

Test Plot 1#: FM_12.5kHz_136.0125MHz_Face Up_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.723$ S/m; $\epsilon_r = 53.635$; $\rho = 1000$ 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 (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

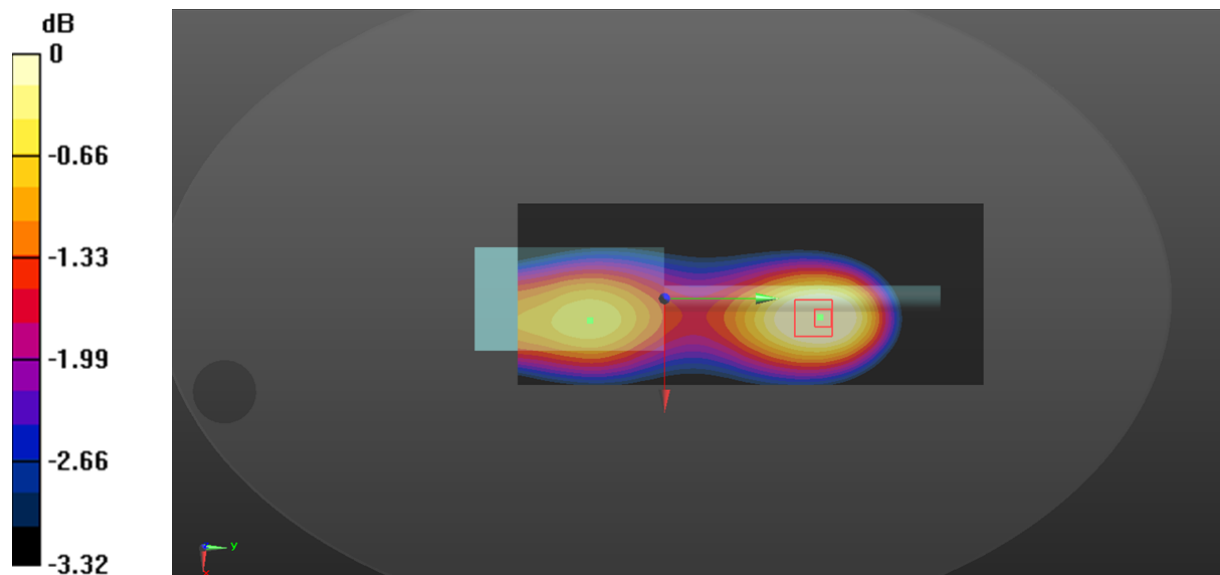
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 93.05 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 14.2 W/kg

SAR(1 g) = 3.53 W/kg; SAR(10 g) = 2.61 W/kg

Maximum value of SAR (measured) = 9.79 W/kg



0 dB = 9.79 W/kg = 9.91 dBW/kg

Test Plot 2#: FM_12.5kHz_153.0125MHz_Face Up_Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.758$ S/m; $\epsilon_r = 51.423$; $\rho = 1000$ 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 (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

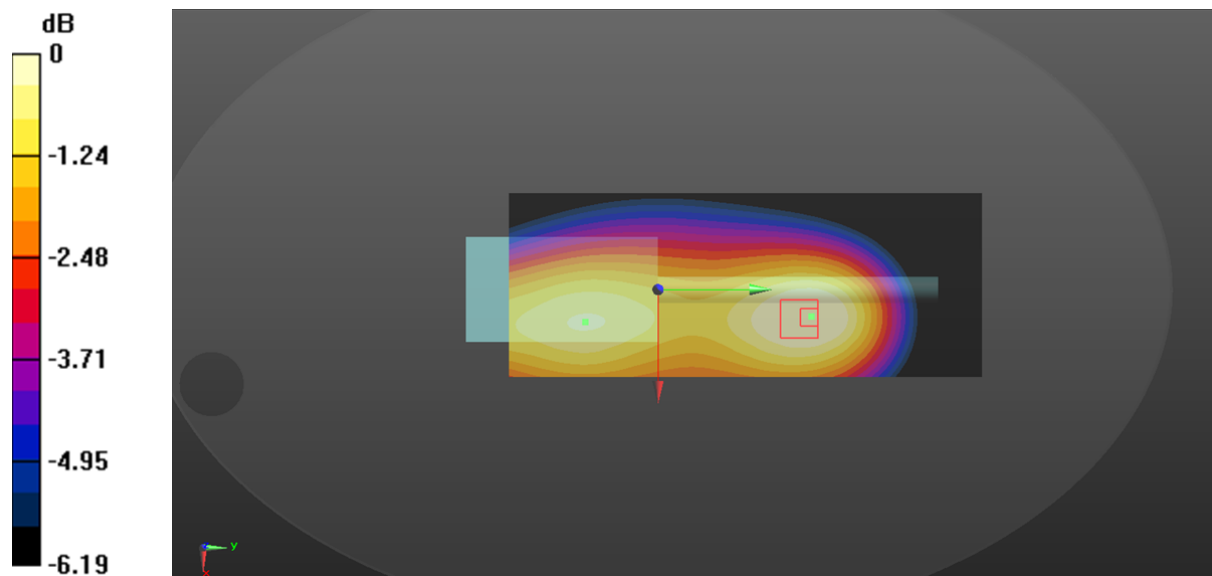
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 89.96 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 11.1 W/kg

SAR(1 g) = 3.76 W/kg; SAR(10 g) = 2.78 W/kg

Maximum value of SAR (measured) = 7.93 W/kg



0 dB = 7.93 W/kg = 8.99 dBW/kg

Test Plot 3#: FM_25kHz_136.0125MHz_Face Up_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.723$ S/m; $\epsilon_r = 53.635$; $\rho = 1000$ 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 (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.81 W/kg

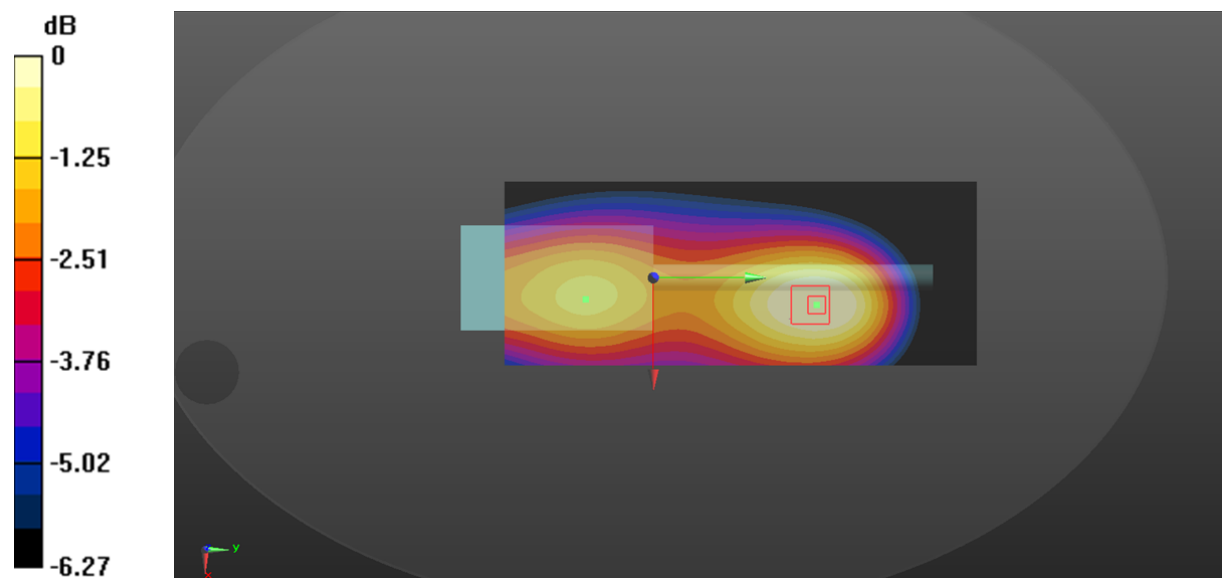
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 73.33 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 9.13 W/kg

