_r = 52.011$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $3.45 \text{ W/kg}$ **Zoom Scan (5x5x4)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $56.08 \text{ V/m}$ ; Power Drift =  $-0.20 \text{ dB}$ Peak SAR (extrapolated) =  $4.01 \text{ W/kg}$ **SAR(1 g) =  $2.55 \text{ W/kg}$ ; SAR(10 g) =  $1.95 \text{ W/kg}$** Maximum value of SAR (measured) =  $3.37 \text{ W/kg}$ 0 dB =  $3.37 \text{ W/kg}$  =  $5.28 \text{ dBW/kg}$

**Test Plot 20#: PTT\_FM\_Body Back\_162.0125 MHz\_ PH790 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH790 VHF; Serial: 17071700221**

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

Medium parameters used:  $f = 162.012$  MHz;  $\sigma = 0.831$  S/m;  $\epsilon_r = 60.297$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 7.43 W/kg

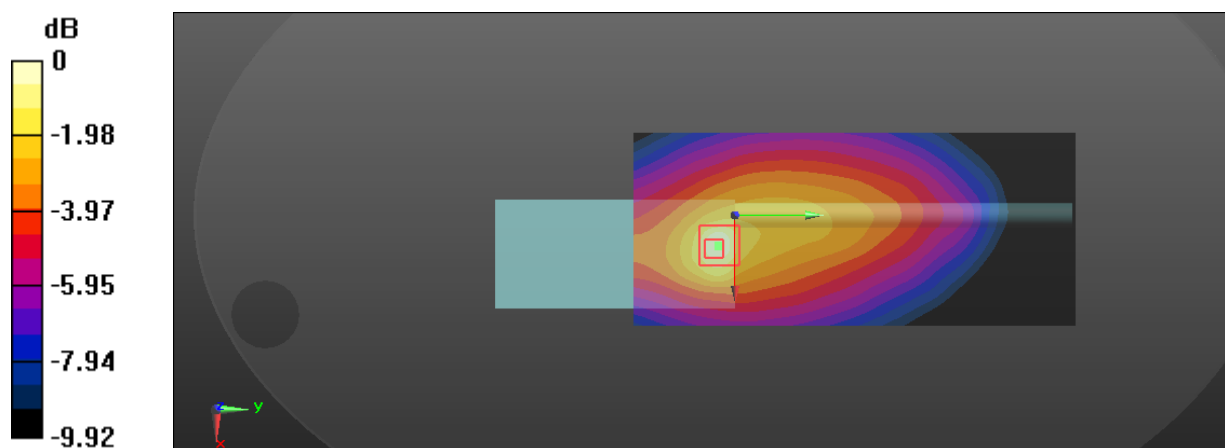
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 66.56 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 10.7 W/kg

**SAR(1 g) = 4.82 W/kg; SAR(10 g) = 3.08 W/kg**

Maximum value of SAR (measured) = 7.41 W/kg



0 dB = 7.41 W/kg = 8.70 dBW/kg

**Test Plot 21#: PTT\_4FSK\_Face Up\_162.0125 MHz\_ PH790 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH790 VHF; Serial: 17071700221**

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

Medium parameters used:  $f = 162.012$  MHz;  $\sigma = 0.794$  S/m;  $\epsilon_r = 52.011$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 1.78 W/kg

