

Test Plot 1#: PTT_FM 12.5kHz_Face Up_400.0125 MHz**DUT: DMR Handheld Two Way Radio; Type: HYDX-D25; Serial: 18040400321**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.855$ S/m; $\epsilon_r = 45.79$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 6.18 W/kg

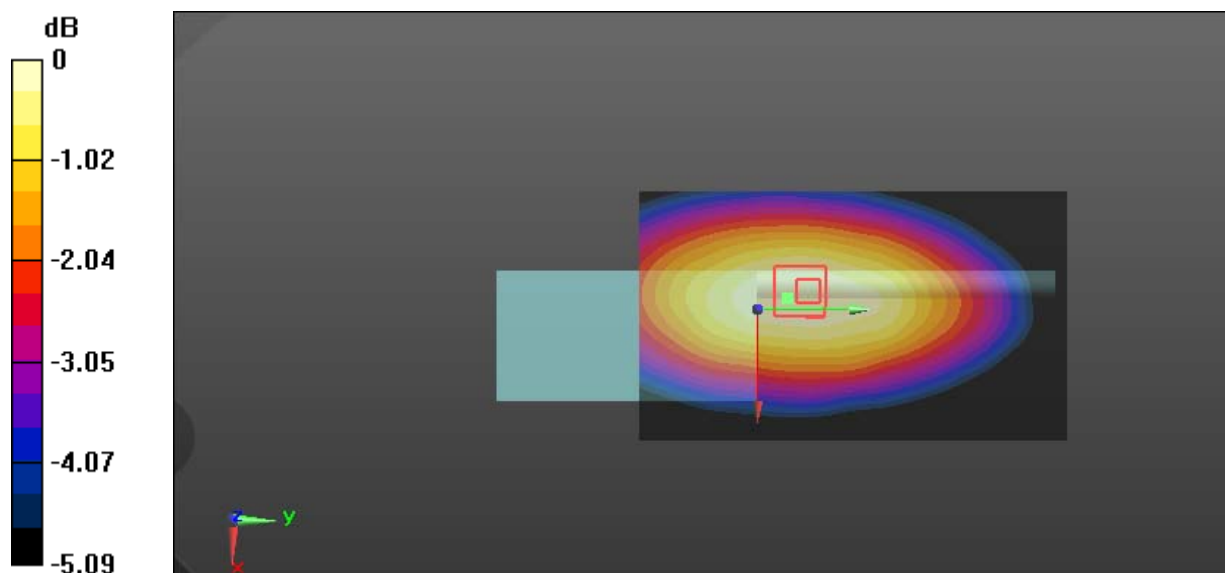
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 73.50 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 6.89 W/kg

SAR(1 g) = 4.98 W/kg; SAR(10 g) = 4.08 W/kg

Maximum value of SAR (measured) = 6.08 W/kg



0 dB = 6.08 W/kg = 7.84 dBW/kg

Test Plot 2#: PTT_FM 12.5kHz_Body Back_400.0125 MHz**DUT: DMR Handheld Two Way Radio; Type: HYDX-D25; Serial: 18040400321**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.922$ S/m; $\epsilon_r = 59.009$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