SAR(1 g) = 1.97 W/kg; SAR(10 g) = 1.46 W/kg

Maximum value of SAR (measured) = 6.35 W/kg



0 dB = 6.35 W/kg = 8.03 dBW/kg

Test Plot 4#: FM_25kHz_153.0125MHz_Face Up_Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.758$ S/m; $\epsilon_r = 51.423$; $\rho = 1000$ 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 (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.08 W/kg

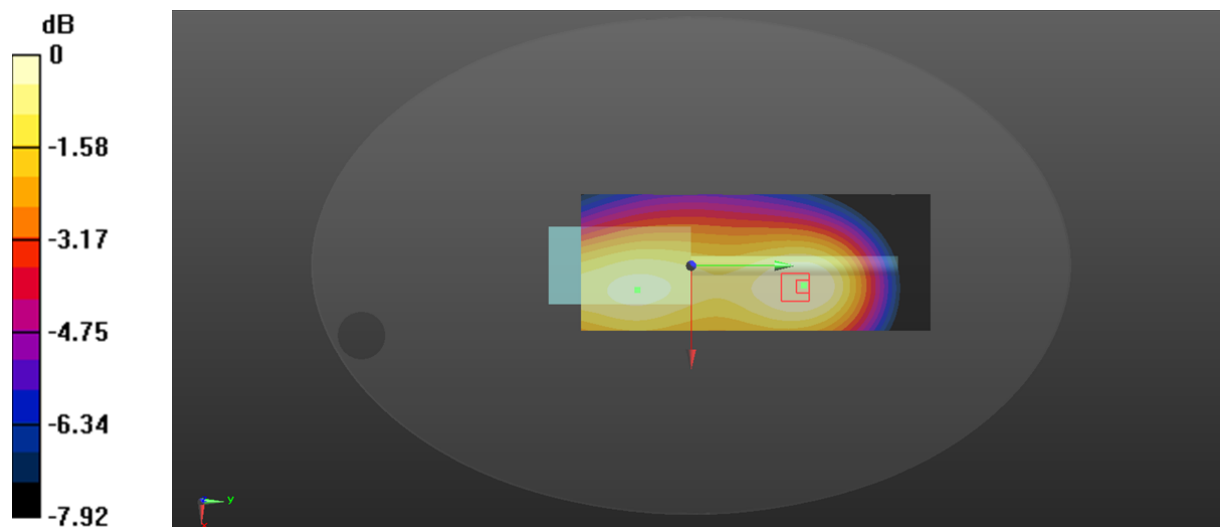
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 40.94 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 2.81 W/kg

SAR(1 g) = 1.36 W/kg; SAR(10 g) = 1.01 W/kg

Maximum value of SAR (measured) = 2.05 W/kg



0 dB = 2.05 W/kg = 3.12 dBW/kg

Test Plot 5#: 4FSK_12.5kHz_136.0125MHz_Face Up_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.723$ S/m; $\epsilon_r = 53.635$; $\rho = 1000$ 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 (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.29 W/kg

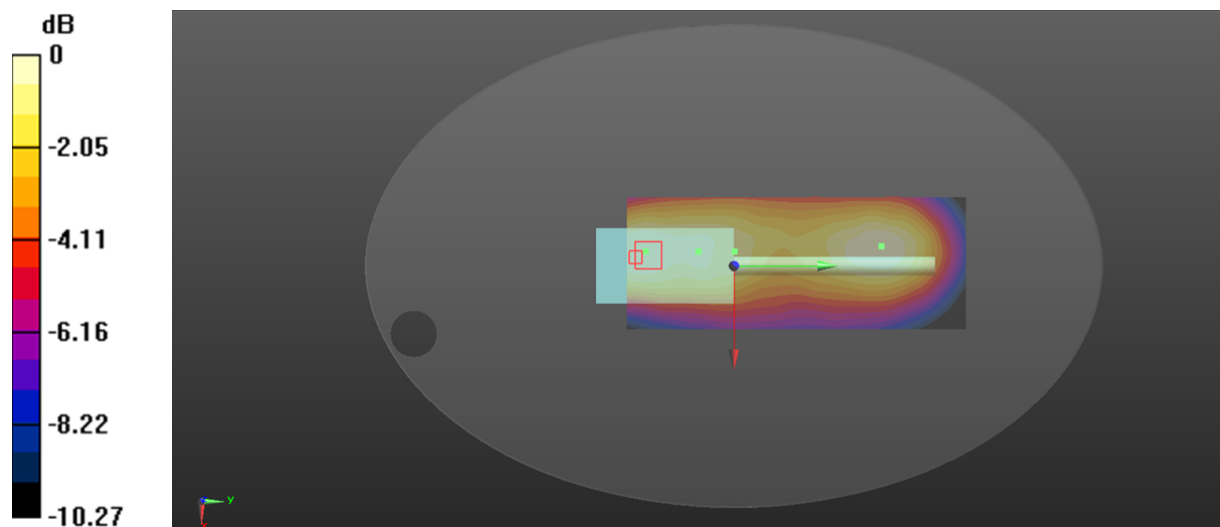
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.86 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.792 W/kg

Maximum value of SAR (measured) = 1.25 W/kg



0 dB = 1.25 W/kg = 0.97 dBW/kg

Test Plot 6#: 4FSK_12.5kHz_153.0125MHz_Face Up_Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.758$ S/m; $\epsilon_r = 51.423$; $\rho = 1000$ 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 (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.786 W/kg

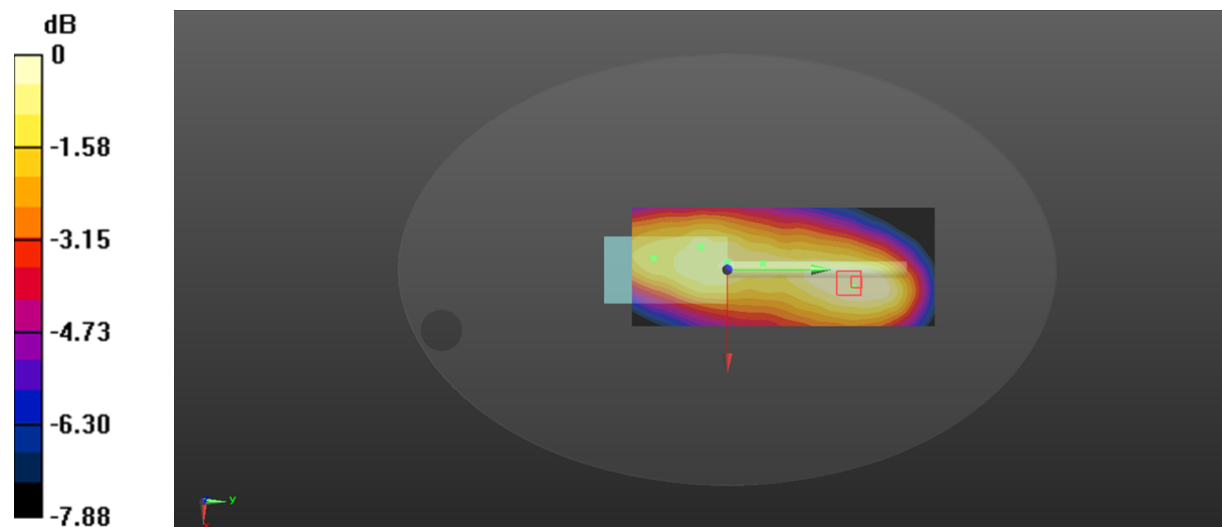
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.23 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.730 W/kg; SAR(10 g) = 0.525 W/kg

