

Test Plot 1#:136.0125 MHz_ Face Up_12.5kHz_ANT1**DUT: Digital Portable Radio; Type: HP682 VHF; Serial: DG2210701-26543E-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.725$ S/m; $\epsilon_r = 53.743$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 136.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.28 W/kg

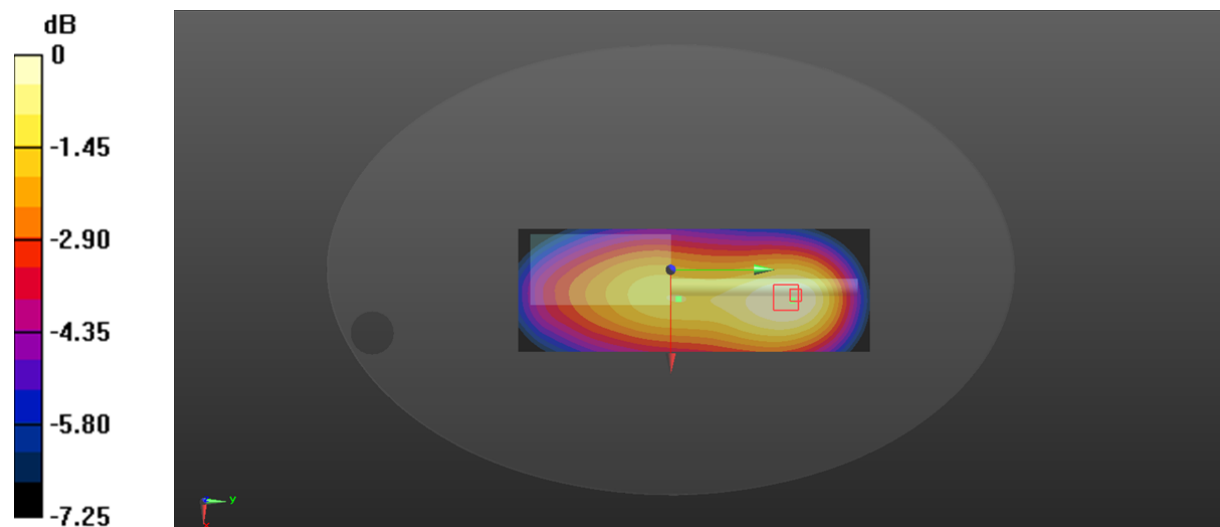
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 45.85 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.05 W/kg

SAR(1 g) = 2.09 W/kg; SAR(10 g) = 1.59 W/kg

Maximum value of SAR (measured) = 2.20 W/kg



0 dB = 2.20 W/kg = 3.42 dBW/kg

Test Plot 2#:153.0125 MHz_ Face Up_12.5kHz_ANT2**DUT: Digital Portable Radio; Type: HP682 VHF; Serial: DG2210701-26543E-SA-S1**

Communication System: FM; Frequency: 153.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.761$ S/m; $\epsilon_r = 52.096$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 153.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.39 W/kg

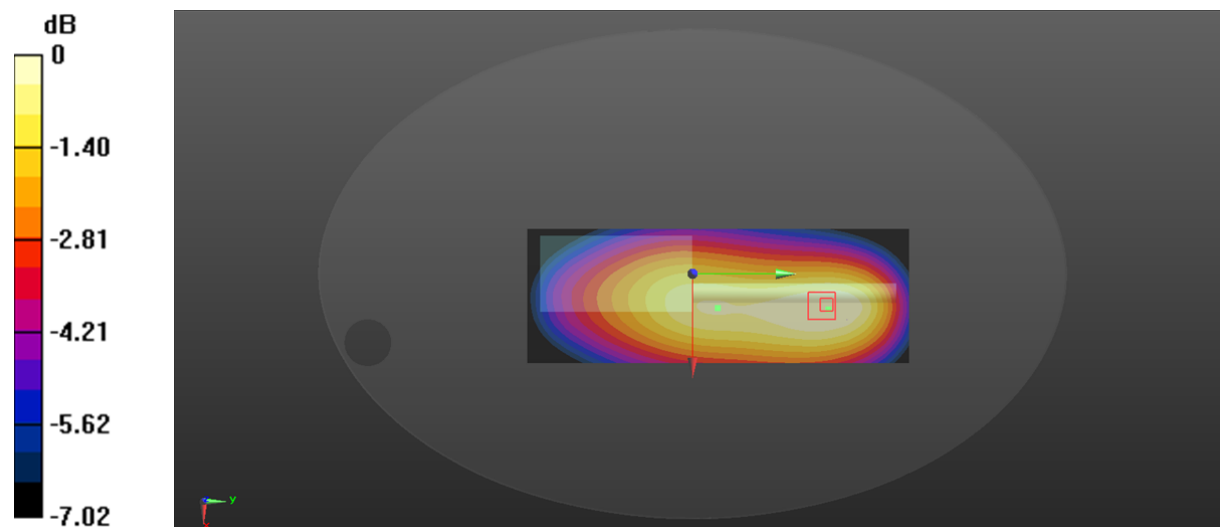
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 47.16 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.09 W/kg

SAR(1 g) = 2.24 W/kg; SAR(10 g) = 1.71 W/kg

Maximum value of SAR (measured) = 2.33 W/kg



0 dB = 2.33 W/kg = 3.67 dBW/kg

Test Plot 3#:136.0125 MHz_ Face Up_25kHz_ANT1**DUT: Digital Portable Radio; Type: HP682 VHF; Serial: DG2210701-26543E-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.725$ S/m; $\epsilon_r = 53.743$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 136.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.43 W/kg

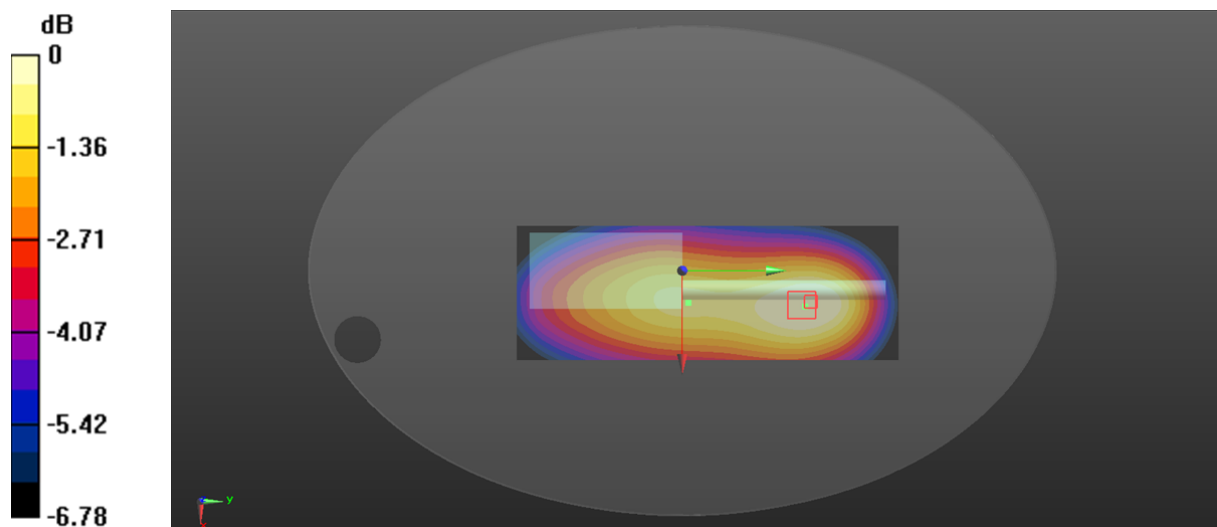
/Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 47.24 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 3.04 W/kg

SAR(1 g) = 2.18 W/kg; SAR(10 g) = 1.66 W/kg

Maximum value of SAR (measured) = 2.28 W/kg



0 dB = 2.28 W/kg = 3.58 dBW/kg

Test Plot 4#:153.0125 MHz_ Face Up_25kHz_ANT2**DUT: Digital Portable Radio; Type: HP682 VHF; Serial: DG2210701-26543E-SA-S1**

Communication System: FM; Frequency: 153.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.761$ S/m; $\epsilon_r = 52.096$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 153.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.17 W/kg

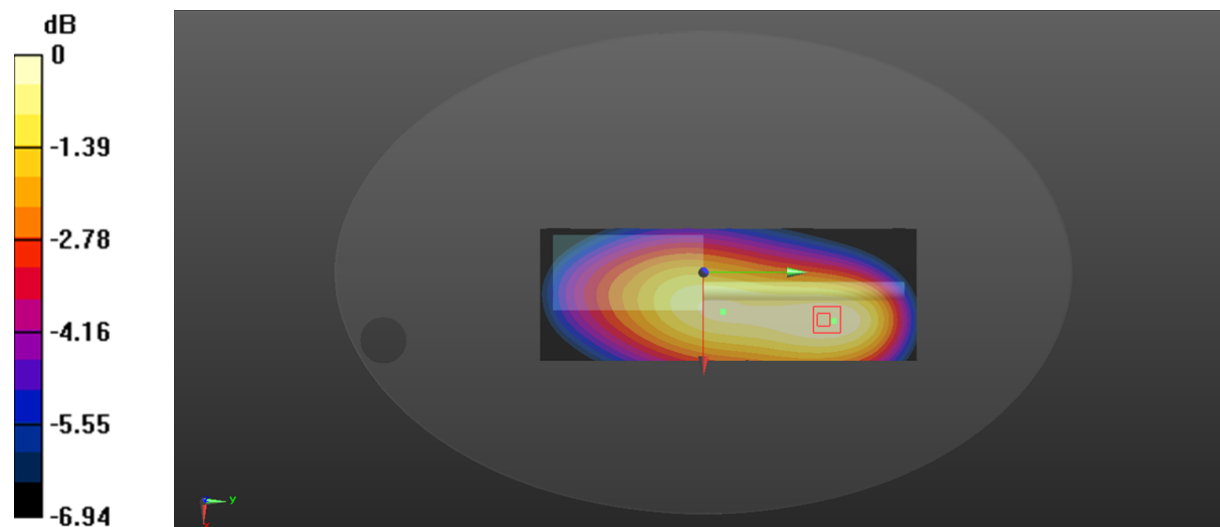
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 44.52 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.84 W/kg

SAR(1 g) = 2.07 W/kg; SAR(10 g) = 1.58 W/kg

Maximum value of SAR (measured) = 2.16 W/kg



0 dB = 2.16 W/kg = 3.34 dBW/kg

Test Plot 5#:136.0125 MHz_ Face Up_4FSK _ANT1**DUT: Digital Portable Radio; Type: HP682 VHF; Serial: DG2210701-26543E-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.725$ S/m; $\epsilon_r = 53.743$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 136.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.14 W/kg

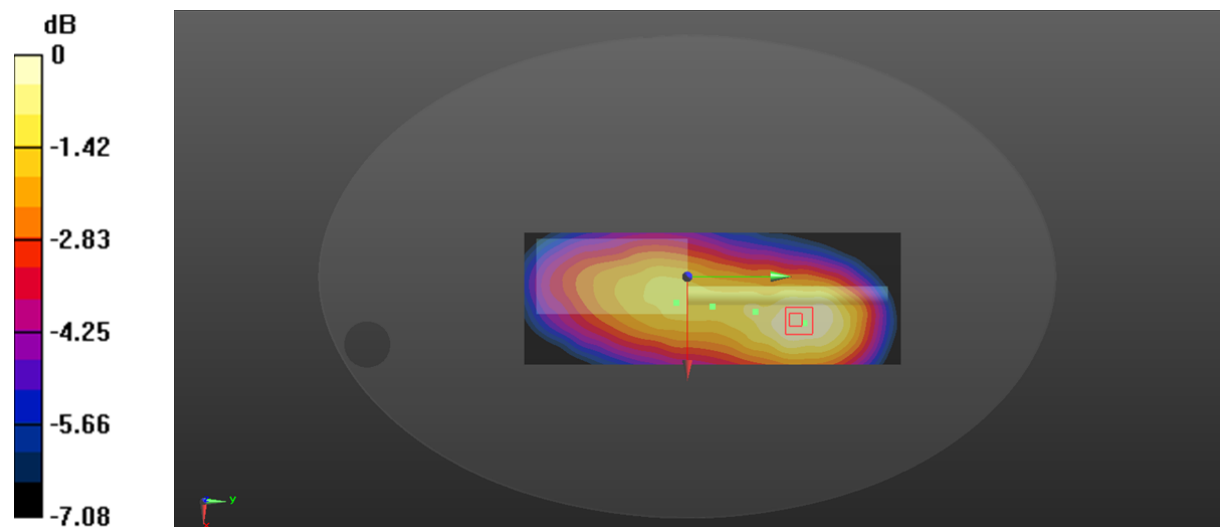
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.52 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.785 W/kg

