

Test Plot 1#: 136.0125MHz_ Face Up_FM_12.5kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 136.0125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 136.0125$ MHz; $\sigma = 0.741$ S/m; $\epsilon_r = 53.012$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 136.0125 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 (81x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.35 W/kg

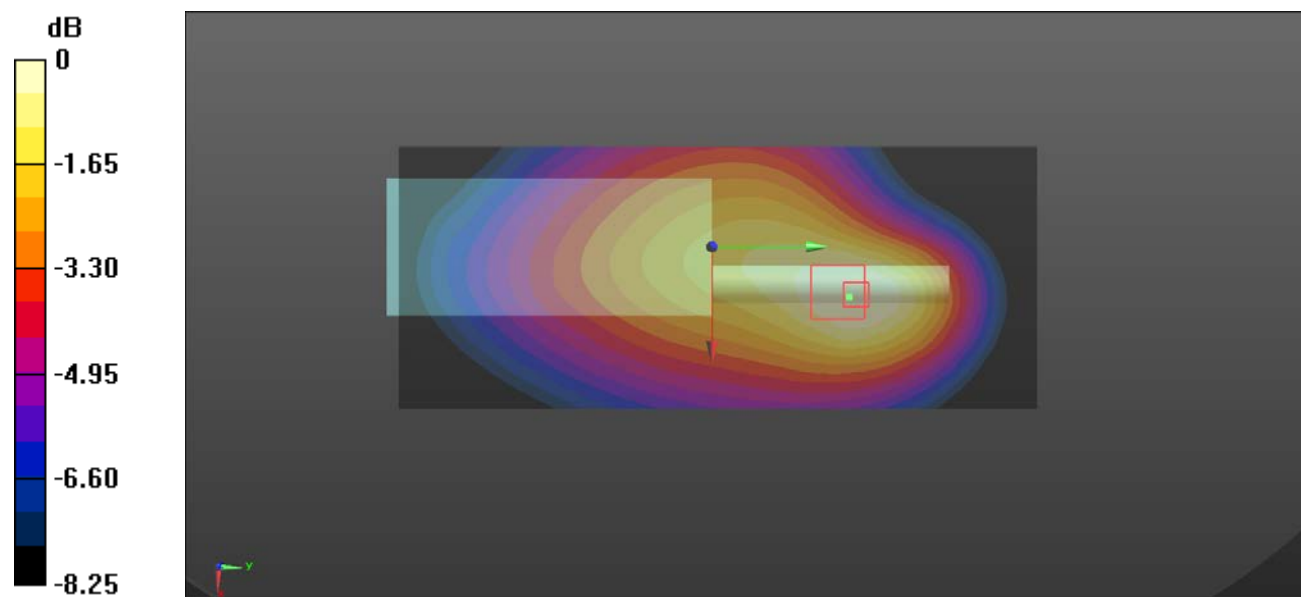
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.53 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.843 W/kg

Maximum value of SAR (measured) = 1.22 W/kg



0 dB = 1.22 W/kg = 0.86 dBW/kg

Test Plot 2#: 144.0125MHz_ Face Up_FM_12.5kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 144.0125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 144.0125$ MHz; $\sigma = 0.752$ S/m; $\epsilon_r = 52.606$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 144.0125 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) = 1.93 W/kg

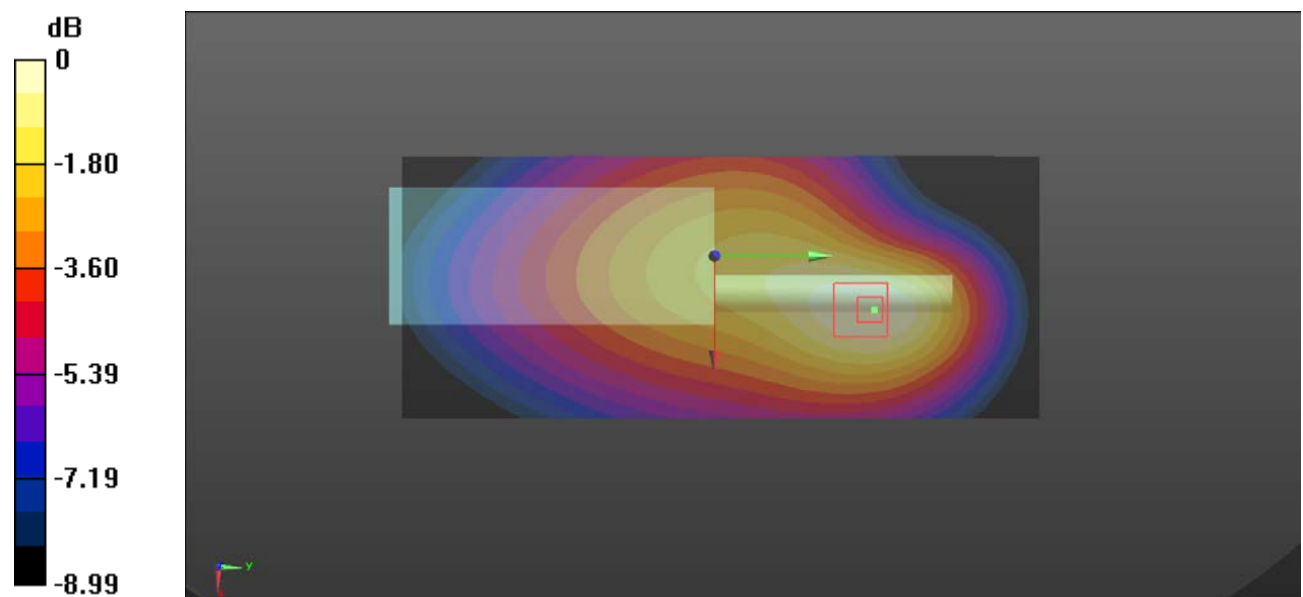
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 40.67 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 2.65 W/kg

SAR(1 g) = 1.77 W/kg; SAR(10 g) = 1.26 W/kg

Maximum value of SAR (measured) = 1.87 W/kg



0 dB = 1.87 W/kg = 2.72 dBW/kg

Test Plot 3#: 153.0125MHz_ Face Up_FM_12.5kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 153.0125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.0125$ MHz; $\sigma = 0.772$ S/m; $\epsilon_r = 52.115$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 153.0125 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) = 1.48 W/kg

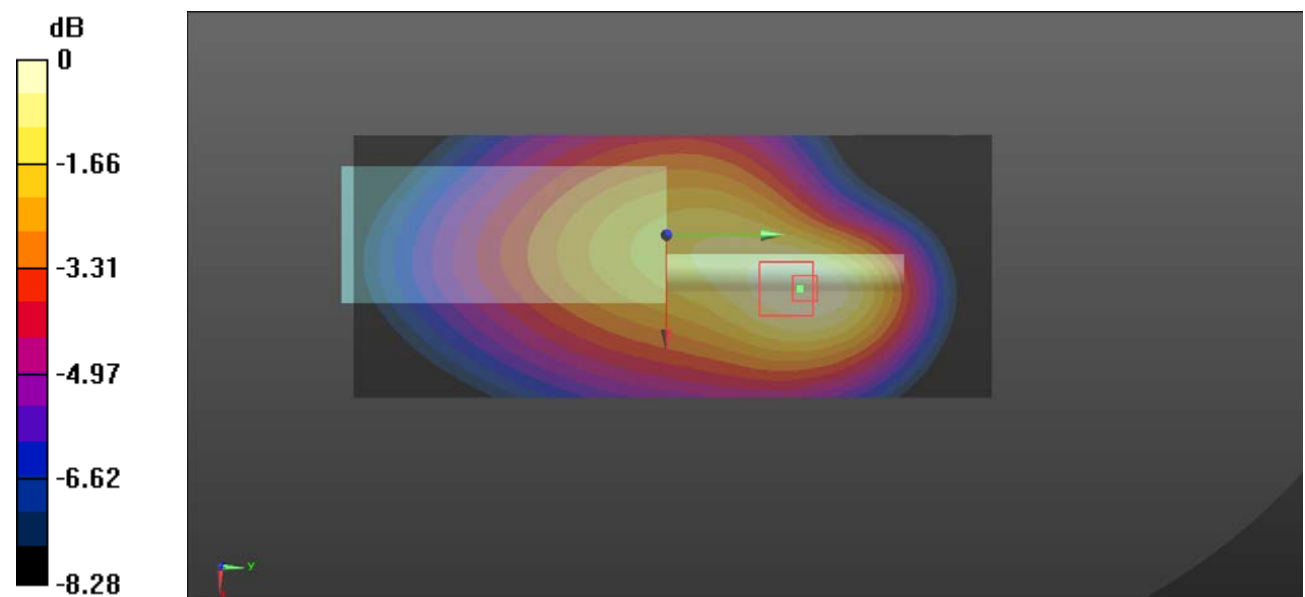
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.95 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.03 W/kg

SAR(1 g) = 1.38 W/kg; SAR(10 g) = 0.998 W/kg

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



0 dB = 1.45 W/kg = 1.61 dBW/kg

Test Plot 4#: 163.0125MHz_ Face Up_FM_12.5kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 163.0125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 163.0125$ MHz; $\sigma = 0.786$ S/m; $\epsilon_r = 51.624$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 163.0125 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) = 2.11 W/kg

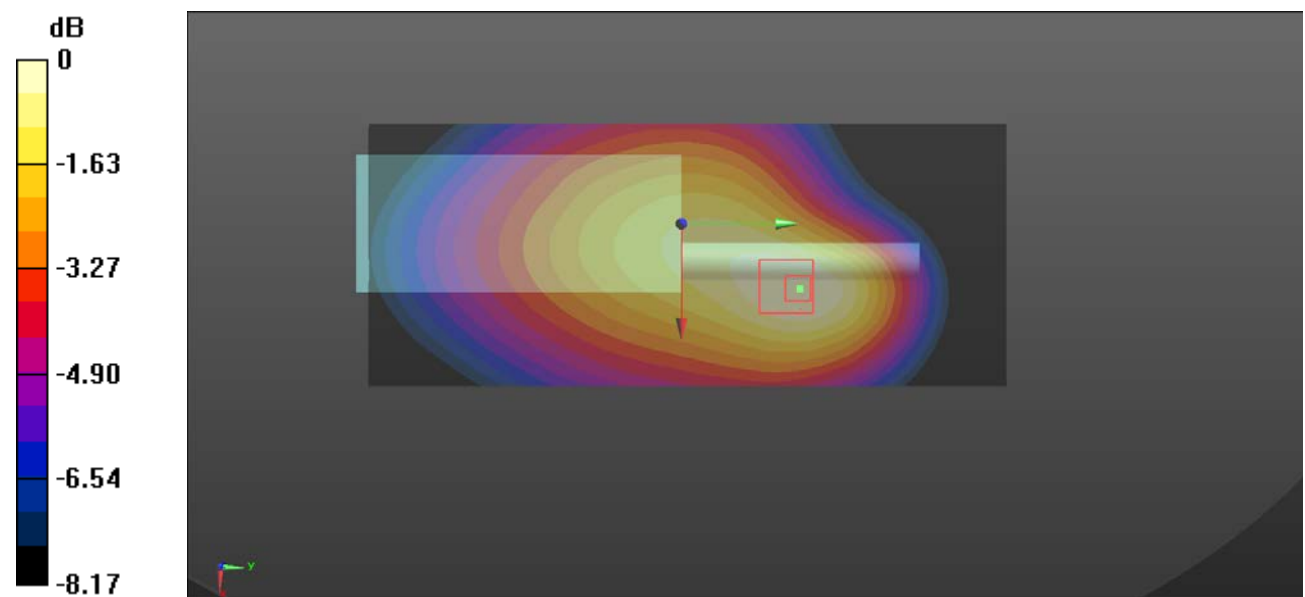
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 45.01 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.82 W/kg

SAR(1 g) = 1.94 W/kg; SAR(10 g) = 1.43 W/kg

Maximum value of SAR (measured) = 2.06 W/kg



0 dB = 2.06 W/kg = 3.14 dBW/kg

Test Plot 5#: 136.0125MHz_ Face Up_FM_25kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 136.0125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 136.0125$ MHz; $\sigma = 0.741$ S/m; $\epsilon_r = 53.012$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 136.0125 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) = 1.31 W/kg

