

Test Plot 1#: PTT_FM 12.5kHz_Face Up_400.0125 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.846$ S/m; $\epsilon_r = 44.719$; $\rho = 1000$ 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) = 4.16 W/kg

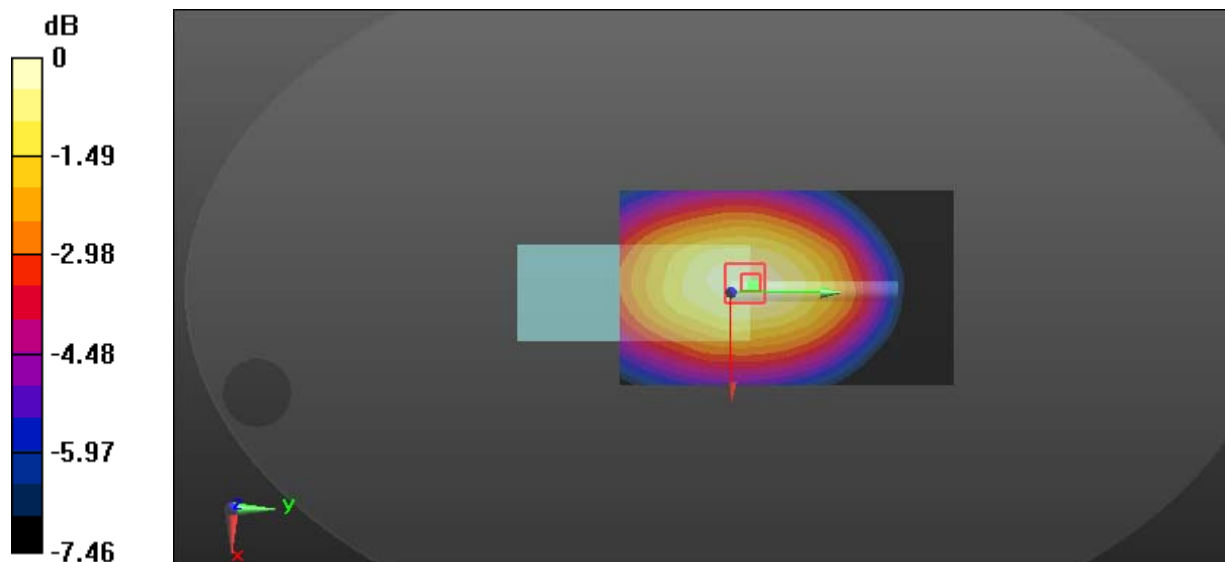
Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 61.80 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 4.79 W/kg

SAR(1 g) = 3.44 W/kg; SAR(10 g) = 2.61 W/kg

Maximum value of SAR (measured) = 4.28 W/kg



0 dB = 4.28 W/kg = 6.31 dBW/kg

Test Plot 2#: PTT_FM 12.5kHz_Face Up_417 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

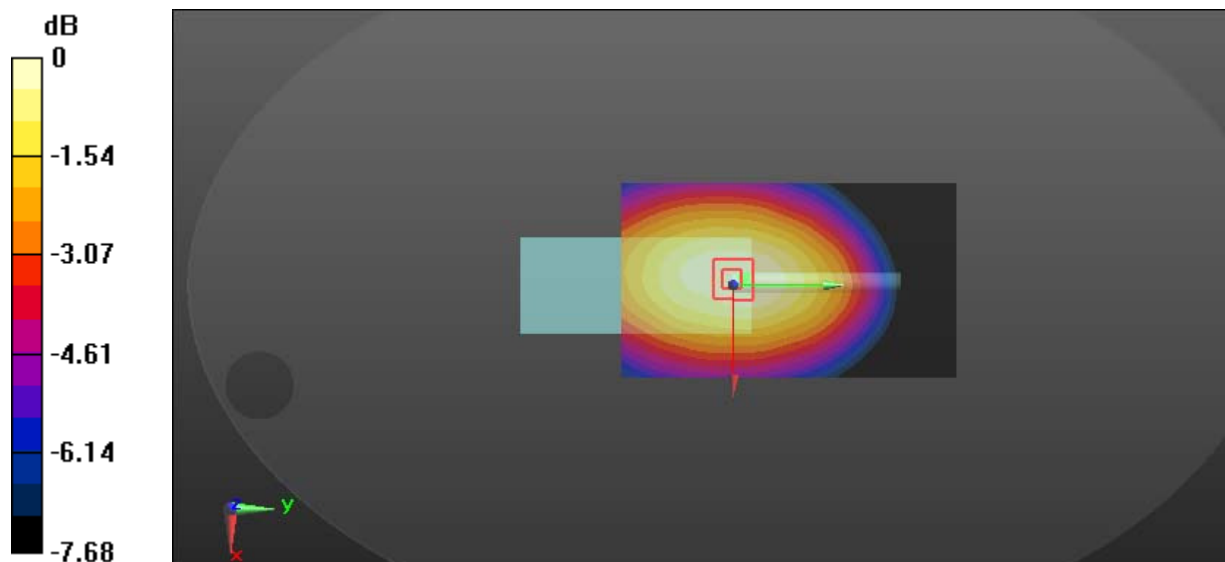
Communication System: FM; Frequency: 417 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 417 \text{ MHz}$; $\sigma = 0.849 \text{ S/m}$; $\epsilon_r = 44.702$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.07 W/kg **Zoom Scan (5x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 89.31 V/m ; Power Drift = 0.03 dB Peak SAR (extrapolated) = 8.82 W/kg **SAR(1 g) = 6.36 W/kg ; SAR(10 g) = 4.8 W/kg** Maximum value of SAR (measured) = 7.91 W/kg  $0 \text{ dB} = 7.91 \text{ W/kg} = 8.98 \text{ dBW/kg}$

Test Plot 3#: PTT_FM 12.5kHz_Face Up_435 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

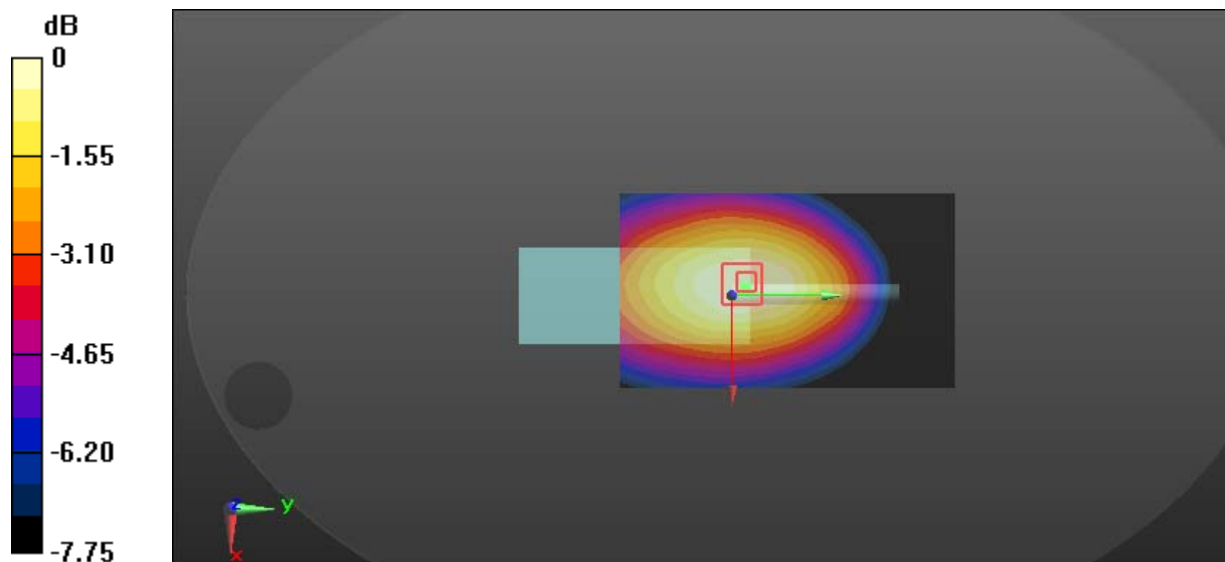
Communication System: FM; Frequency: 435 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 435 \text{ MHz}$; $\sigma = 0.851 \text{ S/m}$; $\epsilon_r = 44.661$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 9.49 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 95.94 V/m ; Power Drift = -0.10 dB Peak SAR (extrapolated) = 10.9 W/kg **SAR(1 g) = 7.36 W/kg ; SAR(10 g) = 5.44 W/kg** Maximum value of SAR (measured) = 9.46 W/kg  $0 \text{ dB} = 9.46 \text{ W/kg} = 9.76 \text{ dBW/kg}$

Test Plot 4#: PTT_FM 12.5kHz_Face Up_452 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

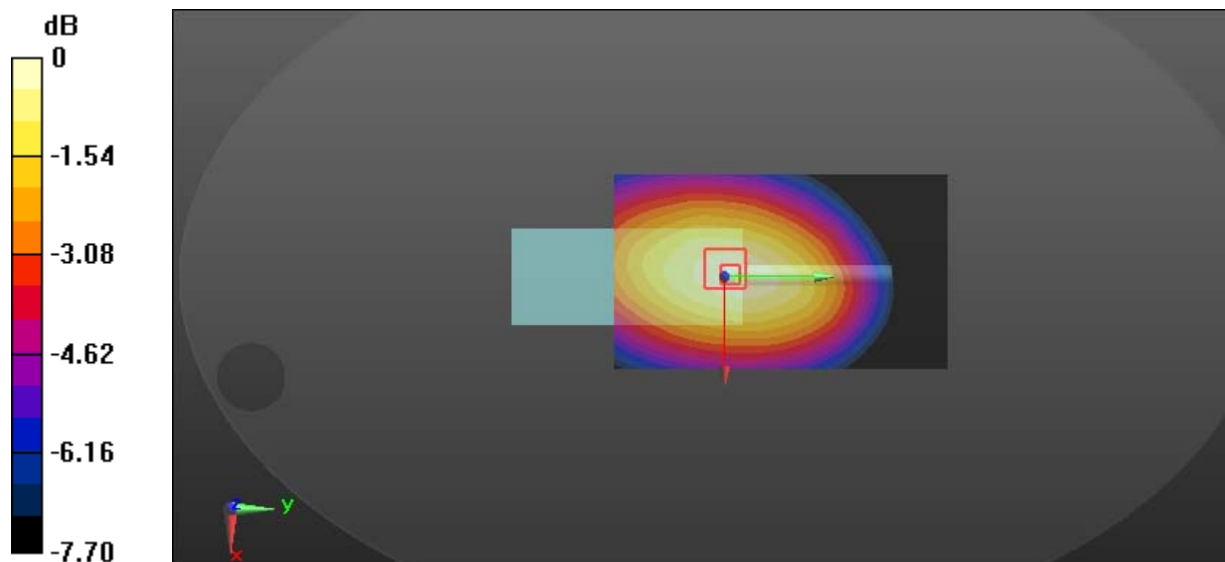
Communication System: FM; Frequency: 452 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 452 \text{ MHz}$; $\sigma = 0.856 \text{ S/m}$; $\epsilon_r = 44.51$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 5.78 W/kg **Zoom Scan (5x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 74.00 V/m ; Power Drift = -0.00 dB Peak SAR (extrapolated) = 6.74 W/kg **SAR(1 g) = 4.8 W/kg ; SAR(10 g) = 3.64 W/kg** Maximum value of SAR (measured) = 6.02 W/kg  $0 \text{ dB} = 6.02 \text{ W/kg} = 7.80 \text{ dBW/kg}$

Test Plot 5#: PTT_FM 12.5kHz_Face Up_469.9875 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

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

Medium parameters used: $f = 469.988$ MHz; $\sigma = 0.864$ S/m; $\epsilon_r = 43.875$; $\rho = 1000$ 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) = 6.33 W/kg

