

Test Plot 1#: PTT_FM 12.5kHz_Face Up_417.0125 MHz**DUT: Digital Portable Radio, UHF DMR; Type: Z9 U(1); Serial: 321190070003**

Communication System: FM; Frequency: 417.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 417.512$ MHz; $\sigma = 0.856$ S/m; $\epsilon_r = 44.702$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.18, 7.18, 7.18); Calibrated: 2018/8/20;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.50 W/kg

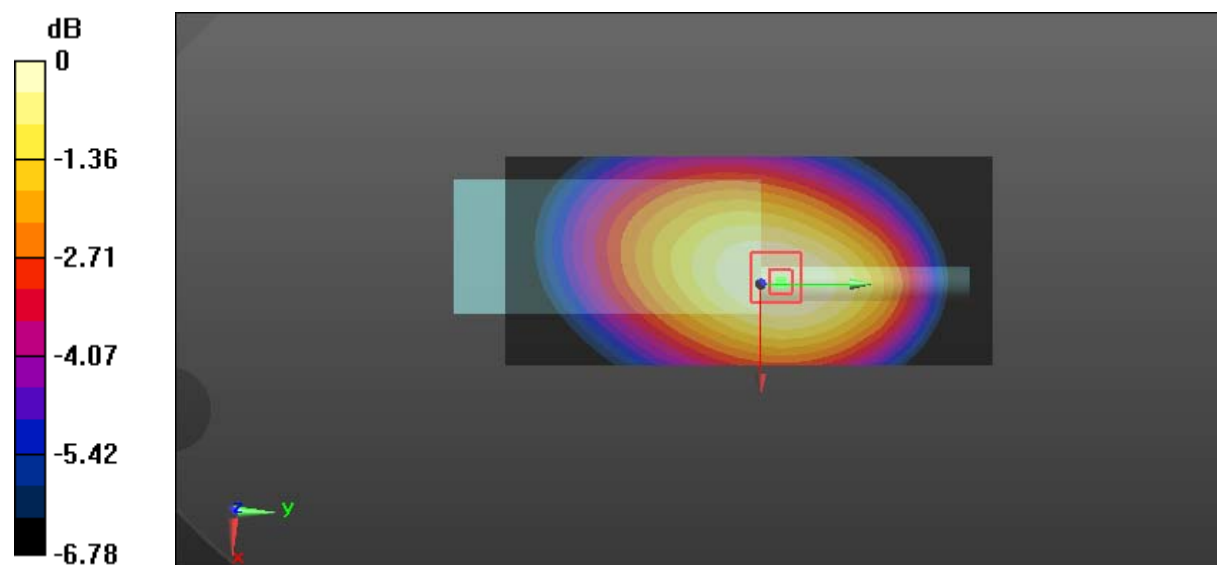
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 88.13 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 7.66 W/kg

SAR(1 g) = 6.05 W/kg; SAR(10 g) = 4.7 W/kg

Maximum value of SAR (measured) = 6.32 W/kg



0 dB = 6.32 W/kg = 8.01 dBW/kg

Test Plot 2#: PTT_4FSK 12.5kHz_Face Up_417.0125 MHz**DUT: Digital Portable Radio, UHF DMR; Type: Z9 U(1); Serial: 321190070003**

Communication System: 4FSK; Frequency: 417.512 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 417.512$ MHz; $\sigma = 0.856$ S/m; $\epsilon_r = 44.702$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.18, 7.18, 7.18); Calibrated: 2018/8/20;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x141x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