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

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

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

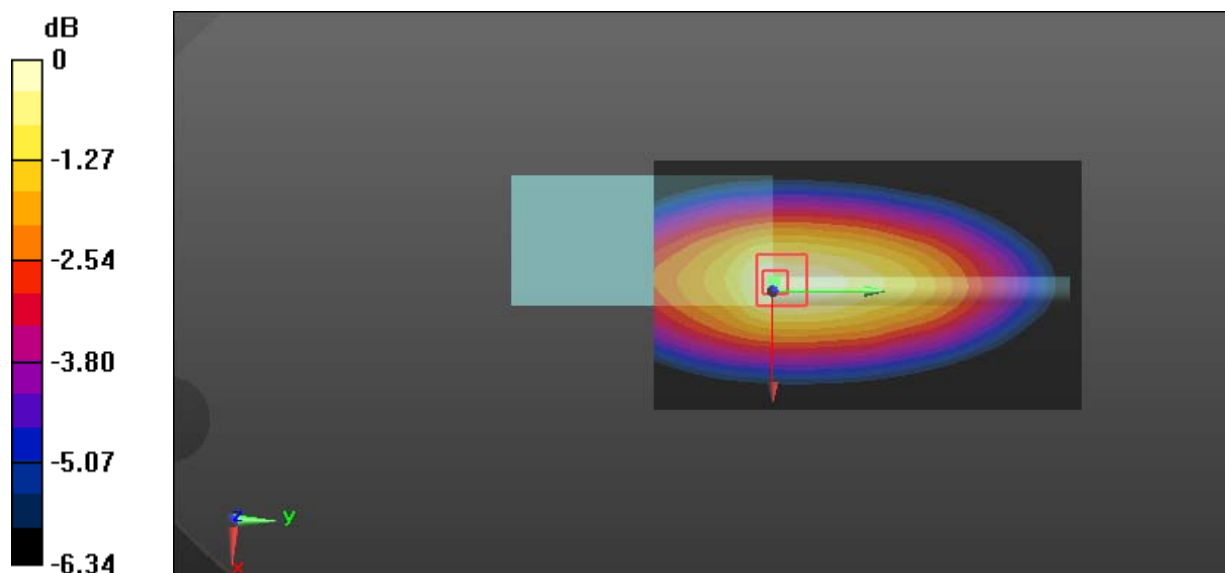
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 104.4 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 14.2 W/kg

SAR(1 g) = 10.1 W/kg; SAR(10 g) = 7.77 W/kg

Maximum value of SAR (measured) = 12.7 W/kg



0 dB = 12.7 W/kg = 11.04 dBW/kg

Test Plot 3#: PTT_FM 12.5kHz_Body Back_417 MHz**DUT: DMR Handheld Two Way Radio; Type: HYDX-D25; Serial: 18040400321**

Communication System: FM; Frequency: 417 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 417$ MHz; $\sigma = 0.903$ S/m; $\epsilon_r = 58.875$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

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

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

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

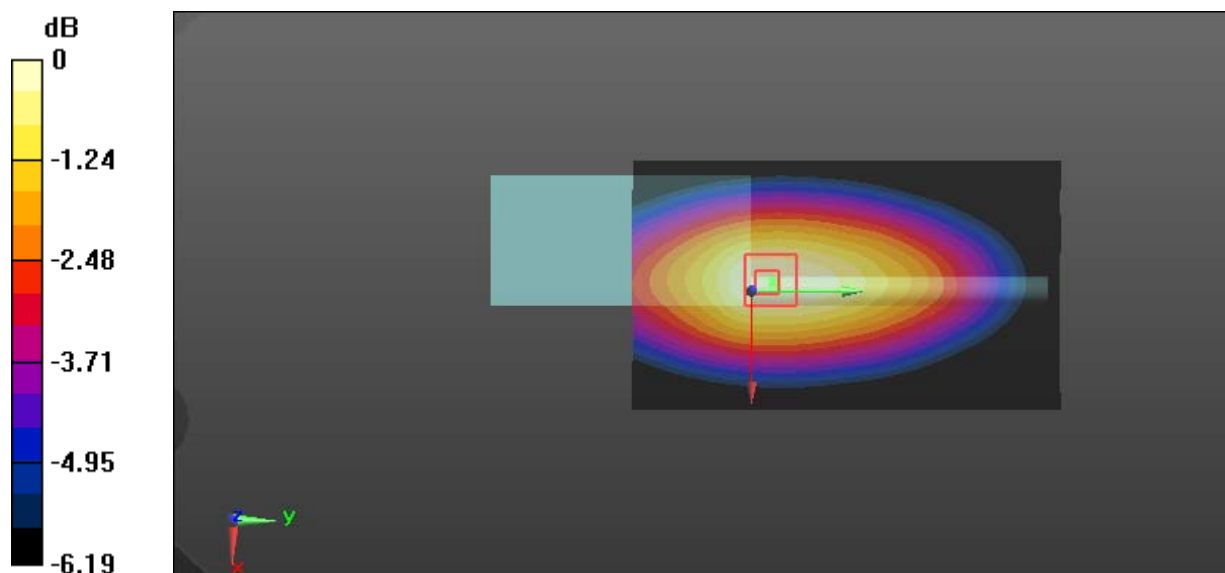
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 103.4 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 14.4 W/kg