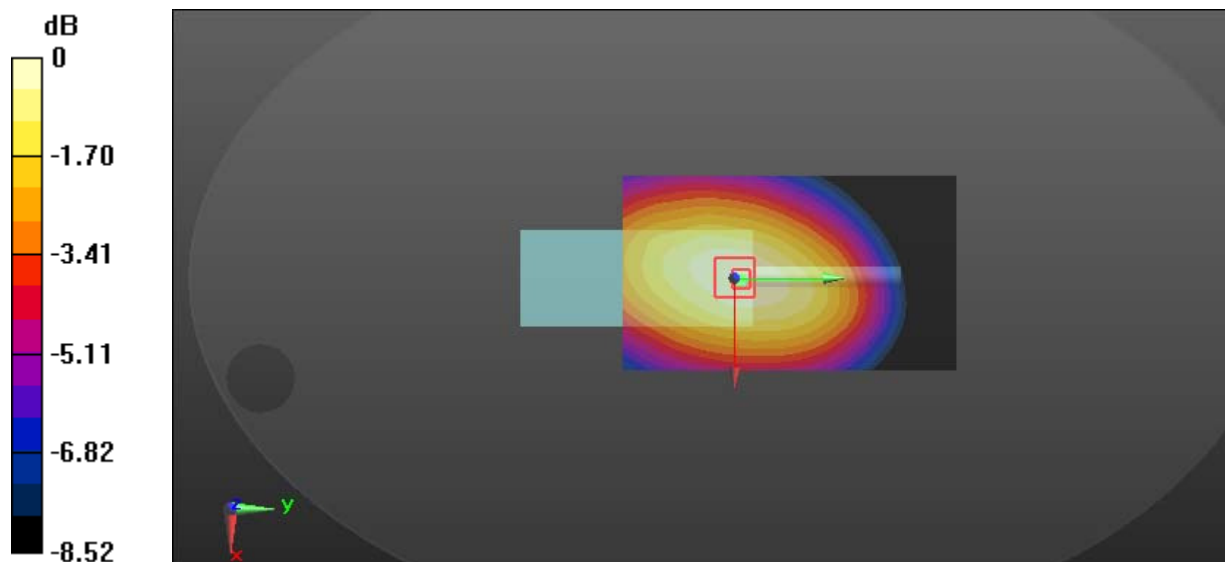
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 77.69 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 7.13 W/kg

SAR(1 g) = 5.03 W/kg; SAR(10 g) = 3.79 W/kg

Maximum value of SAR (measured) = 6.36 W/kg



0 dB = 6.36 W/kg = 8.03 dBW/kg

Test Plot 6#: PTT_FM 25kHz_Face Up_400.0125 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.846$ S/m; $\epsilon_r = 44.719$; $\rho = 1000$ 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) = 3.95 W/kg

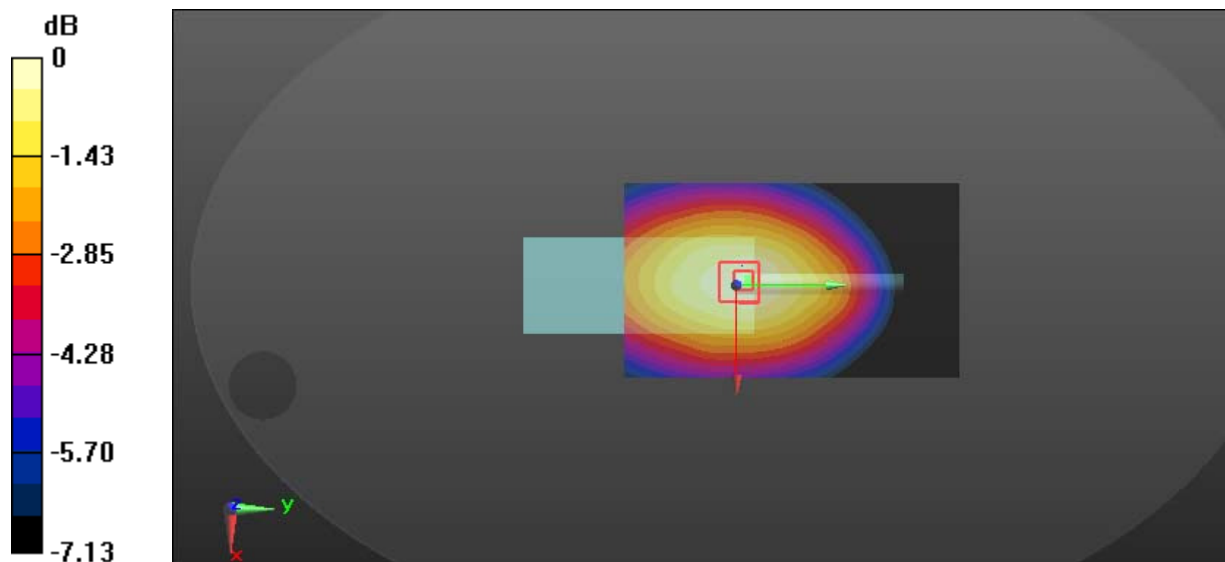
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 65.15 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 4.42 W/kg

SAR(1 g) = 3.22 W/kg; SAR(10 g) = 2.45 W/kg

Maximum value of SAR (measured) = 3.97 W/kg



0 dB = 3.97 W/kg = 5.99 dBW/kg

Test Plot 7#: PTT_FM 25kHz_Face Up_417 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

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

Medium parameters used: $f = 417$ MHz; $\sigma = 0.849$ S/m; $\epsilon_r = 44.702$; $\rho = 1000$ 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) = 7.65 W/kg

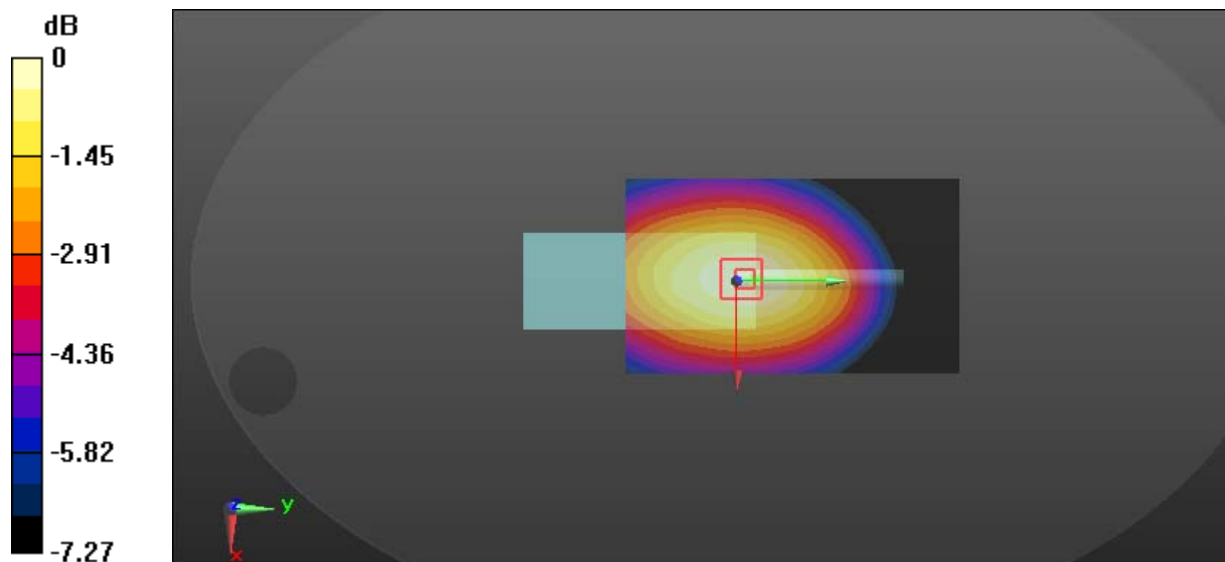
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 91.27 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 8.56 W/kg

SAR(1 g) = 6.21 W/kg; SAR(10 g) = 4.72 W/kg

Maximum value of SAR (measured) = 7.65 W/kg



0 dB = 7.65 W/kg = 8.84 dBW/kg

Test Plot 8#: PTT_FM 25kHz_Face Up_435 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

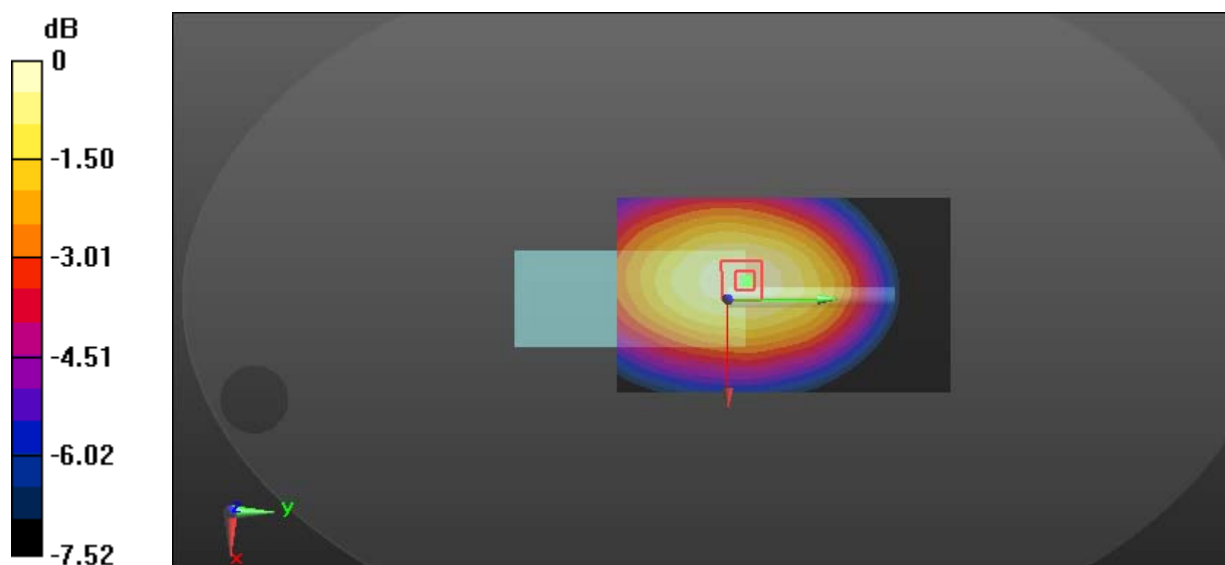
Communication System: FM; Frequency: 435 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 435 \text{ MHz}$; $\sigma = 0.851 \text{ S/m}$; $\epsilon_r = 44.661$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.66 W/kg **Zoom Scan (5x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 88.55 V/m ; Power Drift = 0.00 dB Peak SAR (extrapolated) = 9.75 W/kg **SAR(1 g) = 7.01 W/kg ; SAR(10 g) = 5.3 W/kg** Maximum value of SAR (measured) = 8.73 W/kg  $0 \text{ dB} = 8.73 \text{ W/kg} = 9.41 \text{ dBW/kg}$

Test Plot 9#: PTT_FM 25kHz_Face Up_452 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

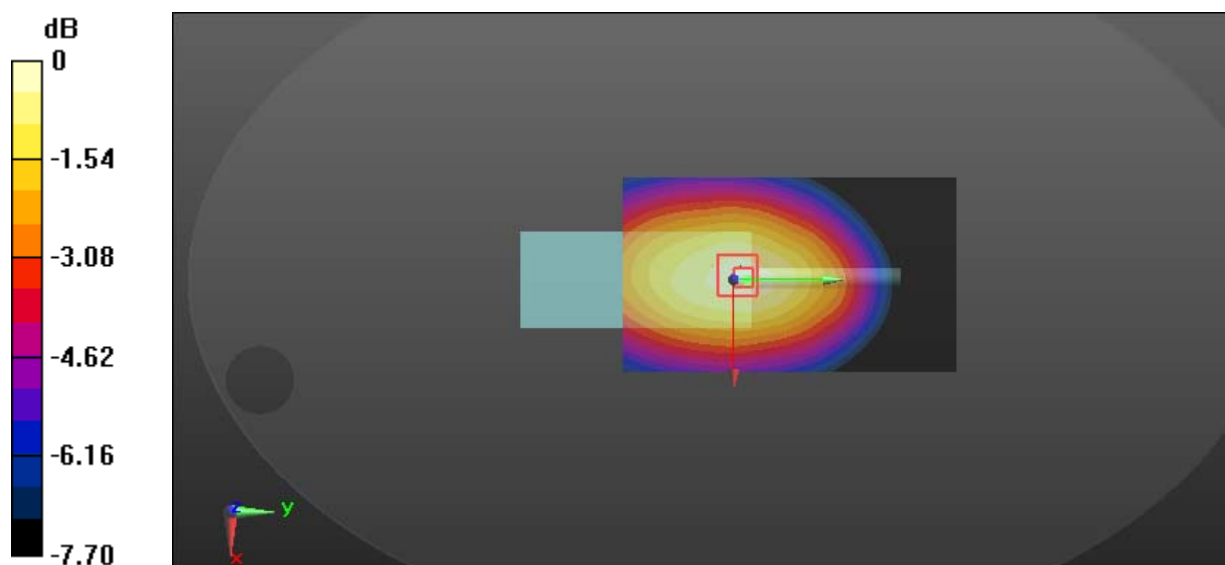
Communication System: FM; Frequency: 452 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 452 \text{ MHz}$; $\sigma = 0.856 \text{ S/m}$; $\epsilon_r = 44.51$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.07 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 76.41 V/m ; Power Drift = -0.06 dB Peak SAR (extrapolated) = 7.28 W/kg **SAR(1 g) = 5.09 W/kg ; SAR(10 g) = 3.83 W/kg** Maximum value of SAR (measured) = 6.45 W/kg  $0 \text{ dB} = 6.45 \text{ W/kg} = 8.10 \text{ dBW/kg}$