Maximum value of SAR (measured) = 0.754 W/kg



0 dB = 0.754 W/kg = -1.23 dBW/kg

Test Plot 7#: FM_12.5kHz_136.0125MHz_Body Back_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.763$ S/m; $\epsilon_r = 63.989$; $\rho = 1000$ 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 (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.37 W/kg

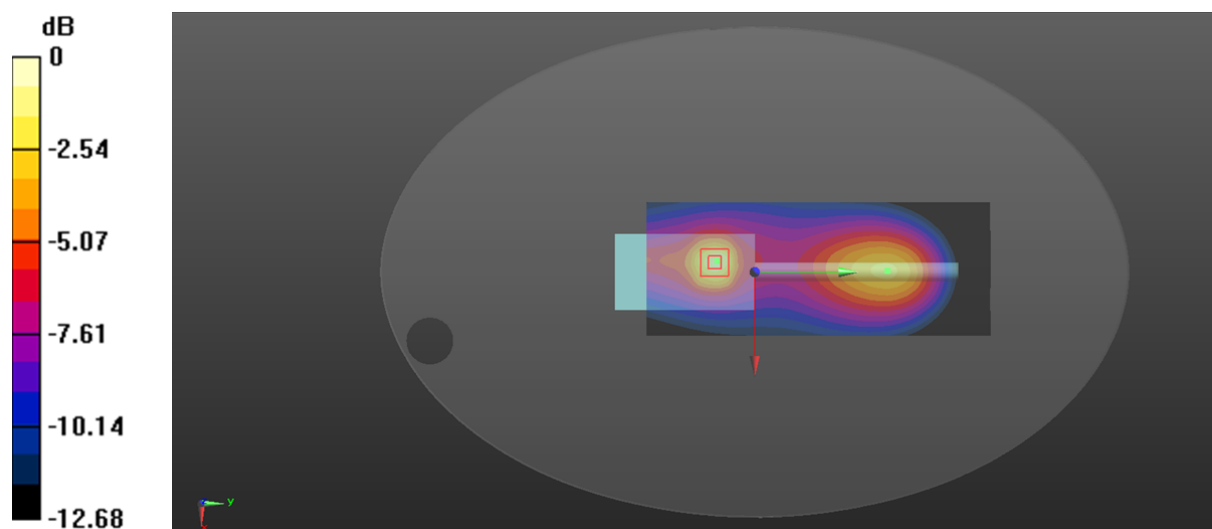
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 50.28 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 28.2 W/kg

SAR(1 g) = 8.56 W/kg; SAR(10 g) = 4.1 W/kg

Maximum value of SAR (measured) = 9.55 W/kg



0 dB = 9.55 W/kg = 9.80 dBW/kg

Test Plot 8#: FM_12.5kHz_143MHz_Body Back_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1**

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

Medium parameters used: $f = 143$ MHz; $\sigma = 0.774$ S/m; $\epsilon_r = 63.675$; $\rho = 1000$ 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 (71x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.31 W/kg

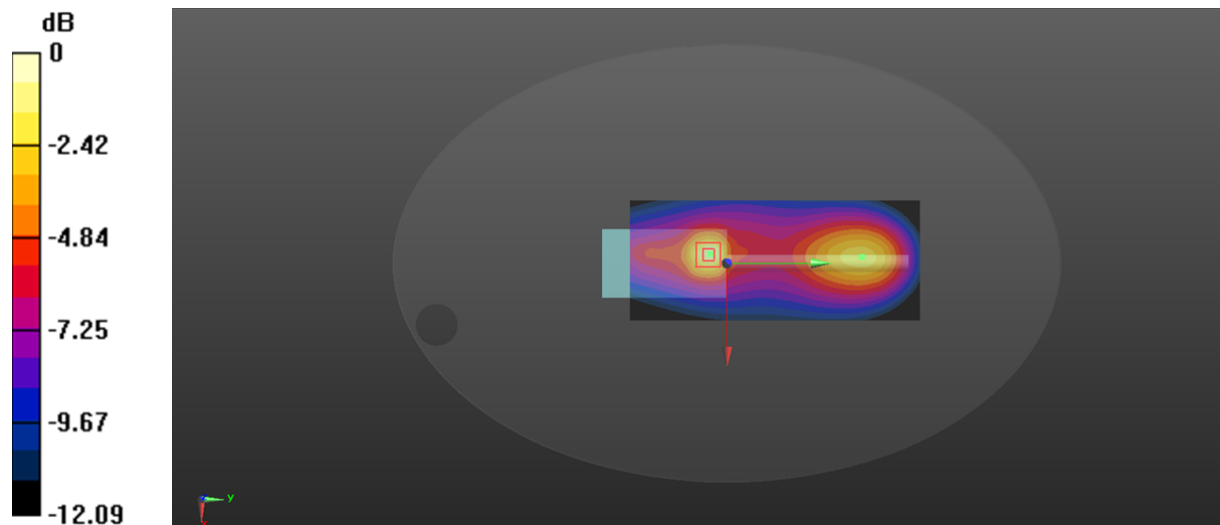
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 50.85 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 16.5 W/kg

SAR(1 g) = 5.5 W/kg; SAR(10 g) = 2.66 W/kg

Maximum value of SAR (measured) = 5.87 W/kg



0 dB = 5.87 W/kg = 7.69 dBW/kg

Test Plot 9#: FM_12.5kHz_149.9875MHz_Body Back_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-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; $\epsilon_r = 62.029$; $\rho = 1000$ 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 (71x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.77 W/kg

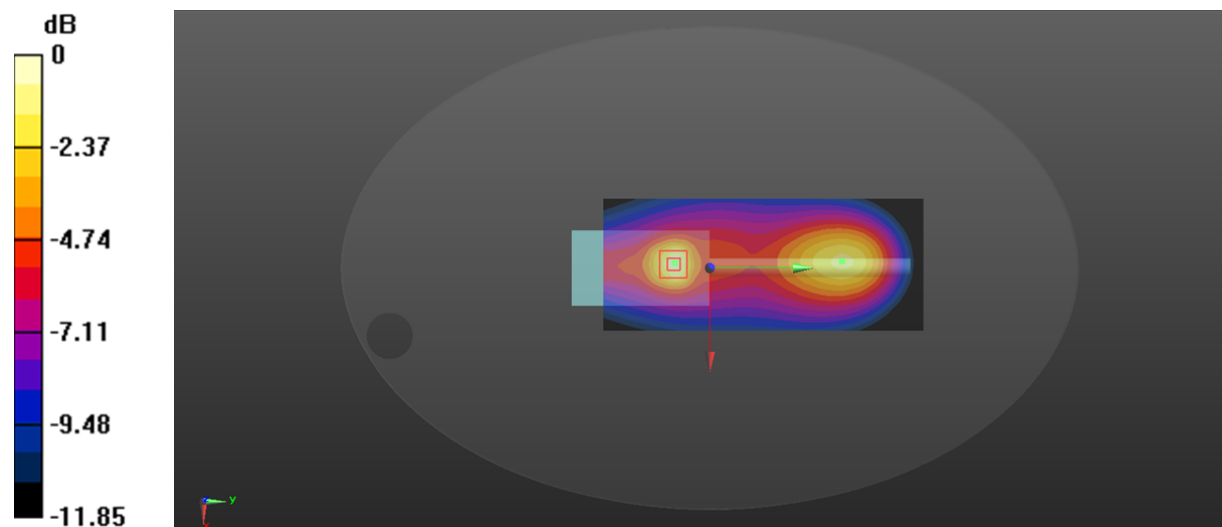
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.34 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 5.12 W/kg

