

Plot 1#:FM 12.5kHz_435MH_Face Up**DUT: Digital Portable Radio; Type: UDR-400; Serial: CR22050060-SA-S1**

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

Medium parameters used (interpolated): $f = 435$ MHz; $\sigma = 0.872$ S/m; $\epsilon_r = 43.485$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 435 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.86 W/kg

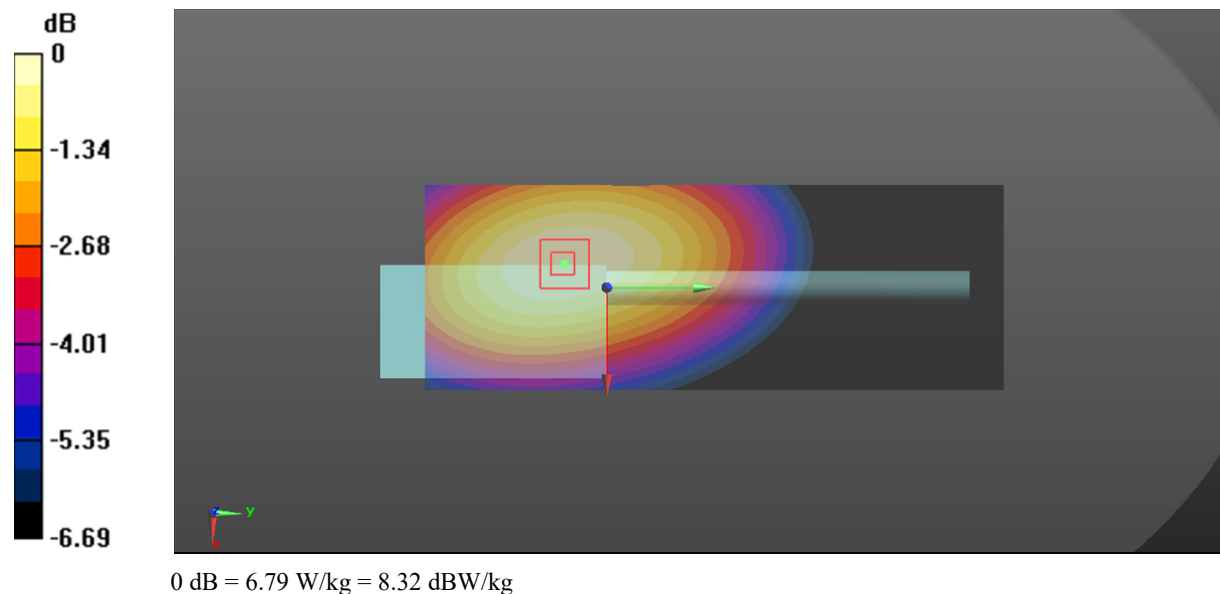
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.29 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 8.27 W/kg

SAR(1 g) = 6.47 W/kg; SAR(10 g) = 5 W/kg

Maximum value of SAR (measured) = 6.79 W/kg



Plot 2#: 4FSK_435MHz_Face Up**DUT: Digital Portable Radio; Type: UDR-400; Serial: CR22050060-SA-S1**

Communication System: 4FSK; Frequency: 435 MHz; Duty Cycle: 1:2

Medium parameters used (interpolated): $f = 435$ MHz; $\sigma = 0.872$ S/m; $\epsilon_r = 43.485$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 435 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.50 W/kg