Test Plot 10#: PTT_FM 25kHz_Face Up_469.9875 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

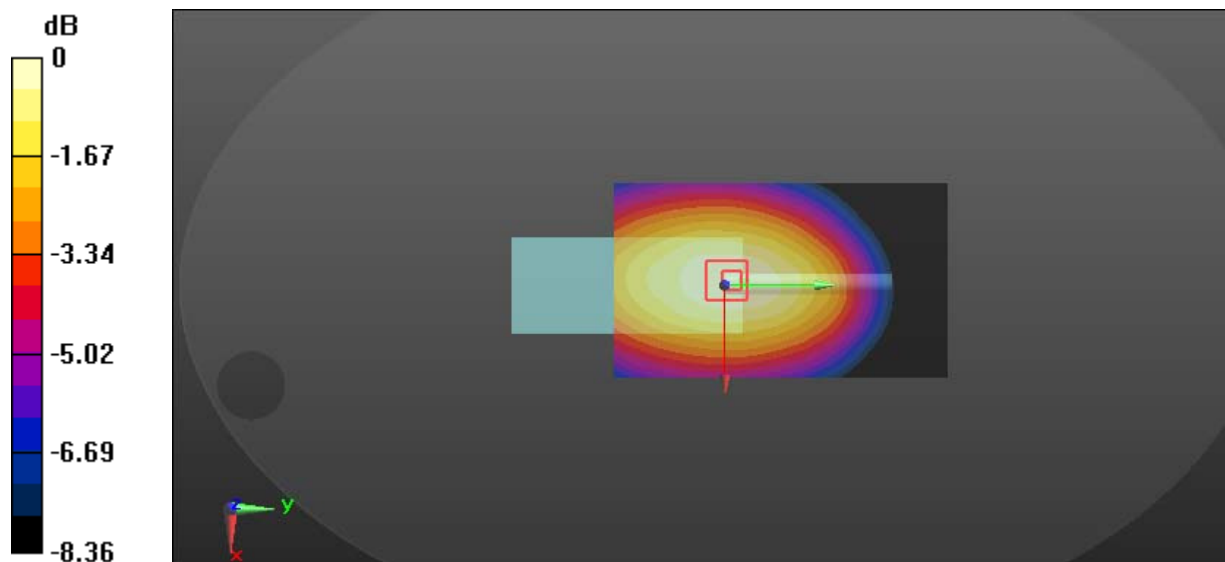
Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 469.988 \text{ MHz}$; $\sigma = 0.864 \text{ S/m}$; $\epsilon_r = 43.875$; $\rho = 1000 \text{ kg/m}^3$

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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.32 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 77.56 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 7.14 W/kg **SAR(1 g) = 5.12 W/kg ; SAR(10 g) = 3.88 W/kg** Maximum value of SAR (measured) = 6.35 W/kg  $0 \text{ dB} = 6.35 \text{ W/kg} = 8.03 \text{ dBW/kg}$

Test Plot 11#: PTT_4FSK 25kHz_Face Up_435 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

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

Medium parameters used: $f = 435$ MHz; $\sigma = 0.851$ S/m; $\epsilon_r = 44.661$; $\rho = 1000$ 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) = 4.10 W/kg

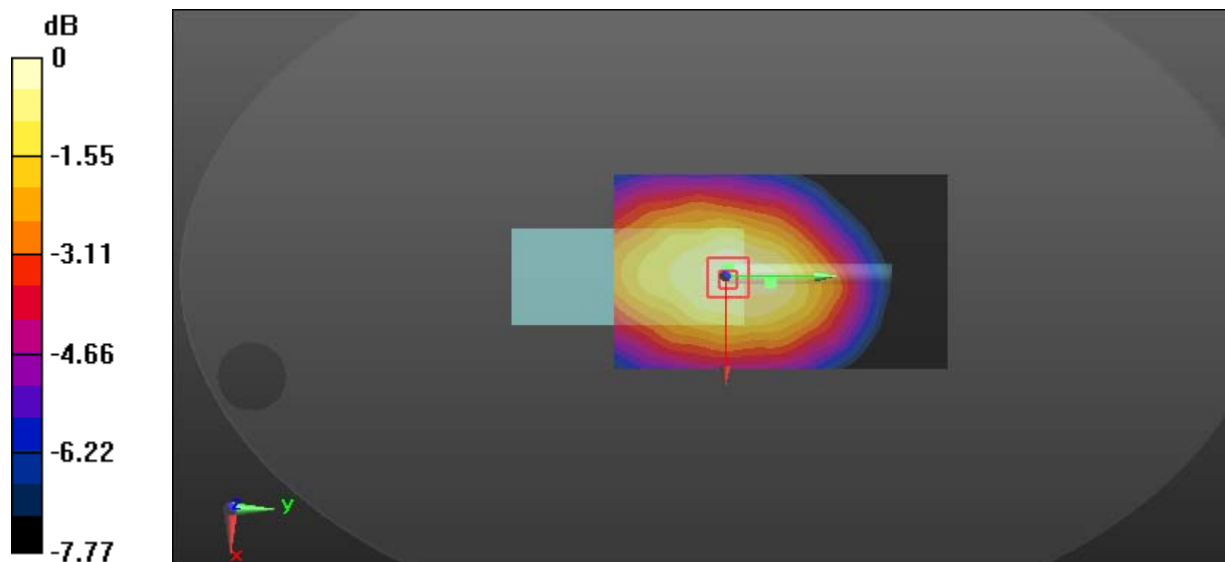
Zoom Scan (6x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 62.89 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 4.80 W/kg

SAR(1 g) = 3.3 W/kg; SAR(10 g) = 2.46 W/kg

Maximum value of SAR (measured) = 4.25 W/kg



Test Plot 12#: PTT_FM 12.5kHz_Body Back_400.0125 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.914$ S/m; $\epsilon_r = 57.741$; $\rho = 1000$ 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) = 7.83 W/kg

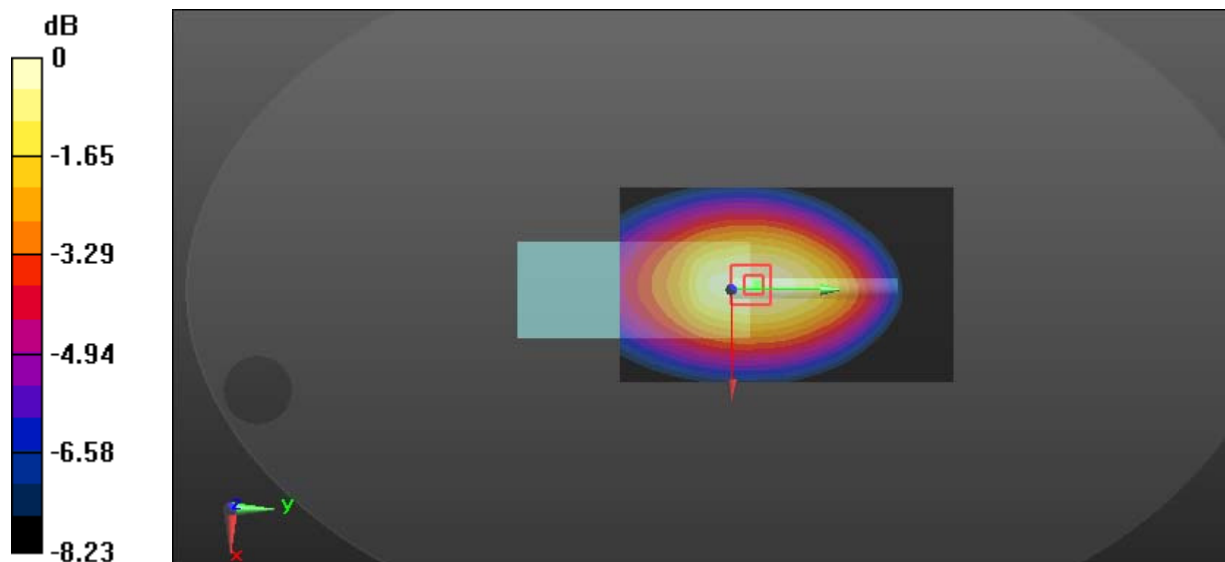
Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 80.90 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 9.08 W/kg

SAR(1 g) = 6.27 W/kg; SAR(10 g) = 4.62 W/kg

Maximum value of SAR (measured) = 7.99 W/kg



0 dB = 7.99 W/kg = 9.03 dBW/kg

Test Plot 13#: PTT_FM 12.5kHz_Body Back_417 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

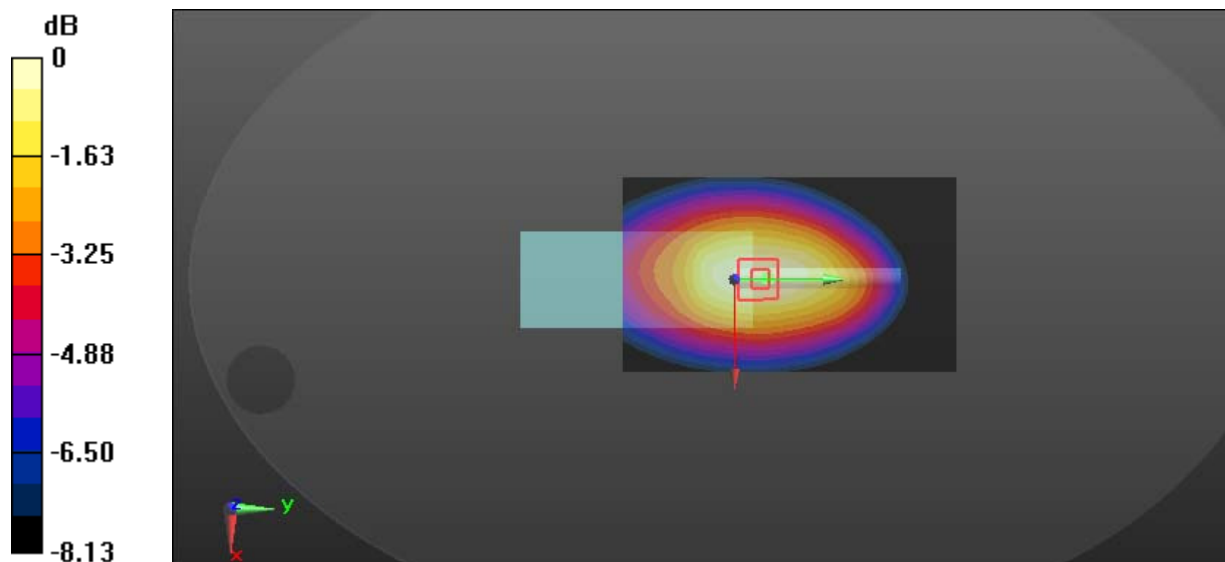
Communication System: FM; Frequency: 417 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 417 \text{ MHz}$; $\sigma = 0.915 \text{ S/m}$; $\epsilon_r = 57.641$; $\rho = 1000 \text{ kg/m}^3$

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) = 14.0 W/kg **Zoom Scan (5x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 109.7 V/m ; Power Drift = 0.01 dB Peak SAR (extrapolated) = 16.2 W/kg **SAR(1 g) = 11.2 W/kg ; SAR(10 g) = 8.18 W/kg** Maximum value of SAR (measured) = 14.2 W/kg  $0 \text{ dB} = 14.2 \text{ W/kg} = 11.52 \text{ dBW/kg}$

Test Plot 14#: PTT_FM 12.5kHz_Body Back_435 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

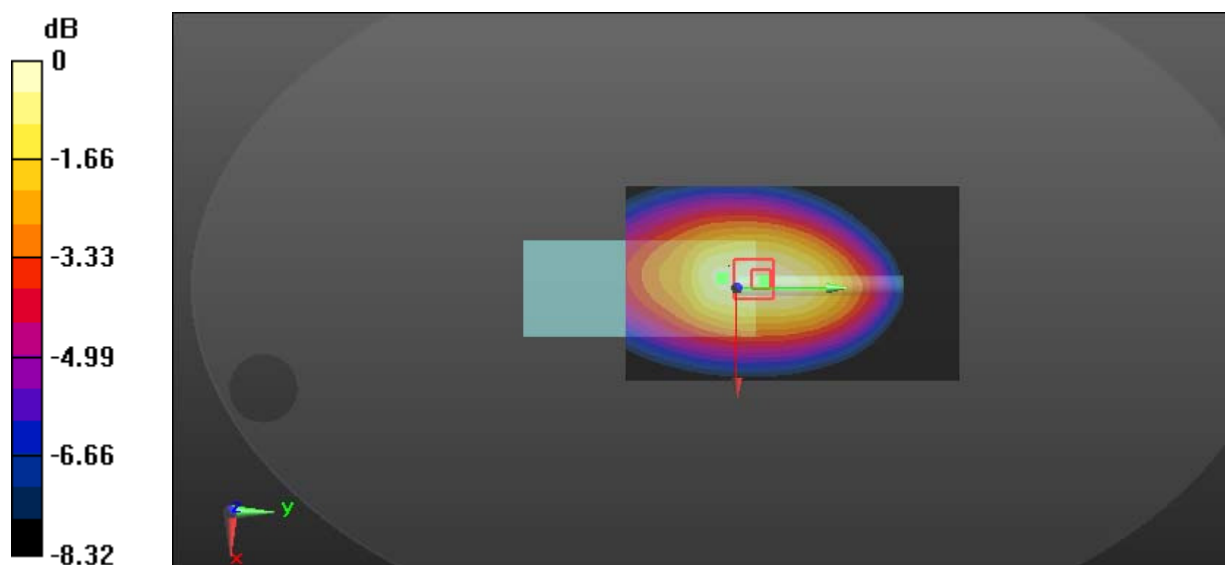
Communication System: FM; Frequency: 435 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 435 \text{ MHz}$; $\sigma = 0.921 \text{ S/m}$; $\epsilon_r = 57.54$; $\rho = 1000 \text{ kg/m}^3$