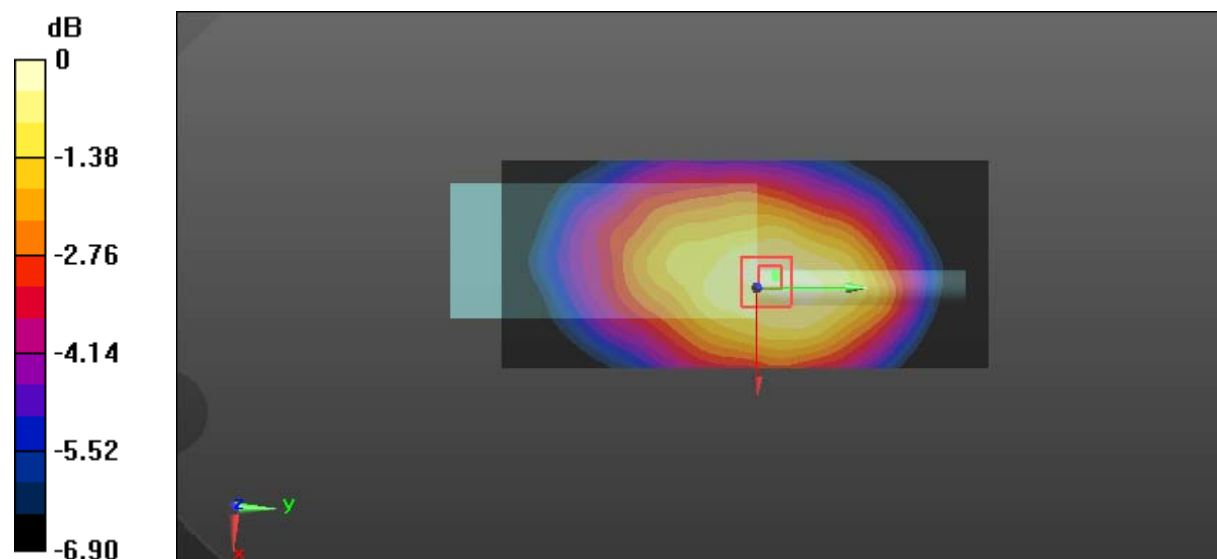
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 65.39 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 4.25 W/kg

SAR(1 g) = 3.34 W/kg; SAR(10 g) = 2.57 W/kg

Maximum value of SAR (measured) = 3.65 W/kg



0 dB = 3.65 W/kg = 5.62 dBW/kg

Test Plot 3#: PTT_FM 12.5kHz_Body Back_400.0125 MHz**DUT: Digital Portable Radio, UHF DMR; Type: Z9 U(1); Serial: 321190070003**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.938$ S/m; $\epsilon_r = 57.159$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.1, 7.1, 7.1); Calibrated: 2018/8/20;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x141x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 6.73 W/kg

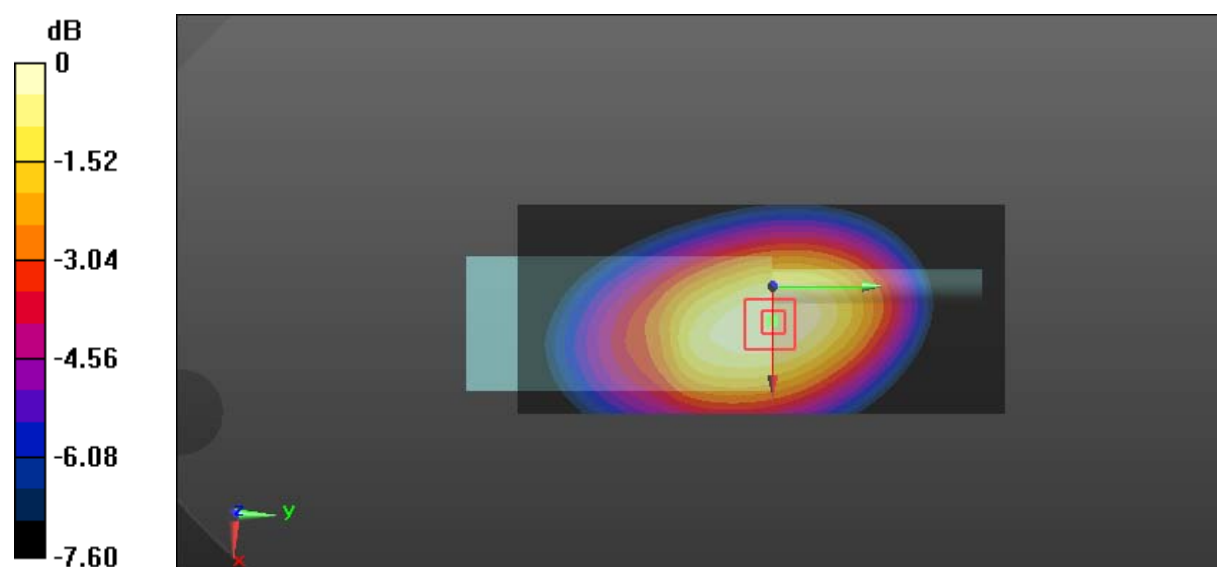
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 78.21 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 8.51 W/kg