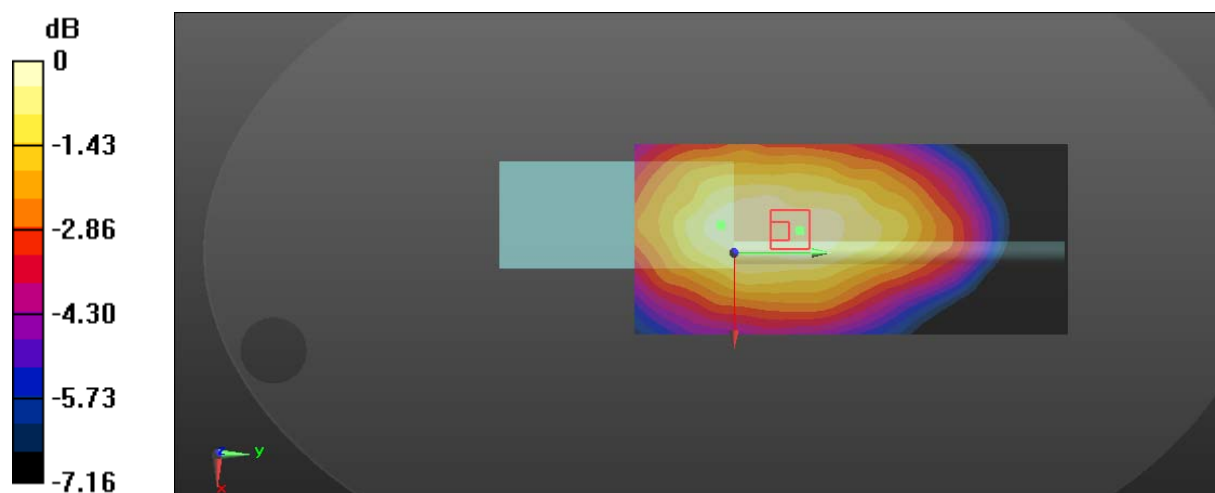
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.02 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 2.13 W/kg

**SAR(1 g) = 1.33 W/kg; SAR(10 g) = 1.02 W/kg**

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



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

**Test Plot 22#: PTT\_4FSK\_Body Back\_162.0125 MHz\_ PH790 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH790 VHF; Serial: 17071700221**

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

Medium parameters used:  $f = 162.012$  MHz;  $\sigma = 0.831$  S/m;  $\epsilon_r = 60.297$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 4.15 W/kg

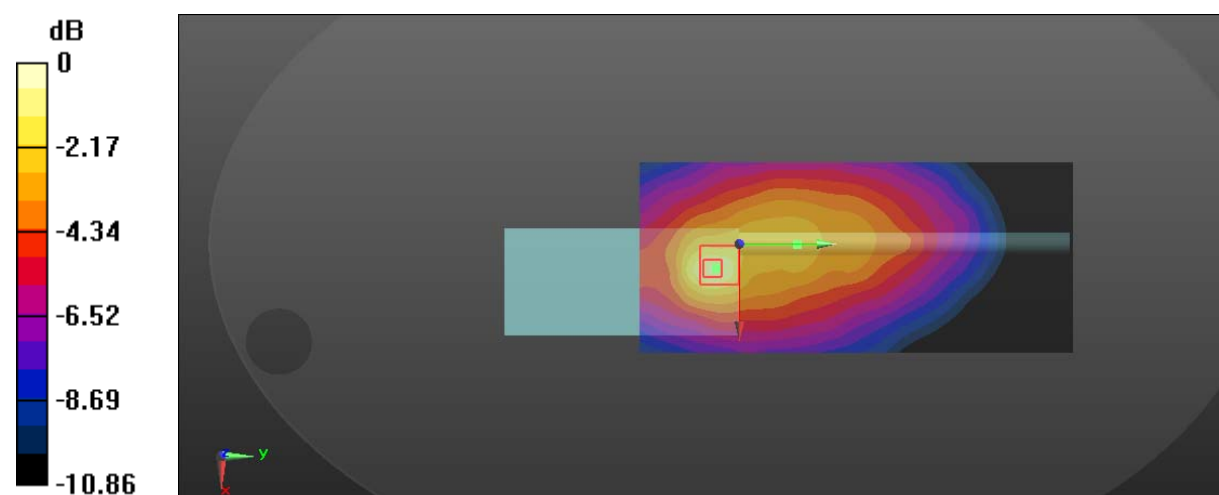
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 51.58 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 6.74 W/kg