SAR(1 g) = 1.75 W/kg; SAR(10 g) = 0.860 W/kg

Maximum value of SAR (measured) = 1.89 W/kg



0 dB = 1.89 W/kg = 2.76 dBW/kg

Test Plot 10#: FM_12.5kHz_146.0125MHz_Body Back_Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1**

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

Medium parameters used: $f = 146.012$ MHz; $\sigma = 0.783$ S/m; $\epsilon_r = 63.497$; $\rho = 1000$ 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 (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.94 W/kg

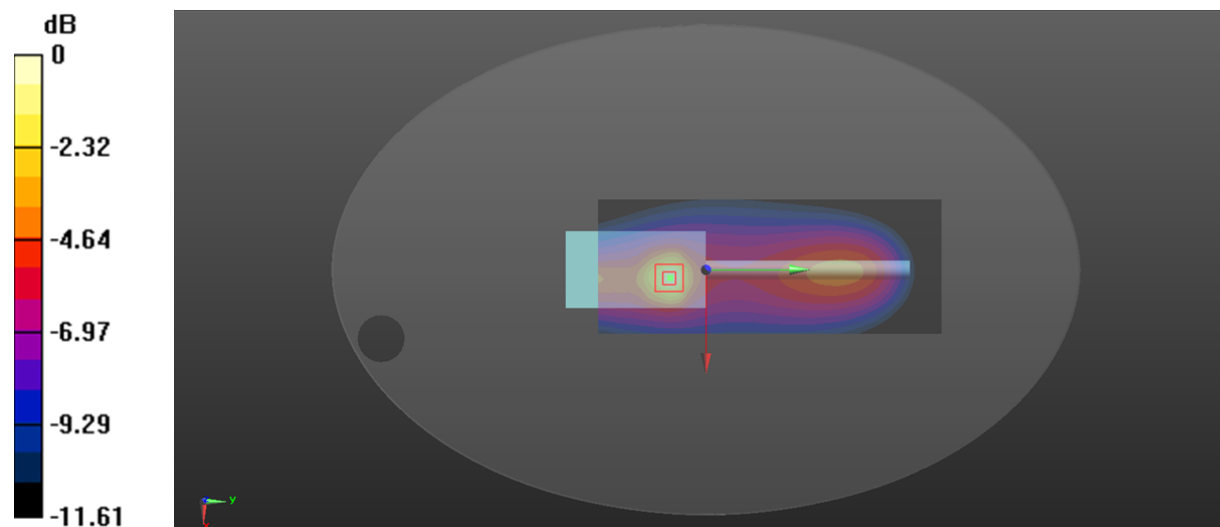
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.82 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 24.7 W/kg

SAR(1 g) = 8.48 W/kg; SAR(10 g) = 4.17 W/kg

Maximum value of SAR (measured) = 9.13 W/kg



0 dB = 9.13 W/kg = 9.60 dBW/kg

Test Plot 11#: FM_12.5kHz_153.0125MHz_Body Back_Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.81$ S/m; $\epsilon_r = 61.245$; $\rho = 1000$ 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 (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 10.8 W/kg

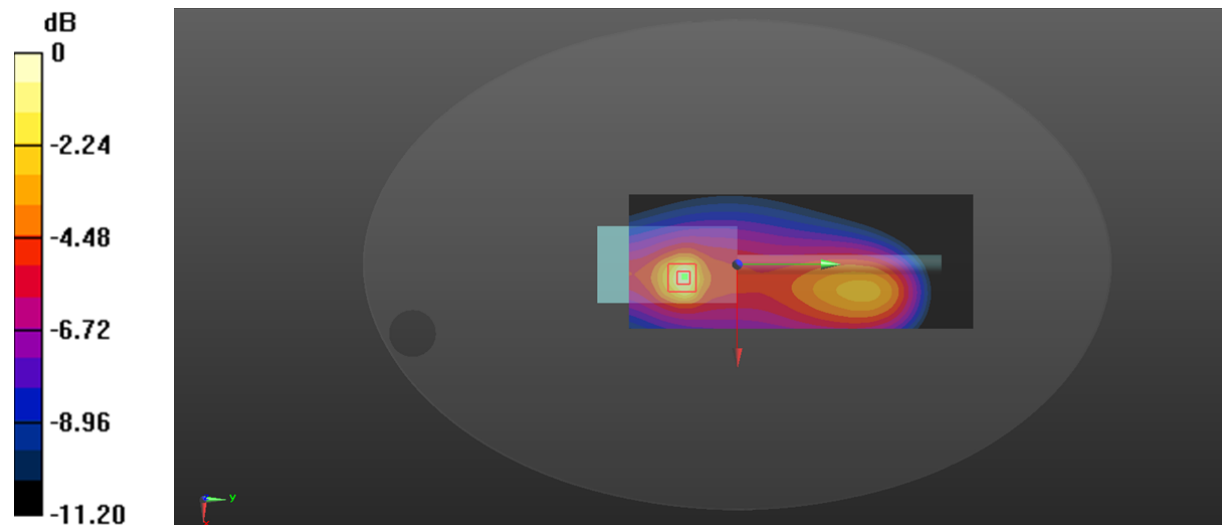
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 64.46 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 28.9 W/kg

SAR(1 g) = 11.4 W/kg; SAR(10 g) = 4.97 W/kg

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



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

Test Plot 12#: FM_12.5kHz_160MHz_Body Back_Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1**

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

Medium parameters used: $f = 160$ MHz; $\sigma = 0.818$ S/m; $\epsilon_r = 61.189$; $\rho = 1000$ 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 (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.69 W/kg

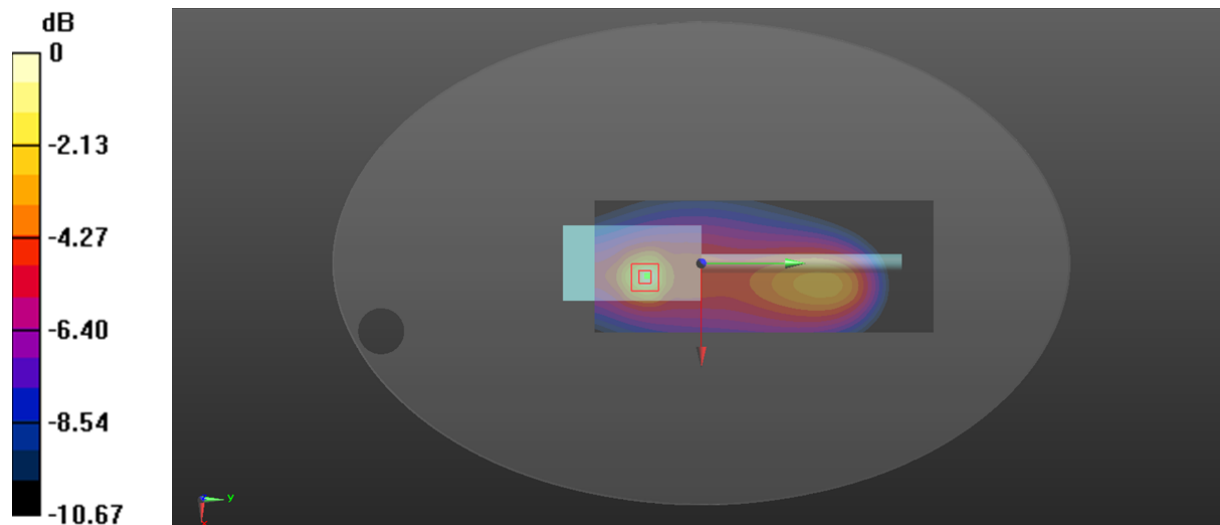
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.10 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 9.88 W/kg