Maximum value of SAR (measured) = 1.10 W/kg



0 dB = 1.10 W/kg = 0.41 dBW/kg

Test Plot 6#:153.0125 MHz_ Face Up_4FSK _ANT2**DUT: Digital Portable Radio; Type: HP682 VHF; Serial: DG2210701-26543E-SA-S1**

Communication System: 4FSK; Frequency: 153.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.761$ S/m; $\epsilon_r = 52.096$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 153.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.957 W/kg

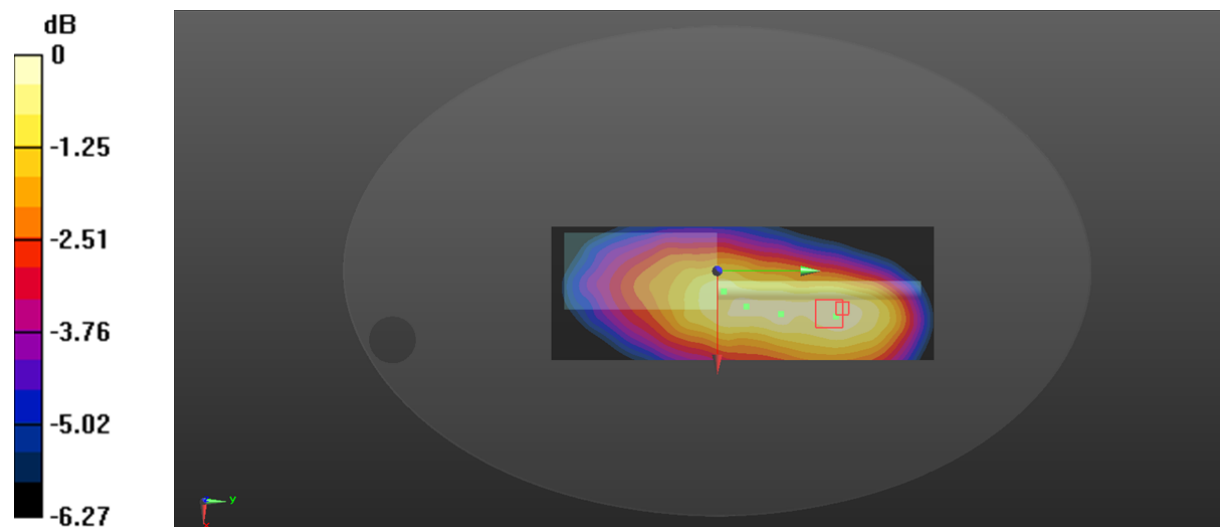
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.61 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.905 W/kg; SAR(10 g) = 0.703 W/kg

Maximum value of SAR (measured) = 0.967 W/kg



0 dB = 0.967 W/kg = -0.15 dBW/kg

Test Plot 7#:136.0125 MHz_ Body Back _12.5kHz _ANT1**DUT: Digital Portable Radio; Type: HP682 VHF; Serial: DG2210701-26543E-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.765$ S/m; $\epsilon_r = 63.732$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 136.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.33 W/kg

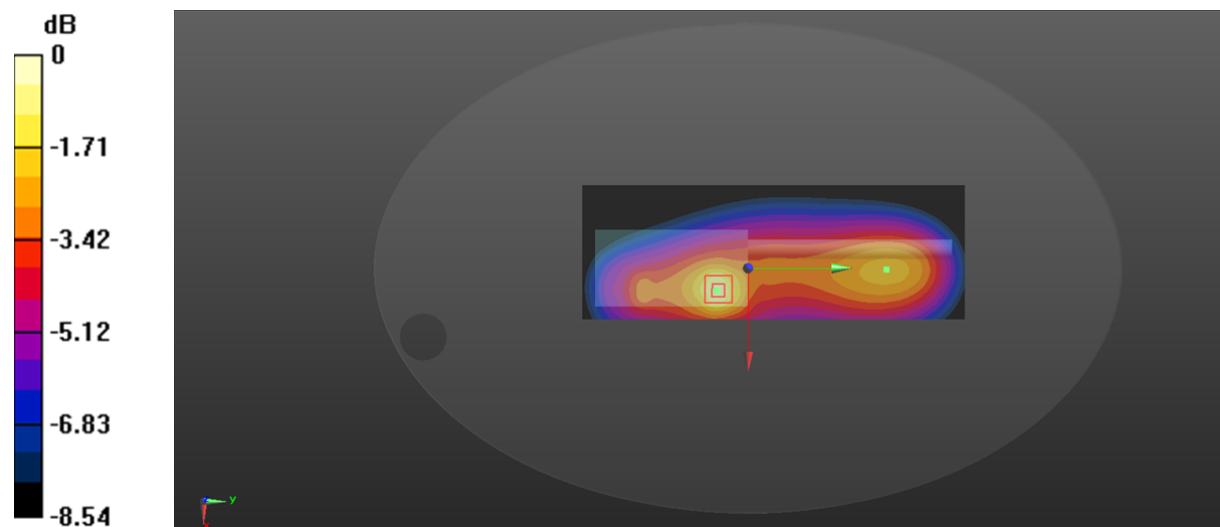
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.03 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 9.06 W/kg

SAR(1 g) = 4.52 W/kg; SAR(10 g) = 2.79 W/kg

Maximum value of SAR (measured) = 4.83 W/kg



0 dB = 4.83 W/kg = 6.84 dBW/kg

Test Plot 8#:146.0125 MHz _Body Back _12.5kHz _ANT2**DUT: Digital Portable Radio; Type: HP682 VHF; Serial: DG2210701-26543E-SA-S1**

Communication System: FM; Frequency: 146.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 146.012$ MHz; $\sigma = 0.781$ S/m; $\epsilon_r = 63.12$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 146.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

rea Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.28 W/kg

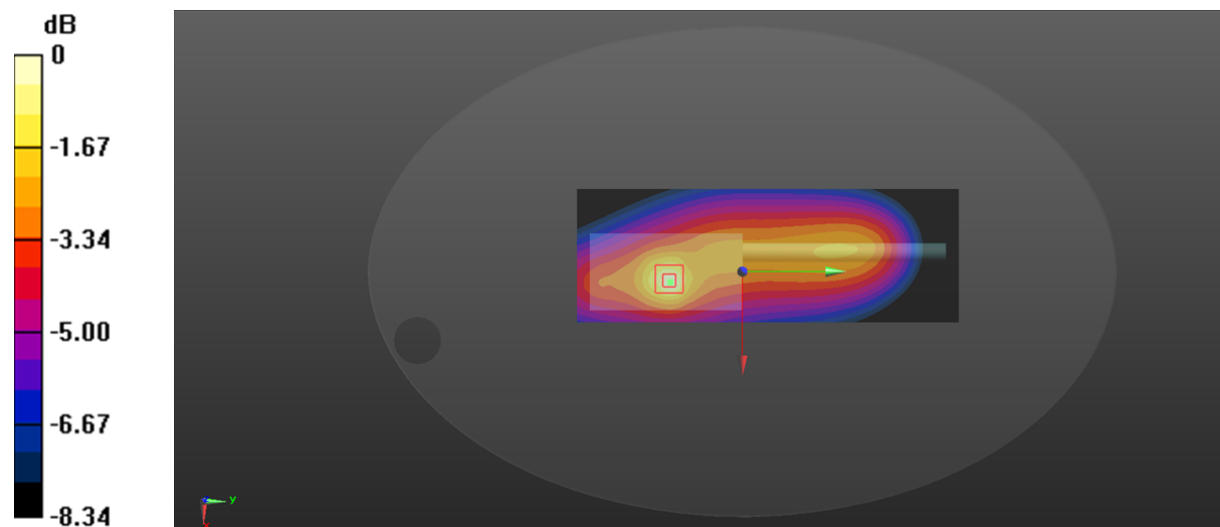
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 40.15 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 4.35 W/kg

SAR(1 g) = 2.21 W/kg; SAR(10 g) = 1.39 W/kg

Maximum value of SAR (measured) = 2.34 W/kg



0 dB = 2.34 W/kg = 3.69 dBW/kg

Test Plot 9#:153.0125 MHz_Body Back _12.5kHz _ANT2**DUT: Digital Portable Radio; Type: HP682 VHF; Serial: DG2210701-26543E-SA-S1**

Communication System: FM; Frequency: 153.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.799$ S/m; $\epsilon_r = 61.44$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 153.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.45 W/kg

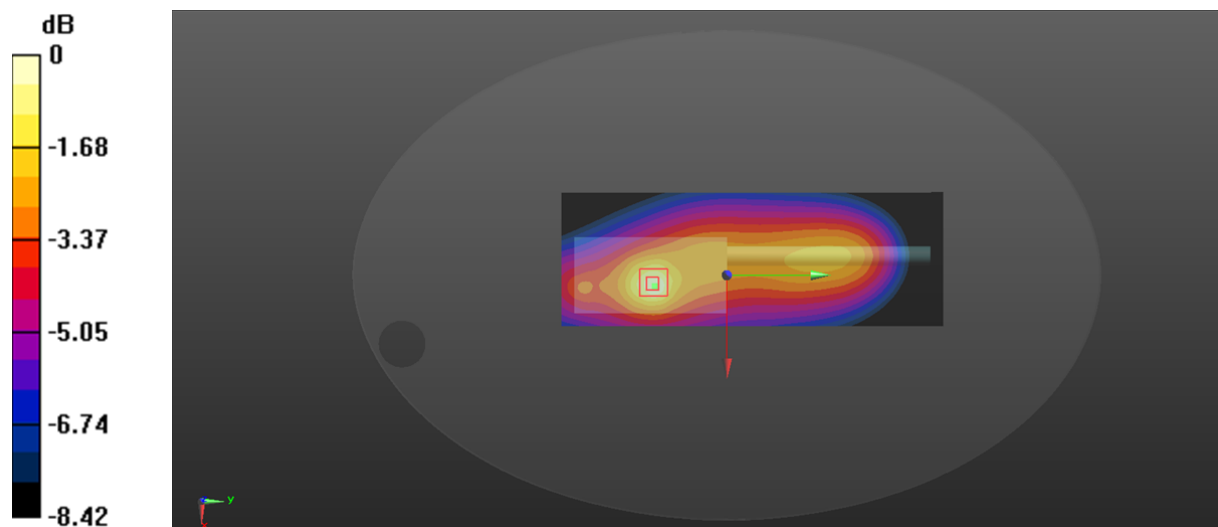
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 68.44 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 11.4 W/kg

SAR(1 g) = 5.86 W/kg; SAR(10 g) = 3.69 W/kg

Maximum value of SAR (measured) = 6.26 W/kg



0 dB = 6.26 W/kg = 7.97 dBW/kg

Test Plot 10#:160 MHz_Body Back _12.5kHz _ANT2**DUT: Digital Portable Radio; Type: HP682 VHF; Serial: DG2210701-26543E-SA-S1**

Communication System: FM; Frequency: 160 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 160$ MHz; $\sigma = 0.812$ S/m; $\epsilon_r = 61.424$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 160 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.47 W/kg