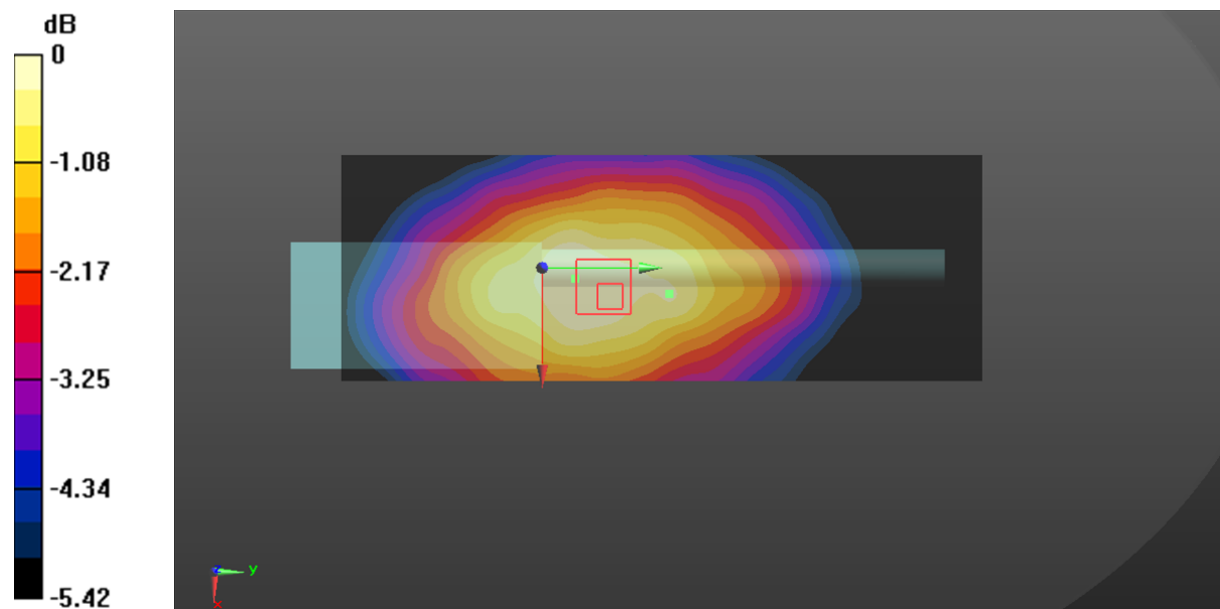
Zoom Scan (6x6x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 68.75 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 5.47 W/kg

SAR(1 g) = 4.18 W/kg; SAR(10 g) = 3.33 W/kg

Maximum value of SAR (measured) = 4.37 W/kg



0 dB = 4.37 W/kg = 6.40 dBW/kg

Plot 3#: FM 12.5kHz_400.0125MHz_Body Back**DUT: Digital Portable Radio; Type: UDR-400; Serial: CR22050060-SA-S1**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.854$ S/m; $\epsilon_r = 44.652$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.30 W/kg

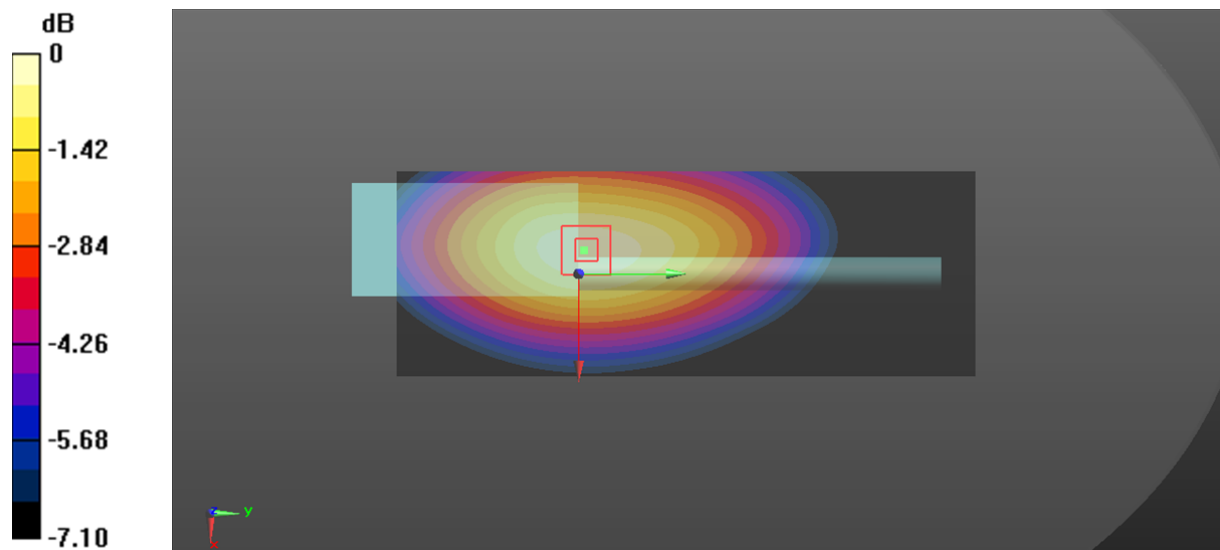
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 94.47 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 10.7 W/kg