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) = 7.95 W/kg **Zoom Scan (5x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 81.03 V/m ; Power Drift = 0.01 dB Peak SAR (extrapolated) = 9.33 W/kg **SAR(1 g) = 6.52 W/kg ; SAR(10 g) = 4.79 W/kg** Maximum value of SAR (measured) = 8.26 W/kg  $0 \text{ dB} = 8.26 \text{ W/kg} = 9.17 \text{ dBW/kg}$

Test Plot 15#: PTT_FM 12.5kHz_Body Back_452 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

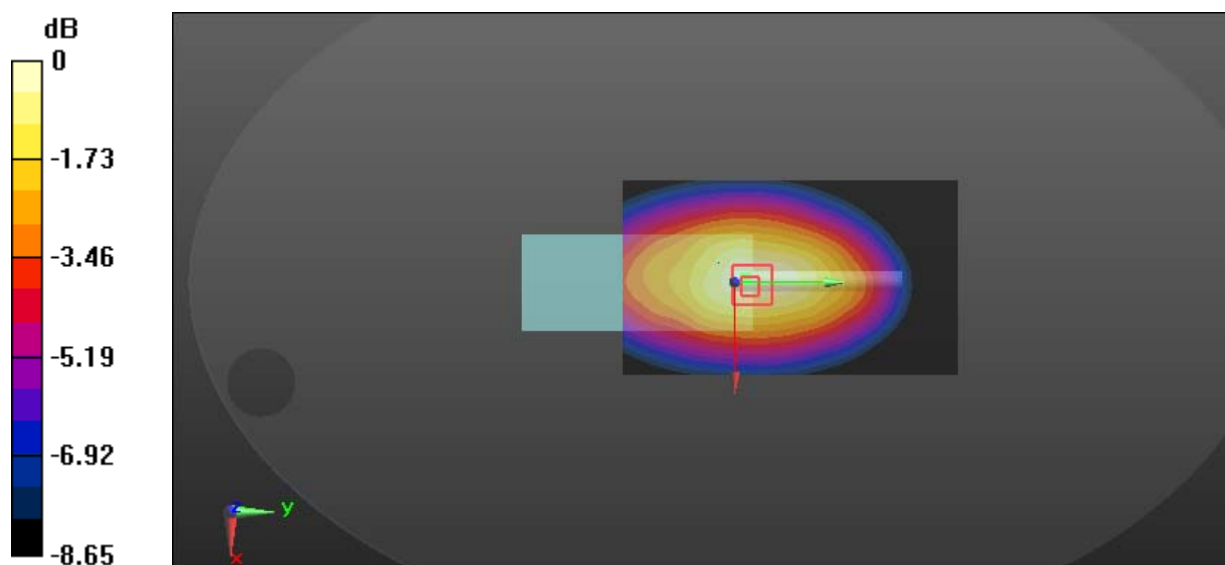
Communication System: FM; Frequency: 452 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 452 \text{ MHz}$; $\sigma = 0.925 \text{ S/m}$; $\epsilon_r = 57.389$; $\rho = 1000 \text{ kg/m}^3$

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) = 9.10 W/kg **Zoom Scan (5x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 85.07 V/m ; Power Drift = 0.06 dB Peak SAR (extrapolated) = 11.1 W/kg **SAR(1 g) = 7.29 W/kg ; SAR(10 g) = 5.29 W/kg** Maximum value of SAR (measured) = 9.41 W/kg  $0 \text{ dB} = 9.41 \text{ W/kg} = 9.74 \text{ dBW/kg}$

Test Plot 16#: PTT_FM 12.5kHz_Body Back_469.9875 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

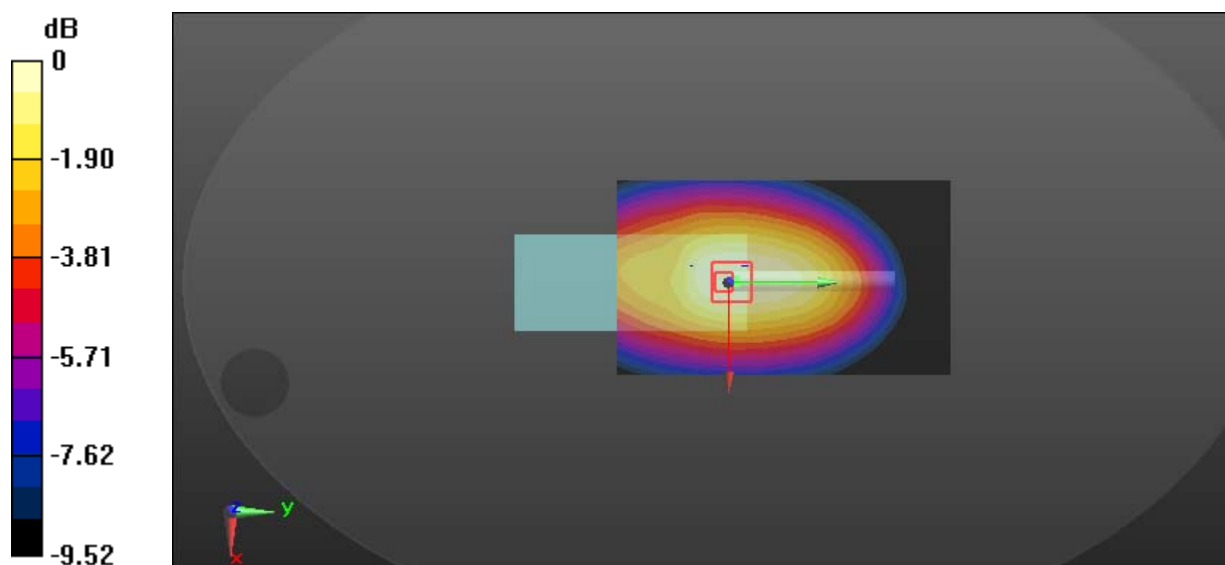
Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 469.988 \text{ MHz}$; $\sigma = 0.931 \text{ S/m}$; $\epsilon_r = 57.487$; $\rho = 1000 \text{ kg/m}^3$

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) = 9.03 W/kg **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 88.79 V/m ; Power Drift = -0.05 dB Peak SAR (extrapolated) = 10.4 W/kg **SAR(1 g) = 6.76 W/kg ; SAR(10 g) = 4.93 W/kg** Maximum value of SAR (measured) = 8.73 W/kg  $0 \text{ dB} = 8.73 \text{ W/kg} = 9.41 \text{ dBW/kg}$

Test Plot 17#: PTT_FM 25kHz_Body Back_400.0125 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.914$ S/m; $\epsilon_r = 57.741$; $\rho = 1000$ 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) = 6.81 W/kg

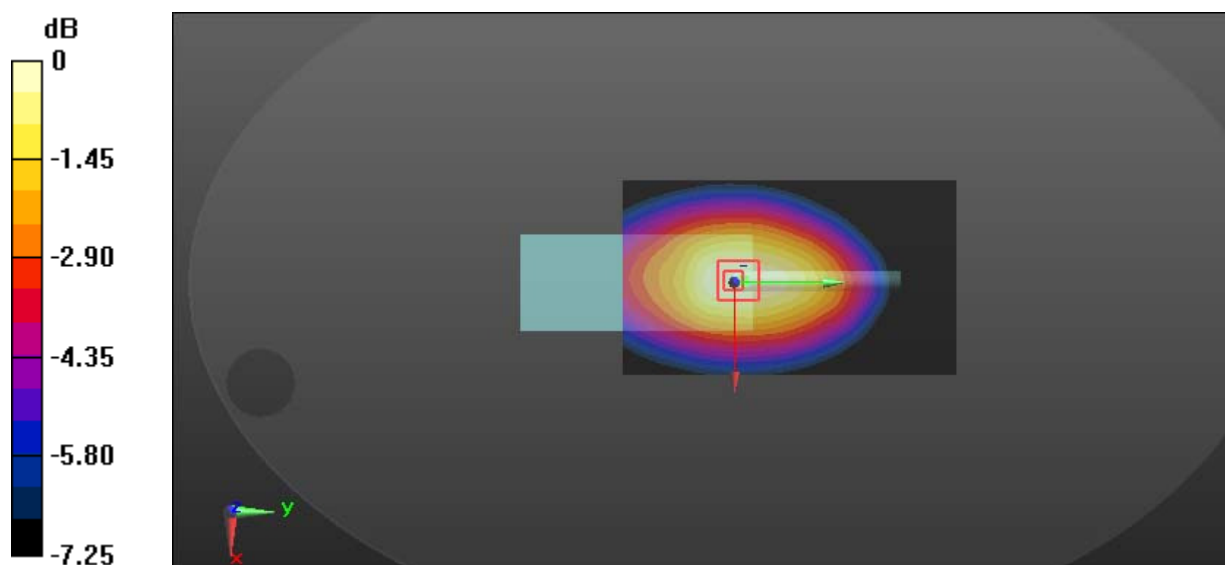
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 79.10 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 7.95 W/kg

SAR(1 g) = 5.51 W/kg; SAR(10 g) = 4.1 W/kg

Maximum value of SAR (measured) = 7.01 W/kg



0 dB = 7.01 W/kg = 8.46 dBW/kg

Test Plot 18#: PTT_FM 25kHz_Body Back_417 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

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

Medium parameters used: $f = 417$ MHz; $\sigma = 0.915$ S/m; $\epsilon_r = 57.641$; $\rho = 1000$ 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) = 13.1 W/kg

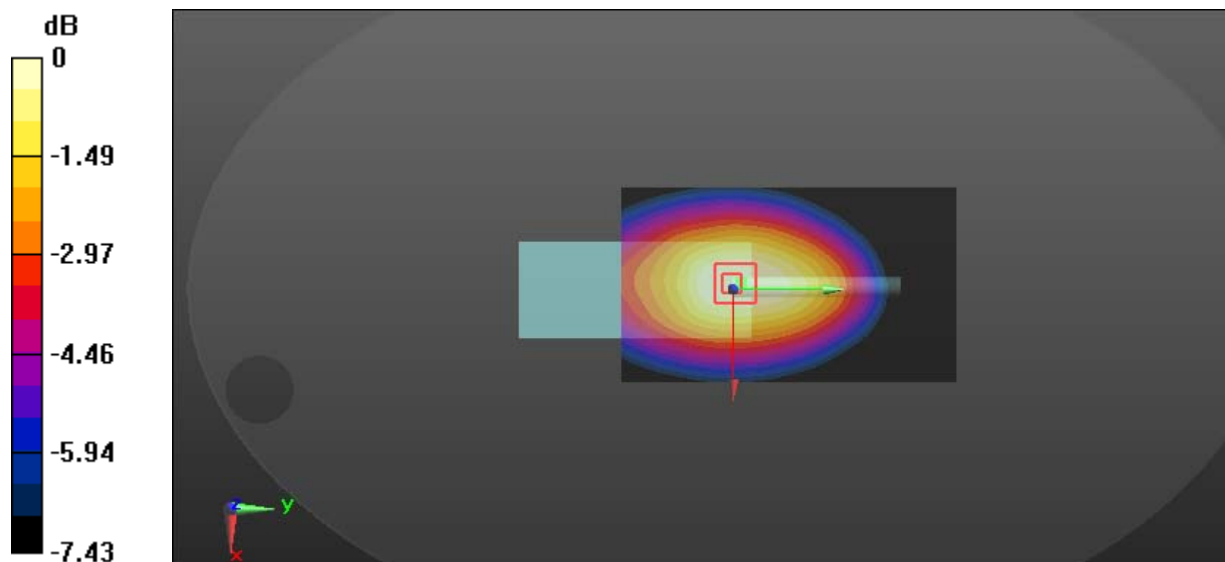
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 107.6 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 14.7 W/kg