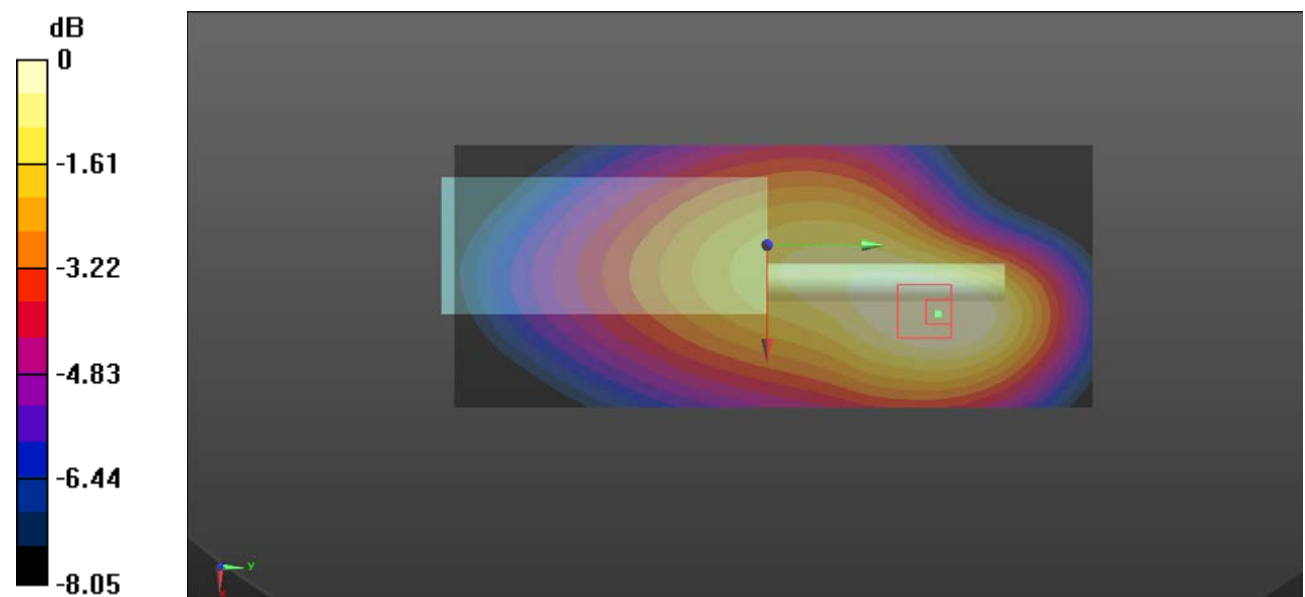
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.22 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.843 W/kg

Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.21 W/kg = 0.83 dBW/kg

Test Plot 6#: 144.0125MHz_ Face Up_FM_25kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 144.0125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 144.0125$ MHz; $\sigma = 0.752$ S/m; $\epsilon_r = 52.606$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 144.0125 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) = 2.21 W/kg

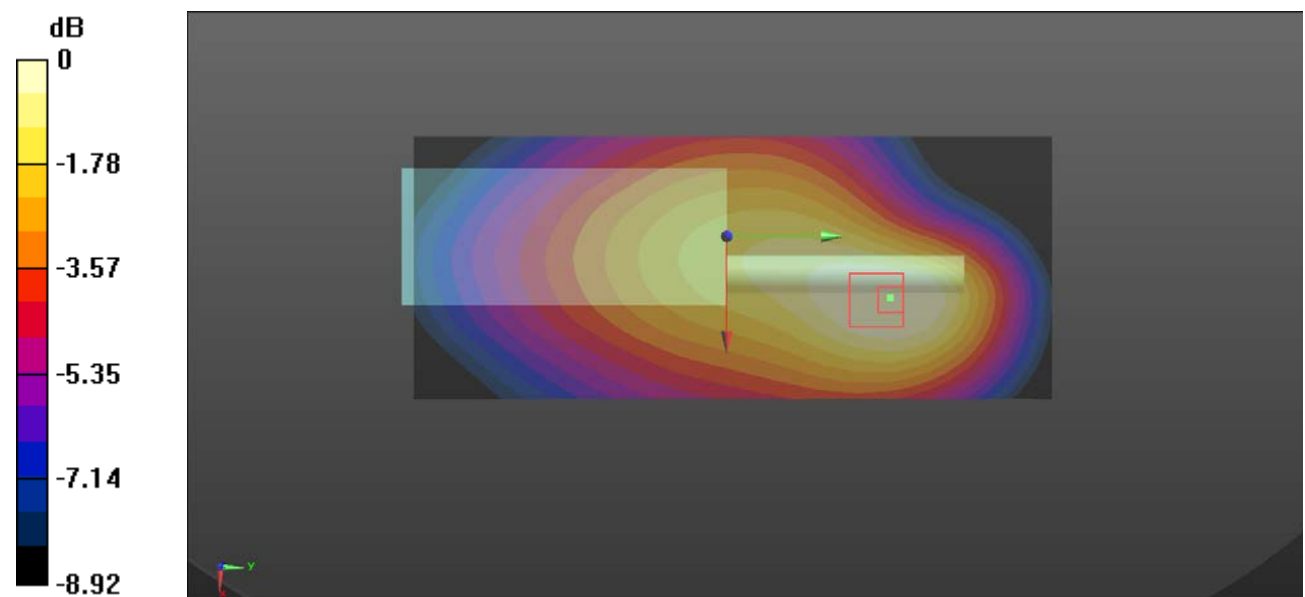
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 45.29 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.74 W/kg

SAR(1 g) = 1.88 W/kg; SAR(10 g) = 1.34 W/kg

Maximum value of SAR (measured) = 1.99 W/kg



0 dB = 1.99 W/kg = 2.99 dBW/kg

Test Plot 7#: 153.0125MHz_ Face Up_FM_25kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 153.0125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.0125$ MHz; $\sigma = 0.772$ S/m; $\epsilon_r = 52.115$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 153.0125 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) = 1.46 W/kg

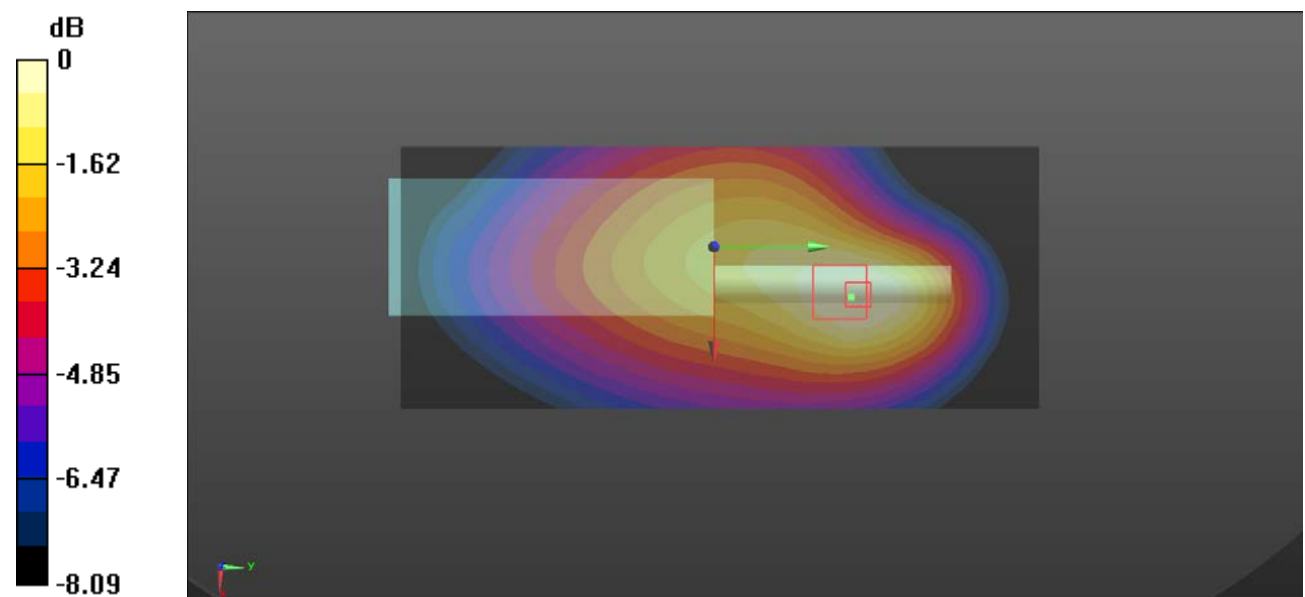
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.76 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.99 W/kg

SAR(1 g) = 1.35 W/kg; SAR(10 g) = 0.982 W/kg

Maximum value of SAR (measured) = 1.42 W/kg



0 dB = 1.42 W/kg = 1.52 dBW/kg

Test Plot 8#: 163.0125MHz_ Face Up_FM_25kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 163.0125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 163.0125$ MHz; $\sigma = 0.786$ S/m; $\epsilon_r = 51.624$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 163.0125 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) = 2.12 W/kg

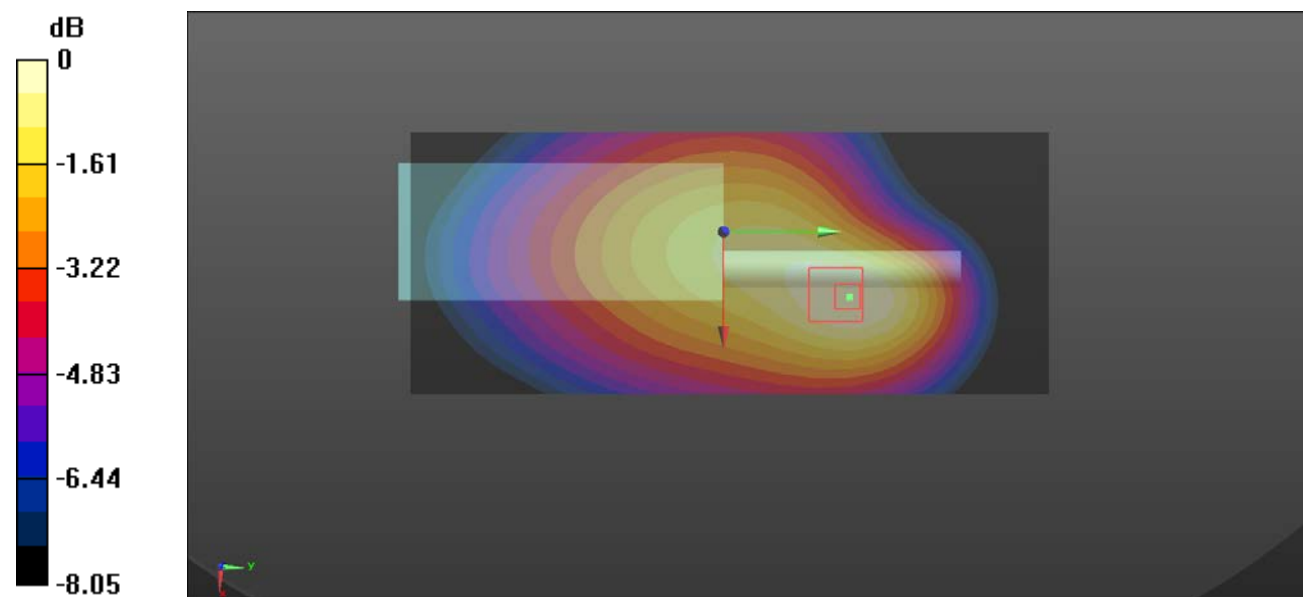
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 42.75 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 2.85 W/kg

SAR(1 g) = 1.97 W/kg; SAR(10 g) = 1.45 W/kg

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



0 dB = 2.07 W/kg = 3.16 dBW/kg

Test Plot 9#: 163.0125MHz_ Face Up_FM_25kHz**DUT: Digital Portable Radio; Type: HP702VHF; Serial: DG2210727-31336E-SA-S2**

Communication System: FM; Frequency: 163.0125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 163.0125$ MHz; $\sigma = 0.786$ S/m; $\epsilon_r = 51.624$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 163.0125 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) = 6.38 W/kg

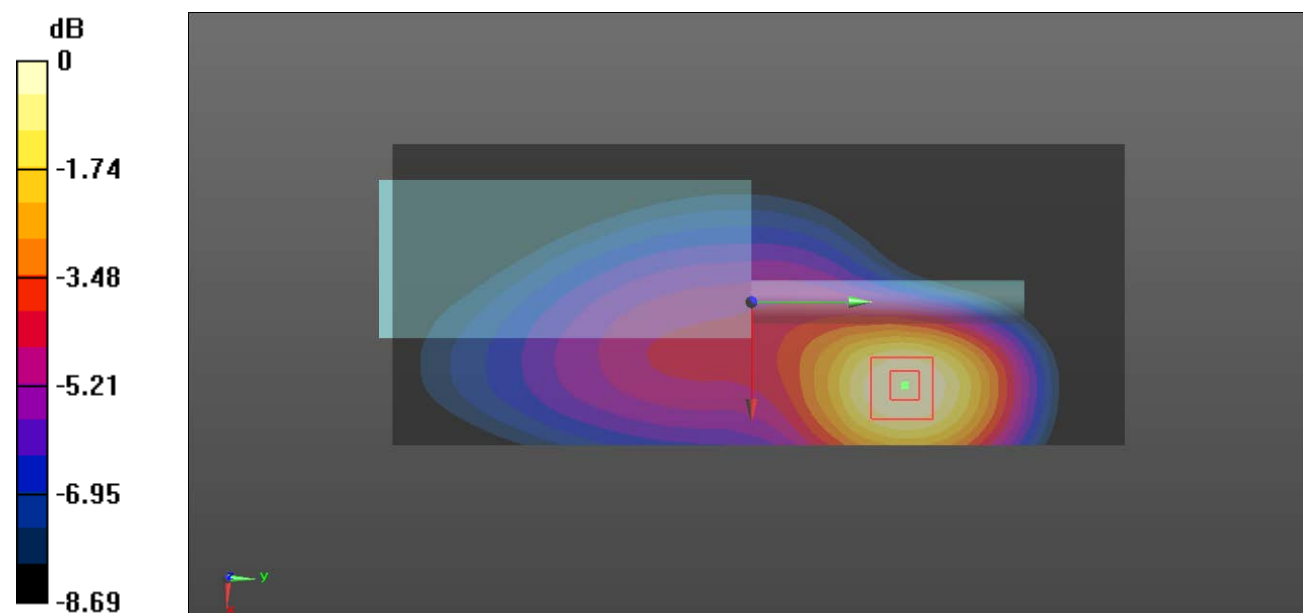
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 49.00 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 15.1 W/kg