SAR(1 g) = 10.1 W/kg; SAR(10 g) = 8.06 W/kg

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



0 dB = 12.4 W/kg = 10.93 dBW/kg

Test Plot 4#: PTT_FM 12.5kHz_Body Back_435 MHz**DUT: DMR Handheld Two Way Radio; Type: HYDX-D25; Serial: 18040400321**

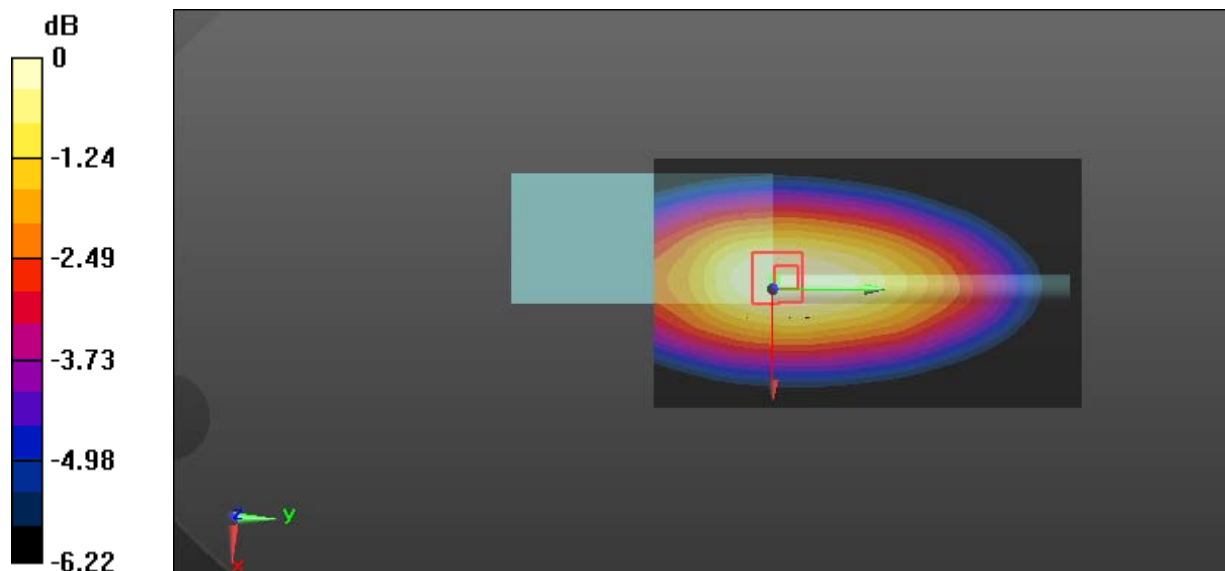
Communication System: FM; Frequency: 435 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 435 \text{ MHz}$; $\sigma = 0.912 \text{ S/m}$; $\epsilon_r = 58.436$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

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

Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 11.1 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 101.5 V/m ; Power Drift = -0.18 dB Peak SAR (extrapolated) = 12.2 W/kg **SAR(1 g) = 8.85 W/kg ; SAR(10 g) = 6.98 W/kg** Maximum value of SAR (measured) = 10.9 W/kg  $0 \text{ dB} = 10.9 \text{ W/kg} = 10.37 \text{ dBW/kg}$

Test Plot 5#: PTT_FM 12.5kHz_Body Back_452 MHz**DUT: DMR Handheld Two Way Radio; Type: HYDX-D25; Serial: 18040400321**