SAR(1 g) = 6.35 W/kg; SAR(10 g) = 4.7 W/kg

Maximum value of SAR (measured) = 6.68 W/kg



0 dB = 6.68 W/kg = 8.25 dBW/kg

Test Plot 4#: PTT_FM 12.5kHz_Body Back_417.5125 MHz**DUT: Digital Portable Radio, UHF DMR; Type: Z9 U(1); Serial: 321190070003**

Communication System: FM; Frequency: 417.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 417.512$ MHz; $\sigma = 0.947$ S/m; $\epsilon_r = 57.143$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.1, 7.1, 7.1); Calibrated: 2018/8/20;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x141x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 8.73 W/kg

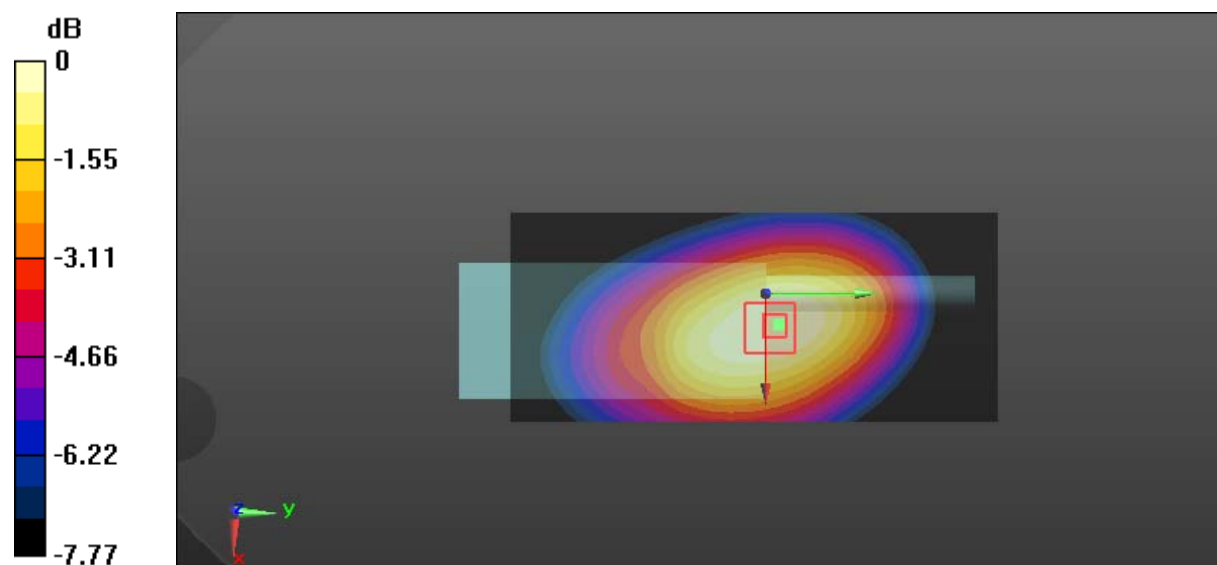
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 87.59 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 10.9 W/kg

SAR(1 g) = 8.06 W/kg; SAR(10 g) = 5.98 W/kg

Maximum value of SAR (measured) = 8.46 W/kg



0 dB = 8.46 W/kg = 9.27 dBW/kg

Test Plot 5#: PTT_FM 12.5kHz_Body Back_435.0125 MHz**DUT: Digital Portable Radio, UHF DMR; Type: Z9 U(1); Serial: 321190070003**