SAR(1 g) = 1.89 W/kg; SAR(10 g) = 1.35 W/kg

Maximum value of SAR (measured) = 6.05 W/kg



0 dB = 6.05 W/kg = 7.82 dBW/kg

Test Plot 10#: 136.0125MHz_ Face Up_4FSK_12.5kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: 4FSK; Frequency: 136.0125 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 136.0125$ MHz; $\sigma = 0.741$ S/m; $\epsilon_r = 53.012$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 136.0125 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) = 1.63 W/kg

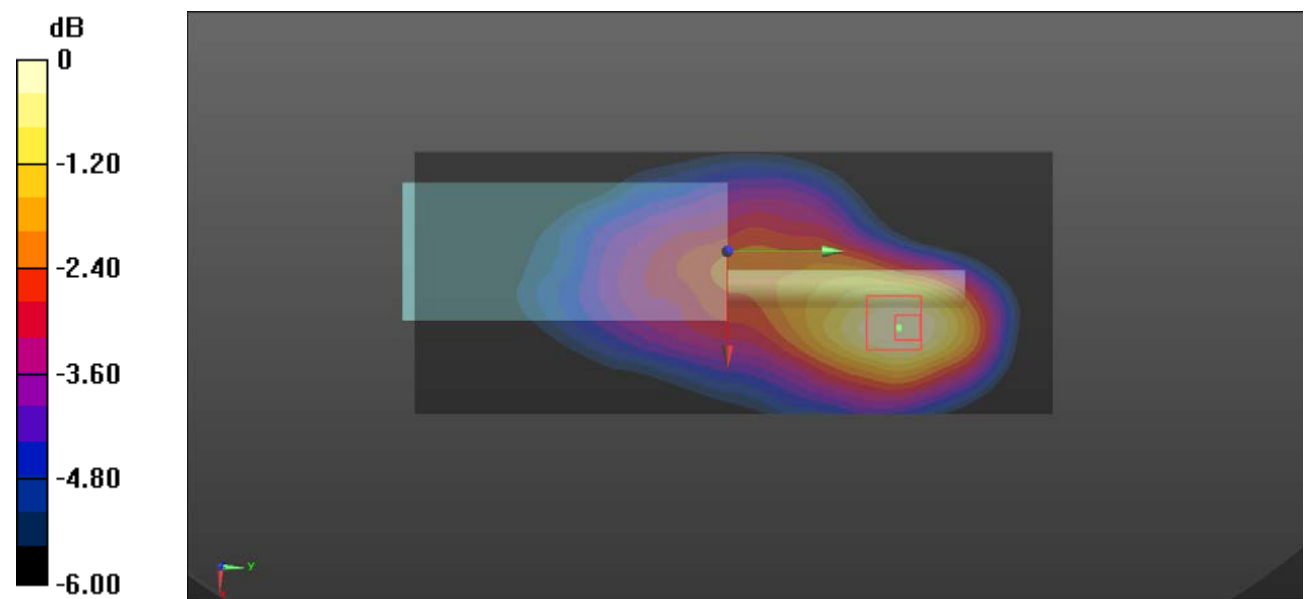
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.83 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.46 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.974 W/kg

Maximum value of SAR (measured) = 1.57 W/kg



0 dB = 1.57 W/kg = 1.96 dBW/kg

Test Plot 11#: 144.0125MHz_ Face Up_4FSK_12.5kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: 4FSK; Frequency: 144.0125 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 144.0125$ MHz; $\sigma = 0.752$ S/m; $\epsilon_r = 52.606$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 144.0125 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) = 1.01 W/kg

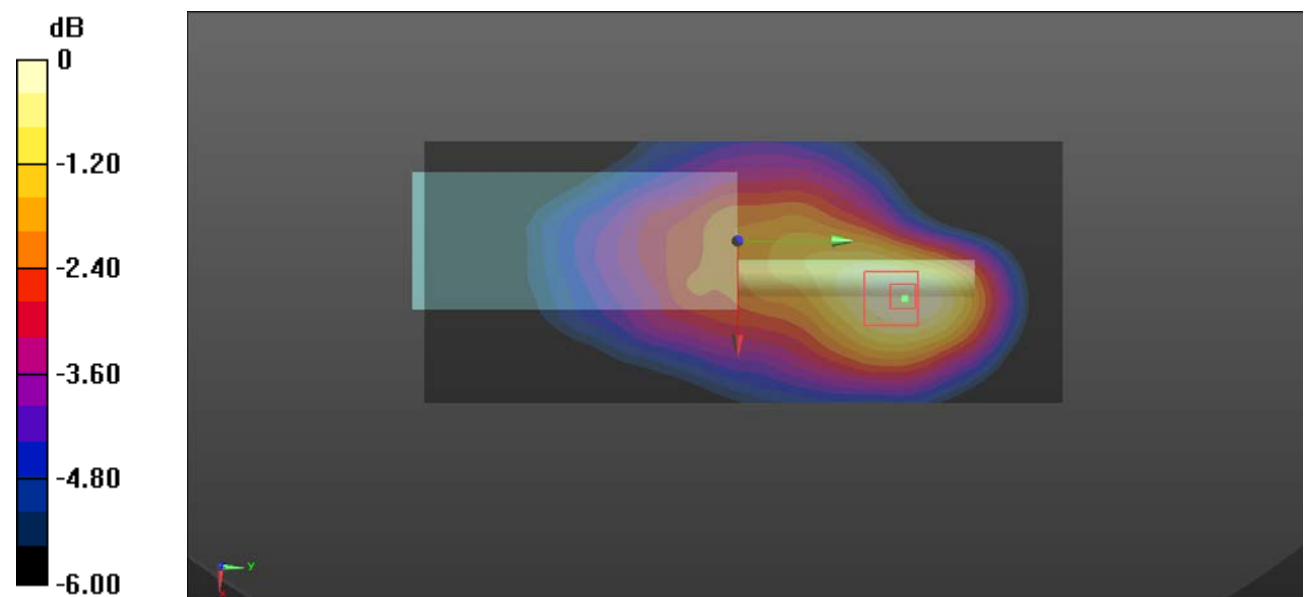
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.62 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.61 W/kg

SAR(1 g) = 0.972 W/kg; SAR(10 g) = 0.689 W/kg

Maximum value of SAR (measured) = 1.01 W/kg



0 dB = 1.01 W/kg = 0.04 dBW/kg

Test Plot 12#: 153.0125MHz_ Face Up_4FSK_12.5kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: 4FSK; Frequency: 153.0125 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 153.0125$ MHz; $\sigma = 0.772$ S/m; $\epsilon_r = 52.115$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 153.0125 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) = 1.01 W/kg

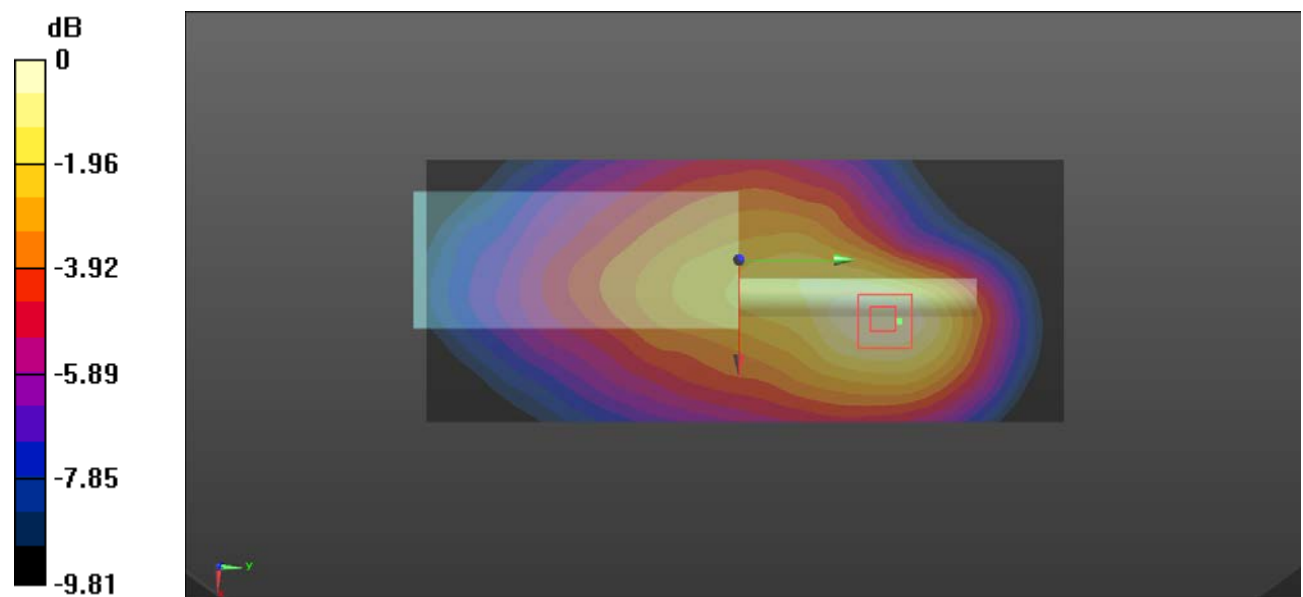
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.82 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.50 W/kg

SAR(1 g) = 0.972 W/kg; SAR(10 g) = 0.655 W/kg

Maximum value of SAR (measured) = 1.04 W/kg



0 dB = 1.04 W/kg = 0.17 dBW/kg

Test Plot 13#: 163.0125MHz_ Face Up_4FSK_12.5kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: 4FSK; Frequency: 163.0125 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 163.0125$ MHz; $\sigma = 0.786$ S/m; $\epsilon_r = 51.624$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 163.0125 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) = 1.30 W/kg

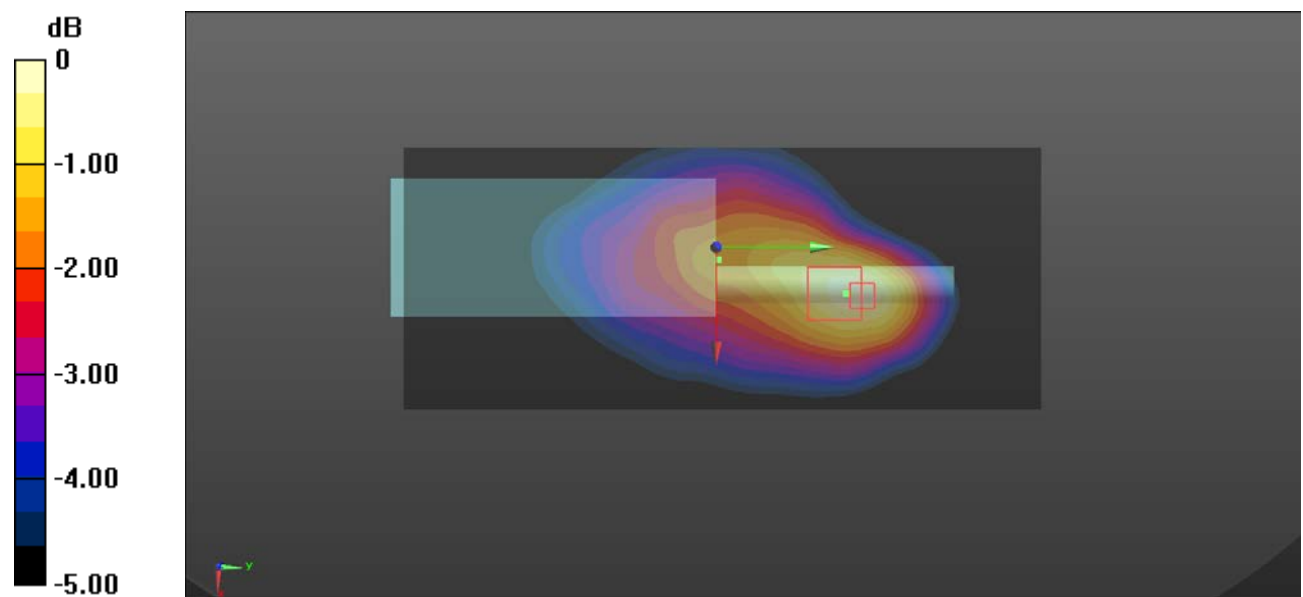
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.77 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 2.13 W/kg