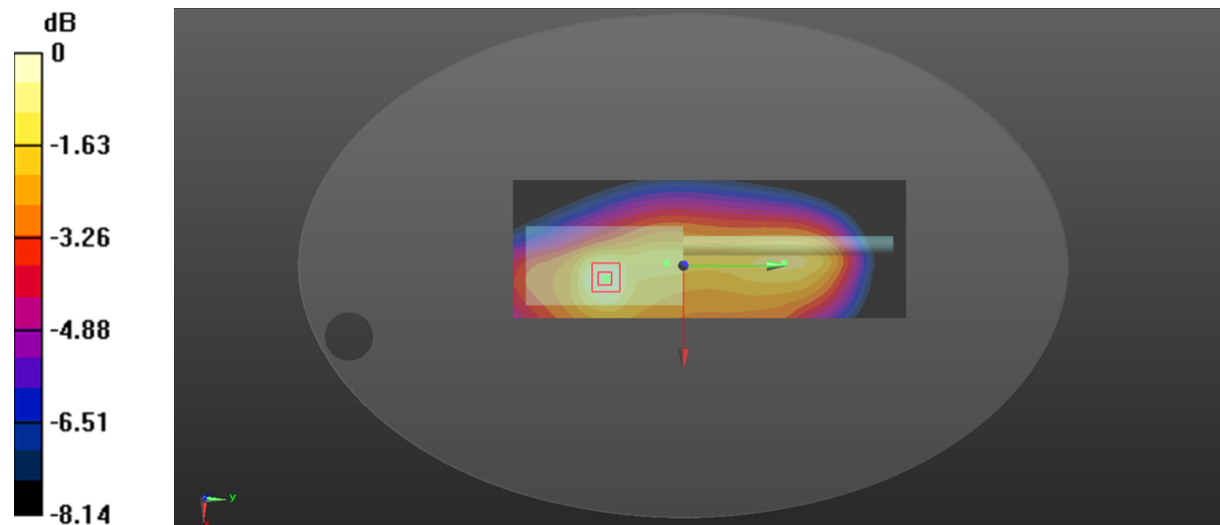
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 42.25 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.25 W/kg

SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.796 W/kg

Maximum value of SAR (measured) = 1.31 W/kg



0 dB = 1.31 W/kg = 1.17 dBW/kg

Test Plot 11#:166.9875 MHz_Body Back _12.5kHz _ANT2**DUT: Digital Portable Radio; Type: HP682 VHF; Serial: DG2210701-26543E-SA-S1**

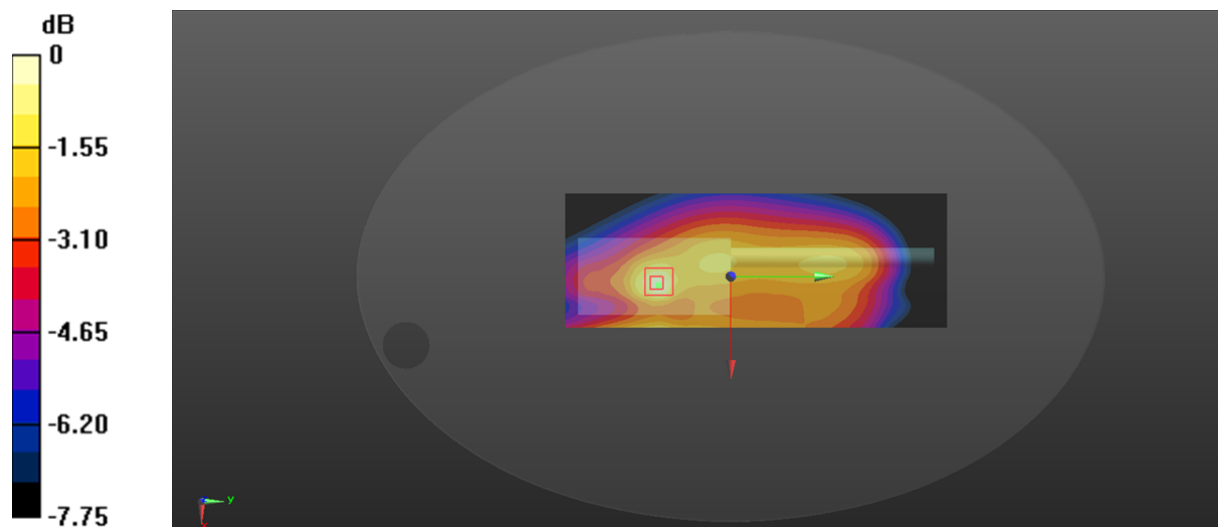
Communication System: FM; Frequency: 166.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 166.988 \text{ MHz}$; $\sigma = 0.821 \text{ S/m}$; $\epsilon_r = 60.288$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 166.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 0.283 W/kg **Zoom Scan (5x5x4)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 25.61 V/m ; Power Drift = -0.18 dB Peak SAR (extrapolated) = 0.492 W/kg **SAR(1 g) = 0.278 W/kg ; SAR(10 g) = 0.186 W/kg** Maximum value of SAR (measured) = 0.297 W/kg 0 dB = 0.297 W/kg = -5.27 dBW/kg

Test Plot 12#:173.9875 MHz_Body Back _12.5kHz _ANT2**DUT: Digital Portable Radio; Type: HP682 VHF; Serial: DG2210701-26543E-SA-S1**

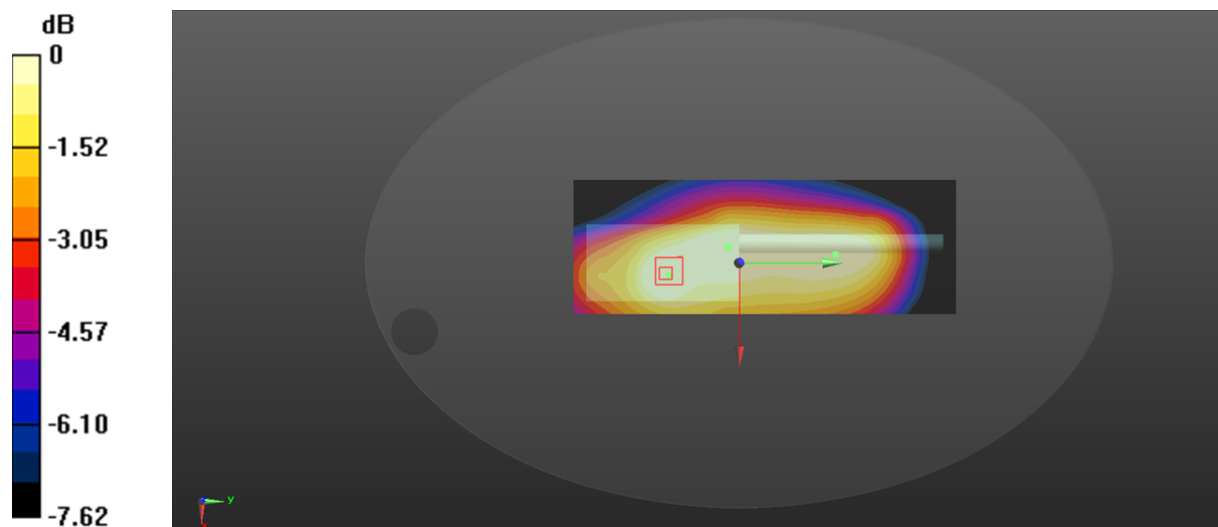
Communication System: FM; Frequency: 173.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 173.988 \text{ MHz}$; $\sigma = 0.833 \text{ S/m}$; $\epsilon_r = 60.182$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 173.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 0.770 W/kg **Zoom Scan (5x5x4)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 32.27 V/m ; Power Drift = -0.12 dB Peak SAR (extrapolated) = 0.906 W/kg **SAR(1 g) = 0.533 W/kg ; SAR(10 g) = 0.363 W/kg** Maximum value of SAR (measured) = 0.567 W/kg 0 dB = 0.567 W/kg = -2.46 dBW/kg

Test Plot 13#:136.0125 MHz_Body Back _25kHz _ANT1**DUT: Digital Portable Radio; Type: HP682 VHF; Serial: DG2210701-26543E-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.765$ S/m; $\epsilon_r = 63.732$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 136.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.76 W/kg

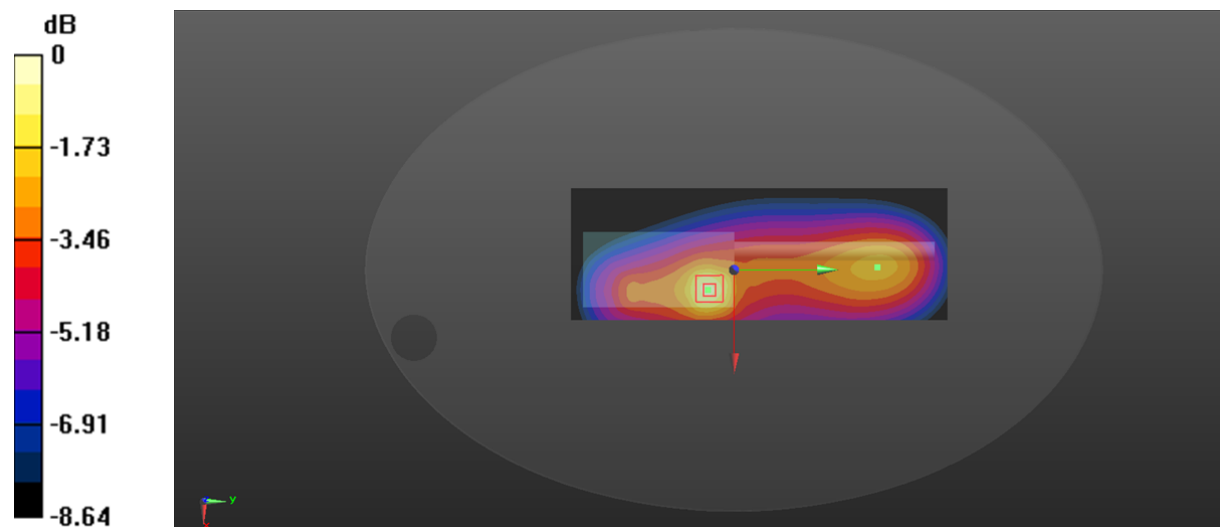
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 59.70 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 9.79 W/kg

SAR(1 g) = 4.79 W/kg; SAR(10 g) = 2.92 W/kg

Maximum value of SAR (measured) = 5.17 W/kg



0 dB = 5.17 W/kg = 7.13 dBW/kg

Test Plot 14#:143 MHz_Body Back _25kHz _ANT1**DUT: Digital Portable Radio; Type: HP682 VHF; Serial: DG2210701-26543E-SA-S1**

Communication System: FM; Frequency: 143 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 143$ MHz; $\sigma = 0.776$ S/m; $\epsilon_r = 63.343$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 143 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.09 W/kg