SAR(1 g) = 3.66 W/kg; SAR(10 g) = 1.91 W/kg

Maximum value of SAR (measured) = 3.94 W/kg



0 dB = 3.94 W/kg = 5.95 dBW/kg

Test Plot 13#: FM_12.5kHz_166.9875MHz_Body Back_ Antenna 2

DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1

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

Medium parameters used: $f = 166.988 \text{ MHz}$; $\sigma = 0.829 \text{ S/m}$; $\epsilon_r = 61.098$; $\rho = 1000 \text{ kg/m}^3$

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 (71x181x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.45 W/kg

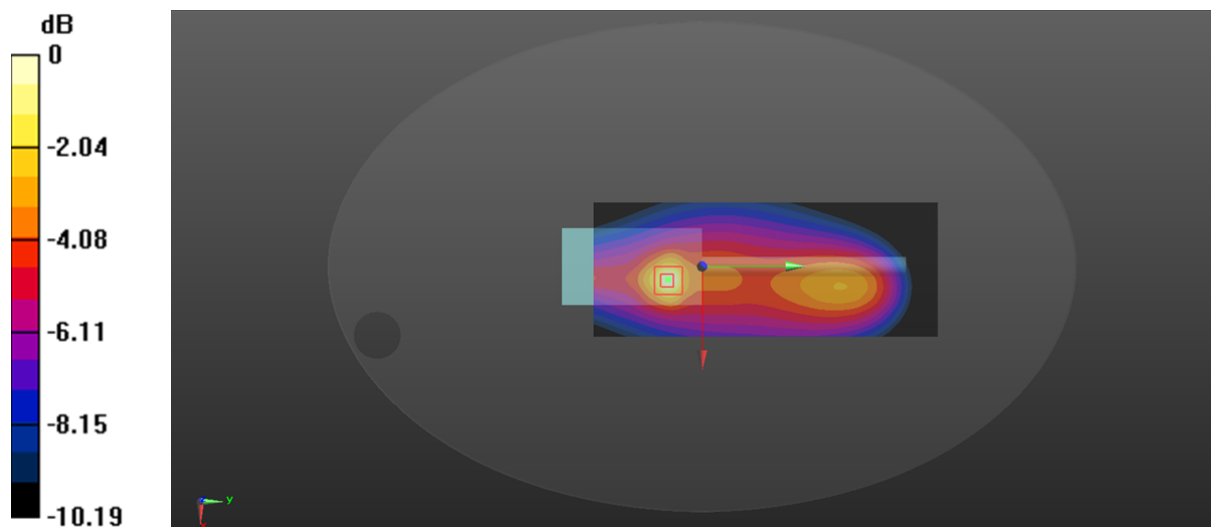
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 26.09 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 3.39 W/kg

SAR(1 g) = 1.31 W/kg; SAR(10 g) = 0.703 W/kg

Maximum value of SAR (measured) = 1.44 W/kg



0 dB = 1.44 W/kg = 1.58 dBW/kg

Test Plot 14#: FM_12.5kHz_173.9875MHz_Body Back_Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1**

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

Medium parameters used: $f = 173.988$ MHz; $\sigma = 0.835$ S/m; $\epsilon_r = 60.863$; $\rho = 1000$ kg/m³

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 (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.54 W/kg

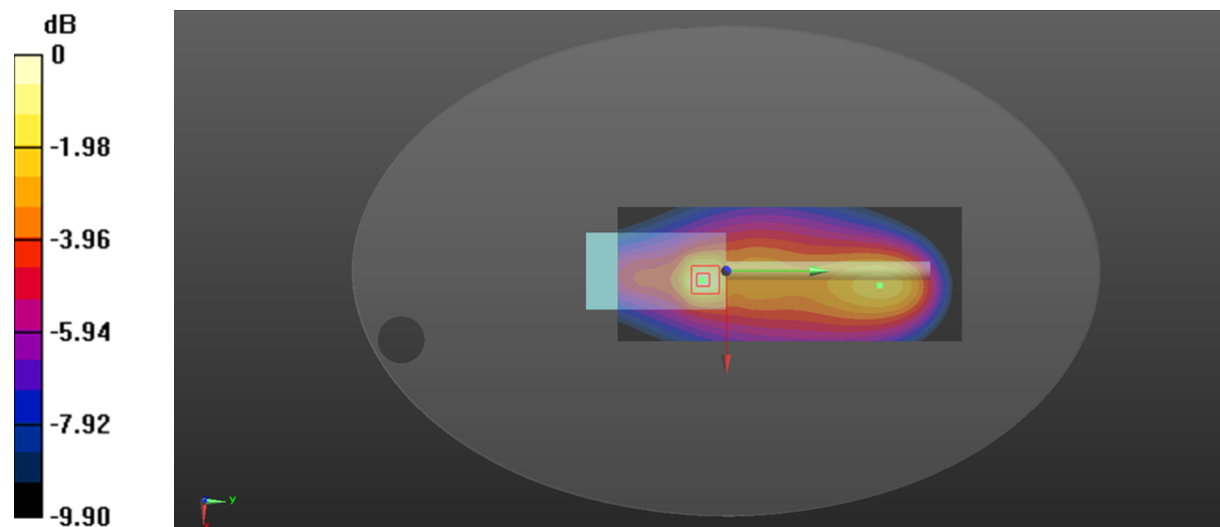
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.09 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 3.79 W/kg

SAR(1 g) = 1.56 W/kg; SAR(10 g) = 0.866 W/kg

Maximum value of SAR (measured) = 1.68 W/kg



0 dB = 1.68 W/kg = 2.25 dBW/kg

Test Plot 15#: FM_25kHz_136.0125MHz_Body Back_ Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.763$ S/m; $\epsilon_r = 63.989$; $\rho = 1000$ 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 (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.33 W/kg

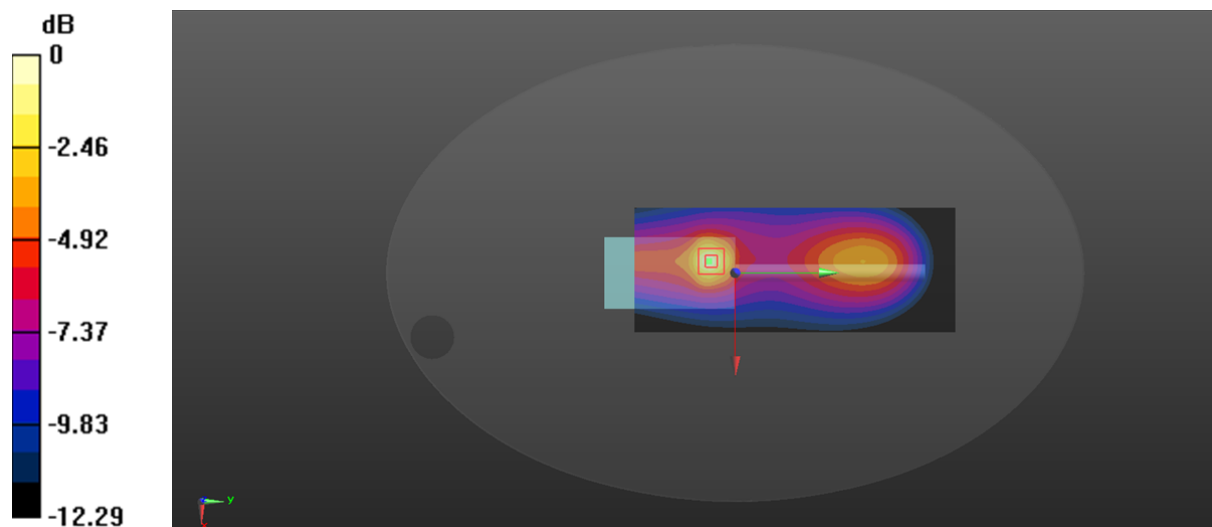
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 58.22 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 29.9 W/kg

SAR(1 g) = 8.86 W/kg; SAR(10 g) = 4.28 W/kg

Maximum value of SAR (measured) = 10.1 W/kg



0 dB = 10.1 W/kg = 10.04 dBW/kg

Test Plot 16#: FM_25kHz_143MHz_Body Back_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1**