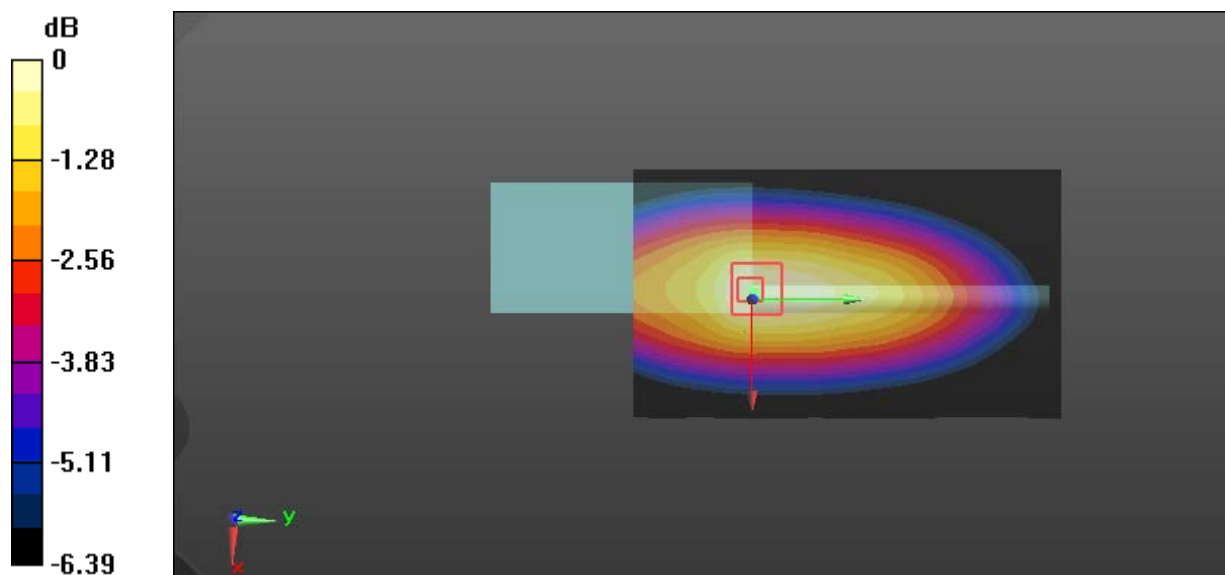
Communication System: FM; Frequency: 452 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 452 \text{ MHz}$; $\sigma = 0.923 \text{ S/m}$; $\epsilon_r = 58.005$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

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

Area Scan (71x121x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 10.7 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 98.32 V/m ; Power Drift = -0.09 dB Peak SAR (extrapolated) = 12.0 W/kg **SAR(1 g) = 8.33 W/kg ; SAR(10 g) = 6.31 W/kg** Maximum value of SAR (measured) = 10.5 W/kg  $0 \text{ dB} = 10.5 \text{ W/kg} = 10.21 \text{ dBW/kg}$

Test Plot 6#: PTT_FM 12.5kHz_Body Back_469.9875 MHz**DUT: DMR Handheld Two Way Radio; Type: HYDX-D25; Serial: 18040400321**

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

Medium parameters used: $f = 469.988$ MHz; $\sigma = 0.925$ S/m; $\epsilon_r = 57.663$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 9.47 W/kg