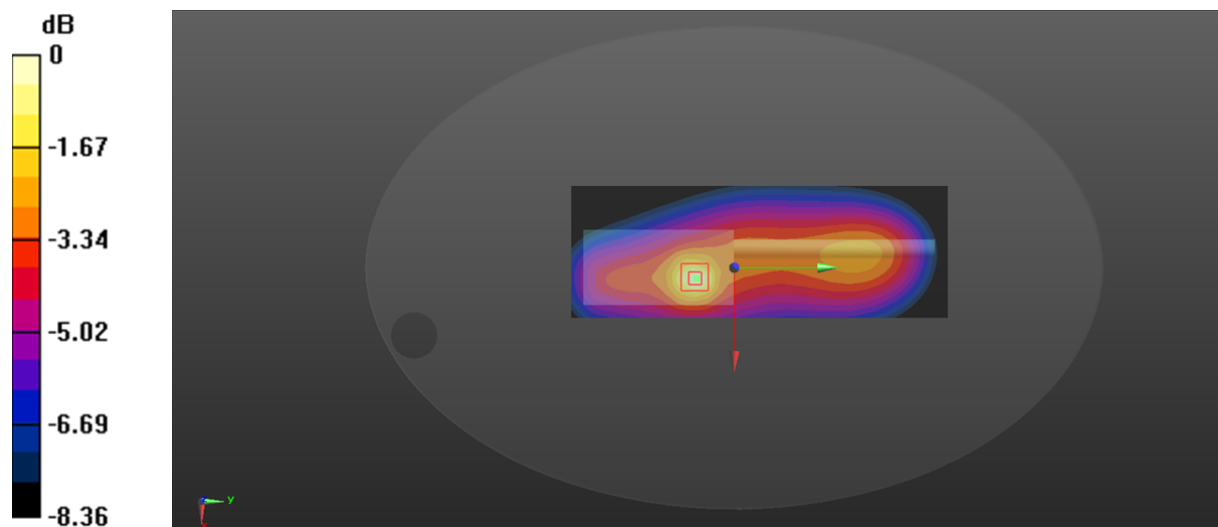
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 47.72 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 6.32 W/kg

SAR(1 g) = 3.11 W/kg; SAR(10 g) = 1.92 W/kg

Maximum value of SAR (measured) = 3.33 W/kg



0 dB = 3.33 W/kg = 5.22 dBW/kg

Test Plot 15#:149.9875 MHz_Body Back _25kHz _ANT1**DUT: Digital Portable Radio; Type: HP682 VHF; Serial: DG2210701-26543E-SA-S1**

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

Medium parameters used: $f = 149.988$ MHz; $\sigma = 0.789$ S/m; $\epsilon_r = 62.555$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 149.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.10 W/kg

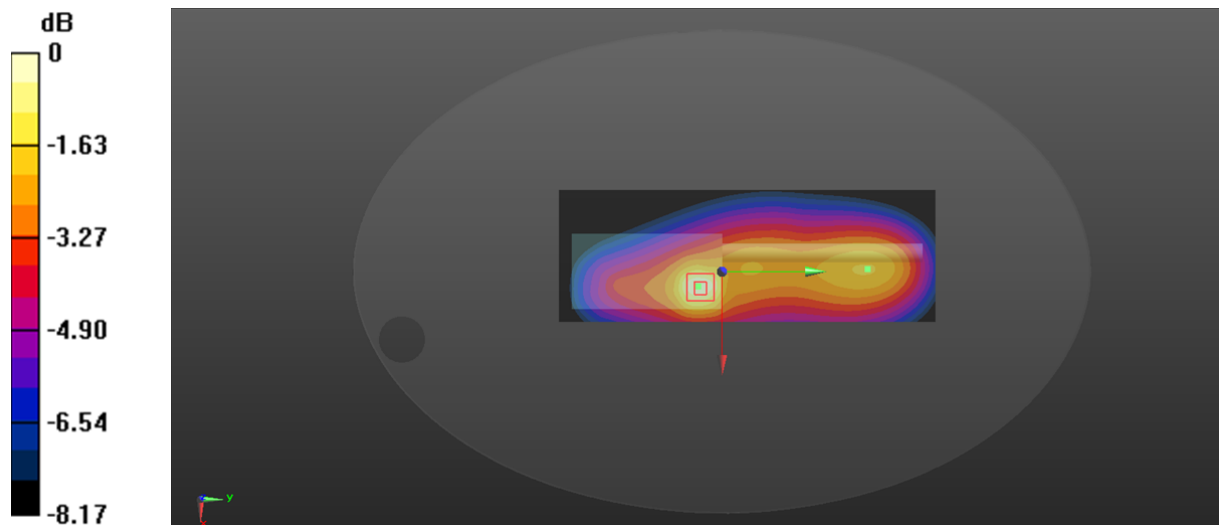
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.55 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.04 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.657 W/kg

Maximum value of SAR (measured) = 1.11 W/kg



0 dB = 1.11 W/kg = 0.45 dBW/kg

Test Plot 16#:153.0125 MHz_Body Back _25kHz _ANT2**DUT: Digital Portable Radio; Type: HP682 VHF; Serial: DG2210701-26543E-SA-S1**

Communication System: FM; Frequency: 153.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.799$ S/m; $\epsilon_r = 61.44$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 153.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.93 W/kg

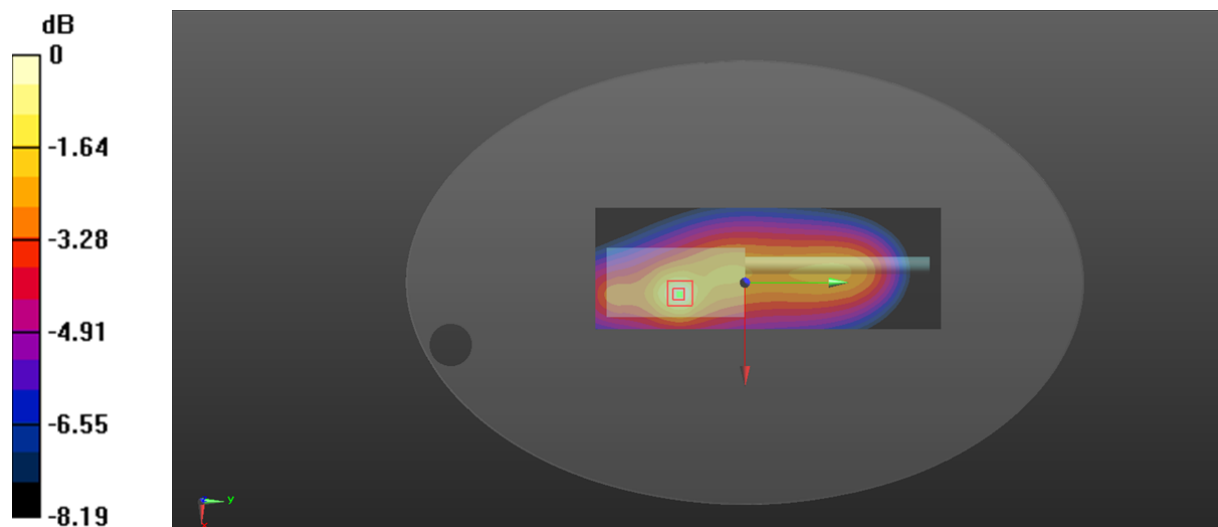
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 65.65 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 9.99 W/kg

SAR(1 g) = 5.19 W/kg; SAR(10 g) = 3.3 W/kg

Maximum value of SAR (measured) = 5.59 W/kg



0 dB = 5.59 W/kg = 7.47 dBW/kg

Test Plot 17#:136.0125 MHz_Body Back _ 4FSK _ANT1**DUT: Digital Portable Radio; Type: HP682 VHF; Serial: DG2210701-26543E-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.765$ S/m; $\epsilon_r = 63.732$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 136.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.91 W/kg

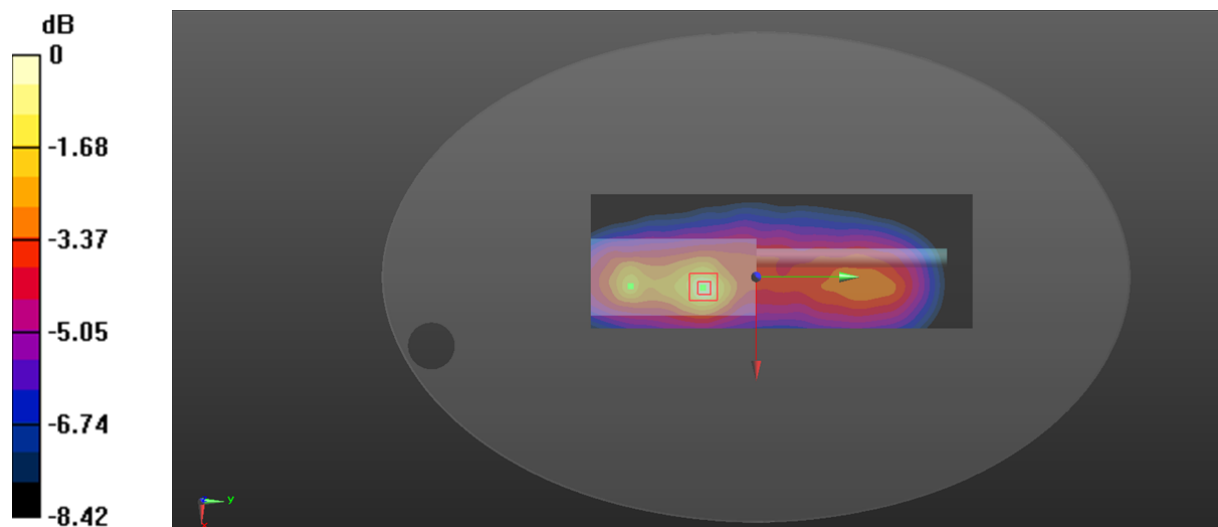
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 40.10 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 4.92 W/kg

SAR(1 g) = 2.6 W/kg; SAR(10 g) = 1.61 W/kg

Maximum value of SAR (measured) = 2.81 W/kg



0 dB = 2.81 W/kg = 4.49 dBW/kg

Test Plot 18#:153.0125 MHz_Body Back _ 4FSK _ANT2**DUT: Digital Portable Radio; Type: HP682 VHF; Serial: DG2210701-26543E-SA-S1**

Communication System: 4FSK; Frequency: 153.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.799$ S/m; $\epsilon_r = 61.44$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 153.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.86 W/kg

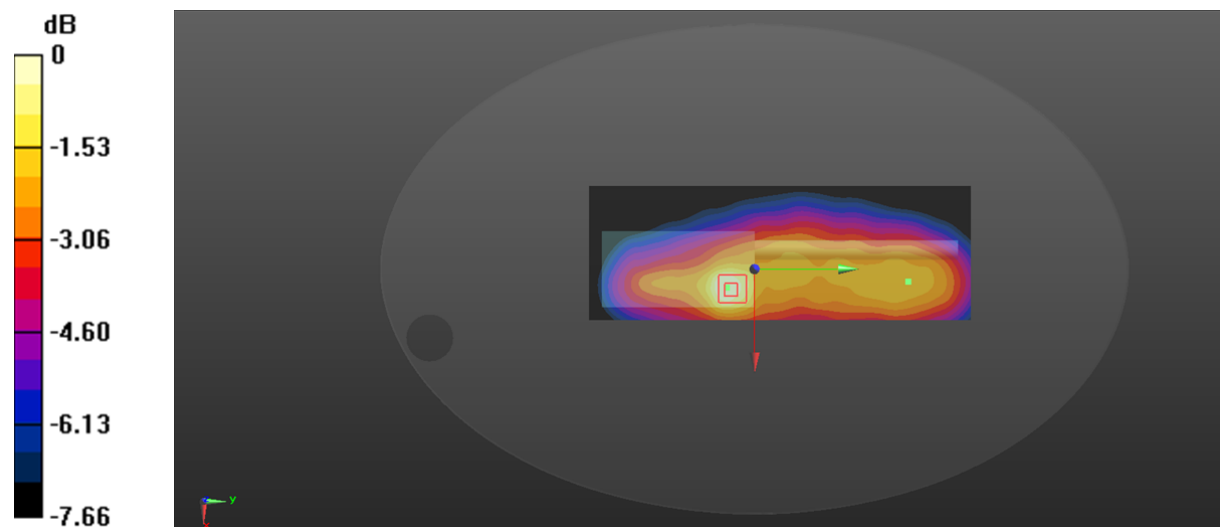
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 49.05 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 4.49 W/kg

SAR(1 g) = 2.61 W/kg; SAR(10 g) = 1.73 W/kg

Maximum value of SAR (measured) = 2.71 W/kg



0 dB = 2.71 W/kg = 4.33 dBW/kg

Test Plot 19#: 136.0125 MHz_ Face Up_12.5kHz_ANT1**DUT: Digital Portable Radio; Type: HP602 VHF; Serial: DG2210701-26542E-SA-S2**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.725$ S/m; $\epsilon_r = 53.743$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 136.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.28 W/kg