Communication System: FM; Frequency: 435.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 435.012$ MHz; $\sigma = 0.951$ S/m; $\epsilon_r = 57.137$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.1, 7.1, 7.1); Calibrated: 2018/8/20;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.09 W/kg

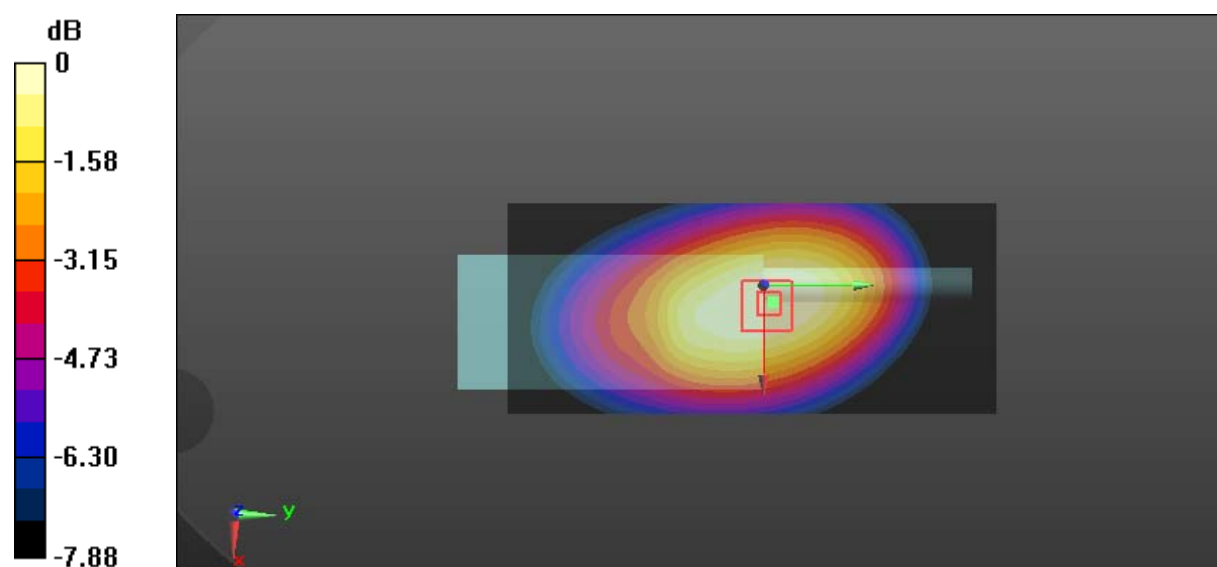
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 78.82 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 7.45 W/kg

SAR(1 g) = 5.52 W/kg; SAR(10 g) = 4.09 W/kg

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



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

Test Plot 6#: PTT_FM 12.5kHz_Body Back_452.4875 MHz**DUT: Digital Portable Radio, UHF DMR; Type: Z9 U(1); Serial: 321190070003**