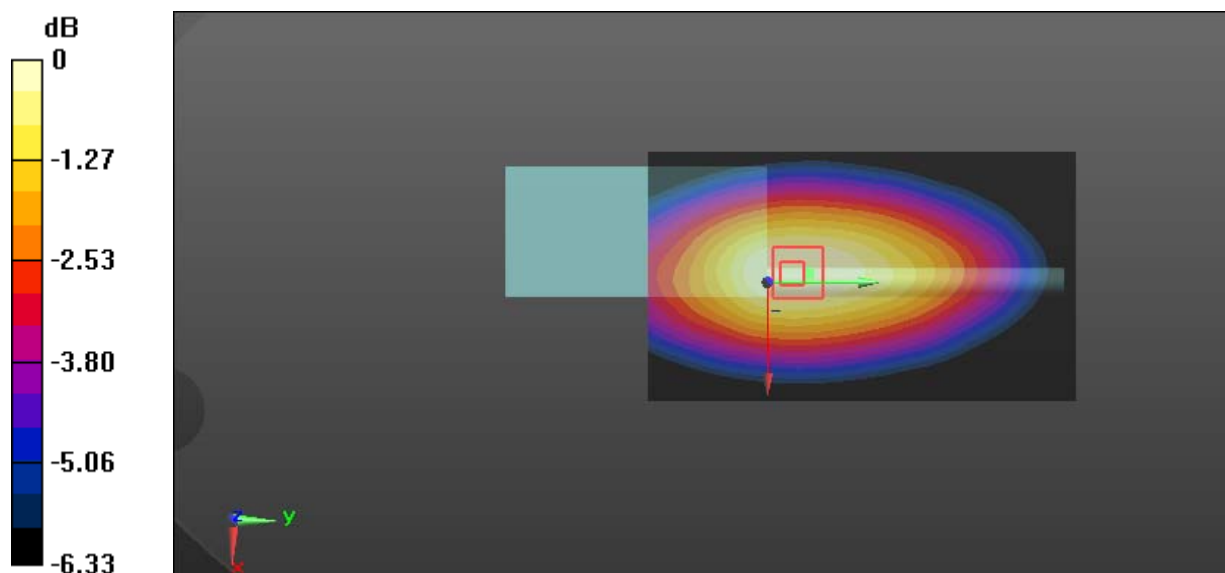
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 90.32 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 10.5 W/kg

SAR(1 g) = 7.64 W/kg; SAR(10 g) = 6.04 W/kg

Maximum value of SAR (measured) = 9.34 W/kg



0 dB = 9.34 W/kg = 9.70 dBW/kg

Test Plot 7#:Procedure Name: 400.012 -4FSK**DUT: DMR Handheld Two Way Radio; Type: HYDX-D25; Serial: 17112300721**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.881$ S/m; $\epsilon_r = 44.171$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 5.11 W/kg

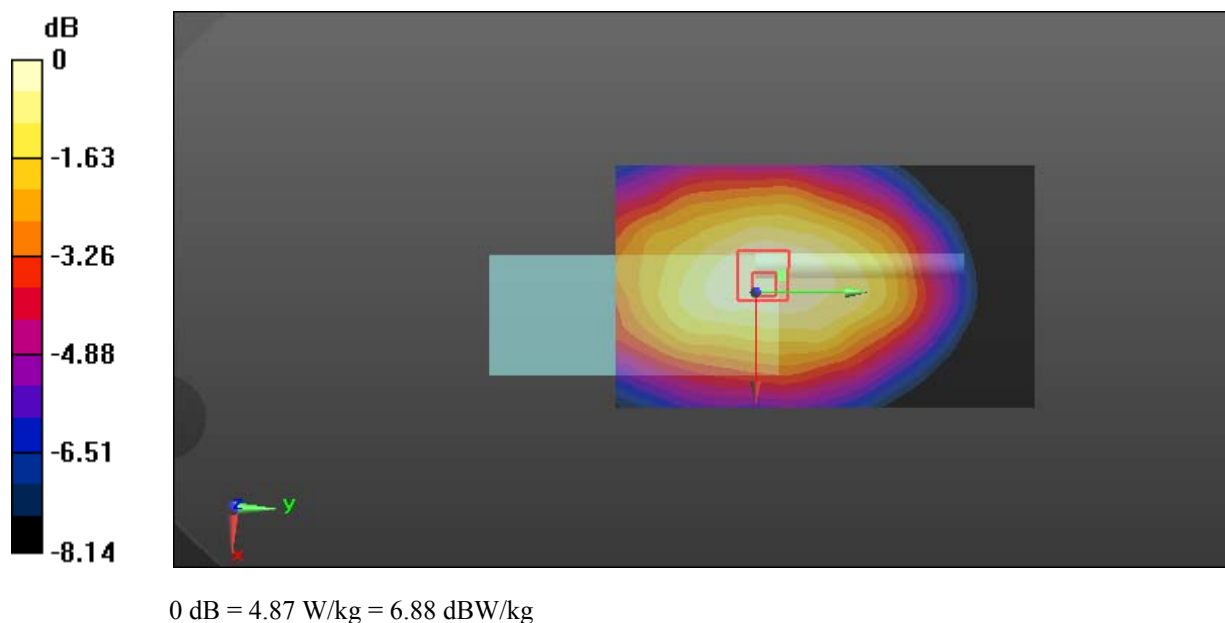
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 66.72 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 5.66 W/kg