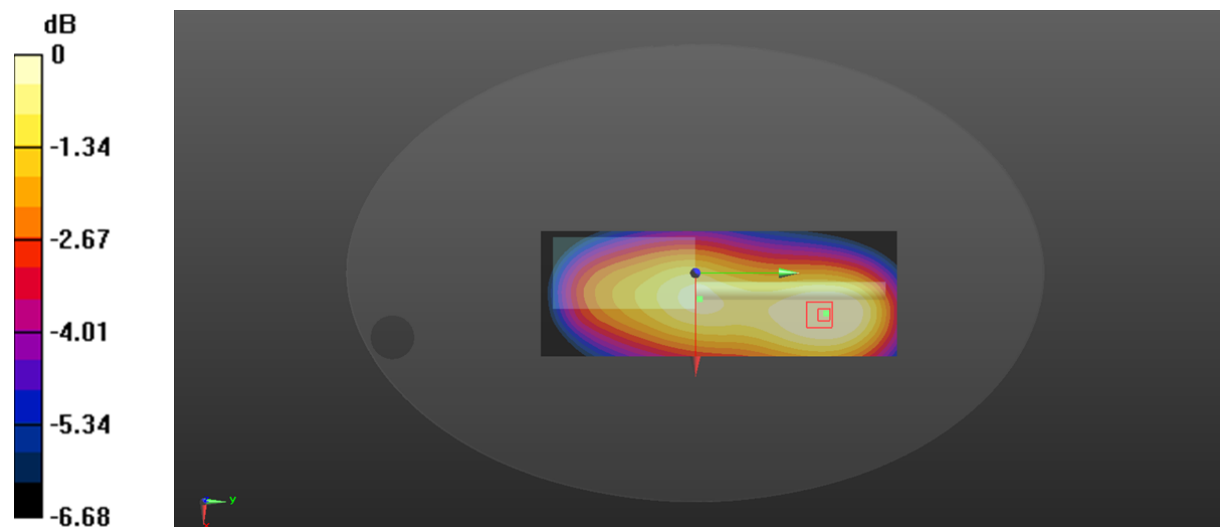
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 40.02 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.862 W/kg

Maximum value of SAR (measured) = 1.18 W/kg



0 dB = 1.18 W/kg = 0.72 dBW/kg

Test Plot 20#: 153.0125 MHz_ Face Up_12.5kHz_ANT2**DUT: Digital Portable Radio; Type: HP602 VHF; Serial: DG2210701-26542E-SA-S2**

Communication System: FM; Frequency: 153.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.761$ S/m; $\epsilon_r = 52.096$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 153.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.59 W/kg

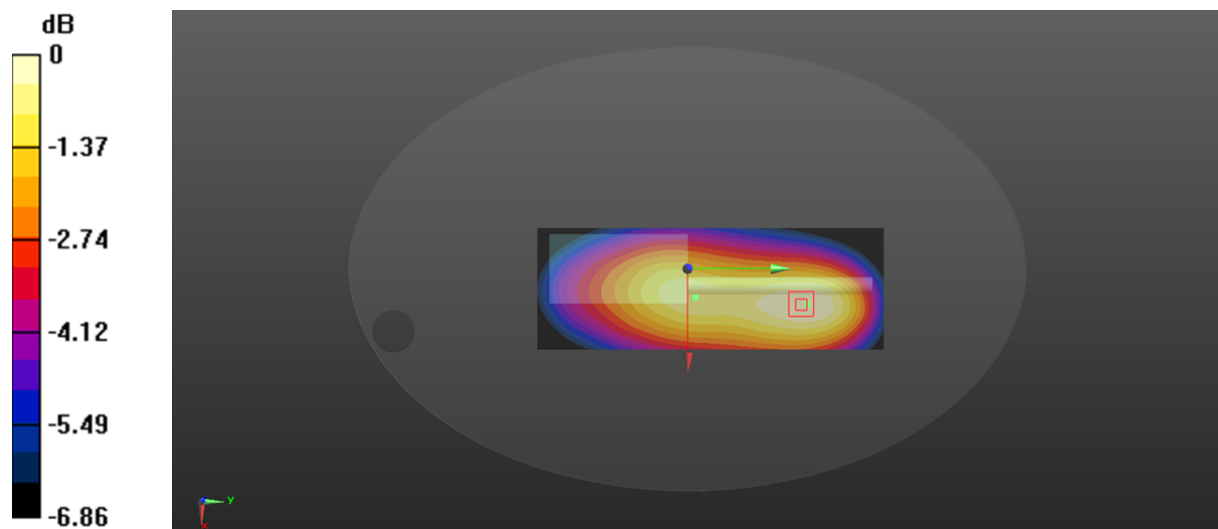
Zoom Scan (5x5x4)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 40.47 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 1.52 W/kg; SAR(10 g) = 1.16 W/kg

Maximum value of SAR (measured) = 1.58 W/kg



0 dB = 1.58 W/kg = 1.99 dBW/kg

Test Plot 21#: 136.0125 MHz_ Face Up_25kHz_ANT1**DUT: Digital Portable Radio; Type: HP602 VHF; Serial: DG2210701-26542E-SA-S2**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.725$ S/m; $\epsilon_r = 53.743$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 136.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 2.07 W/kg

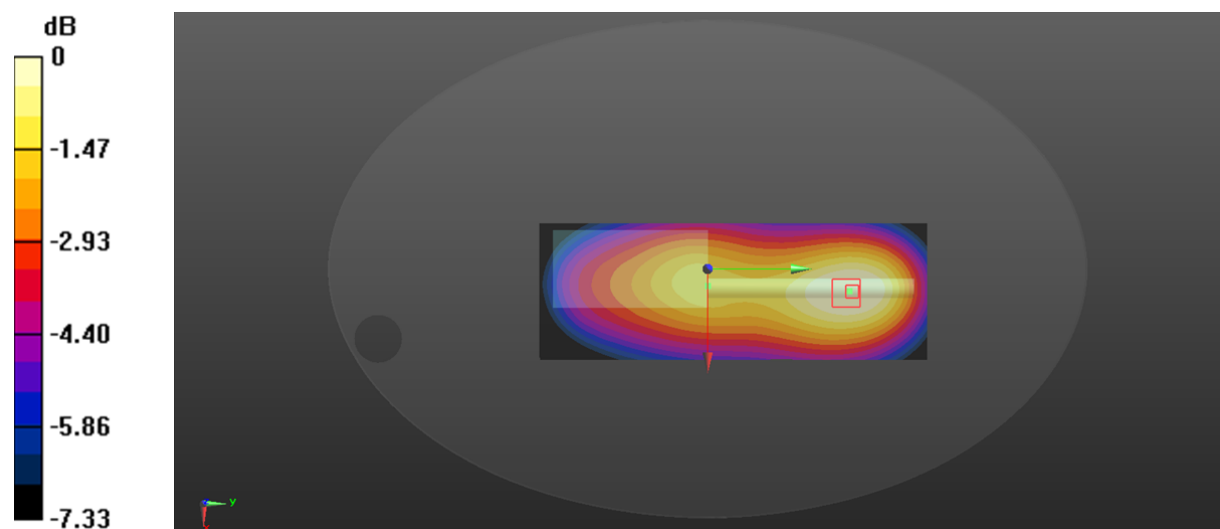
Zoom Scan (5x5x4)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 45.03 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.69 W/kg

SAR(1 g) = 1.86 W/kg; SAR(10 g) = 1.38 W/kg

Maximum value of SAR (measured) = 1.94 W/kg



0 dB = 1.94 W/kg = 2.88 dBW/kg

Test Plot 22#: 153.0125 MHz _ Face Up_25kHz_ANT2**DUT: Digital Portable Radio; Type: HP602 VHF; Serial: DG2210701-26542E-SA-S2**

Communication System: FM; Frequency: 153.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.761$ S/m; $\epsilon_r = 52.096$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 153.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.51 W/kg

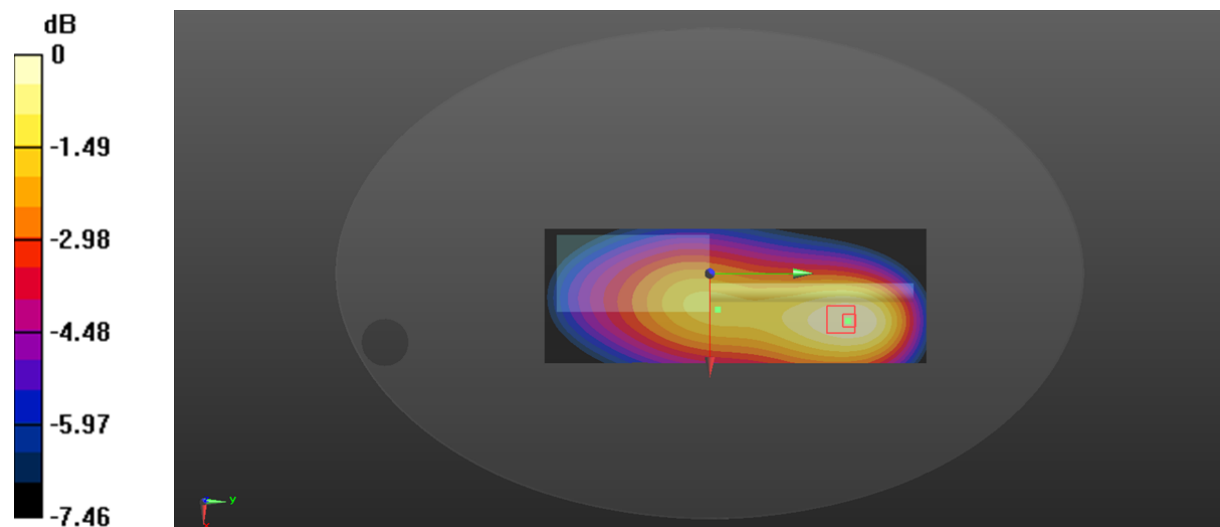
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 45.39 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 3.48 W/kg

SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.75 W/kg

Maximum value of SAR (measured) = 2.48 W/kg



0 dB = 2.48 W/kg = 3.94 dBW/kg

Test Plot 23#: 136.0125 MHz_ Face Up_4FSK _ANT1**DUT: Digital Portable Radio; Type: HP602 VHF; Serial: DG2210701-26542E-SA-S2**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.725$ S/m; $\epsilon_r = 53.743$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 136.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.65 W/kg

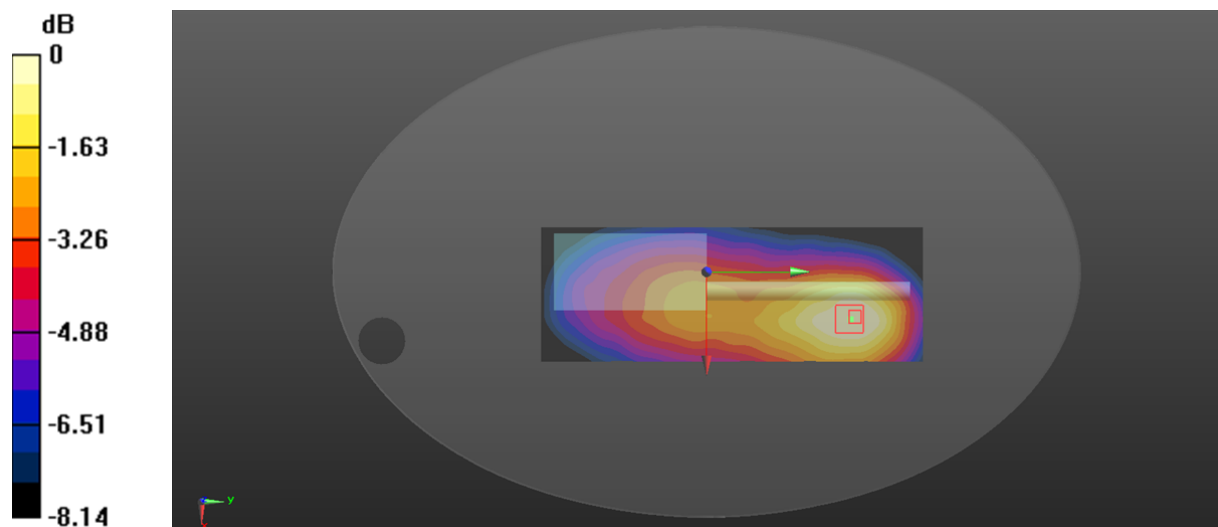
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.62 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.53 W/kg