SAR(1 g) = 8.16 W/kg; SAR(10 g) = 6.16 W/kg

Maximum value of SAR (measured) = 8.58 W/kg



0 dB = 8.58 W/kg = 9.33 dBW/kg

Plot 4#: FM 12.5kHz_417.5125MHz_Body Back**DUT: Digital Portable Radio; Type: UDR-400; Serial: CR22050060-SA-S1**

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

Medium parameters used (interpolated): $f = 417.512$ MHz; $\sigma = 0.863$ S/m; $\epsilon_r = 43.852$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 417.512 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 11.4 W/kg

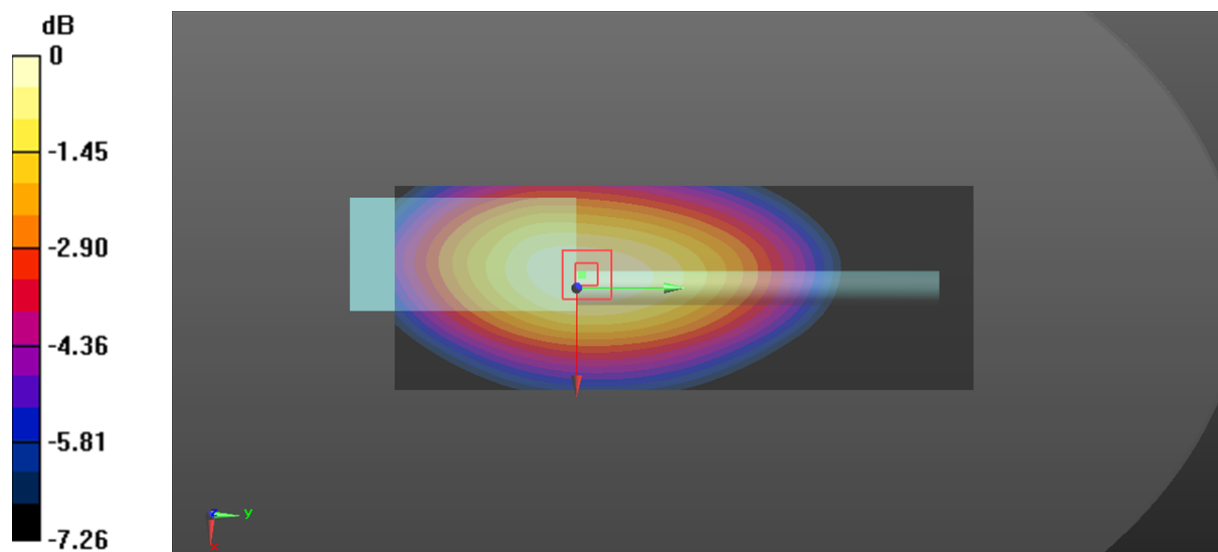
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 114.5 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 14.3 W/kg

SAR(1 g) = 10.6 W/kg; SAR(10 g) = 8.14 W/kg

Maximum value of SAR (measured) = 11.4 W/kg



0 dB = 11.4 W/kg = 10.57 dBW/kg

Plot 5#: FM 12.5kHz_435MHz_Body Back**DUT: Digital Portable Radio; Type: UDR-400; Serial: CR22050060-SA-S1**