SAR(1 g) = 1.25 W/kg; SAR(10 g) = 0.887 W/kg

Maximum value of SAR (measured) = 1.35 W/kg



0 dB = 1.35 W/kg = 1.30 dBW/kg

Test Plot 14#: 136.0125MHz_ Body Back_FM_12.5kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 136.0125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 136.0125$ MHz; $\sigma = 0.78$ S/m; $\epsilon_r = 62.305$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 136.0125 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 (81x181x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

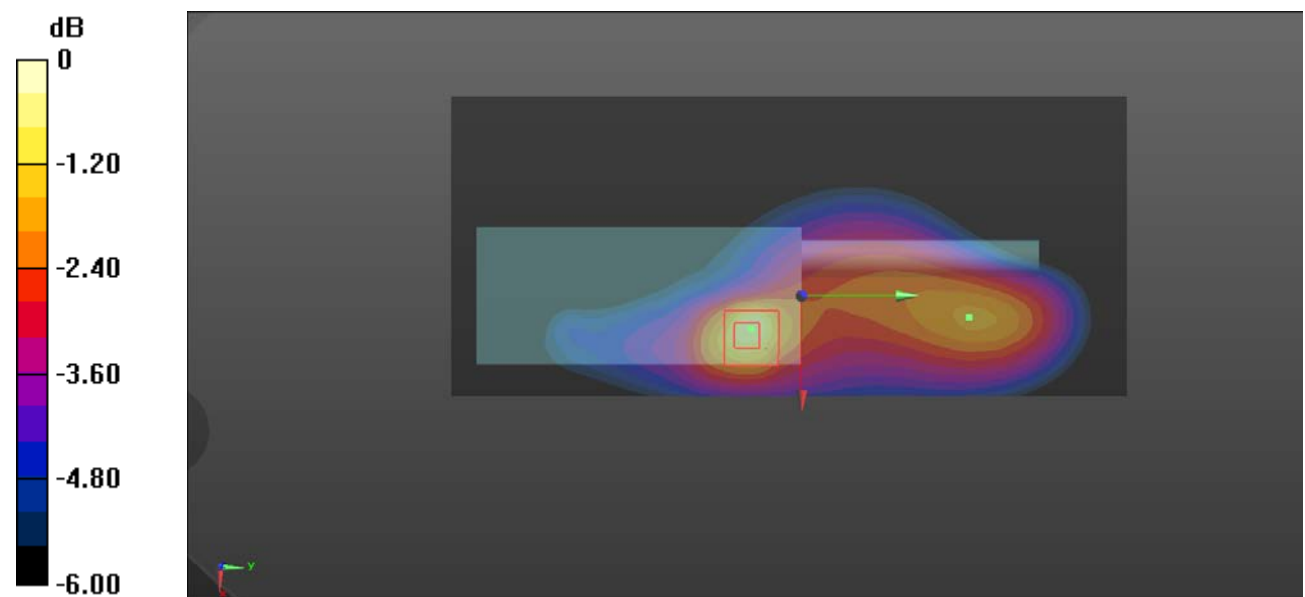
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 61.26 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 9.47 W/kg

SAR(1 g) = 4.52 W/kg; SAR(10 g) = 2.43 W/kg

Maximum value of SAR (measured) = 4.81 W/kg



0 dB = 4.81 W/kg = 6.82 dBW/kg

Test Plot 15#: 144.0125MHz_ Body Back_FM_12.5kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 144.0125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 144.0125$ MHz; $\sigma = 0.792$ S/m; $\epsilon_r = 62.073$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 144.0125 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) = 2.92 W/kg

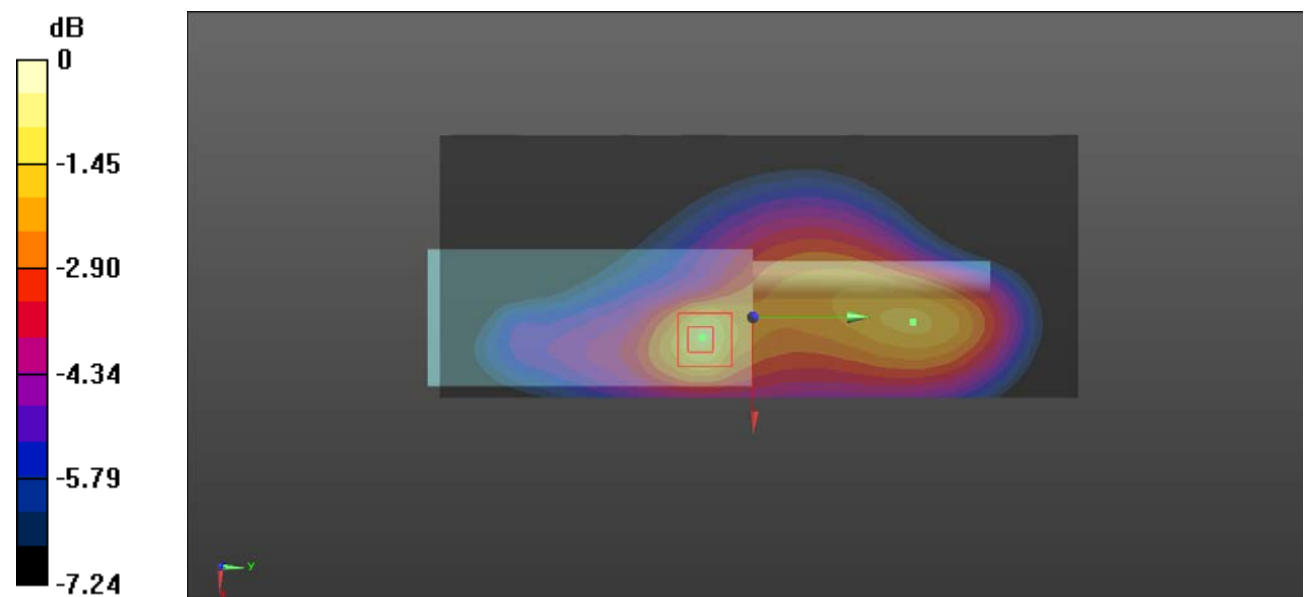
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 51.90 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 6.86 W/kg

SAR(1 g) = 4.72 W/kg; SAR(10 g) = 2.33 W/kg

Maximum value of SAR (measured) = 3.56 W/kg



0 dB = 3.56 W/kg = 5.51 dBW/kg

Test Plot 16#: 149MHz_ Body Back_FM_12.5kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 149 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 149 \text{ MHz}$; $\sigma = 0.797 \text{ S/m}$; $\epsilon_r = 61.954$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 149 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: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.85 W/kg

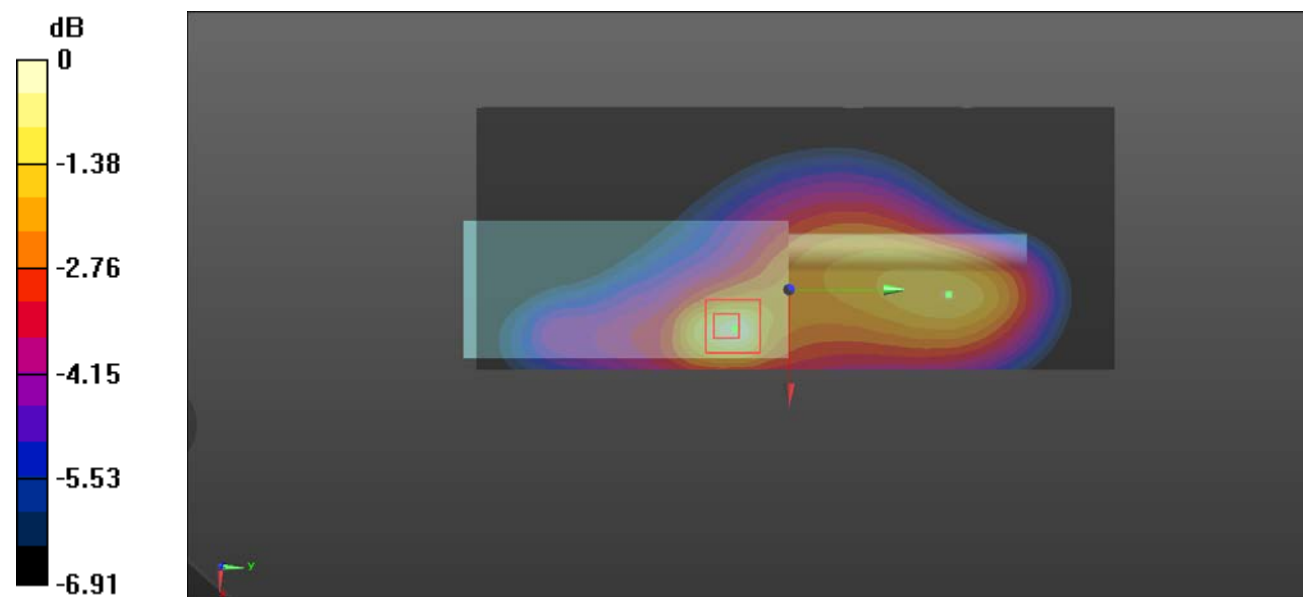
Zoom Scan (5x5x4)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 38.47 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 3.82 W/kg

SAR(1 g) = 1.8 W/kg; SAR(10 g) = 1.07 W/kg

Maximum value of SAR (measured) = 1.92 W/kg



0 dB = 1.92 W/kg = 2.83 dBW/kg

Test Plot 17#: 153.9875MHz_ Body Back_FM_12.5kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 153.9875 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.9875$ MHz; $\sigma = 0.809$ S/m; $\epsilon_r = 61.702$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 153.9875 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) = 1.10 W/kg

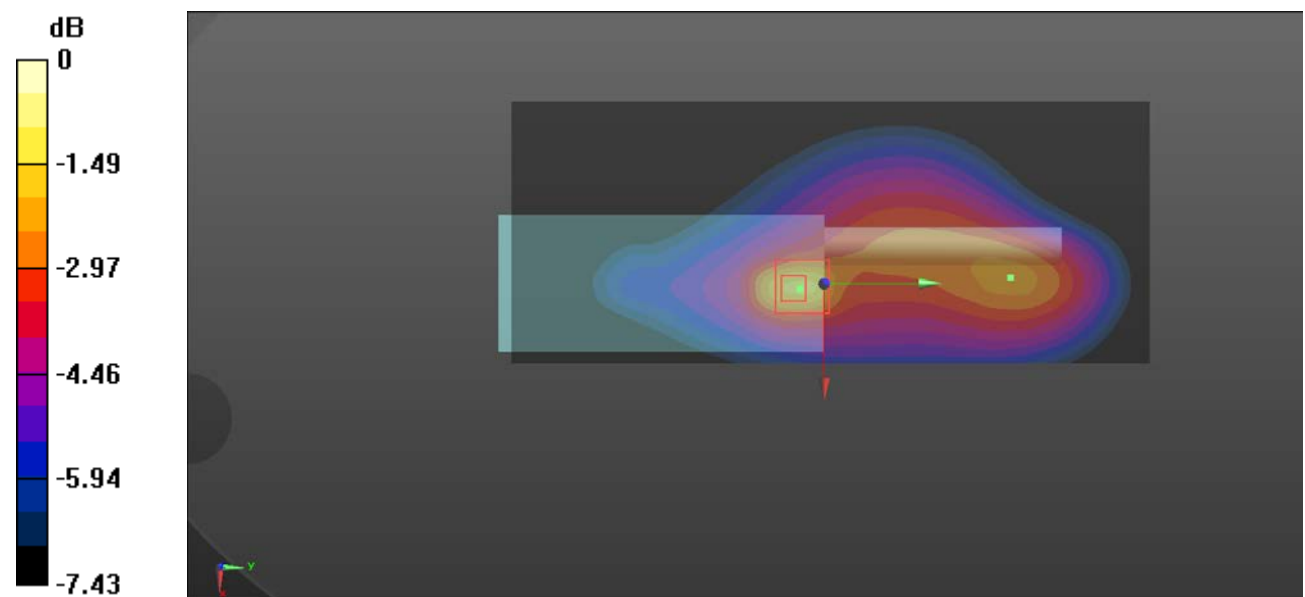
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.48 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.72 W/kg

SAR(1 g) = 1.37 W/kg; SAR(10 g) = 0.842 W/kg

Maximum value of SAR (measured) = 1.50 W/kg



0 dB = 1.50 W/kg = 1.76 dBW/kg

Test Plot 18#: 153.0125MHz_ Body Back_FM_12.5kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 153.0125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.0125$ MHz; $\sigma = 0.806$ S/m; $\epsilon_r = 61.73$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 153.0125 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) = 4.15 W/kg