SAR(1 g) = 1.47 W/kg; SAR(10 g) = 1.03 W/kg

Maximum value of SAR (measured) = 1.53 W/kg



0 dB = 1.53 W/kg = 1.85 dBW/kg

Test Plot 24#: 153.0125 MHz _ Face Up_4FSK_ANT2**DUT: Digital Portable Radio; Type: HP602 VHF; Serial: DG2210701-26542E-SA-S2**

Communication System: 4FSK; Frequency: 153.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.761$ S/m; $\epsilon_r = 52.096$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 153.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.66 W/kg

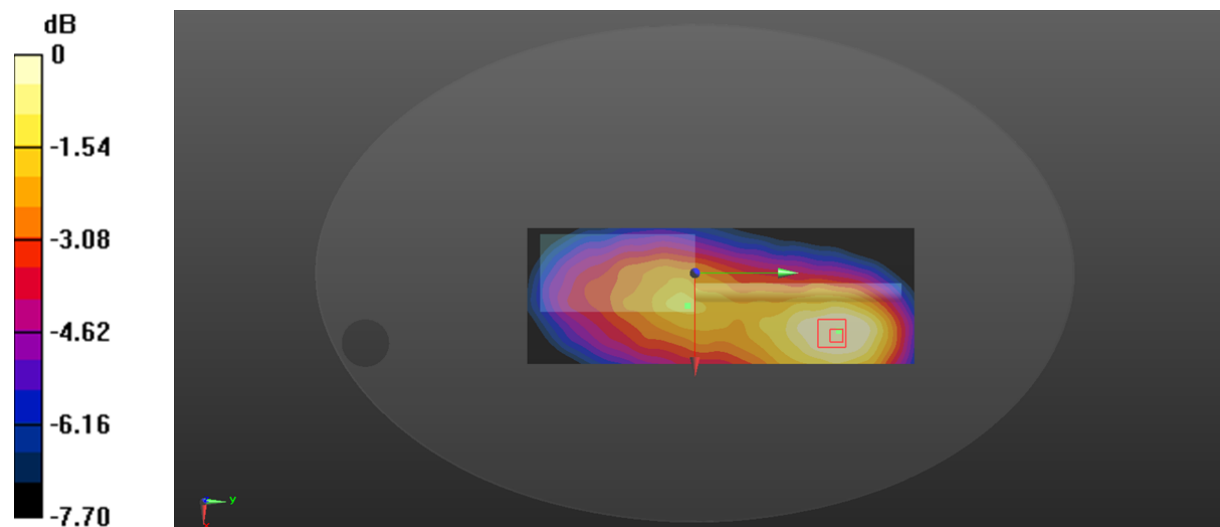
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.91 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.33 W/kg

SAR(1 g) = 1.46 W/kg; SAR(10 g) = 1.07 W/kg

Maximum value of SAR (measured) = 1.55 W/kg



0 dB = 1.55 W/kg = 1.90 dBW/kg

Test Plot 25#: 136.0125 MHz_ Body Back_12.5kHz_ANT1**DUT: Digital Portable Radio; Type: HP602 VHF; Serial: DG2210701-26542E-SA-S2**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.765$ S/m; $\epsilon_r = 63.732$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 136.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.01 W/kg

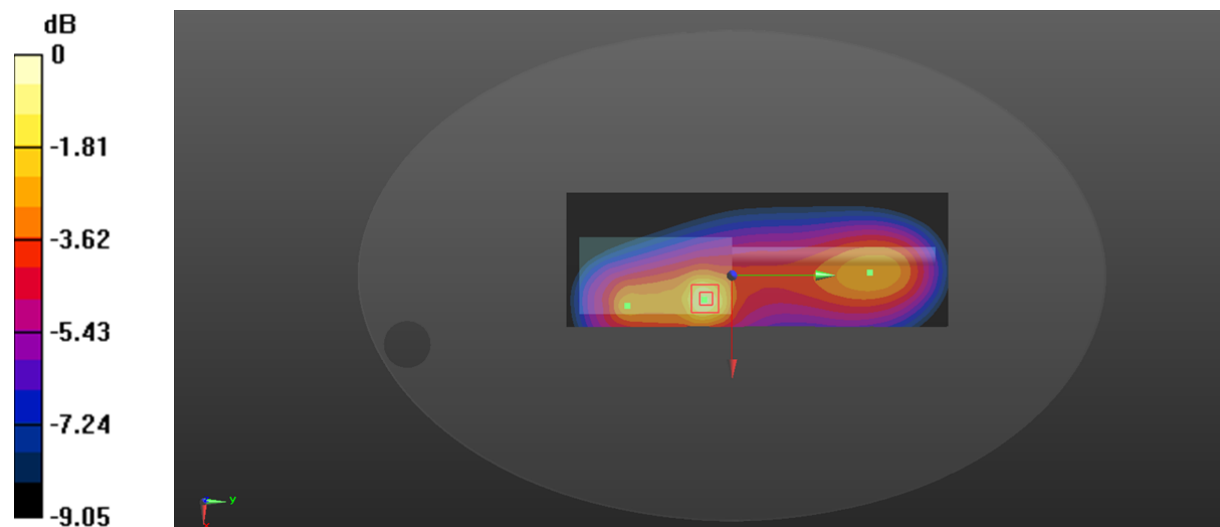
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 63.31 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 15.4 W/kg

SAR(1 g) = 6.46 W/kg; SAR(10 g) = 3.72 W/kg

Maximum value of SAR (measured) = 6.74 W/kg



0 dB = 6.74 W/kg = 8.29 dBW/kg

Test Plot 26#: 153.0125 MHz_ Body Back_12.5kHz_ANT2**DUT: Digital Portable Radio; Type: HP602 VHF; Serial: DG2210701-26542E-SA-S2**

Communication System: FM; Frequency: 153.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.799$ S/m; $\epsilon_r = 61.44$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 153.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.20 W/kg

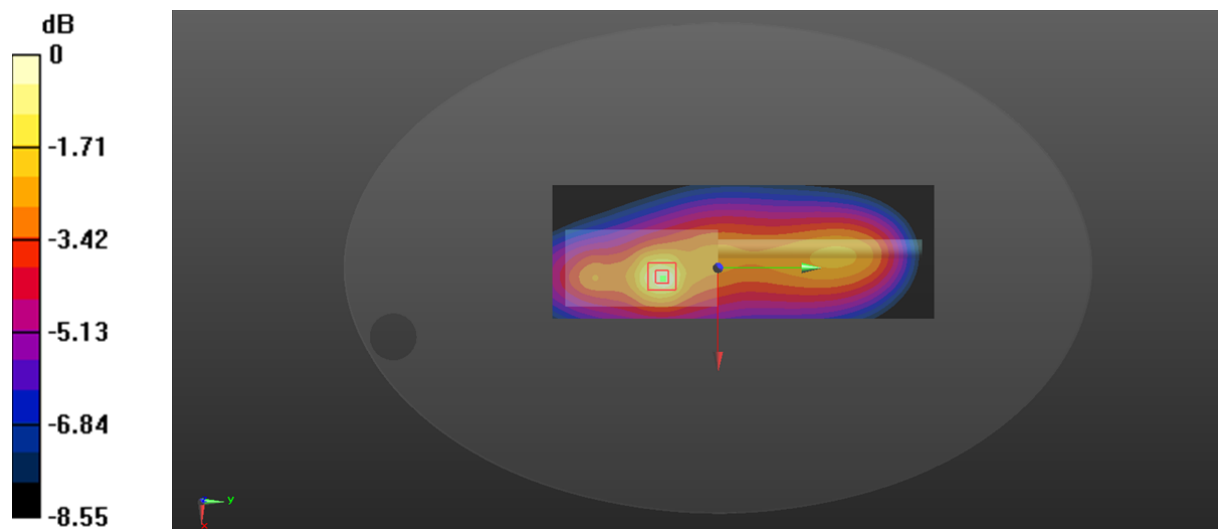
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 73.72 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 13.7 W/kg

SAR(1 g) = 6.52 W/kg; SAR(10 g) = 3.98 W/kg

Maximum value of SAR (measured) = 6.98 W/kg



0 dB = 6.98 W/kg = 8.44 dBW/kg

Test Plot 27#: 136.0125 MHz_ Body Back_25kHz_ANT1**DUT: Digital Portable Radio; Type: HP602 VHF; Serial: DG2210701-26542E-SA-S2**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.765$ S/m; $\epsilon_r = 63.732$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 136.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.69 W/kg

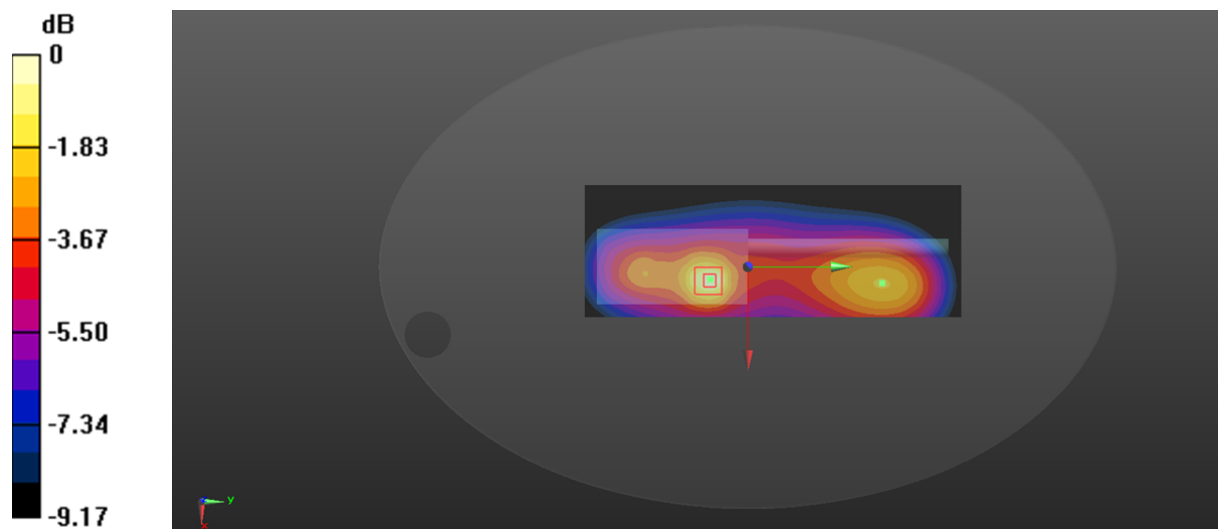
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 60.74 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 15.5 W/kg

SAR(1 g) = 6.55 W/kg; SAR(10 g) = 3.76 W/kg

Maximum value of SAR (measured) = 6.95 W/kg



0 dB = 6.95 W/kg = 8.42 dBW/kg

Test Plot 28#: 143 MHz_ Body Back_25kHz_ANT1**DUT: Digital Portable Radio; Type: HP602 VHF; Serial: DG2210701-26542E-SA-S2**

Communication System: FM; Frequency: 143 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 143$ MHz; $\sigma = 0.776$ S/m; $\epsilon_r = 63.343$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 143 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.64 W/kg