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

Medium parameters used (interpolated): $f = 435$ MHz; $\sigma = 0.872$ S/m; $\epsilon_r = 43.485$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 435 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

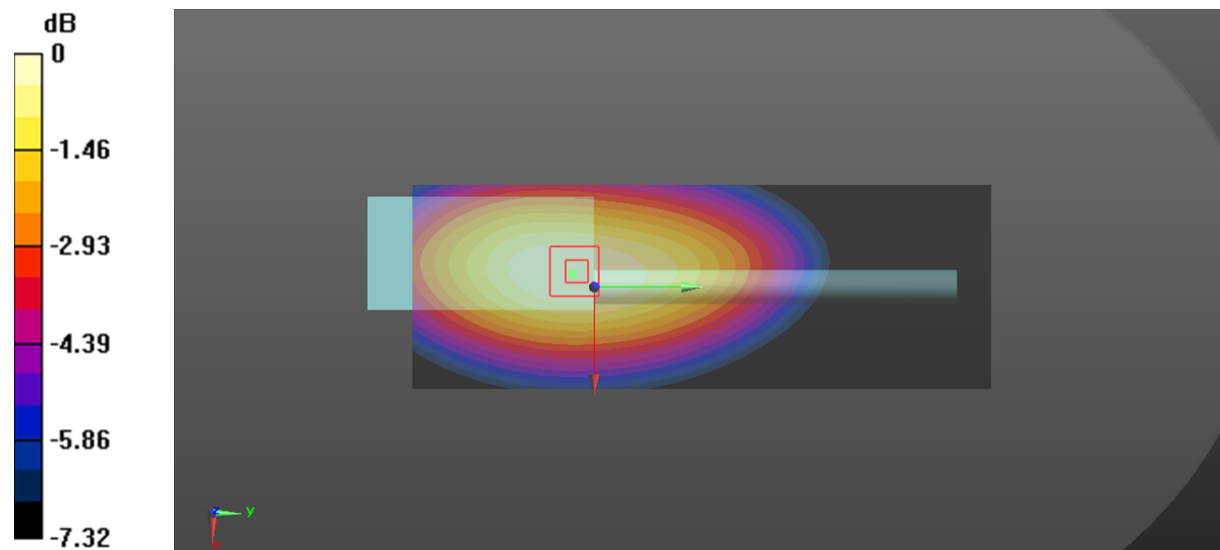
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 117.8 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 15.1 W/kg

SAR(1 g) = 11.4 W/kg; SAR(10 g) = 8.56 W/kg

Maximum value of SAR (measured) = 12.0 W/kg



0 dB = 12.0 W/kg = 10.79 dBW/kg

Plot 6#: FM 12.5kHz_452.4875MHz_Body Back**DUT: Digital Portable Radio; Type: UDR-400; Serial: CR22050060-SA-S1**

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

Medium parameters used (interpolated): $f = 452.488$ MHz; $\sigma = 0.884$ S/m; $\epsilon_r = 42.654$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 452.488 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