**SAR(1 g) = 2.82 W/kg; SAR(10 g) = 1.81 W/kg**

Maximum value of SAR (measured) = 4.80 W/kg



0 dB = 4.80 W/kg = 6.81 dBW/kg

**Test Plot 23#: PTT\_FM\_Face Up\_162.0125 MHz\_ PH700 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH700 VHF; Serial: 17071700222**

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

Medium parameters used:  $f = 162.012$  MHz;  $\sigma = 0.794$  S/m;  $\epsilon_r = 52.011$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

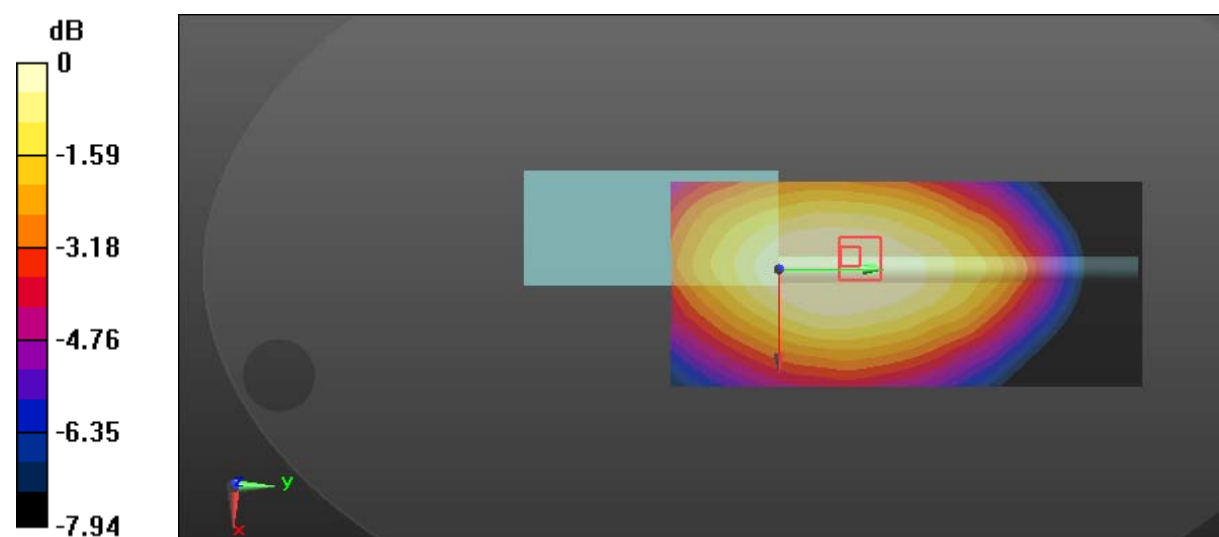
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 51.15 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 3.12 W/kg

**SAR(1 g) = 1.98 W/kg; SAR(10 g) = 1.47 W/kg**

Maximum value of SAR (measured) = 2.63 W/kg



0 dB = 2.63 W/kg = 4.20 dBW/kg

**Test Plot 24#: PTT\_FM\_Body Back\_162.0125 MHz\_ PH700 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH700 VHF; Serial: 17071700222**

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

Medium parameters used:  $f = 162.012$  MHz;  $\sigma = 0.831$  S/m;  $\epsilon_r = 60.297$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 6.82 W/kg