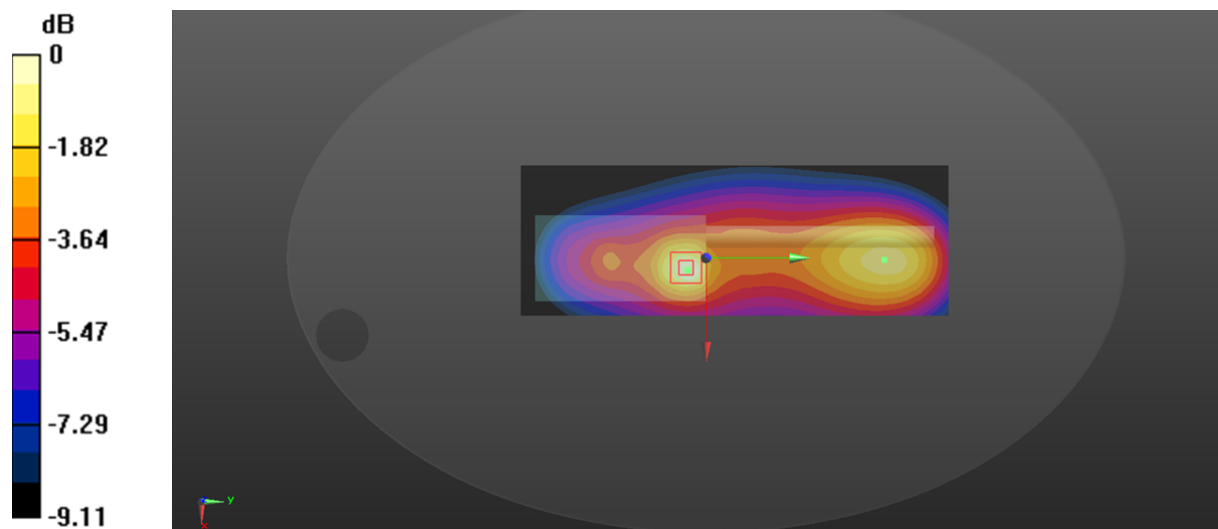
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.95 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 7.59 W/kg

SAR(1 g) = 3.37 W/kg; SAR(10 g) = 1.98 W/kg

Maximum value of SAR (measured) = 3.52 W/kg



0 dB = 3.52 W/kg = 5.47 dBW/kg

Test Plot 29#: 149.9875 MHz_ Body Back_25kHz_ANT1**DUT: Digital Portable Radio; Type: HP602 VHF; Serial: DG2210701-26542E-SA-S2**

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

Medium parameters used: $f = 149.988$ MHz; $\sigma = 0.789$ S/m; $\epsilon_r = 62.555$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 149.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.06 W/kg

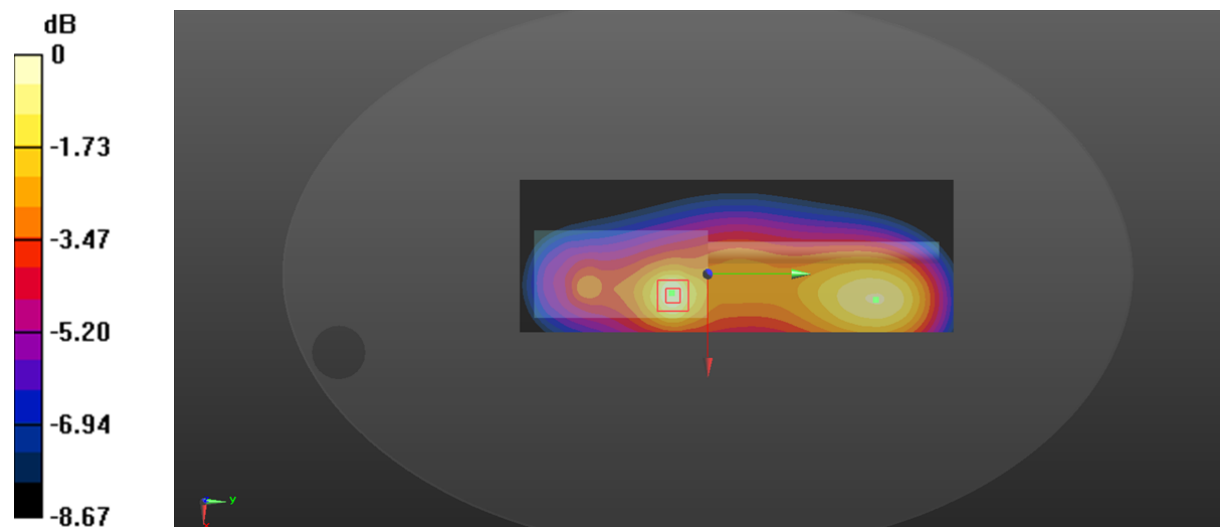
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.92 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 2.12 W/kg

SAR(1 g) = 0.969 W/kg; SAR(10 g) = 0.585 W/kg

Maximum value of SAR (measured) = 1.02 W/kg



0 dB = 1.02 W/kg = 0.09 dBW/kg

Test Plot 30#: 146.0125 MHz_ Body Back_25kHz_ANT2**DUT: Digital Portable Radio; Type: HP602 VHF; Serial: DG2210701-26542E-SA-S2**

Communication System: FM; Frequency: 146.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 146.012$ MHz; $\sigma = 0.781$ S/m; $\epsilon_r = 63.12$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 146.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.09 W/kg

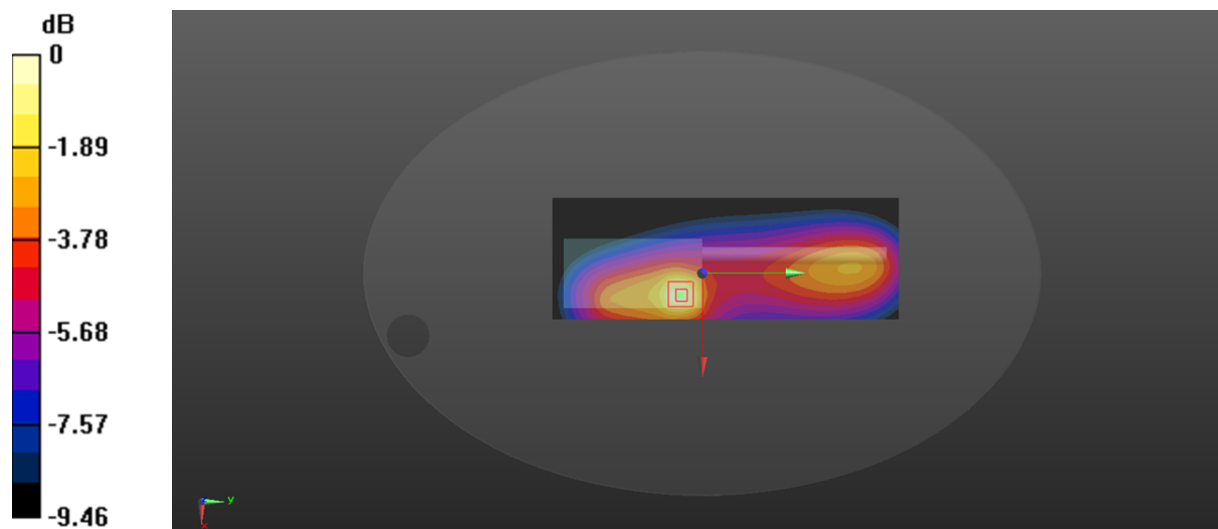
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.25 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 5.17 W/kg

SAR(1 g) = 2.04 W/kg; SAR(10 g) = 1.14 W/kg

Maximum value of SAR (measured) = 2.16 W/kg



0 dB = 2.16 W/kg = 3.34 dBW/kg

Test Plot 31#: 153.0125 MHz _ Body Back _25kHz _ANT2**DUT: Digital Portable Radio; Type: HP602 VHF; Serial: DG2210701-26542E-SA-S2**

Communication System: FM; Frequency: 153.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.799$ S/m; $\epsilon_r = 61.44$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 153.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.35 W/kg

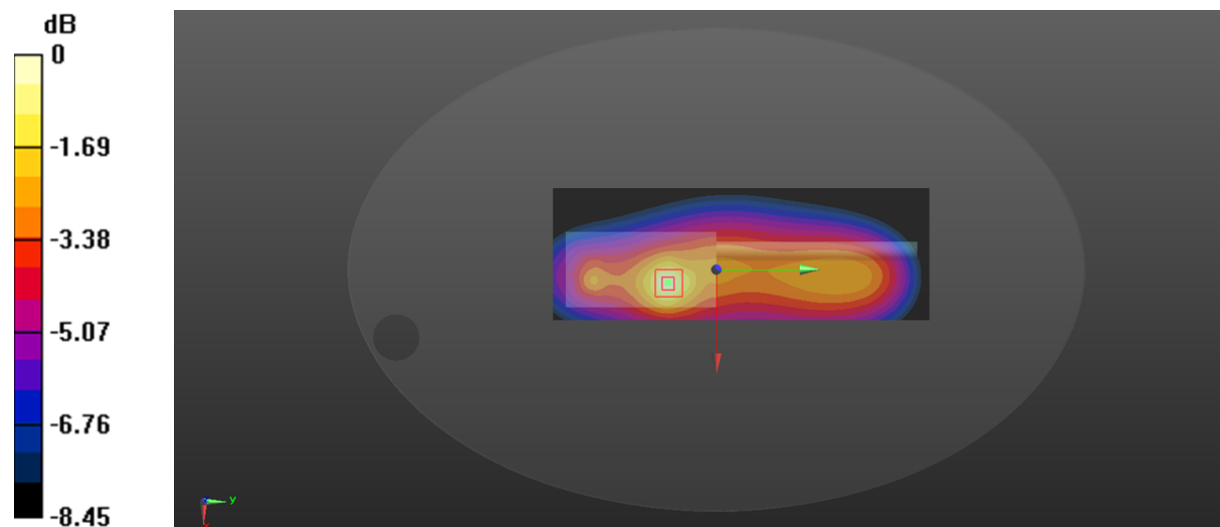
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 71.89 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 13.5 W/kg

SAR(1 g) = 6.56 W/kg; SAR(10 g) = 4.06 W/kg

Maximum value of SAR (measured) = 7.06 W/kg



0 dB = 7.06 W/kg = 8.49 dBW/kg

Test Plot 32#: 160MHz_ Body Back_25kHz_ANT2**DUT: Digital Portable Radio; Type: HP602 VHF; Serial: DG2210701-26542E-SA-S2**

Communication System: FM; Frequency: 160 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 160$ MHz; $\sigma = 0.812$ S/m; $\epsilon_r = 61.424$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 160 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.49 W/kg

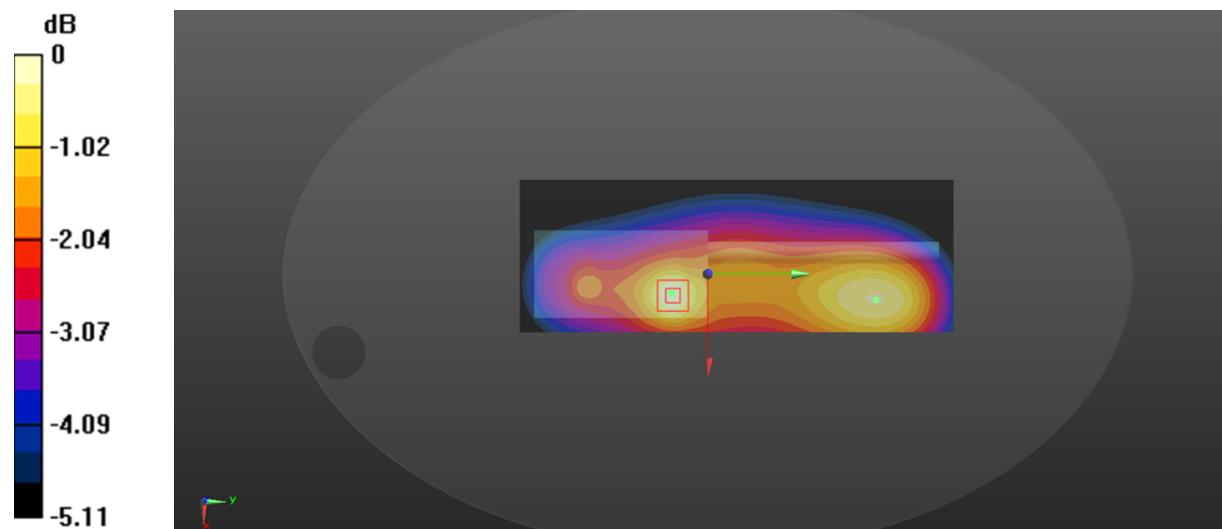
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 63.56 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.82 W/kg