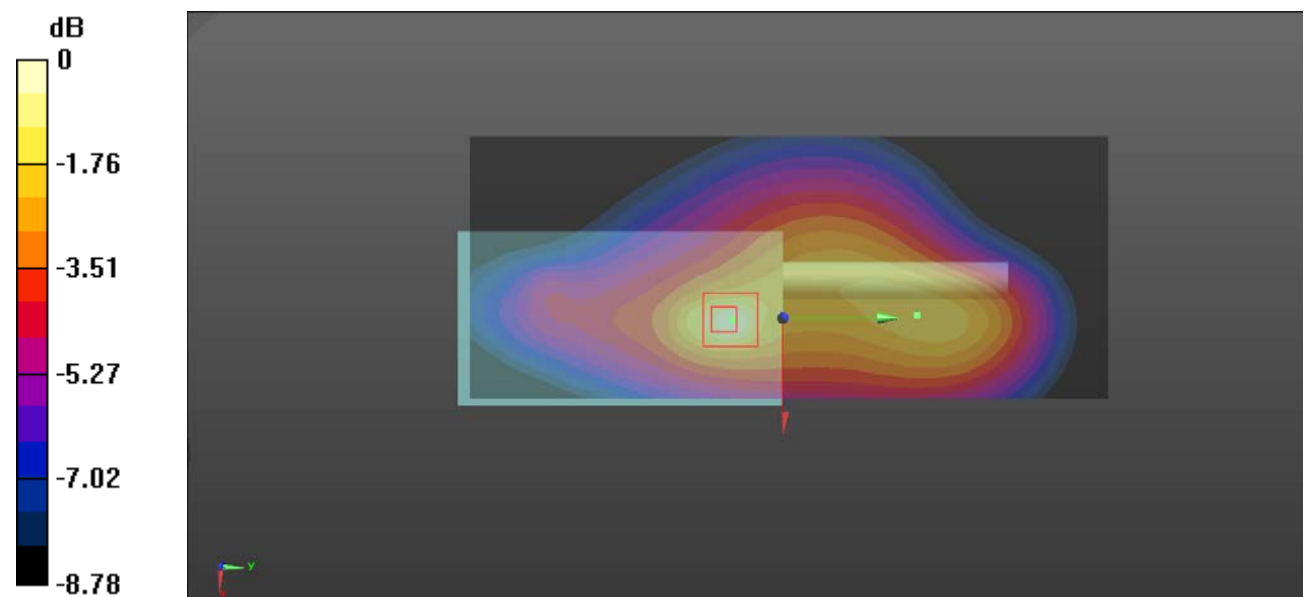
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 56.97 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 8.31 W/kg

SAR(1 g) = 4.03 W/kg; SAR(10 g) = 2.45 W/kg

Maximum value of SAR (measured) = 4.35 W/kg



0 dB = 4.35 W/kg = 6.38 dBW/kg

Test Plot 19#: 158.5125MHz_ Body Back_FM_12.5kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 158.5125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 158.5125$ MHz; $\sigma = 0.814$ S/m; $\epsilon_r = 61.667$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 158.5125 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) = 2.87 W/kg

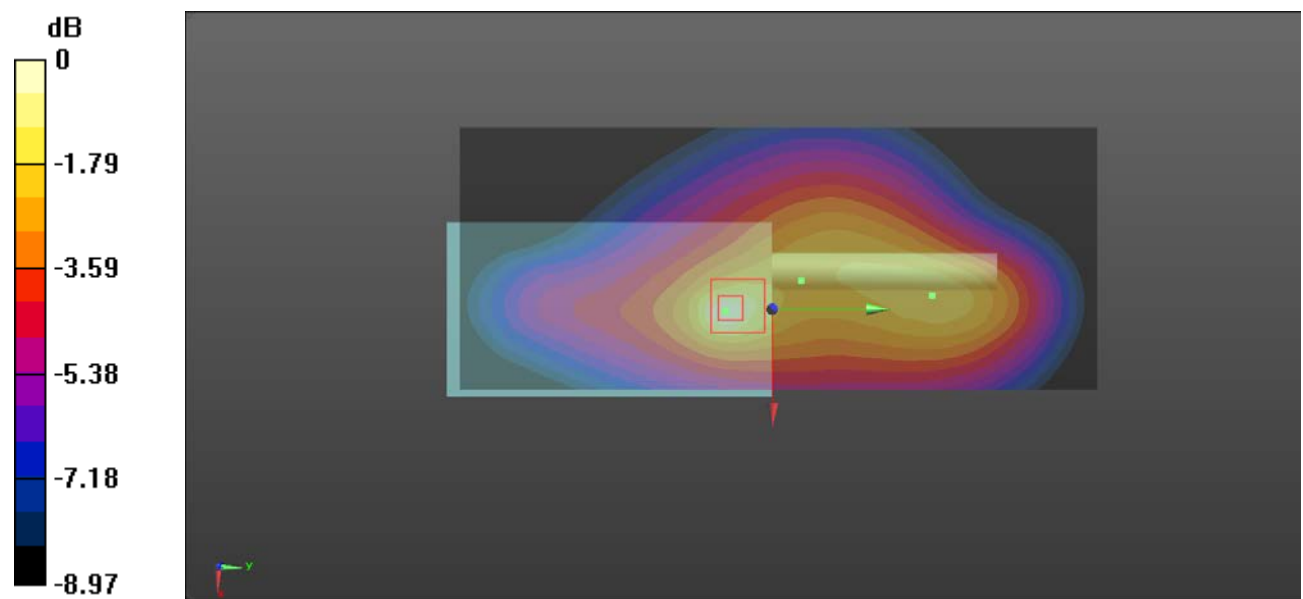
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 48.85 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 5.42 W/kg

SAR(1 g) = 2.67 W/kg; SAR(10 g) = 1.66 W/kg

Maximum value of SAR (measured) = 2.97 W/kg



0 dB = 2.97 W/kg = 4.73 dBW/kg

Test Plot 20#: 163.9875MHz_ Body Back_FM_12.5kHz

DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1

Communication System: FM; Frequency: 163.9875 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 163.9875$ MHz; $\sigma = 0.824$ S/m; $\epsilon_r = 61.484$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 163.9875 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) = 0.549 W/kg

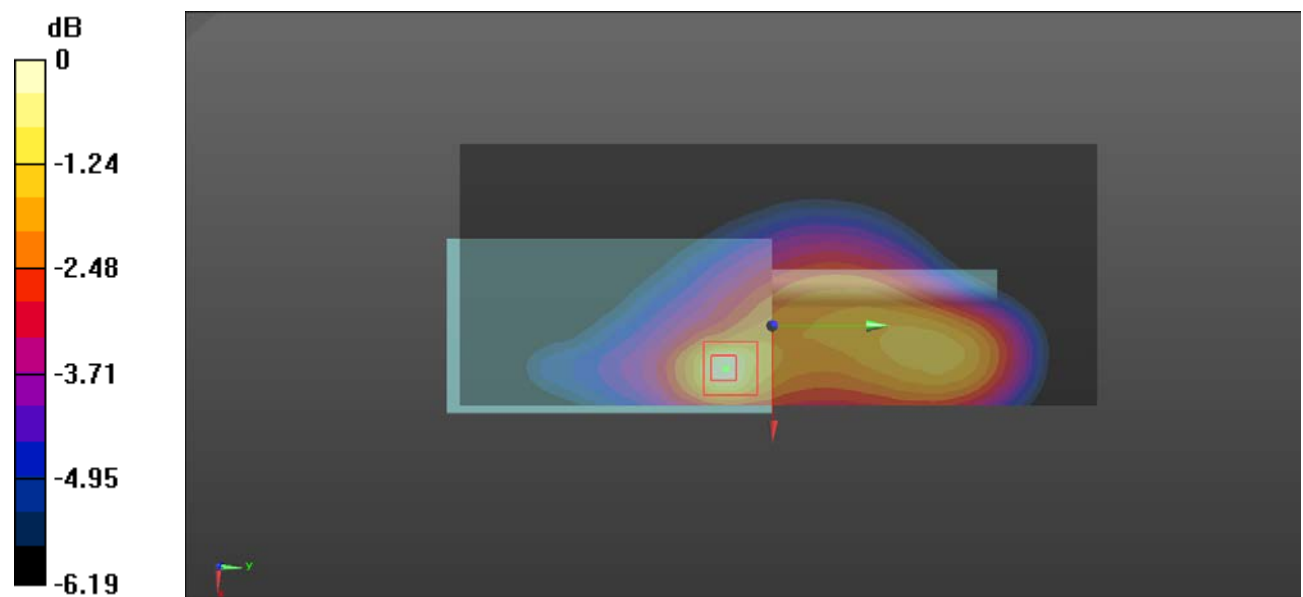
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.56 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.920 W/kg

SAR(1 g) = 0.487 W/kg; SAR(10 g) = 0.312 W/kg

Maximum value of SAR (measured) = 0.540 W/kg



0 dB = 0.540 W/kg = -2.68 dBW/kg

Test Plot 21#: 163.0125MHz_ Body Back_FM_12.5kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 163.0125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 163.0125$ MHz; $\sigma = 0.821$ S/m; $\epsilon_r = 61.508$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 163.0125 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) = 4.62 W/kg

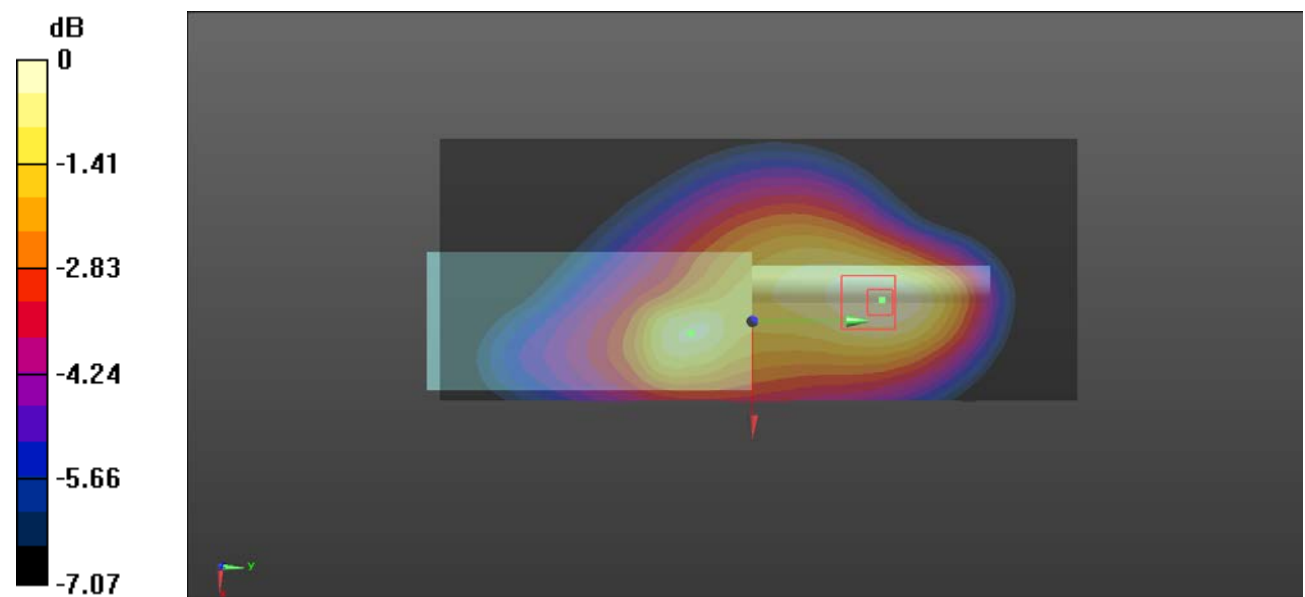
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 66.94 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 6.42 W/kg

SAR(1 g) = 4.27 W/kg; SAR(10 g) = 3.07 W/kg

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



0 dB = 4.50 W/kg = 6.53 dBW/kg

Test Plot 22#: 136.0125MHz_ Body Back_FM_25kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 136.0125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 136.0125$ MHz; $\sigma = 0.78$ S/m; $\epsilon_r = 62.305$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 136.0125 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) = 4.66 W/kg