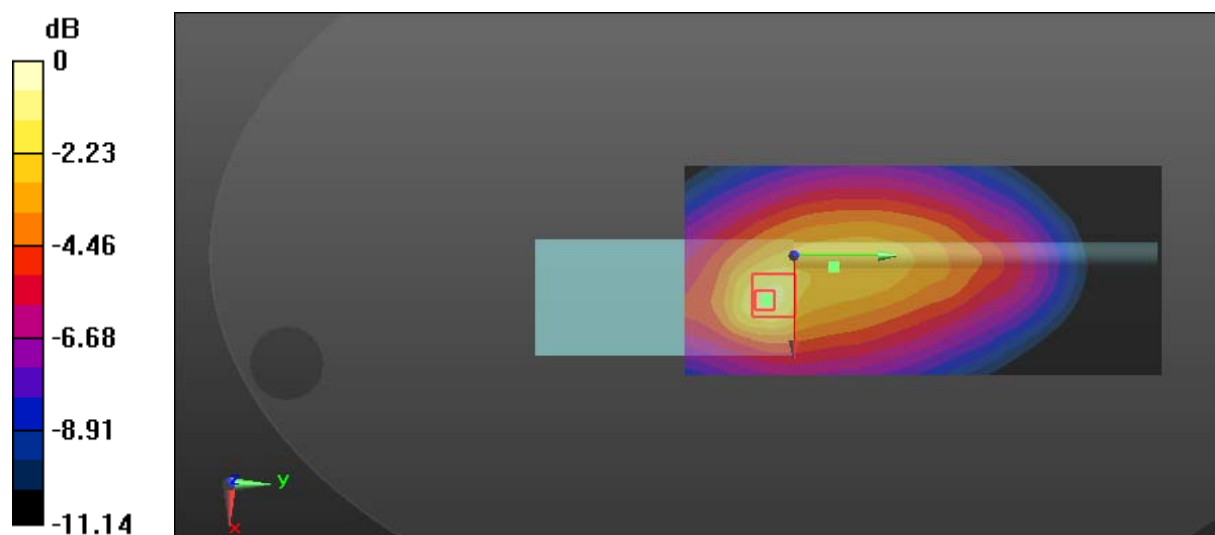
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 69.09 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 13.0 W/kg

**SAR(1 g) = 5.3 W/kg; SAR(10 g) = 3.31 W/kg**

Maximum value of SAR (measured) = 9.10 W/kg



0 dB = 9.10 W/kg = 9.59 dBW/kg



**Test Plot 25#: PTT\_4FSK\_Face Up\_162.0125 MHz\_ PH700 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH700 VHF; Serial: 17071700222**

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

Medium parameters used:  $f = 162.012$  MHz;  $\sigma = 0.794$  S/m;  $\epsilon_r = 52.011$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 1.24 W/kg

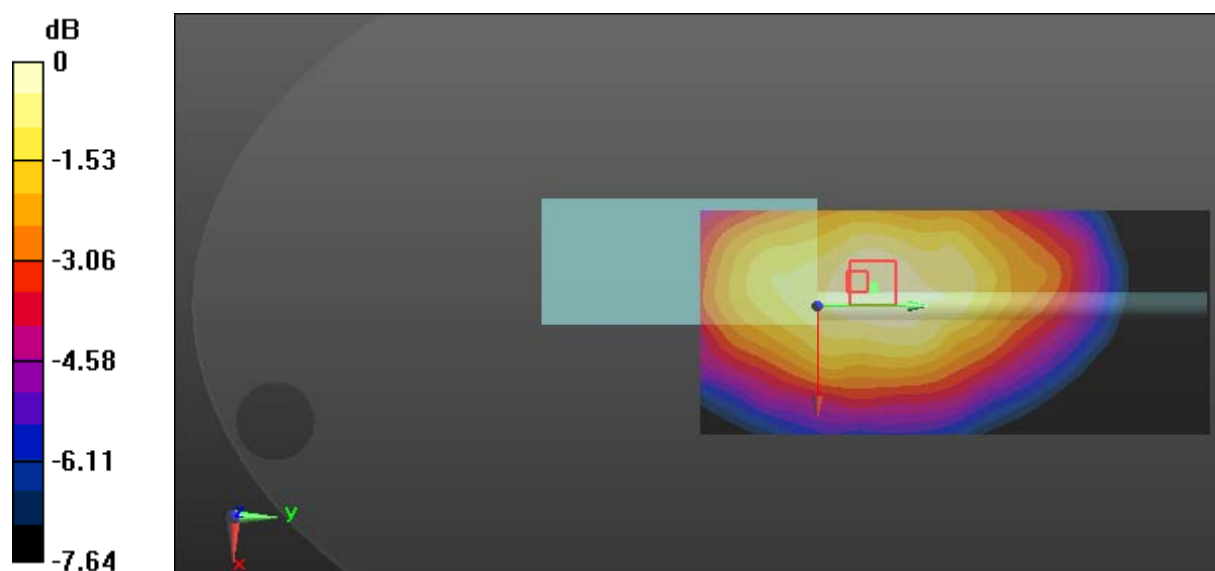
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.85 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.46 W/kg