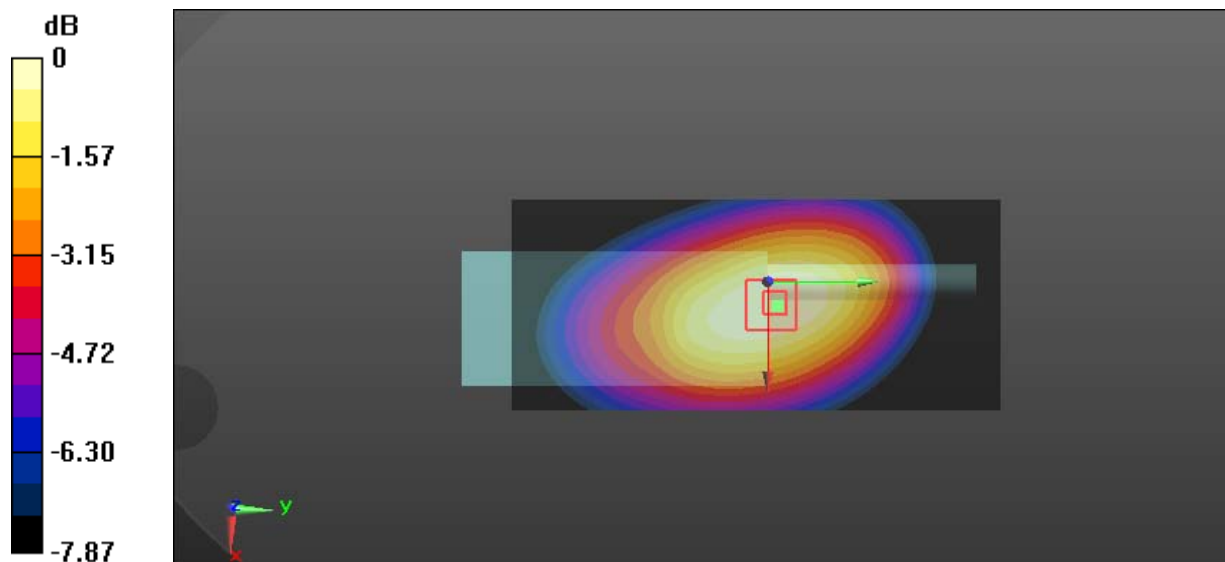
Communication System: FM; Frequency: 452.488 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 452.488 \text{ MHz}$; $\sigma = 0.973 \text{ S/m}$; $\epsilon_r = 57.116$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.1, 7.1, 7.1); Calibrated: 2018/8/20;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.02 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 62.96 V/m ; Power Drift = -0.16 dB Peak SAR (extrapolated) = 5.06 W/kg **SAR(1 g) = 3.74 W/kg ; SAR(10 g) = 2.77 W/kg** Maximum value of SAR (measured) = 3.93 W/kg  $0 \text{ dB} = 3.93 \text{ W/kg} = 5.94 \text{ dBW/kg}$

Test Plot 7#: PTT_FM 12.5kHz_Body Back_469.9875 MHz**DUT: Digital Portable Radio, UHF DMR; Type: Z9 U(1); Serial: 321190070003**

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

Medium parameters used: $f = 469.988$ MHz; $\sigma = 0.981$ S/m; $\epsilon_r = 57.104$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.1, 7.1, 7.1); Calibrated: 2018/8/20;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.59 W/kg

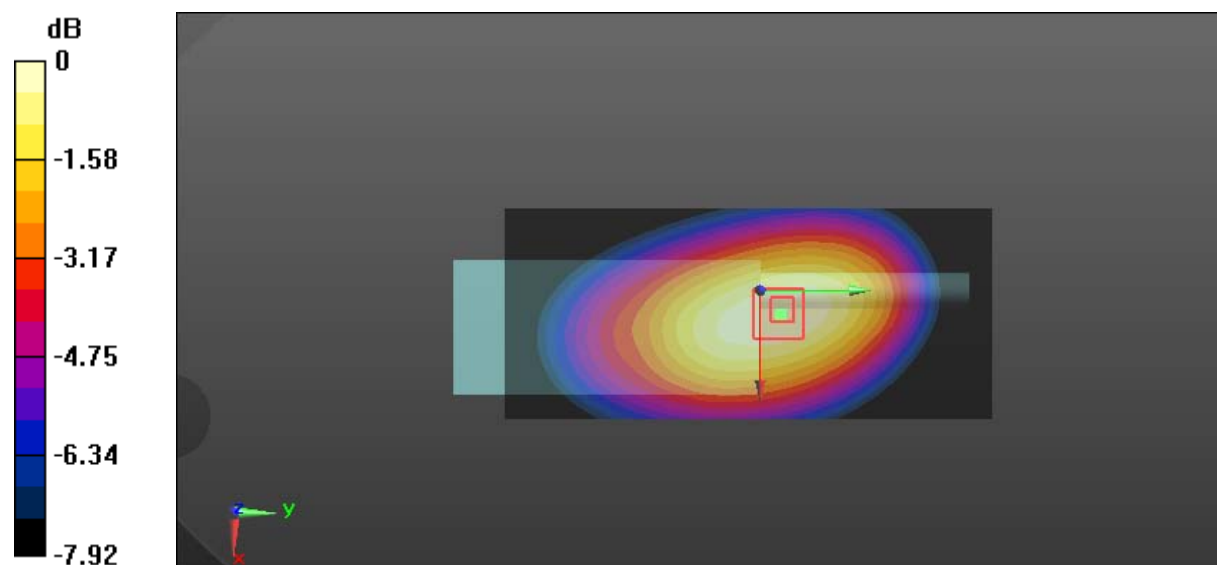
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 56.76 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 4.64 W/kg