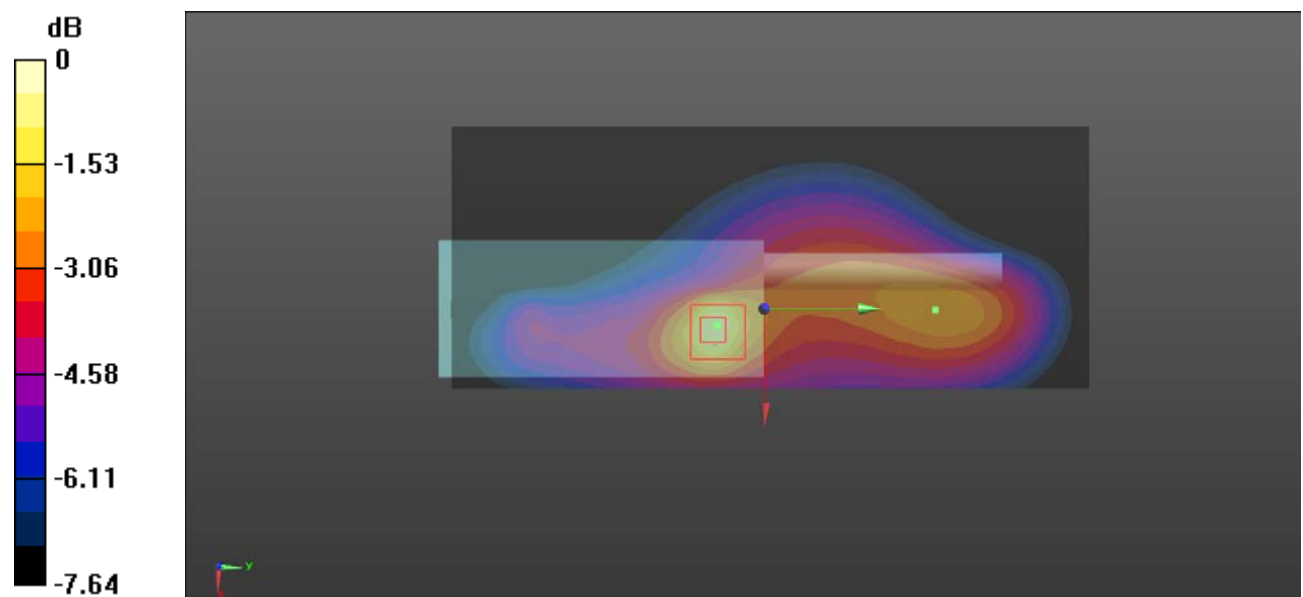
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 64.40 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 11.5 W/kg

SAR(1 g) = 4.98 W/kg; SAR(10 g) = 2.84 W/kg

Maximum value of SAR (measured) = 5.42 W/kg



0 dB = 5.42 W/kg = 7.34 dBW/kg

Test Plot 23#: 140.5125MHz_ Body Back_FM_25kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 140.5125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 140.5125$ MHz; $\sigma = 0.787$ S/m; $\epsilon_r = 62.173$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 140.5125 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) = 2.66 W/kg

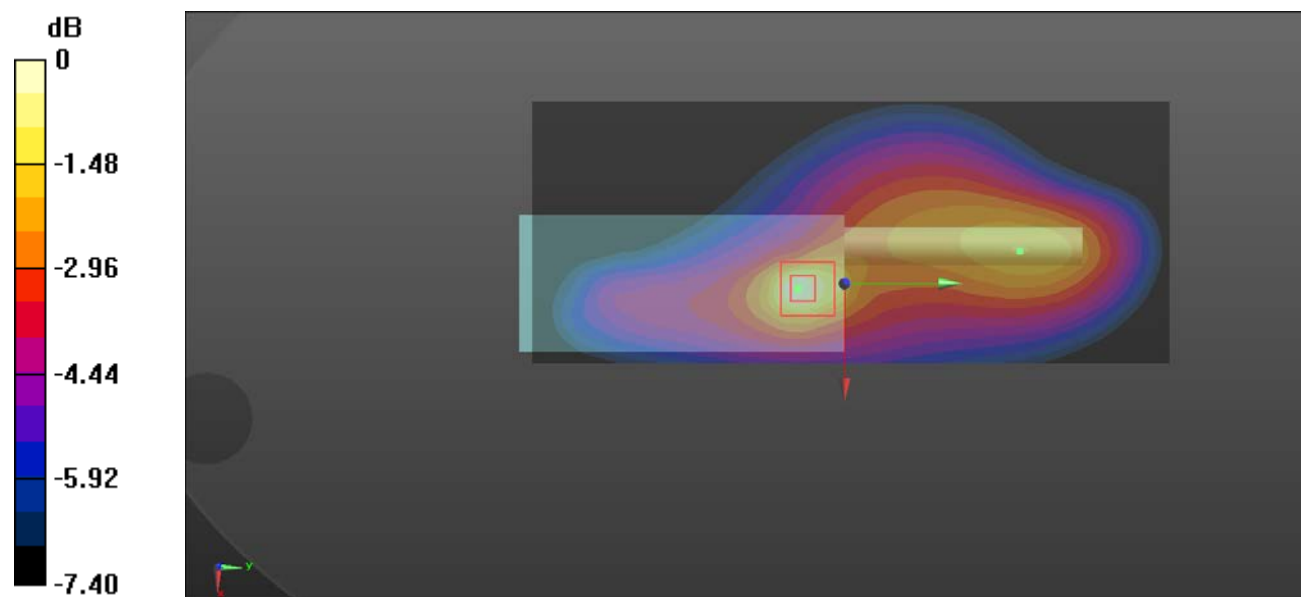
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.69 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 5.23 W/kg

SAR(1 g) = 2.4 W/kg; SAR(10 g) = 1.42 W/kg

Maximum value of SAR (measured) = 2.64 W/kg



0 dB = 2.64 W/kg = 4.22 dBW/kg

Test Plot 24#: 144.9875MHz_ Body Back_FM_25kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 144.9875 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 144.9875$ MHz; $\sigma = 0.7949$ S/m; $\epsilon_r = 61.967$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 144.9875 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) = 1.03 W/kg

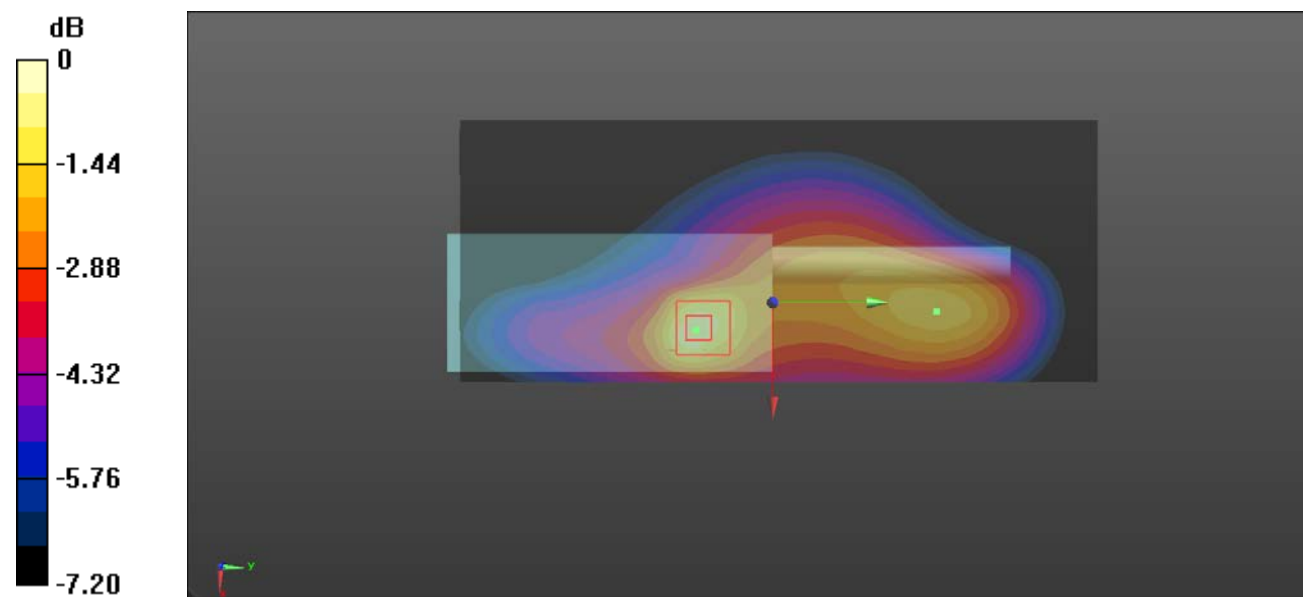
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.51 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.28 W/kg

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.632 W/kg

Maximum value of SAR (measured) = 1.17 W/kg



0 dB = 1.17 W/kg = 0.68 dBW/kg

Test Plot 25#: 144.0125MHz_ Body Back_FM_25kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 144.0125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 144.0125$ MHz; $\sigma = 0.792$ S/m; $\epsilon_r = 62.073$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 144.0125 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) = 3.87 W/kg

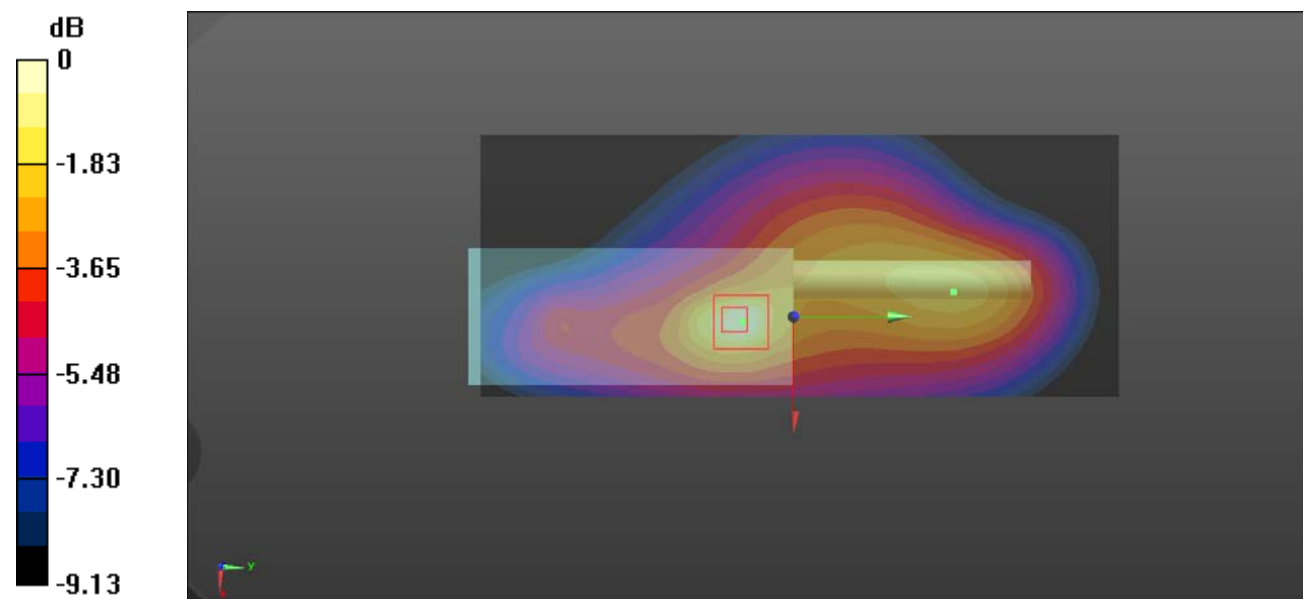
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 53.21 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 7.78 W/kg

SAR(1 g) = 4.63 W/kg; SAR(10 g) = 2.4 W/kg

Maximum value of SAR (measured) = 3.82 W/kg



0 dB = 3.82 W/kg = 5.82 dBW/kg

Test Plot 26#: 153.0125MHz_ Body Back_FM_25kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 153.0125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.0125$ MHz; $\sigma = 0.806$ S/m; $\epsilon_r = 61.73$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 153.0125 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) = 4.37 W/kg

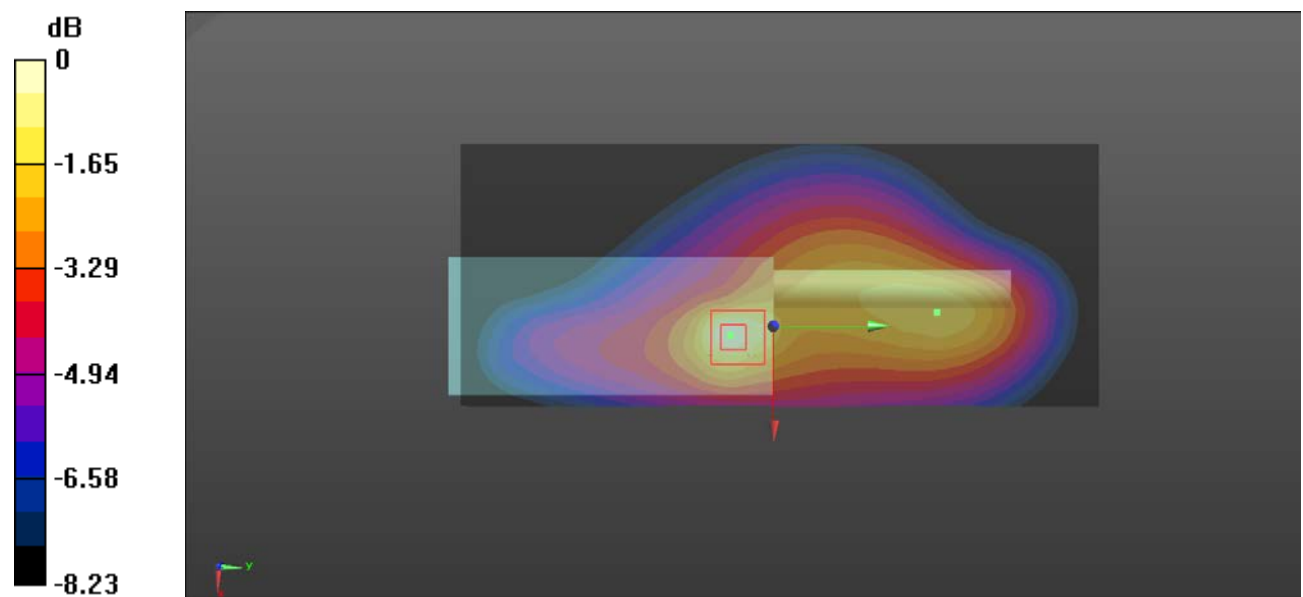
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 59.50 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 8.45 W/kg