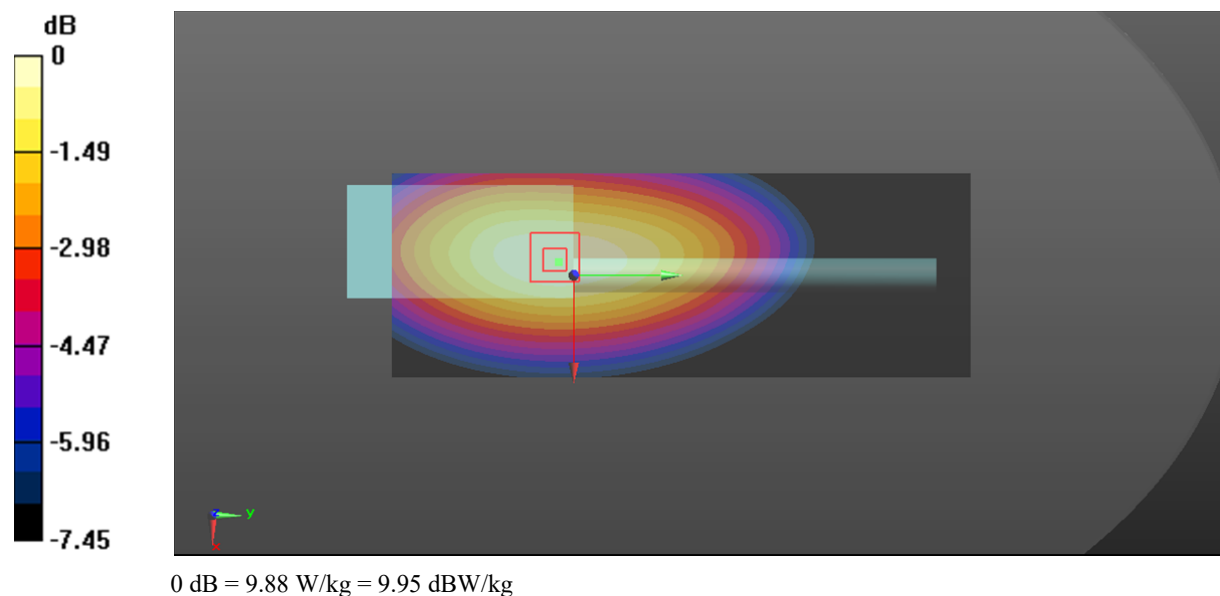
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 103.0 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 9.4 W/kg; SAR(10 g) = 7.01 W/kg

Maximum value of SAR (measured) = 9.88 W/kg



Plot 7#: FM 12.5kHz_469.9875MHz_Body Back**DUT: Digital Portable Radio; Type: UDR-400; Serial: CR22050060-SA-S1**

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

Medium parameters used (interpolated): $f = 469.988$ MHz; $\sigma = 0.889$ S/m; $\epsilon_r = 42.215$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 469.988 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

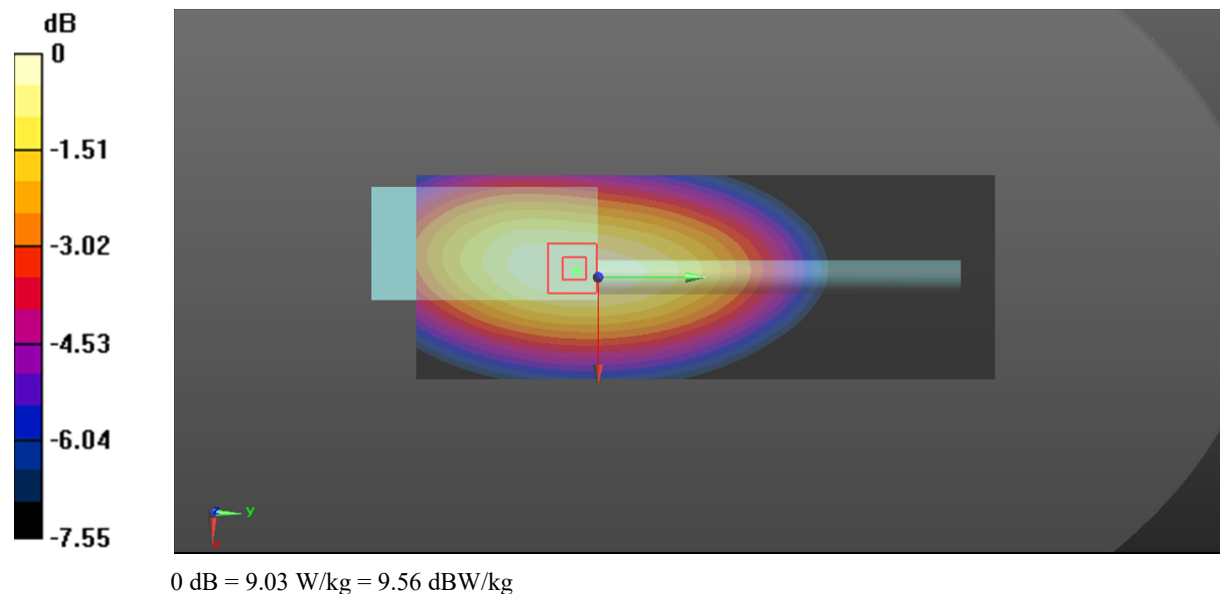
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 99.40 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 11.4 W/kg