SAR(1 g) = 10.2 W/kg; SAR(10 g) = 7.56 W/kg

Maximum value of SAR (measured) = 12.9 W/kg



0 dB = 12.9 W/kg = 11.11 dBW/kg

Test Plot 19#: PTT_FM 25kHz_Body Back_435 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

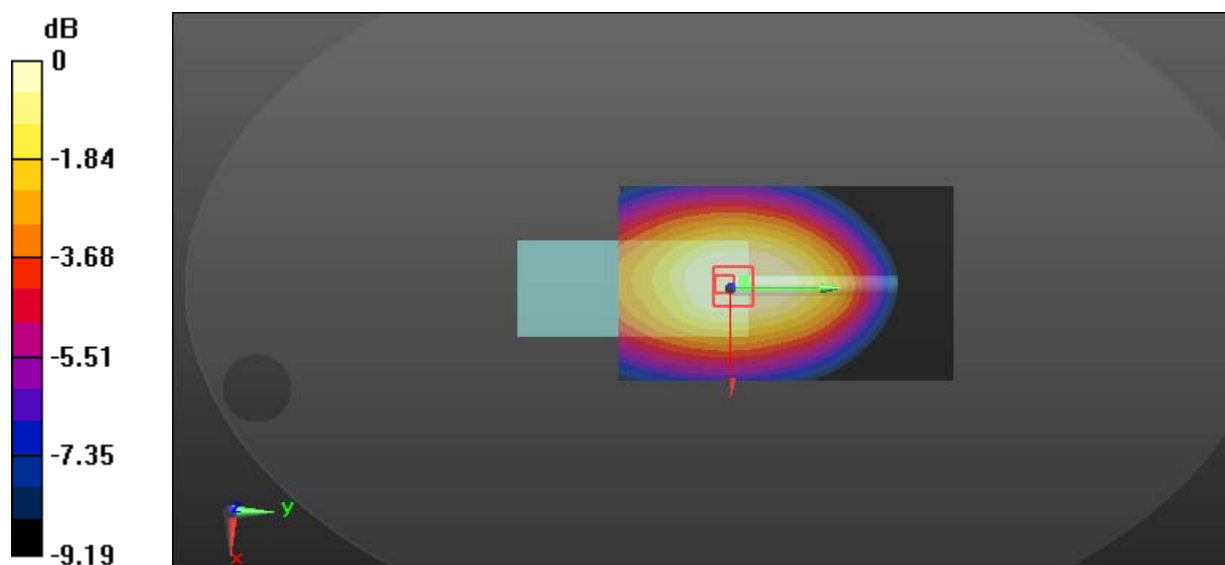
Communication System: FM; Frequency: 435 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 435 \text{ MHz}$; $\sigma = 0.921 \text{ S/m}$; $\epsilon_r = 57.54$; $\rho = 1000 \text{ kg/m}^3$

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) = 10.6 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 96.87 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 11.0 W/kg **SAR(1 g) = 7.64 W/kg ; SAR(10 g) = 5.6 W/kg** Maximum value of SAR (measured) = 9.71 W/kg  $0 \text{ dB} = 9.71 \text{ W/kg} = 9.87 \text{ dBW/kg}$

Test Plot 20#: PTT_FM 25kHz_Body Back_452 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

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

Medium parameters used: $f = 452$ MHz; $\sigma = 0.925$ S/m; $\epsilon_r = 57.389$; $\rho = 1000$ 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) = 8.26 W/kg

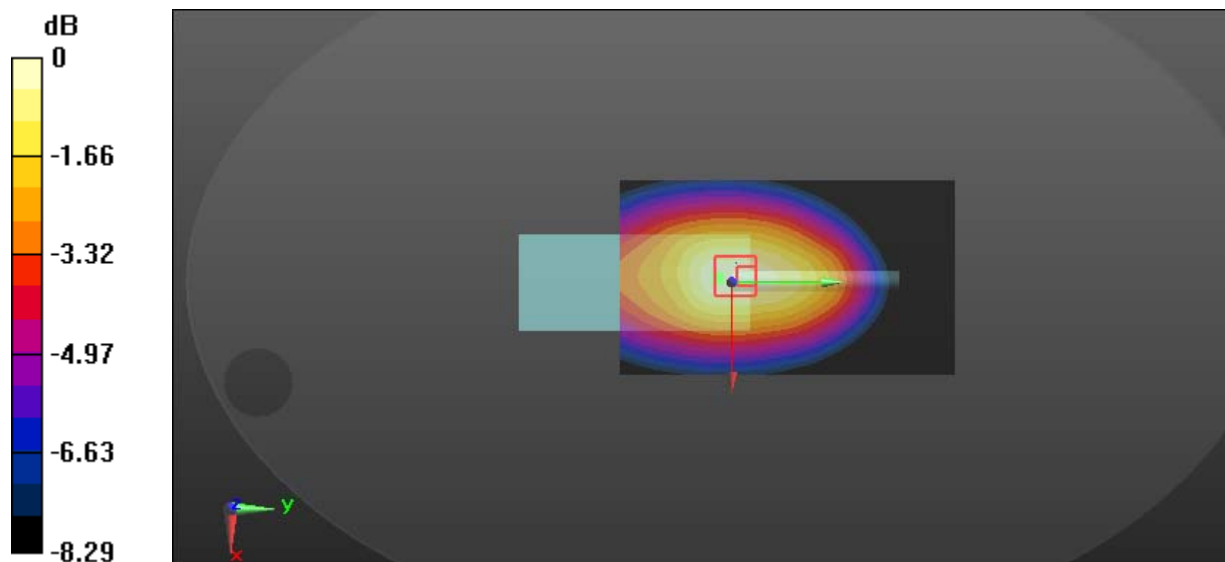
Zoom Scan (5x7x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 84.22 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 9.82 W/kg

SAR(1 g) = 6.84 W/kg; SAR(10 g) = 5.03 W/kg

Maximum value of SAR (measured) = 8.72 W/kg



0 dB = 8.72 W/kg = 9.41 dBW/kg

Test Plot 21#: PTT_FM 25kHz_Body Back_469.9875 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

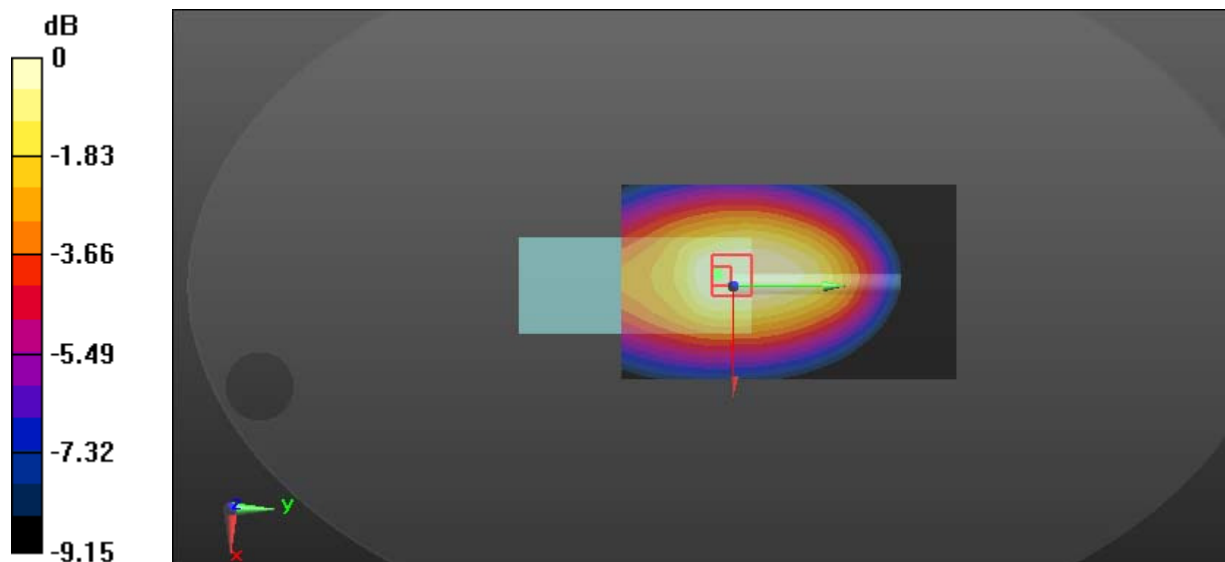
Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 469.988 \text{ MHz}$; $\sigma = 0.931 \text{ S/m}$; $\epsilon_r = 57.487$; $\rho = 1000 \text{ kg/m}^3$

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) = 8.24 W/kg **Zoom Scan (6x7x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 84.70 V/m ; Power Drift = -0.17 dB Peak SAR (extrapolated) = 9.12 W/kg **SAR(1 g) = 6.2 W/kg ; SAR(10 g) = 4.53 W/kg** Maximum value of SAR (measured) = 8.02 W/kg  $0 \text{ dB} = 8.02 \text{ W/kg} = 9.04 \text{ dBW/kg}$

Test Plot 22#: PTT_4FSK 12.5kHz_Body Back_435 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

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

Medium parameters used: $f = 435$ MHz; $\sigma = 0.921$ S/m; $\epsilon_r = 57.54$; $\rho = 1000$ 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) = 6.66 W/kg

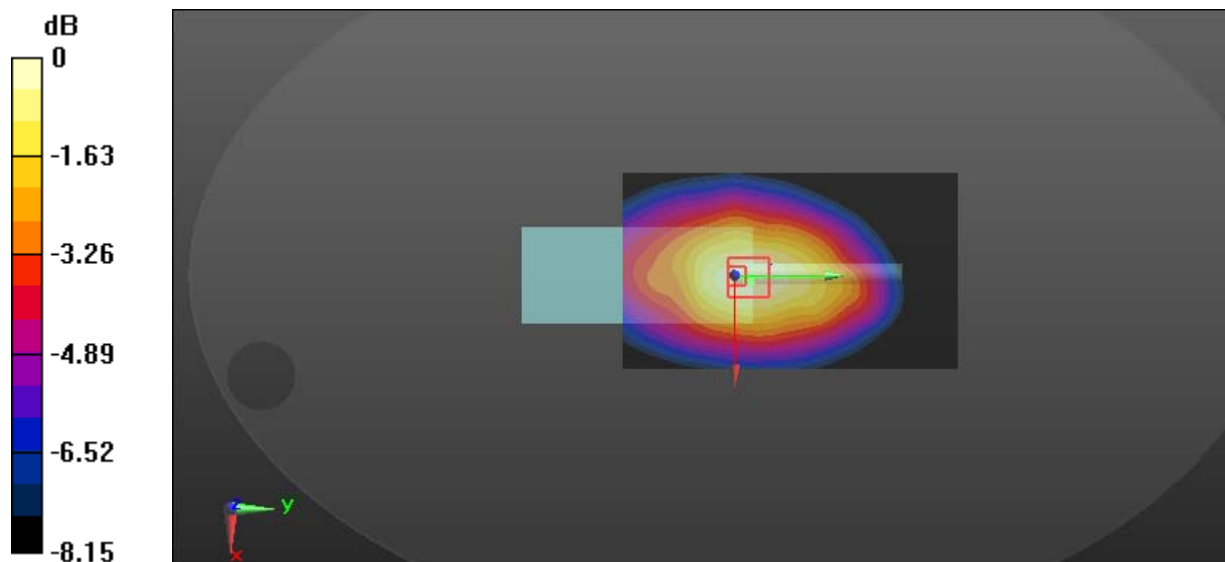
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 74.72 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 7.95 W/kg

SAR(1 g) = 4.9 W/kg; SAR(10 g) = 3.59 W/kg

Maximum value of SAR (measured) = 6.70 W/kg



0 dB = 6.70 W/kg = 8.26 dBW/kg

Test Plot 23#: PTT_FM 12.5kHz_Face Up_488.5 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: FM; Frequency: 488.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 488.5$ MHz; $\sigma = 0.863$ S/m; $\epsilon_r = 44.067$; $\rho = 1000$ 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) = 8.21 W/kg