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

Medium parameters used: $f = 143$ MHz; $\sigma = 0.774$ S/m; $\epsilon_r = 63.675$; $\rho = 1000$ 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 (71x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.06 W/kg

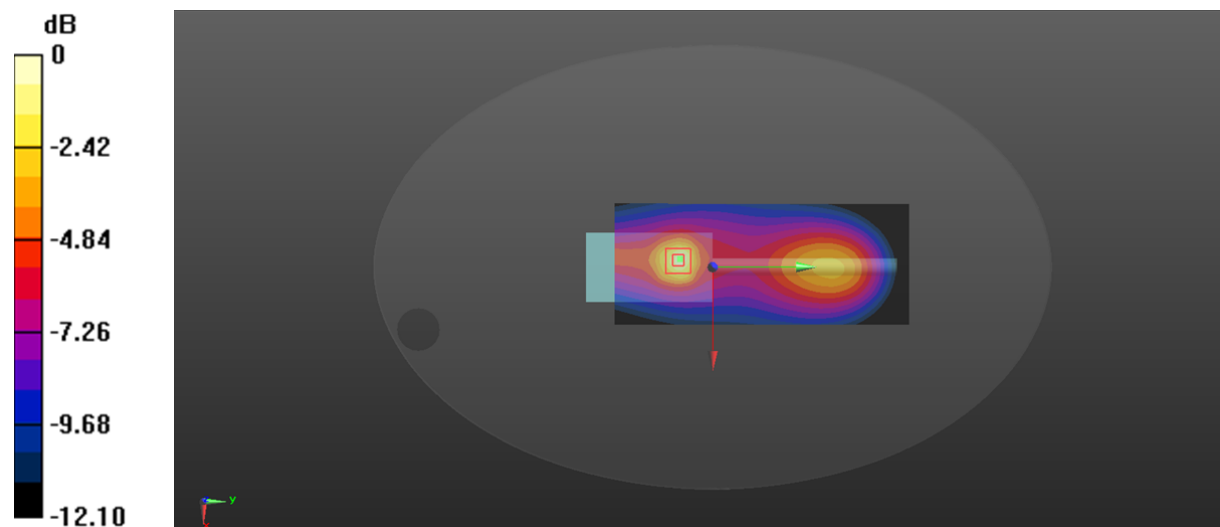
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 44.58 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 18.4 W/kg

SAR(1 g) = 6.05 W/kg; SAR(10 g) = 2.91 W/kg

Maximum value of SAR (measured) = 6.47 W/kg



0 dB = 6.47 W/kg = 8.11 dBW/kg

Test Plot 17#: FM_25kHz_149.9875MHz_Body Back_ Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-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; $\epsilon_r = 62.029$; $\rho = 1000$ 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 (71x171x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.88 W/kg

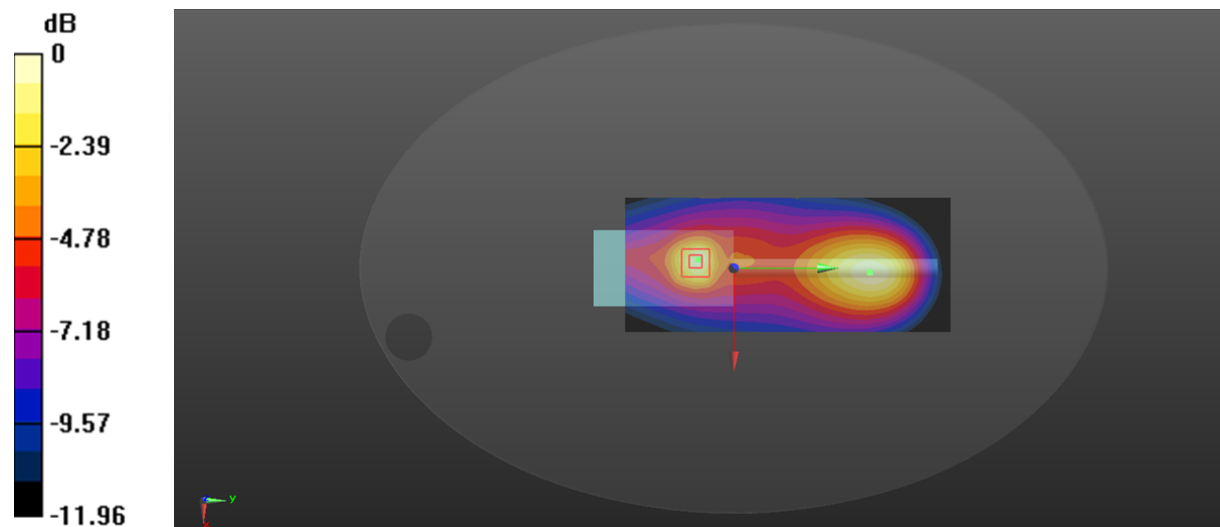
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.90 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 5.25 W/kg

SAR(1 g) = 1.82 W/kg; SAR(10 g) = 0.895 W/kg

Maximum value of SAR (measured) = 1.95 W/kg



0 dB = 1.95 W/kg = 2.90 dBW/kg

Test Plot 18#: FM_25kHz_146.0125MHz_Body Back_ Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1**

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

Medium parameters used: $f = 146.012$ MHz; $\sigma = 0.783$ S/m; $\epsilon_r = 63.497$; $\rho = 1000$ 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 (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.54 W/kg

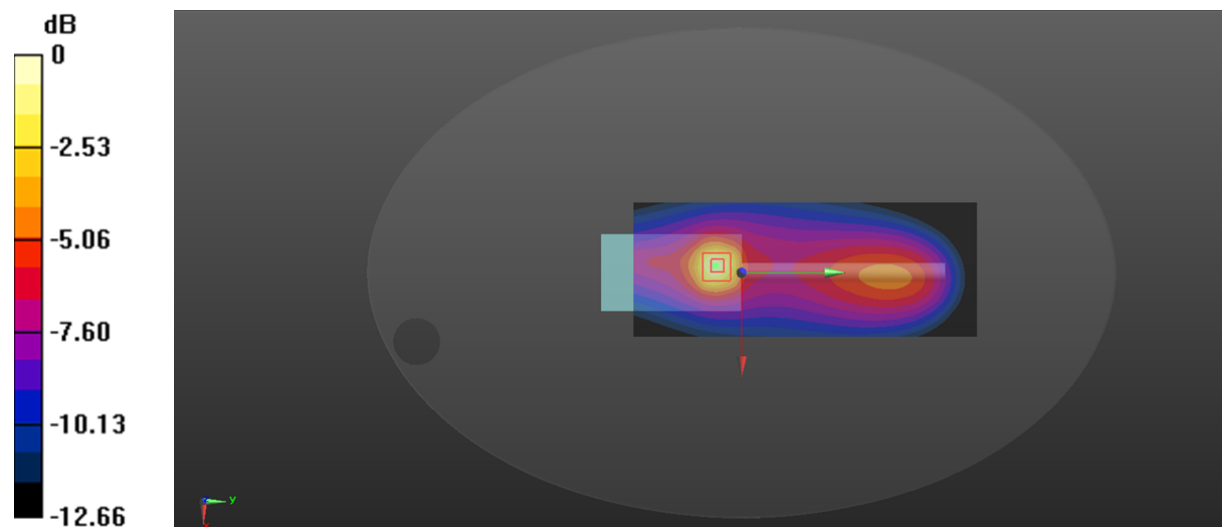
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 59.77 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 29.0 W/kg