SAR(1 g) = 3.21 W/kg; SAR(10 g) = 2.63 W/kg

Maximum value of SAR (measured) = 3.32 W/kg



0 dB = 3.32 W/kg = 5.21 dBW/kg

Test Plot 33#: 166.9875 MHz_ Body Back_25kHz_ANT2**DUT: Digital Portable Radio; Type: HP602 VHF; Serial: DG2210701-26542E-SA-S2**

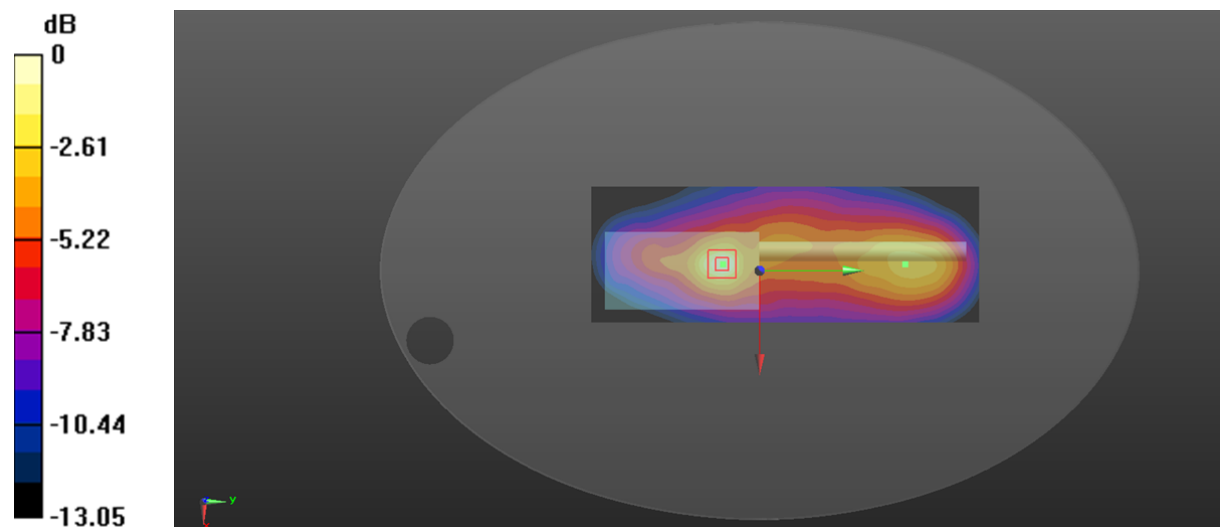
Communication System: FM; Frequency: 166.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 166.988 \text{ MHz}$; $\sigma = 0.821 \text{ S/m}$; $\epsilon_r = 60.288$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 166.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 0.832 W/kg **Zoom Scan (5x5x4)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 28.69 V/m ; Power Drift = 0.19 dB Peak SAR (extrapolated) = 1.93 W/kg **SAR(1 g) = 0.799 W/kg ; SAR(10 g) = 0.618 W/kg** Maximum value of SAR (measured) = 0.831 W/kg 0 dB = 0.831 W/kg = -0.80 dBW/kg

Test Plot 34#: 173.9875 MHz_ Body Back_25kHz_ANT2**DUT: Digital Portable Radio; Type: HP602 VHF; Serial: DG2210701-26542E-SA-S2**

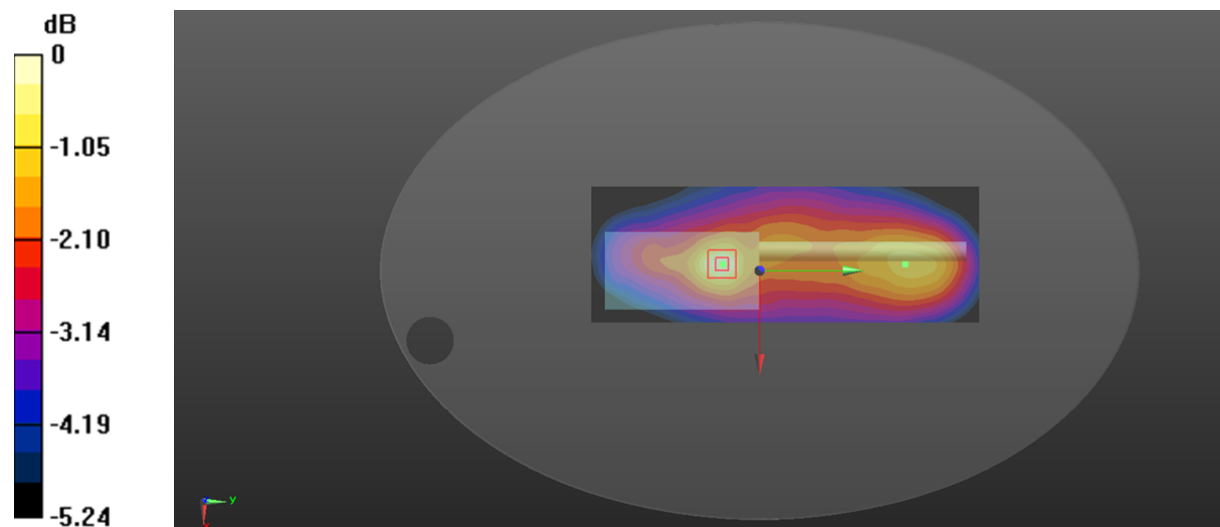
Communication System: FM; Frequency: 173.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 173.988 \text{ MHz}$; $\sigma = 0.833 \text{ S/m}$; $\epsilon_r = 60.182$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 173.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 0.824 W/kg **Zoom Scan (5x5x4)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 27.47 V/m ; Power Drift = 0.18 dB Peak SAR (extrapolated) = 0.962 W/kg **SAR(1 g) = 0.800 W/kg ; SAR(10 g) = 0.652 W/kg** Maximum value of SAR (measured) = 0.829 W/kg 0 dB = 0.829 W/kg = -0.81 dBW/kg

Test Plot 35#: 136.0125 MHz_ Body Back_4FSK _ANT1**DUT: Digital Portable Radio; Type: HP602 VHF; Serial: DG2210701-26542E-SA-S2**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.765$ S/m; $\epsilon_r = 63.732$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 136.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.92 W/kg

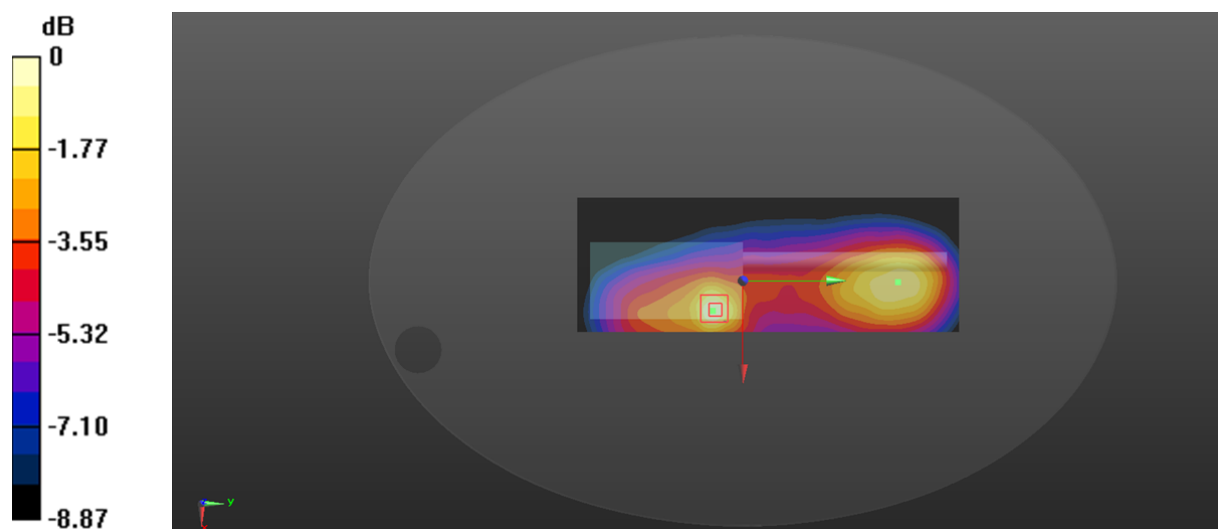
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.66 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 5.29 W/kg

SAR(1 g) = 2.62 W/kg; SAR(10 g) = 1.57 W/kg

Maximum value of SAR (measured) = 2.76 W/kg



0 dB = 2.76 W/kg = 4.41 dBW/kg

Test Plot 36#: 153.0125 MHz_ Body Back_4FSK _ANT2**DUT: Digital Portable Radio; Type: HP602 VHF; Serial: DG2210701-26542E-SA-S2**

Communication System: 4FSK; Frequency: 153.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.799$ S/m; $\epsilon_r = 61.44$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 153.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x201x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.00 W/kg

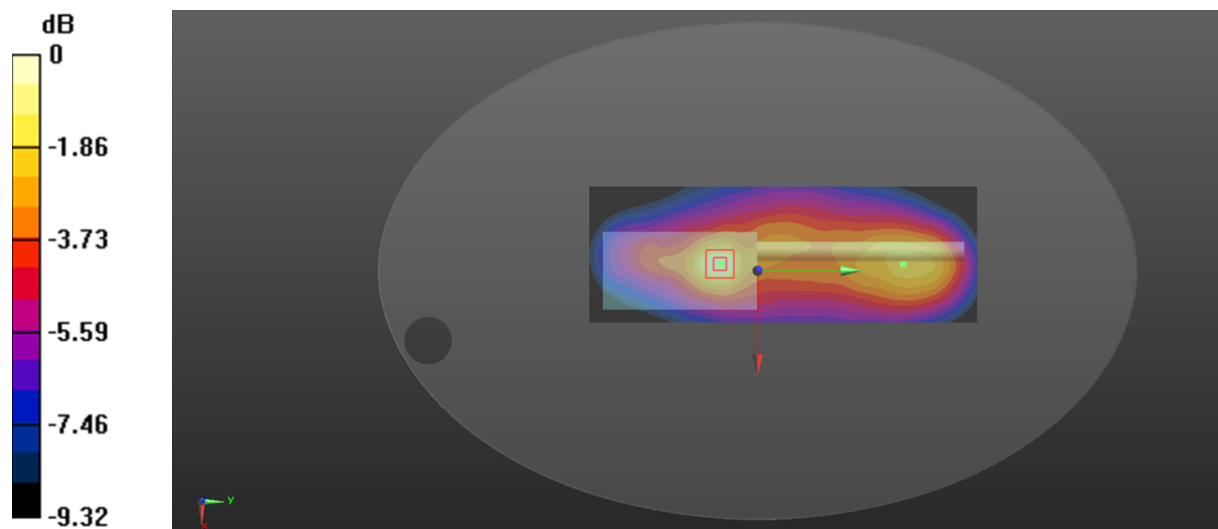
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 42.56 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 4.79 W/kg

SAR(1 g) = 2.62 W/kg; SAR(10 g) = 1.6 W/kg

Maximum value of SAR (measured) = 2.87 W/kg



0 dB = 2.87 W/kg = 4.58 dBW/kg