SAR(1 g) = 4.01 W/kg; SAR(10 g) = 2.42 W/kg

Maximum value of SAR (measured) = 4.44 W/kg



0 dB = 4.44 W/kg = 6.47 dBW/kg

Test Plot 27#: 163.0125MHz_ Body Back_FM_25kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 163.0125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 163.0125$ MHz; $\sigma = 0.821$ S/m; $\epsilon_r = 61.508$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 163.0125 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) = 4.80 W/kg

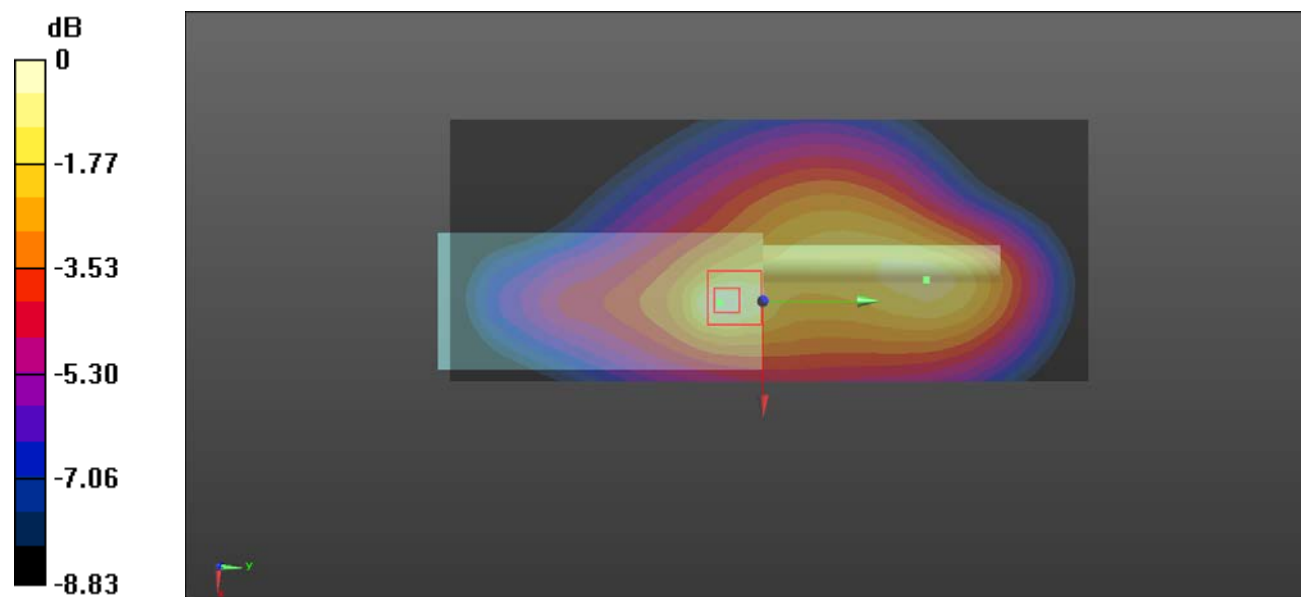
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 70.30 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 9.21 W/kg

SAR(1 g) = 4.63 W/kg; SAR(10 g) = 2.9 W/kg

Maximum value of SAR (measured) = 5.02 W/kg



0 dB = 5.02 W/kg = 7.01 dBW/kg

Test Plot 28#: 168.5125MHz_ Body Back_FM_25kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 168.5125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 168.5125$ MHz; $\sigma = 0.829$ S/m; $\epsilon_r = 61.429$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 168.5125 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) = 1.71 W/kg

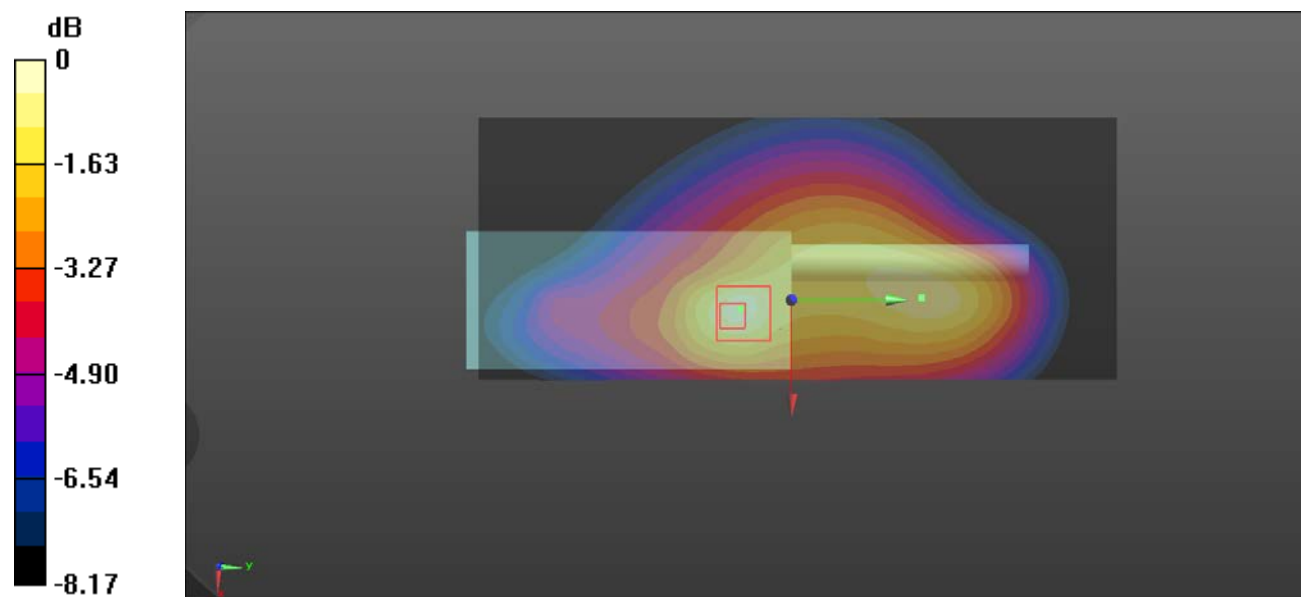
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 40.32 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 3.15 W/kg

SAR(1 g) = 1.69 W/kg; SAR(10 g) = 1.09 W/kg

Maximum value of SAR (measured) = 1.79 W/kg



0 dB = 1.79 W/kg = 2.53 dBW/kg

Test Plot 29#: 173.9875MHz_ Body Back_FM_25kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: FM; Frequency: 173.9875 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 173.9875$ MHz; $\sigma = 0.835$ S/m; $\epsilon_r = 61.243$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 173.9875 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) = 1.13 W/kg

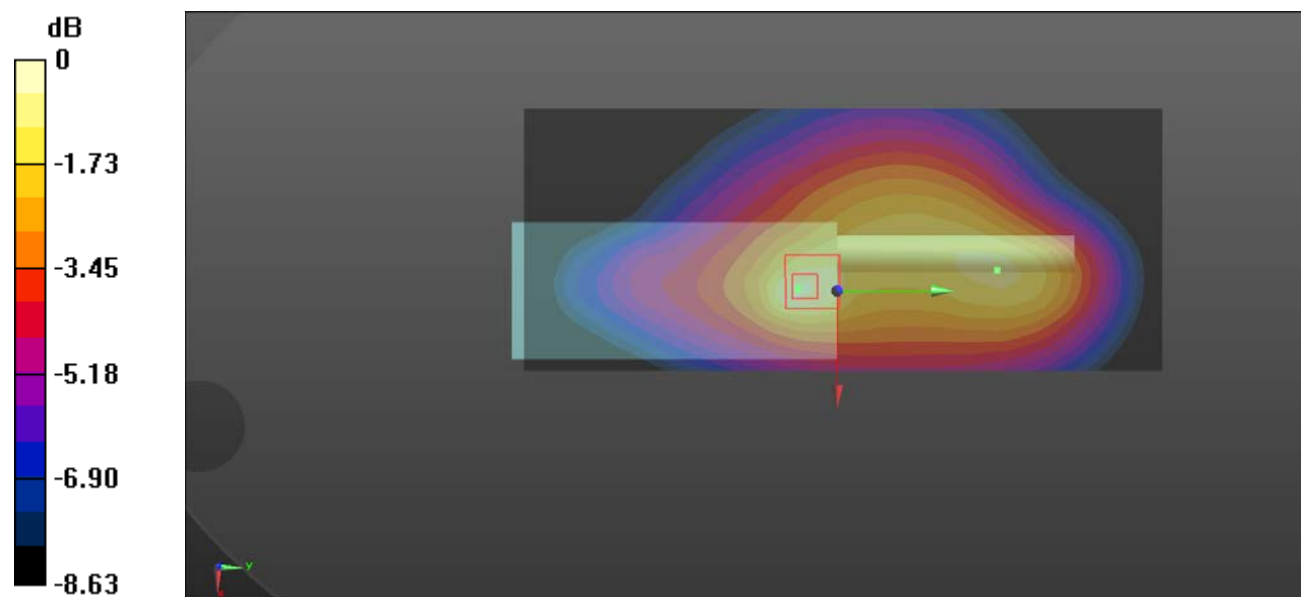
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.88 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.11 W/kg

SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.750 W/kg

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



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

Test Plot 30#: 136.0125MHz_ Body Back_FM_25kHz**DUT: Digital Portable Radio; Type: HP702VHF; Serial: DG2210727-31336E-SA-S2**

Communication System: FM; Frequency: 136.0125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 136.0125$ MHz; $\sigma = 0.78$ S/m; $\epsilon_r = 62.305$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 136.0125 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) = 8.10 W/kg

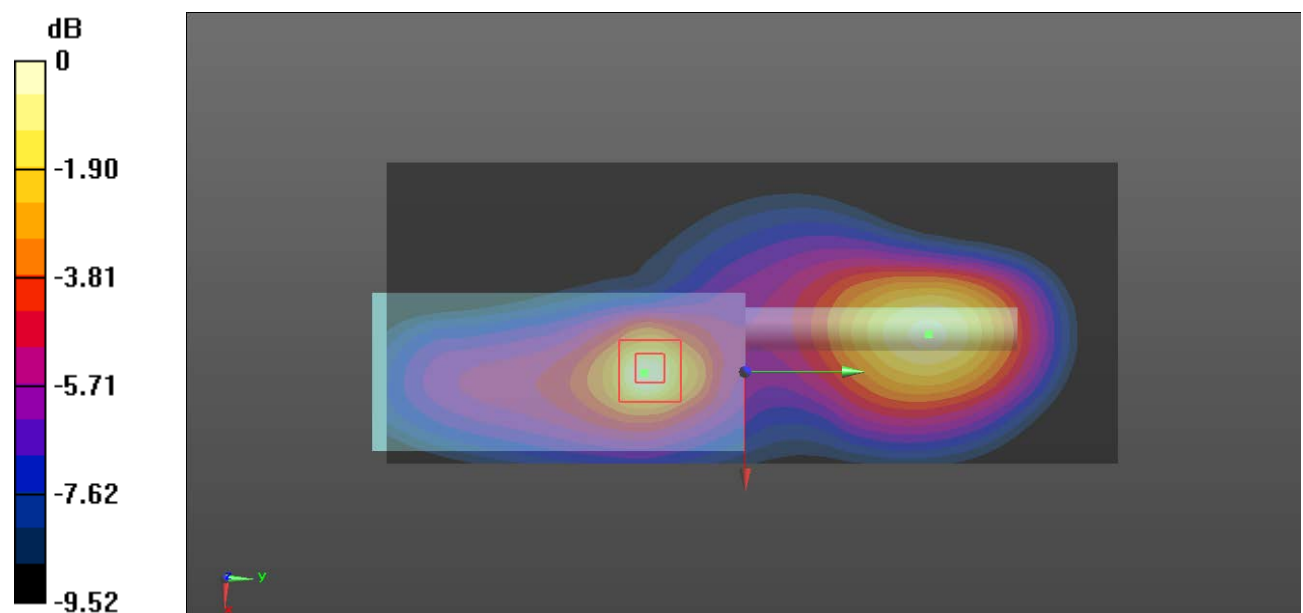
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 57.03 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 15.2 W/kg