SAR(1 g) = 3.84 W/kg; SAR(10 g) = 2.88 W/kg

Maximum value of SAR (measured) = 4.87 W/kg



Test Plot 8#:Procedure Name: 400.012MHz-4FSK**DUT: DMR Handheld Two Way Radio; Type: HYDX-D25; Serial: 17112300721**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.942$ S/m; $\epsilon_r = 57.71$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 7.81 W/kg

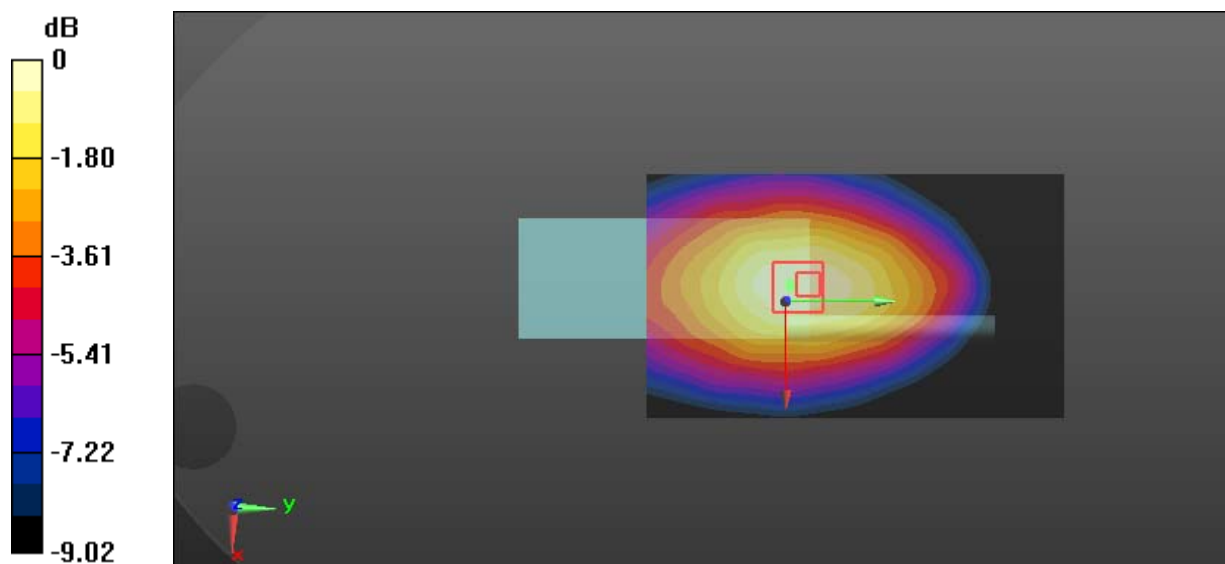
/Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 79.61 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 9.18 W/kg

SAR(1 g) = 6.03 W/kg; SAR(10 g) = 4.39 W/kg

Maximum value of SAR (measured) = 7.86 W/kg



0 dB = 7.86 W/kg = 8.95 dBW/kg