SAR(1 g) = 9.24 W/kg; SAR(10 g) = 4.33 W/kg

Maximum value of SAR (measured) = 9.67 W/kg



0 dB = 9.67 W/kg = 9.85 dBW/kg

Test Plot 19#: FM_25kHz_153.0125MHz_Body Back_ Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.81$ S/m; $\epsilon_r = 61.245$; $\rho = 1000$ 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 (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 11.2 W/kg

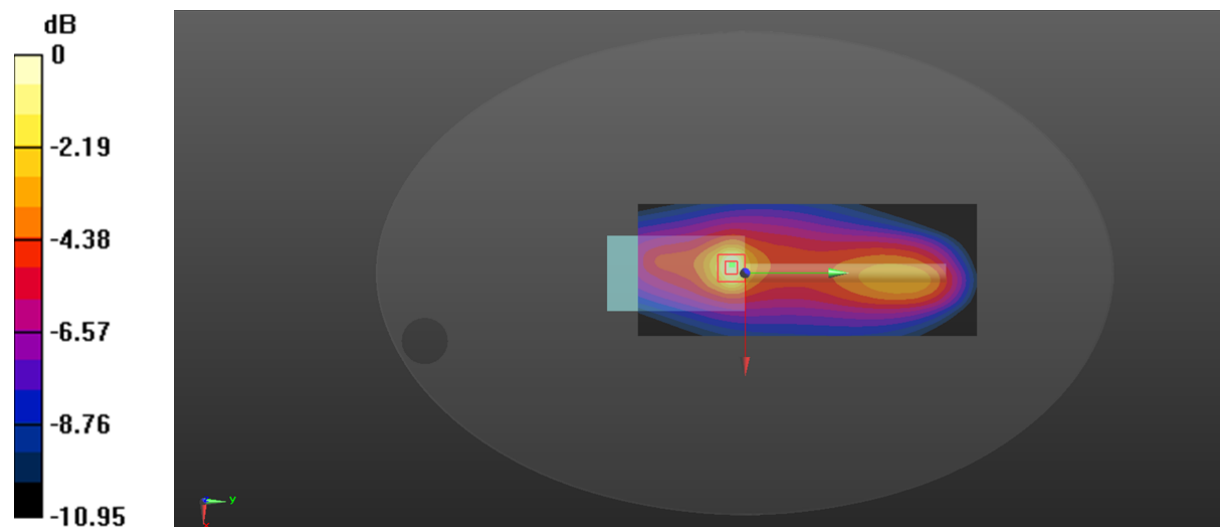
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 96.27 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 26.2 W/kg

SAR(1 g) = 10.7 W/kg; SAR(10 g) = 5.11 W/kg

Maximum value of SAR (measured) = 10.8 W/kg



0 dB = 10.8 W/kg = 10.33 dBW/kg

Test Plot 20#: FM_25kHz_160MHz_Body Back_ Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1**

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

Medium parameters used: $f = 160$ MHz; $\sigma = 0.818$ S/m; $\epsilon_r = 61.189$; $\rho = 1000$ 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 (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.48 W/kg

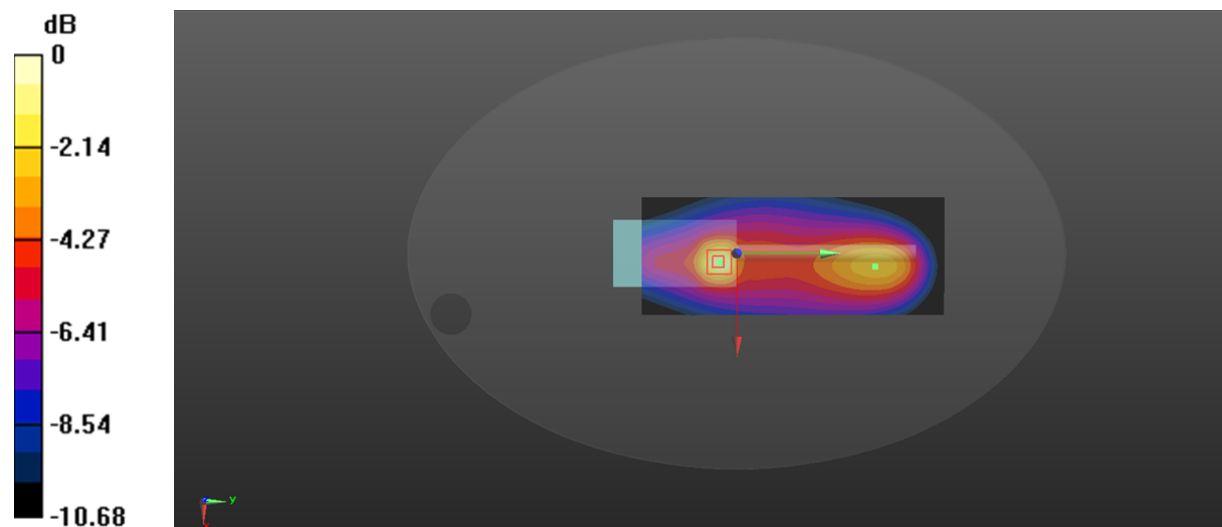
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 43.04 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 9.95 W/kg

SAR(1 g) = 3.66 W/kg; SAR(10 g) = 1.89 W/kg

Maximum value of SAR (measured) = 3.95 W/kg



0 dB = 3.95 W/kg = 5.97 dBW/kg

Test Plot 21#: FM_25kHz_166.9875MHz_Body Back_ Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1**

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

Medium parameters used: $f = 166.988$ MHz; $\sigma = 0.829$ S/m; $\epsilon_r = 61.098$; $\rho = 1000$ kg/m³

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 (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.40 W/kg

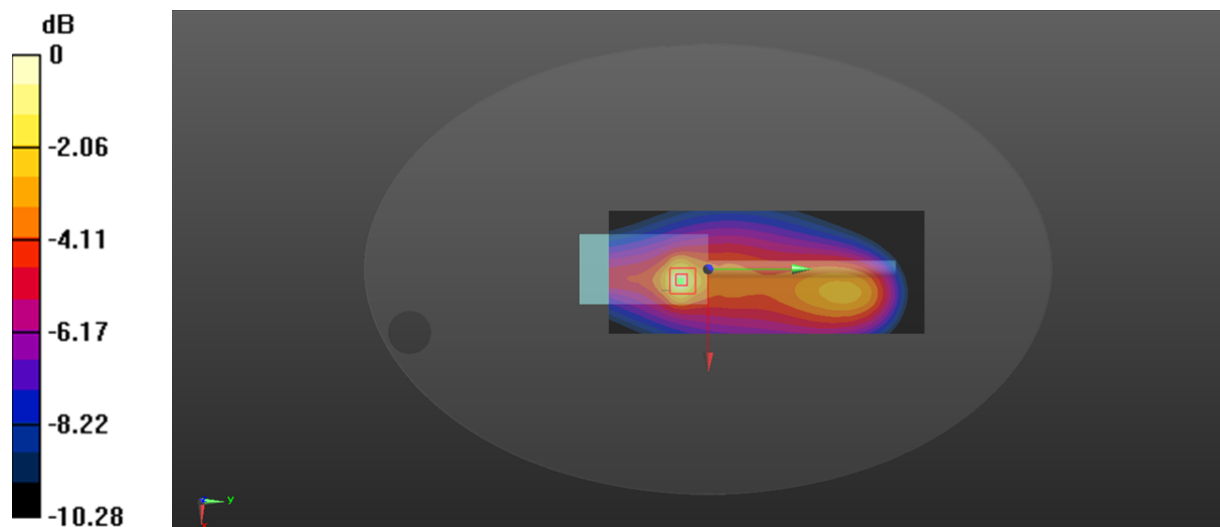
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.89 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 3.23 W/kg

SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.682 W/kg

Maximum value of SAR (measured) = 1.38 W/kg



0 dB = 1.38 W/kg = 1.40 dBW/kg

Test Plot 22#: FM_25kHz_173.9875MHz_Body Back_ Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1**