SAR(1 g) = 4.97 W/kg; SAR(10 g) = 2.51 W/kg

Maximum value of SAR (measured) = 8.00 W/kg



0 dB = 8.00 W/kg = 9.03 dBW/kg

Test Plot 31#: 136.0125MHz_ Body Back_4FSK_12.5kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: 4FSK; Frequency: 136.0125 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 136.0125$ MHz; $\sigma = 0.78$ S/m; $\epsilon_r = 62.305$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 136.0125 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) = 3.05 W/kg

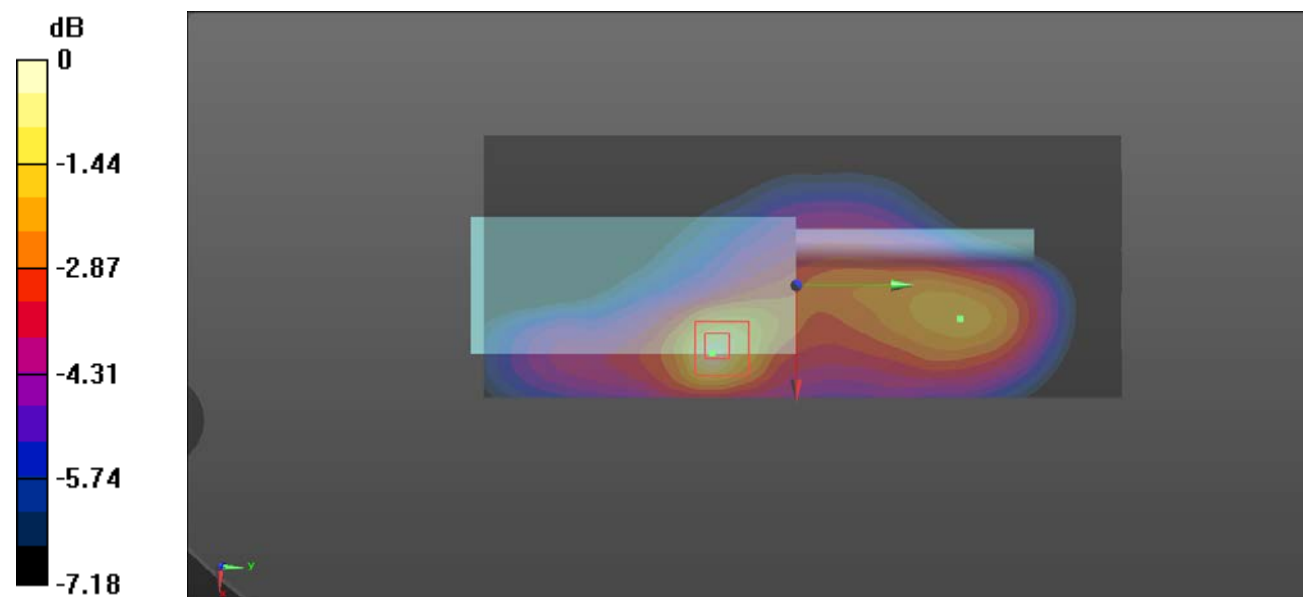
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.05 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 6.89 W/kg

SAR(1 g) = 3.11 W/kg; SAR(10 g) = 1.81 W/kg

Maximum value of SAR (measured) = 3.21 W/kg



0 dB = 3.21 W/kg = 5.07 dBW/kg

Test Plot 32#: 144.0125MHz_ Body Back_4FSK_12.5kHz

DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1

Communication System: 4FSK; Frequency: 144.0125 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 144.0125$ MHz; $\sigma = 0.792$ S/m; $\epsilon_r = 62.073$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 144.0125 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) = 2.04 W/kg

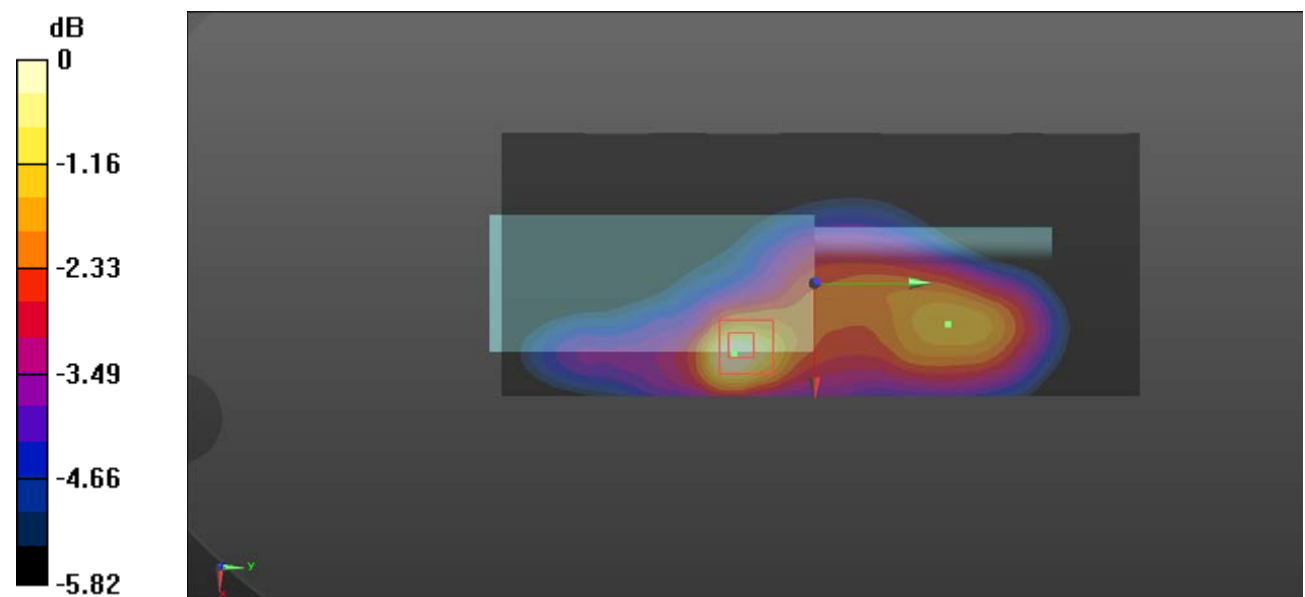
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.15 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 3.74 W/kg

SAR(1 g) = 1.89 W/kg; SAR(10 g) = 1.12 W/kg

Maximum value of SAR (measured) = 1.93 W/kg



0 dB = 1.93 W/kg = 2.86 dBW/kg

Test Plot 33#: 153.0125MHz_ Body Back_4FSK_12.5kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: 4FSK; Frequency: 153.0125 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 153.0125$ MHz; $\sigma = 0.806$ S/m; $\epsilon_r = 61.73$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 153.0125 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) = 2.13 W/kg

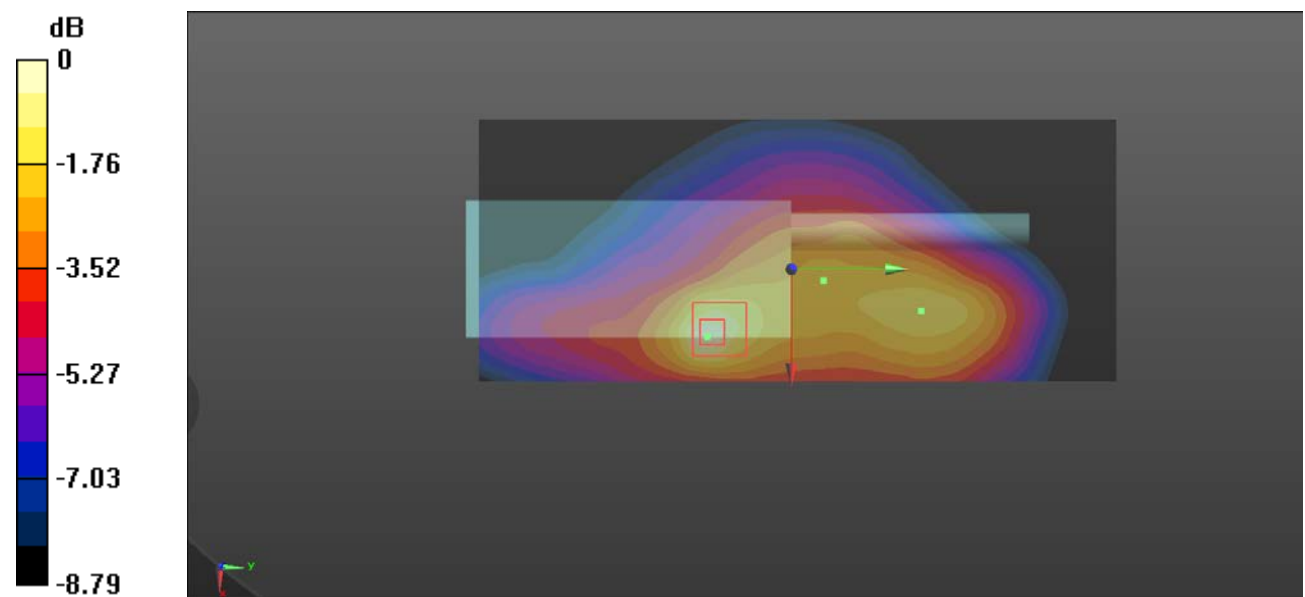
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.70 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 4.41 W/kg

SAR(1 g) = 2.06 W/kg; SAR(10 g) = 1.24 W/kg

Maximum value of SAR (measured) = 2.23 W/kg



0 dB = 2.23 W/kg = 3.48 dBW/kg

Test Plot 34#: 163.0125MHz_ Body Back_4FSK_12.5kHz**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: DG2210727-31336E-SA-S1**

Communication System: 4FSK; Frequency: 163.0125 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 163.0125$ MHz; $\sigma = 0.821$ S/m; $\epsilon_r = 61.508$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 163.0125 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) = 2.47 W/kg

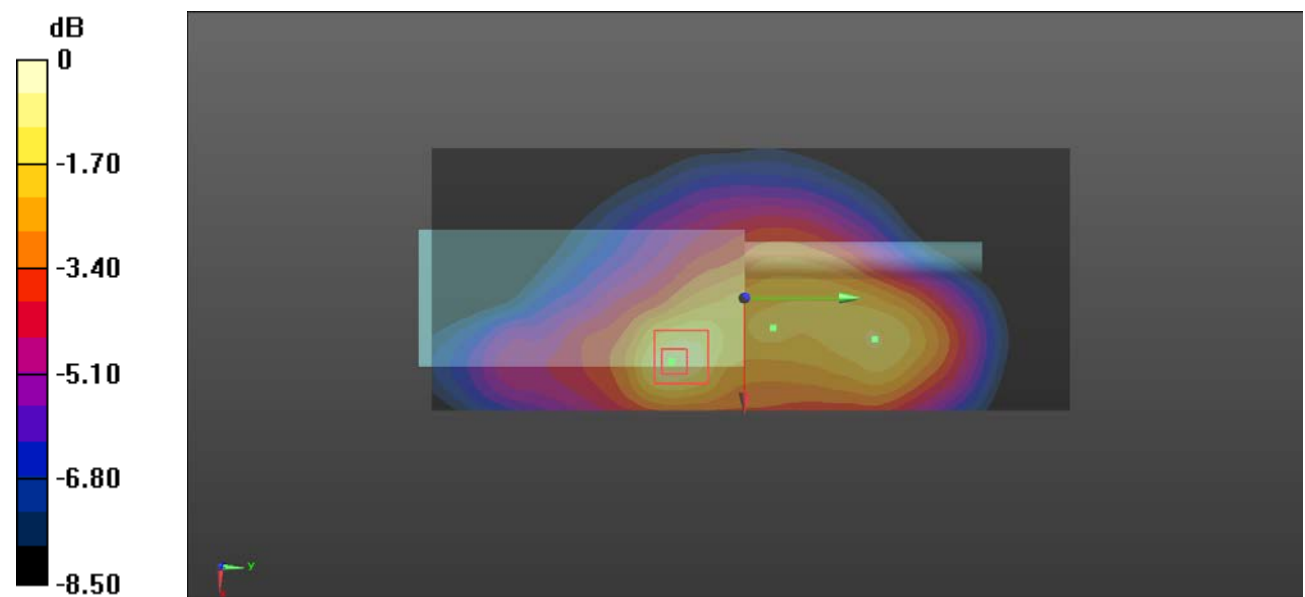
Zoom Scan (5x5x4)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 45.16 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 5.62 W/kg

SAR(1 g) = 2.6 W/kg; SAR(10 g) = 1.62 W/kg

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



0 dB = 2.86 W/kg = 4.56 dBW/kg