SAR(1 g) = 8.57 W/kg; SAR(10 g) = 6.36 W/kg

Maximum value of SAR (measured) = 9.03 W/kg



Plot 8#: 4FSK_435MHz_Body Back**DUT: Digital Portable Radio; Type: UDR-400; Serial: CR22050060-SA-S1**

Communication System: 4FSK; Frequency: 435 MHz; Duty Cycle: 1:2

Medium parameters used (interpolated): $f = 435$ MHz; $\sigma = 0.872$ S/m; $\epsilon_r = 43.485$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 435 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.28 W/kg

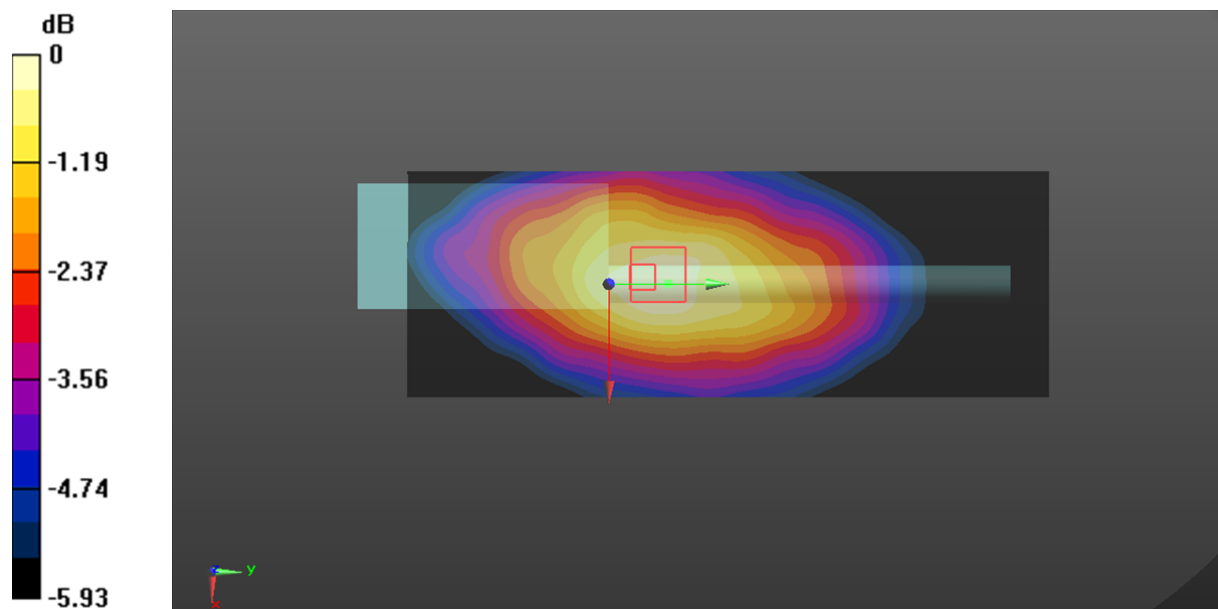
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.45 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 9.15 W/kg

SAR(1 g) = 6.81 W/kg; SAR(10 g) = 5.17 W/kg

Maximum value of SAR (measured) = 7.15 W/kg



0 dB = 7.15 W/kg = 8.54 dBW/kg