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

Medium parameters used: $f = 173.988$ MHz; $\sigma = 0.835$ S/m; $\epsilon_r = 60.863$; $\rho = 1000$ kg/m³

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 (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.52 W/kg

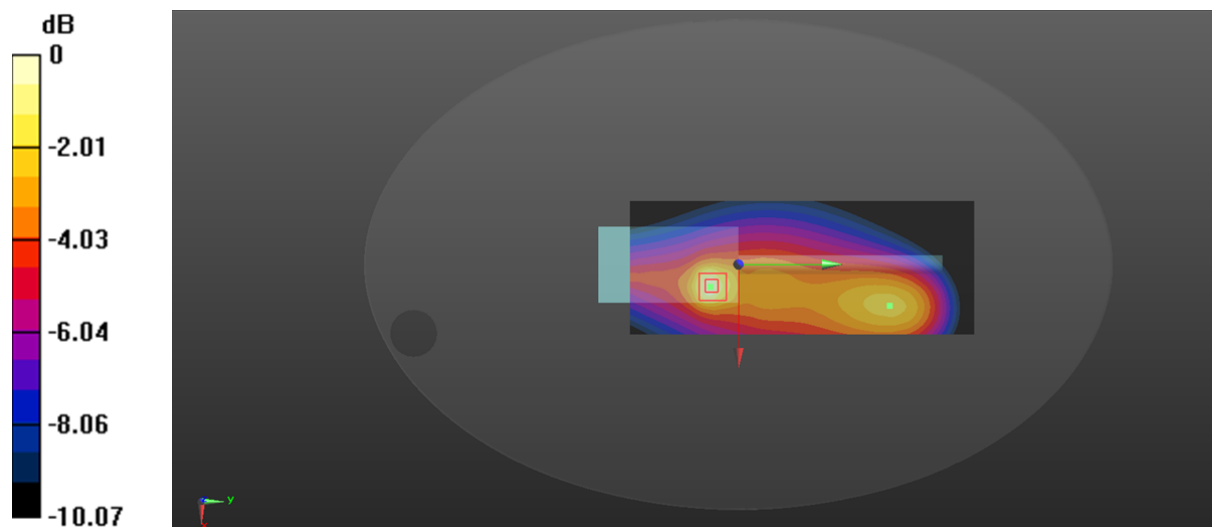
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.12 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 3.66 W/kg

SAR(1 g) = 1.47 W/kg; SAR(10 g) = 0.808 W/kg

Maximum value of SAR (measured) = 1.60 W/kg



0 dB = 1.60 W/kg = 2.04 dBW/kg

Test Plot 23#:4FSK_12.5kHz_136.0125MHz_Body Back_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.763$ S/m; $\epsilon_r = 63.989$; $\rho = 1000$ 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 (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

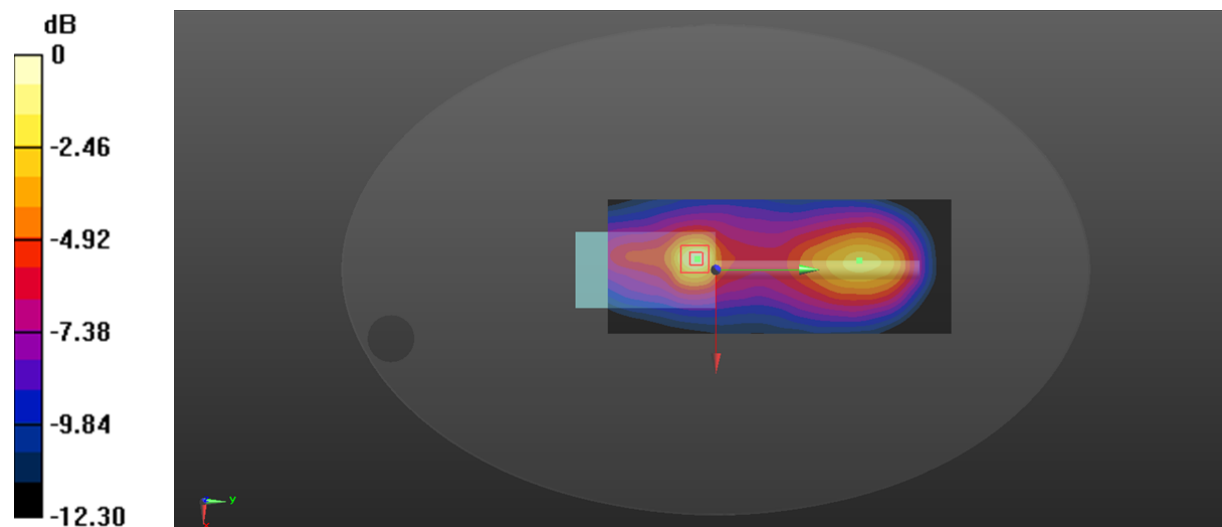
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.24 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 10.3 W/kg

SAR(1 g) = 3.47 W/kg; SAR(10 g) = 1.67 W/kg

Maximum value of SAR (measured) = 3.61 W/kg



0 dB = 3.61 W/kg = 5.58 dBW/kg

Test Plot 24#: 4FSK_12.5kHz_153.0125MHz_Body Back_Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: PD482 VHF; Serial: DG2210705-27190E-SA-S1**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.81$ S/m; $\epsilon_r = 61.245$; $\rho = 1000$ 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 (71x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.69 W/kg

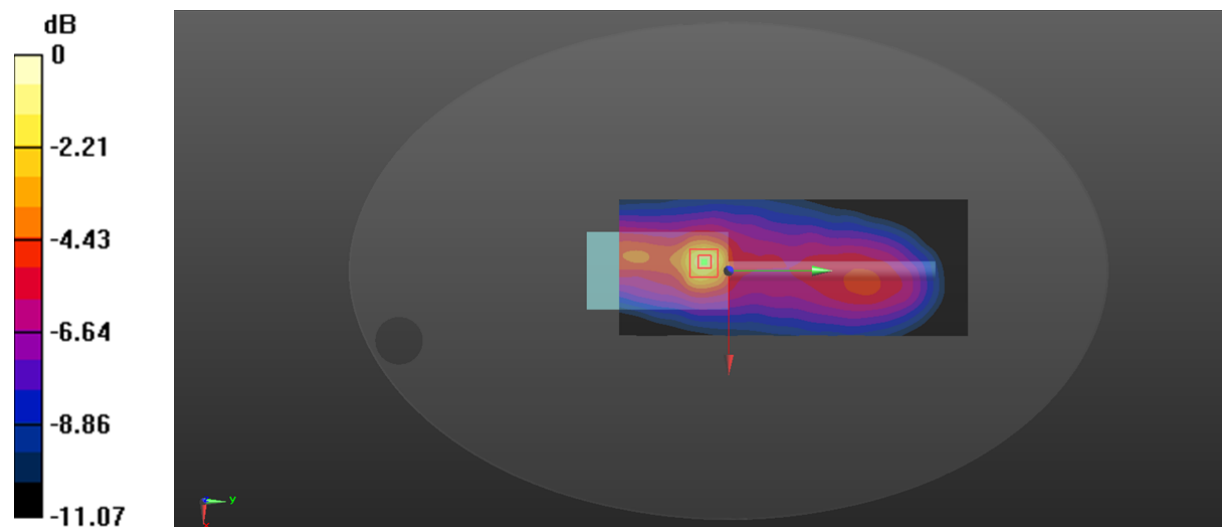
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 49.82 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 12.4 W/kg

SAR(1 g) = 5.14 W/kg; SAR(10 g) = 2.62 W/kg

Maximum value of SAR (measured) = 5.90 W/kg



0 dB = 5.90 W/kg = 7.71 dBW/kg