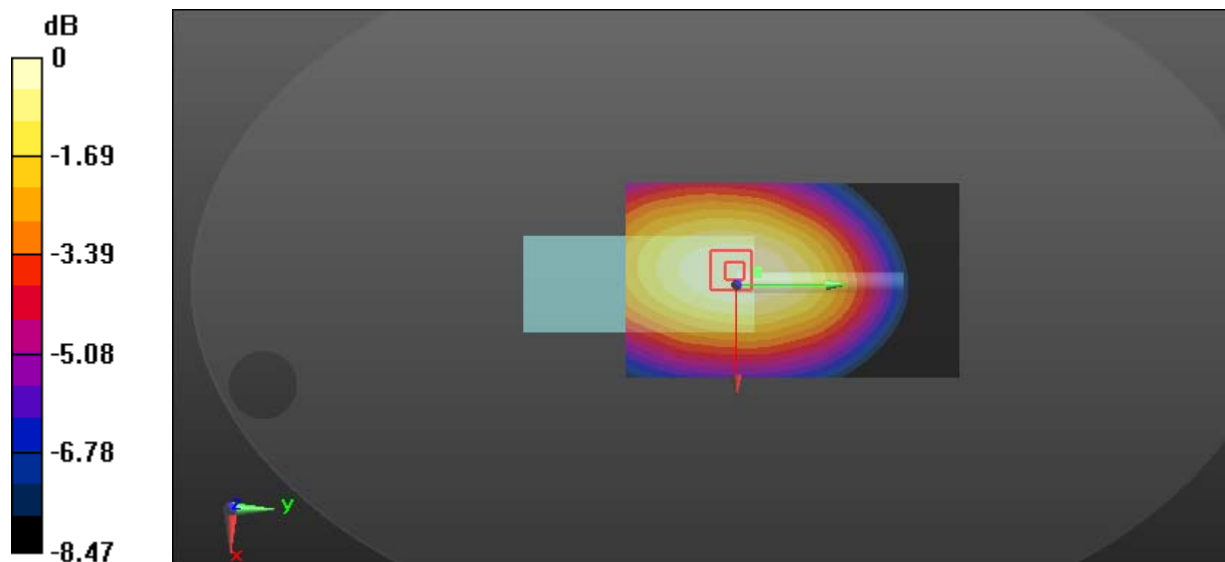
Zoom Scan (6x7x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 88.28 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 9.20 W/kg

SAR(1 g) = 6.49 W/kg; SAR(10 g) = 4.91 W/kg

Maximum value of SAR (measured) = 8.15 W/kg



0 dB = 8.15 W/kg = 9.11 dBW/kg

Test Plot 24#: PTT_FM 25kHz_Face Up_488.5 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: FM; Frequency: 488.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 488.5$ MHz; $\sigma = 0.863$ S/m; $\epsilon_r = 44.067$; $\rho = 1000$ 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) = 7.33 W/kg

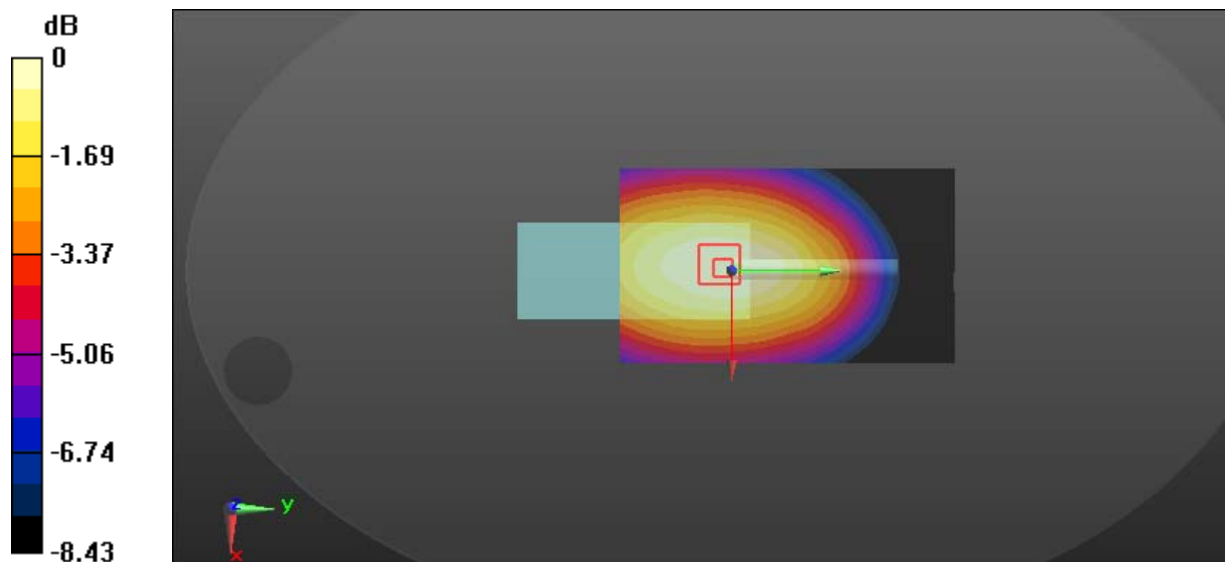
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 81.89 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 8.21 W/kg

SAR(1 g) = 5.79 W/kg; SAR(10 g) = 4.38 W/kg

Maximum value of SAR (measured) = 7.33 W/kg



0 dB = 7.33 W/kg = 8.65 dBW/kg

Test Plot 25#: PTT_4FSK 12.5kHz_Face Up_488.5 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: 4FSK; Frequency: 488.5 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 488.5$ MHz; $\sigma = 0.863$ S/m; $\epsilon_r = 44.067$; $\rho = 1000$ 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) = 3.94 W/kg

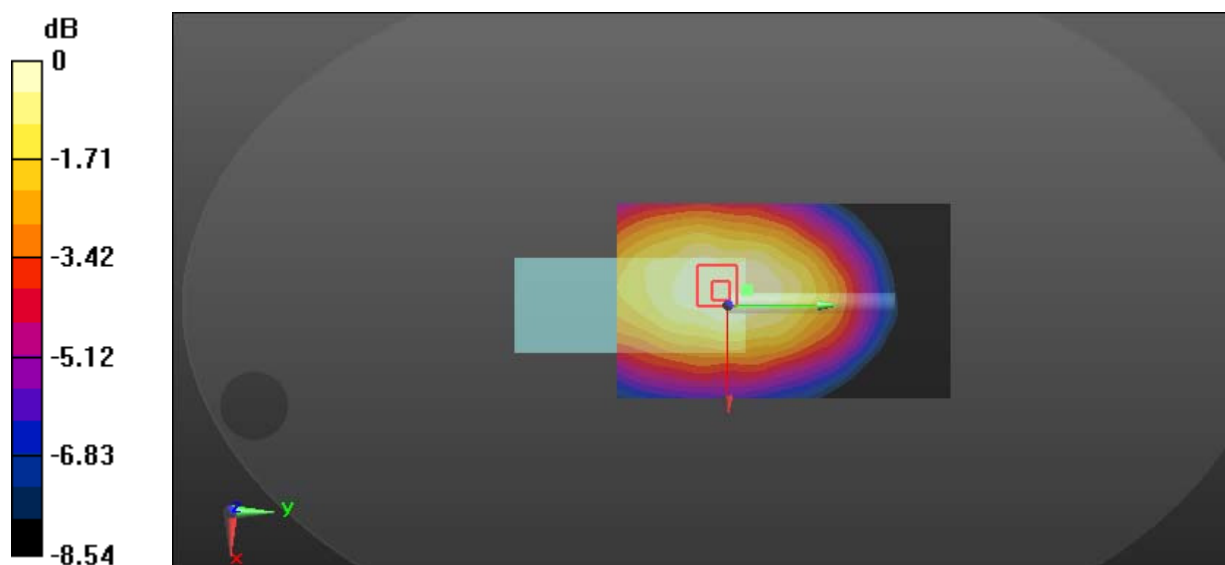
Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 60.62 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 4.40 W/kg

SAR(1 g) = 3.1 W/kg; SAR(10 g) = 2.33 W/kg

Maximum value of SAR (measured) = 3.84 W/kg



0 dB = 3.84 W/kg = 5.84 dBW/kg

Test Plot 26#: PTT_FM 12.5kHz_Body Back_450.0125 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: FM; Frequency: 450.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 450.012$ MHz; $\sigma = 0.922$ S/m; $\epsilon_r = 57.641$; $\rho = 1000$ 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) = 13.3 W/kg

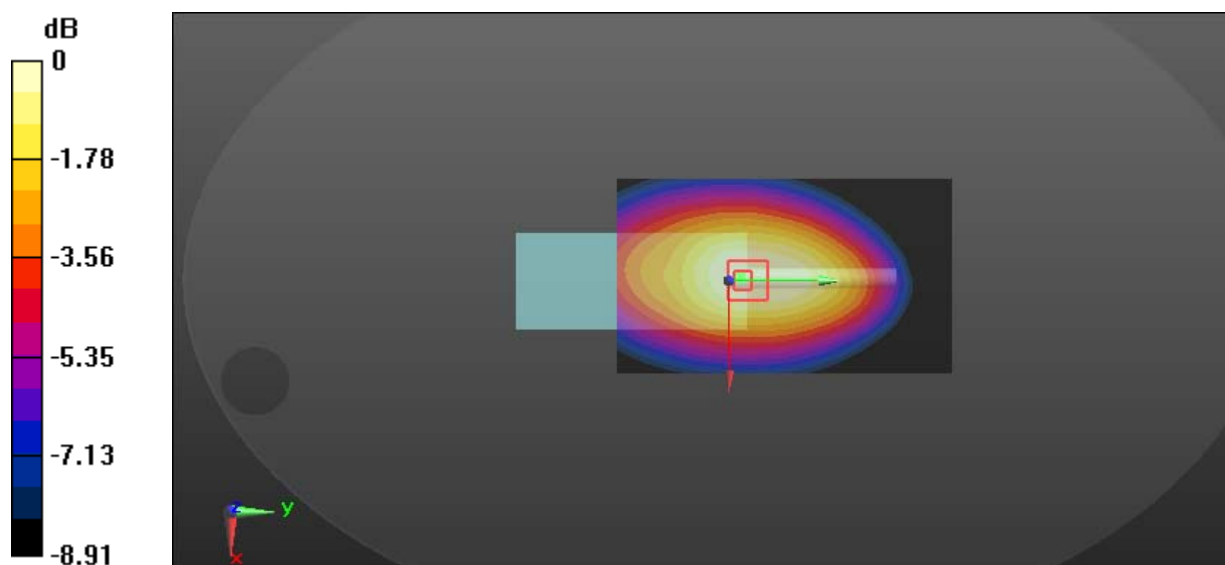
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 107.7 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 14.6 W/kg

SAR(1 g) = 10 W/kg; SAR(10 g) = 7.38 W/kg

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



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

Test Plot 27#: PTT_FM 12.5kHz_Body Back_469 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: FM; Frequency: 469 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 469$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 57.33$; $\rho = 1000$ 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) = 13.5 W/kg

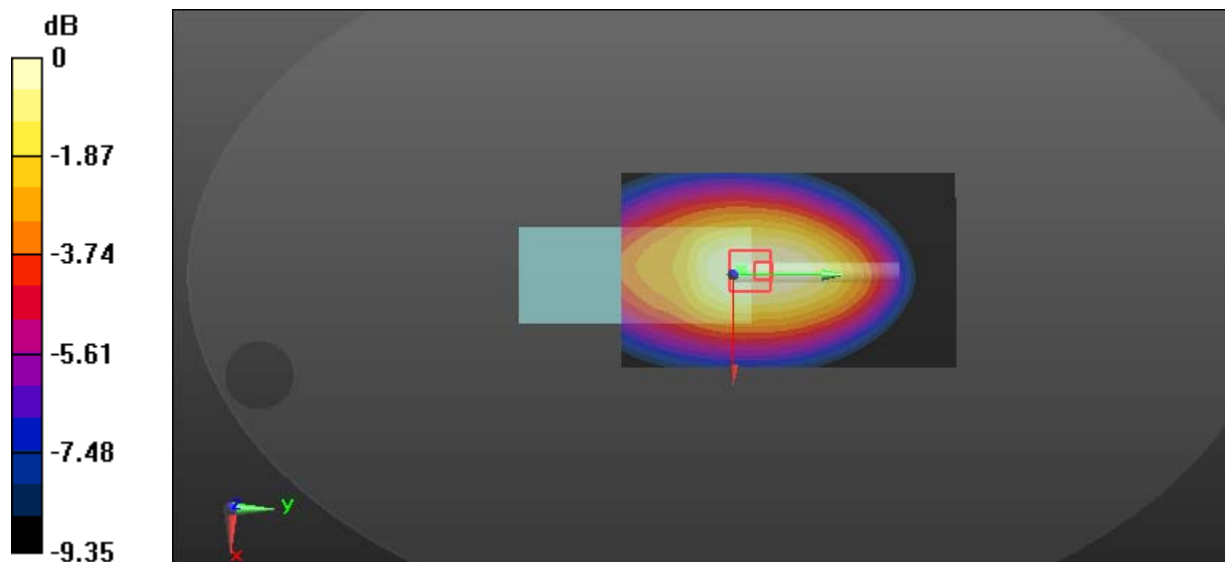
Zoom Scan (6x7x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 108.6 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 14.8 W/kg