SAR(1 g) = 3.4 W/kg; SAR(10 g) = 2.5 W/kg

Maximum value of SAR (measured) = 3.58 W/kg



0 dB = 3.58 W/kg = 5.54 dBW/kg

Test Plot 8#: PTT_4FSK 12.5kHz_Body Back_417.0125 MHz**DUT: Digital Portable Radio, UHF DMR; Type: Z9 U(1); Serial: 321190070003**

Communication System: 4FSK; Frequency: 417.512 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 417.512$ MHz; $\sigma = 0.947$ S/m; $\epsilon_r = 57.143$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.1, 7.1, 7.1); Calibrated: 2018/8/20;
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.48 W/kg

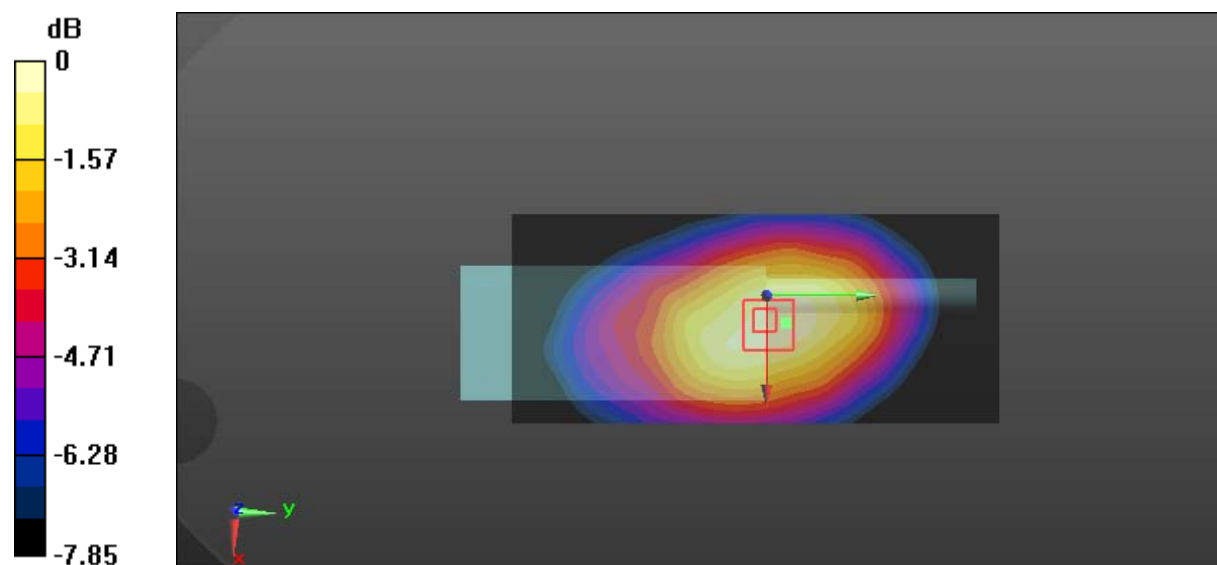
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 65.06 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 6.20 W/kg

SAR(1 g) = 4.13 W/kg; SAR(10 g) = 3.01 W/kg

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



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