**SAR(1 g) = 0.898 W/kg; SAR(10 g) = 0.667 W/kg**

Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.21 W/kg = 0.83 dBW/kg

**Test Plot 26#: PTT\_4FSK\_Body Back\_162.0125 MHz\_ PH700 VHF****DUT: DIGITAL PORTABLE RADIO; Type: PH700 VHF; Serial: 17071700222**

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

Medium parameters used:  $f = 162.012$  MHz;  $\sigma = 0.831$  S/m;  $\epsilon_r = 60.297$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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) = 2.88 W/kg

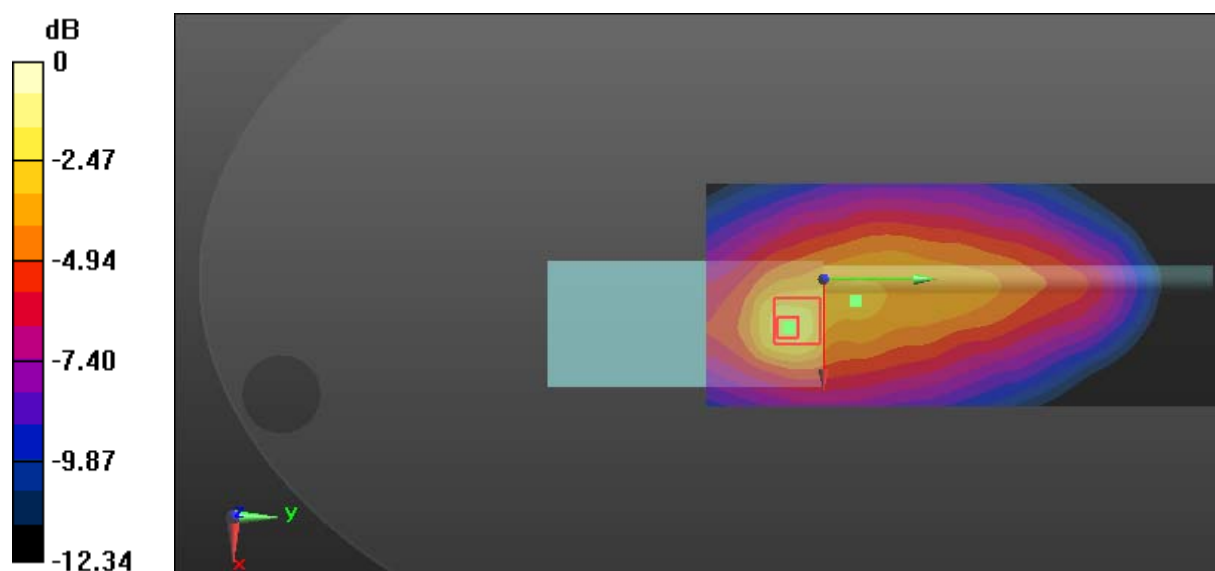
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 44.72 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 6.55 W/kg

**SAR(1 g) = 2.27 W/kg; SAR(10 g) = 1.33 W/kg**

Maximum value of SAR (measured) = 4.42 W/kg



0 dB = 4.42 W/kg = 6.45 dBW/kg