SAR(1 g) = 10.1 W/kg; SAR(10 g) = 7.46 W/kg

Maximum value of SAR (measured) = 13.1 W/kg



0 dB = 13.1 W/kg = 11.17 dBW/kg

Test Plot 28#: PTT_FM 12.5kHz_Body Back_488.5 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: FM; Frequency: 488.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 488.5$ MHz; $\sigma = 0.934$ S/m; $\epsilon_r = 57.21$; $\rho = 1000$ 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) = 11.0 W/kg

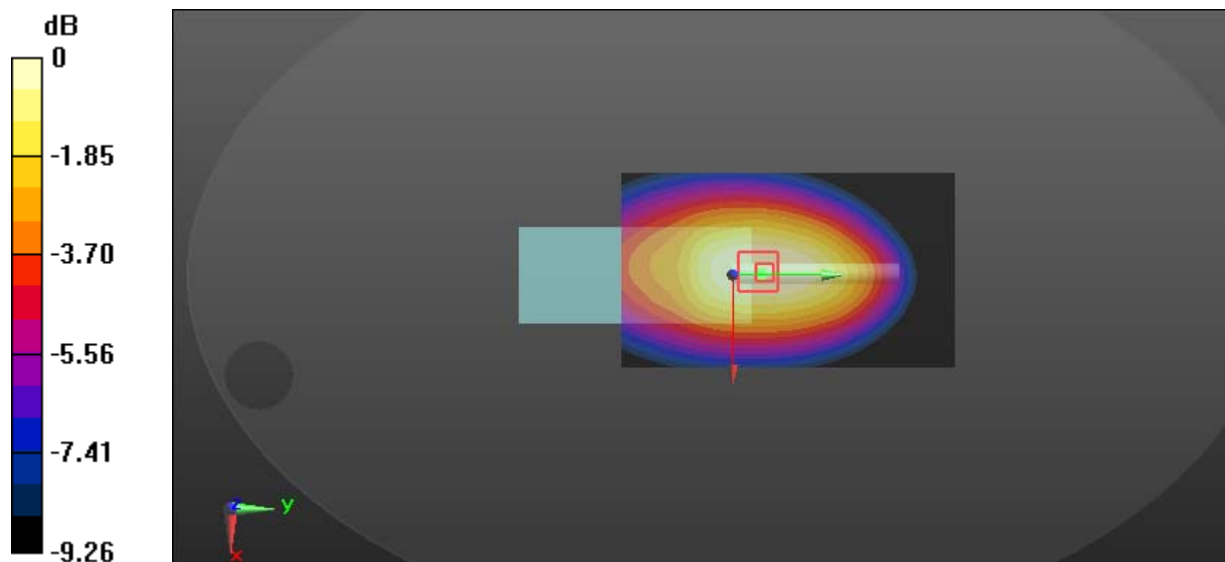
Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 96.84 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 12.0 W/kg

SAR(1 g) = 8.37 W/kg; SAR(10 g) = 6.18 W/kg

Maximum value of SAR (measured) = 10.6 W/kg



0 dB = 10.6 W/kg = 10.25 dBW/kg

Test Plot 29#: PTT_FM 12.5kHz_Body Back_507 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

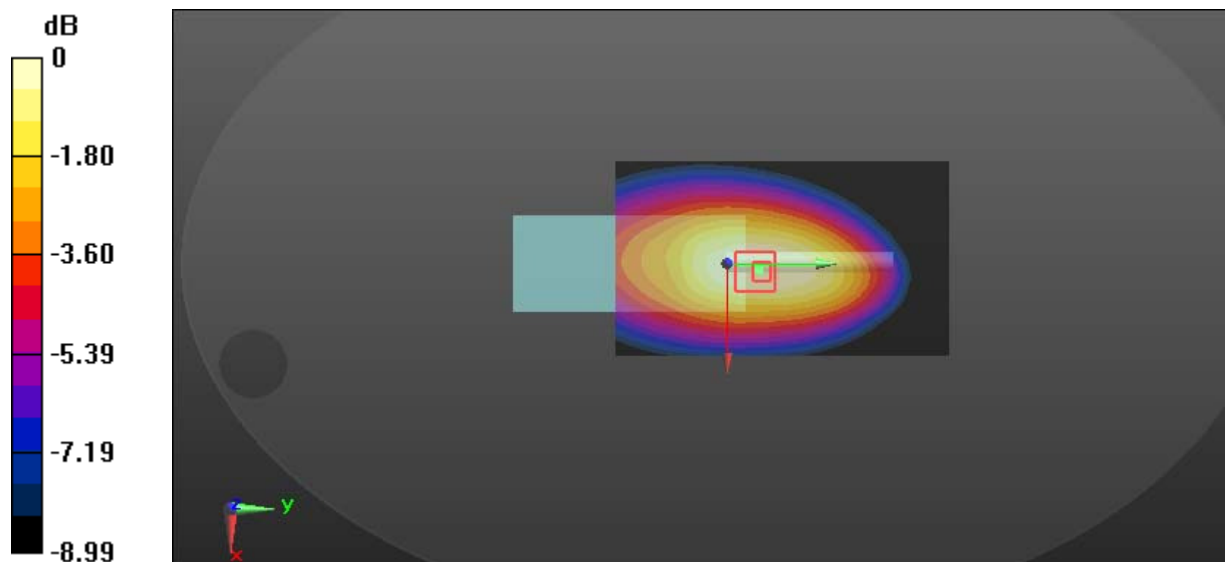
Communication System: FM; Frequency: 507 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 507 \text{ MHz}$; $\sigma = 0.935 \text{ S/m}$; $\epsilon_r = 57.12$; $\rho = 1000 \text{ kg/m}^3$

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) = 9.82 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 91.40 V/m ; Power Drift = -0.17 dB Peak SAR (extrapolated) = 10.9 W/kg **SAR(1 g) = 7.45 W/kg ; SAR(10 g) = 5.49 W/kg** Maximum value of SAR (measured) = 9.48 W/kg 0 dB = 9.48 W/kg = 9.77 dBW/kg

Test Plot 30#: PTT_FM 12.5kHz_Body Back_511.9875 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

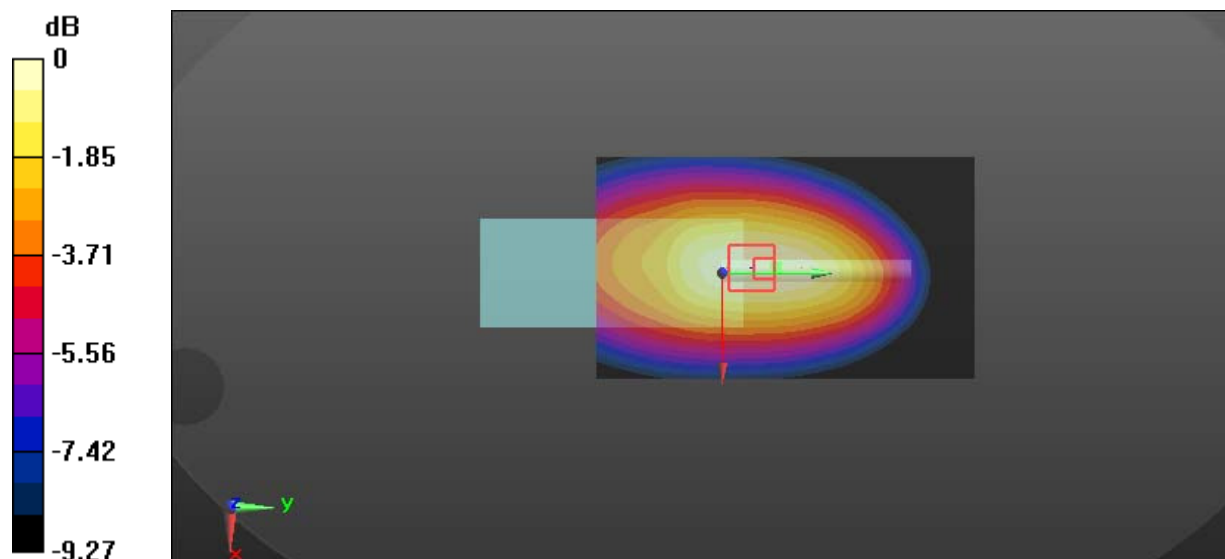
Communication System: FM; Frequency: 511.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 511.988 \text{ MHz}$; $\sigma = 0.937 \text{ S/m}$; $\epsilon_r = 56.899$; $\rho = 1000 \text{ kg/m}^3$

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) = 8.28 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 82.94 V/m ; Power Drift = 0.06 dB Peak SAR (extrapolated) = 9.63 W/kg **SAR(1 g) = 6.56 W/kg ; SAR(10 g) = 4.86 W/kg** Maximum value of SAR (measured) = 8.45 W/kg  $0 \text{ dB} = 8.45 \text{ W/kg} = 9.27 \text{ dBW/kg}$

Test Plot 31#: PTT_FM 25kHz_Body Back_450.0125 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: FM; Frequency: 450.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 450.012$ MHz; $\sigma = 0.922$ S/m; $\epsilon_r = 57.641$; $\rho = 1000$ 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) = 13.5 W/kg

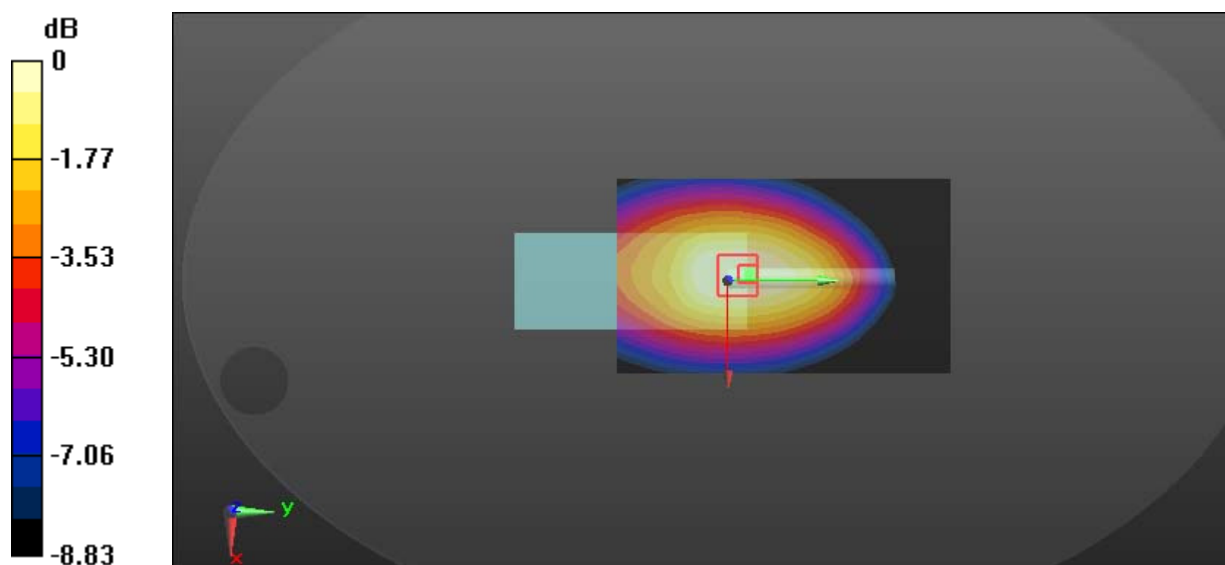
Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 109.6 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 14.9 W/kg

SAR(1 g) = 10.3 W/kg; SAR(10 g) = 7.55 W/kg

Maximum value of SAR (measured) = 13.2 W/kg



0 dB = 13.2 W/kg = 11.21 dBW/kg

Test Plot 32#: PTT_FM 25kHz_Body Back_469 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: FM; Frequency: 469 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 469$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 57.33$; $\rho = 1000$ 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) = 12.8 W/kg

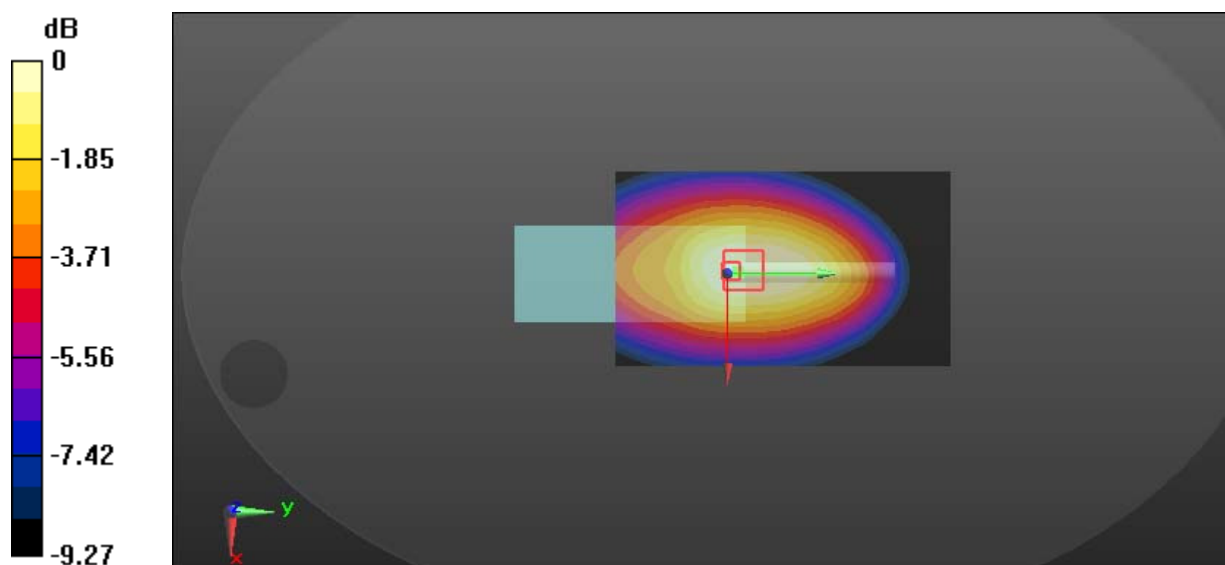
Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 106.5 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 13.9 W/kg

SAR(1 g) = 9.65 W/kg; SAR(10 g) = 7.09 W/kg

Maximum value of SAR (measured) = 12.3 W/kg



0 dB = 12.3 W/kg = 10.90 dBW/kg

Test Plot 33#: PTT_FM 25kHz_Body Back_488.5 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: FM; Frequency: 488.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 488.5$ MHz; $\sigma = 0.934$ S/m; $\epsilon_r = 57.21$; $\rho = 1000$ 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) = 12.7 W/kg

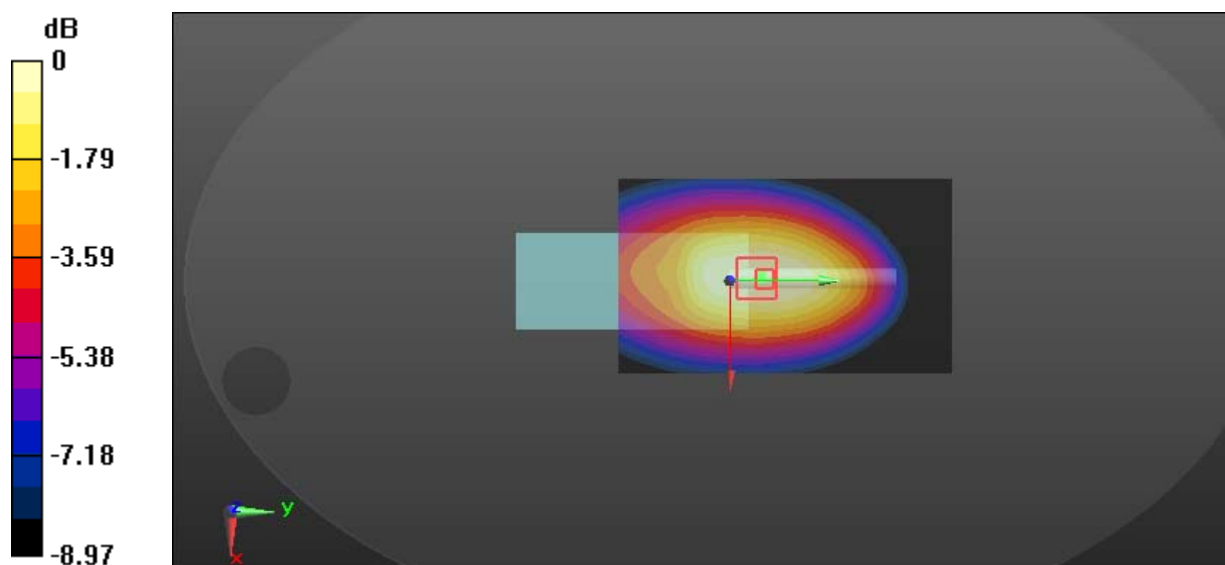
Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 104.6 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 13.9 W/kg

SAR(1 g) = 9.62 W/kg; SAR(10 g) = 7.05 W/kg

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



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

Test Plot 34#: PTT_FM 25kHz_Body Back_507 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

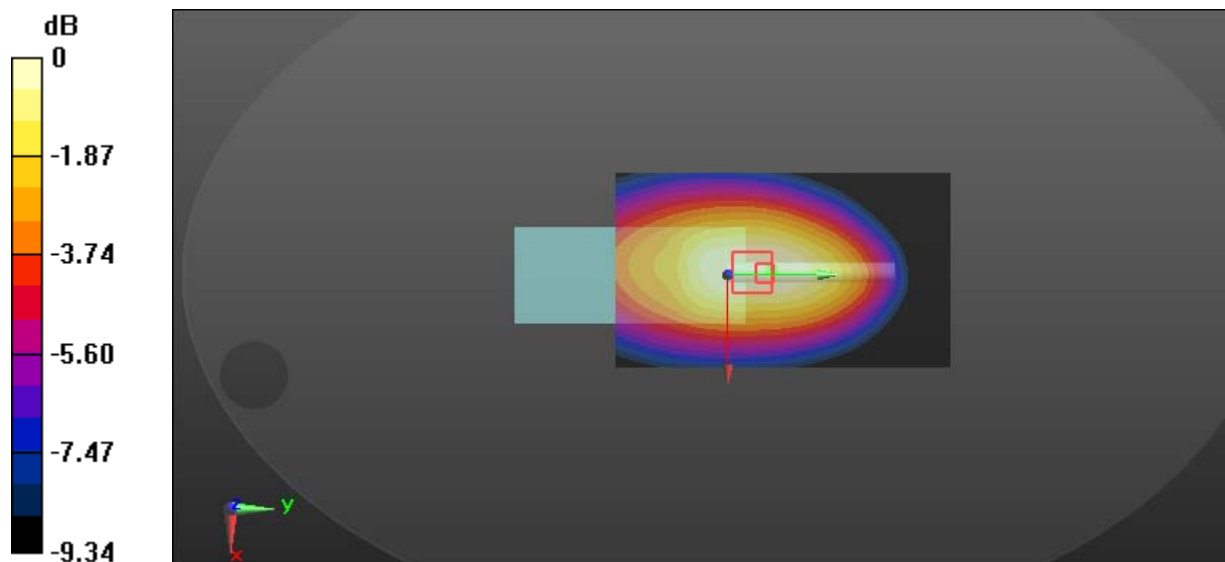
Communication System: FM; Frequency: 507 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 507 \text{ MHz}$; $\sigma = 0.935 \text{ S/m}$; $\epsilon_r = 57.12$; $\rho = 1000 \text{ kg/m}^3$

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) = 9.25 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 89.74 V/m ; Power Drift = -0.15 dB Peak SAR (extrapolated) = 10.3 W/kg **SAR(1 g) = 7.07 W/kg ; SAR(10 g) = 5.23 W/kg** Maximum value of SAR (measured) = 9.01 W/kg  $0 \text{ dB} = 9.01 \text{ W/kg} = 9.55 \text{ dBW/kg}$

Test Plot 35#: PTT_FM 25kHz_Body Back_511.9875 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

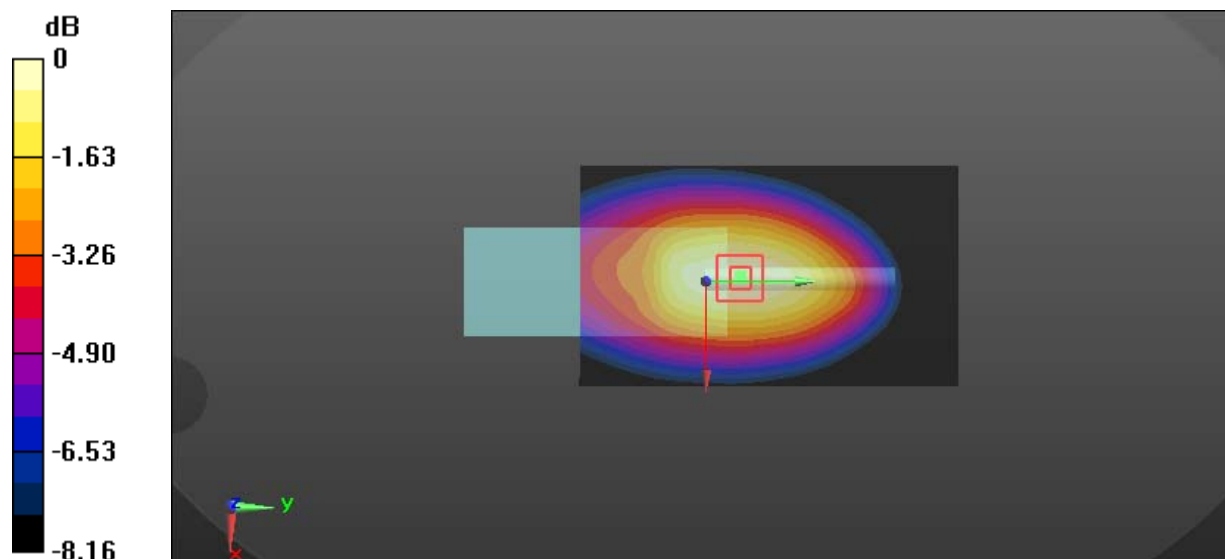
Communication System: FM; Frequency: 511.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 511.988 \text{ MHz}$; $\sigma = 0.928 \text{ S/m}$; $\epsilon_r = 56.985$; $\rho = 1000 \text{ kg/m}^3$

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) = 8.04 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 81.95 V/m ; Power Drift = 0.06 dB Peak SAR (extrapolated) = 9.53 W/kg **SAR(1 g) = 6.62 W/kg ; SAR(10 g) = 4.91 W/kg** Maximum value of SAR (measured) = 8.37 W/kg  $0 \text{ dB} = 8.37 \text{ W/kg} = 9.23 \text{ dBW/kg}$

Test Plot 36#: PTT_4FSK 12.5kHz_Body Back_450.0125 MHz**DUT: Digital Poratable Radio; Type: PD682i Um; Serial: 17120701120**

Communication System: 4FSK; Frequency: 450.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 450.012$ MHz; $\sigma = 0.922$ S/m; $\epsilon_r = 57.641$; $\rho = 1000$ 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) = 5.81 W/kg

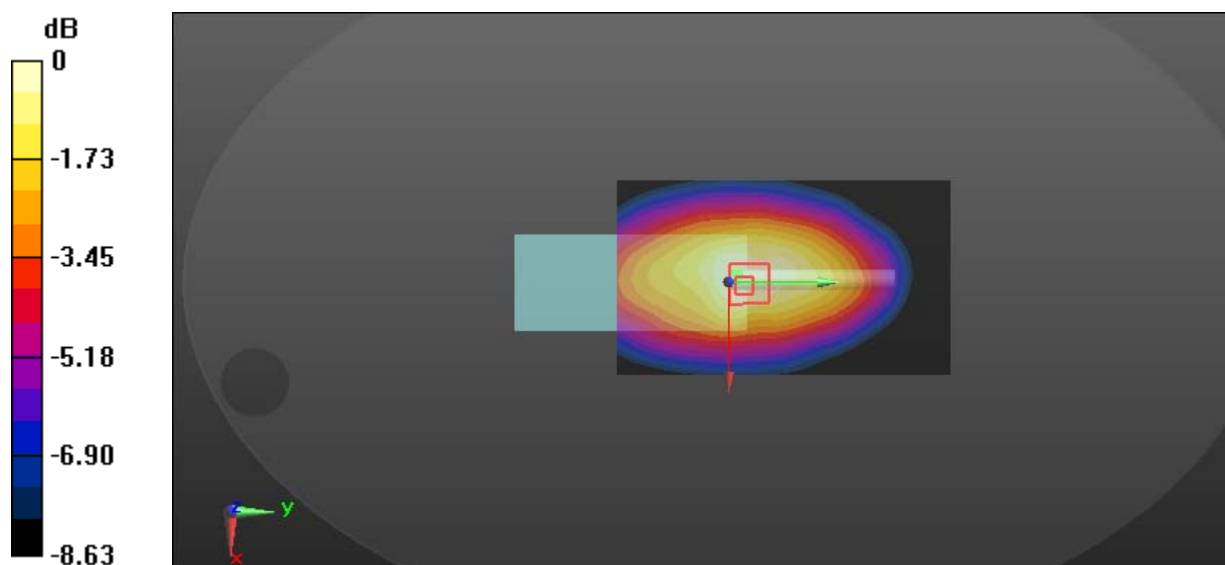
Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 72.60 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 6.63 W/kg

SAR(1 g) = 4.28 W/kg; SAR(10 g) = 3.1 W/kg

Maximum value of SAR (measured) = 5.64 W/kg



0 dB = 5.64 W/kg = 7.51 dBW/kg