

Test Plot 1#: FM_12.5kHz_136.0125MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.722$ S/m; $\epsilon_r = 55.286$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.67, 7.67, 7.67) @ 136.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.38 W/kg

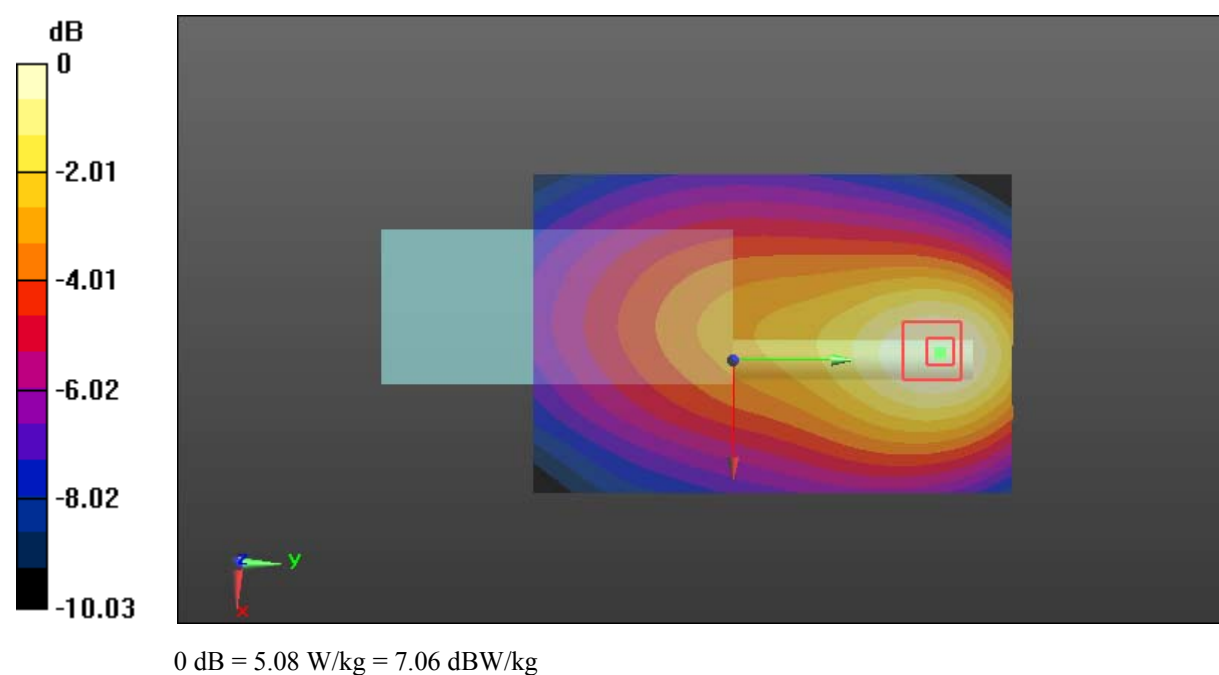
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 61.62 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 8.46 W/kg

SAR(1 g) = 4.89 W/kg; SAR(10 g) = 3.31 W/kg

Maximum value of SAR (measured) = 5.08 W/kg



Test Plot 2#: FM_25kHz_136.0125MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.722$ S/m; $\epsilon_r = 55.286$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.67, 7.67, 7.67) @ 136.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

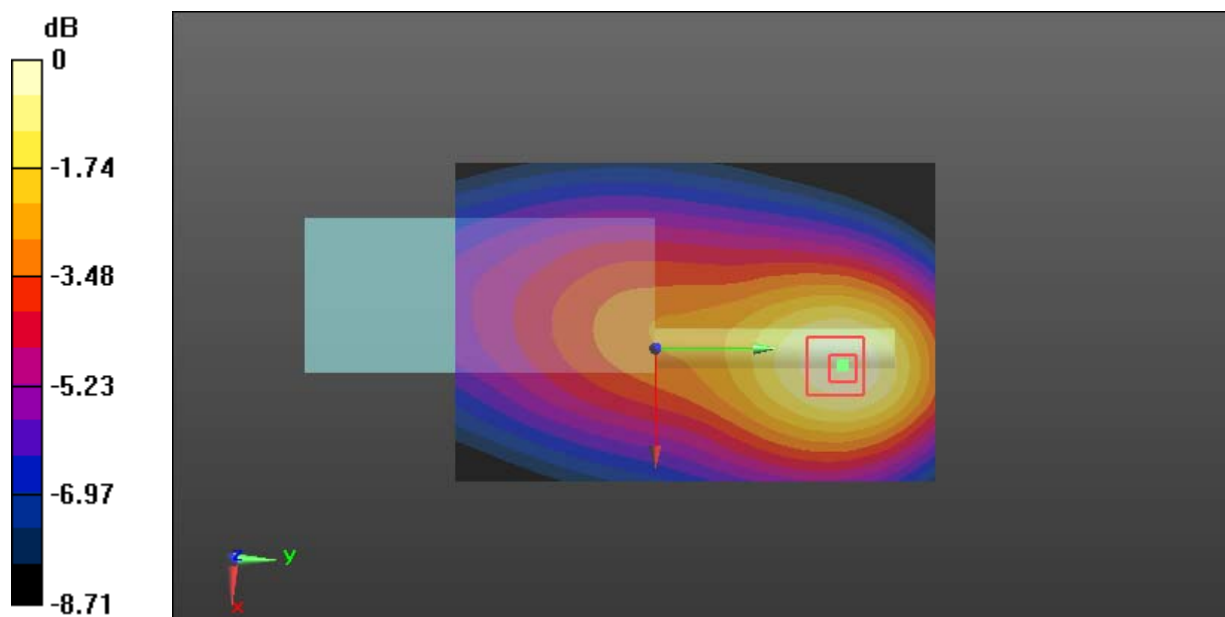
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 49.43 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 5.58 W/kg

SAR(1 g) = 3.53 W/kg; SAR(10 g) = 2.48 W/kg

Maximum value of SAR (measured) = 3.68 W/kg



0 dB = 3.68 W/kg = 5.66 dBW/kg

Test Plot 3#: 4FSK_136.0125MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.722$ S/m; $\epsilon_r = 55.286$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.67, 7.67, 7.67) @ 136.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

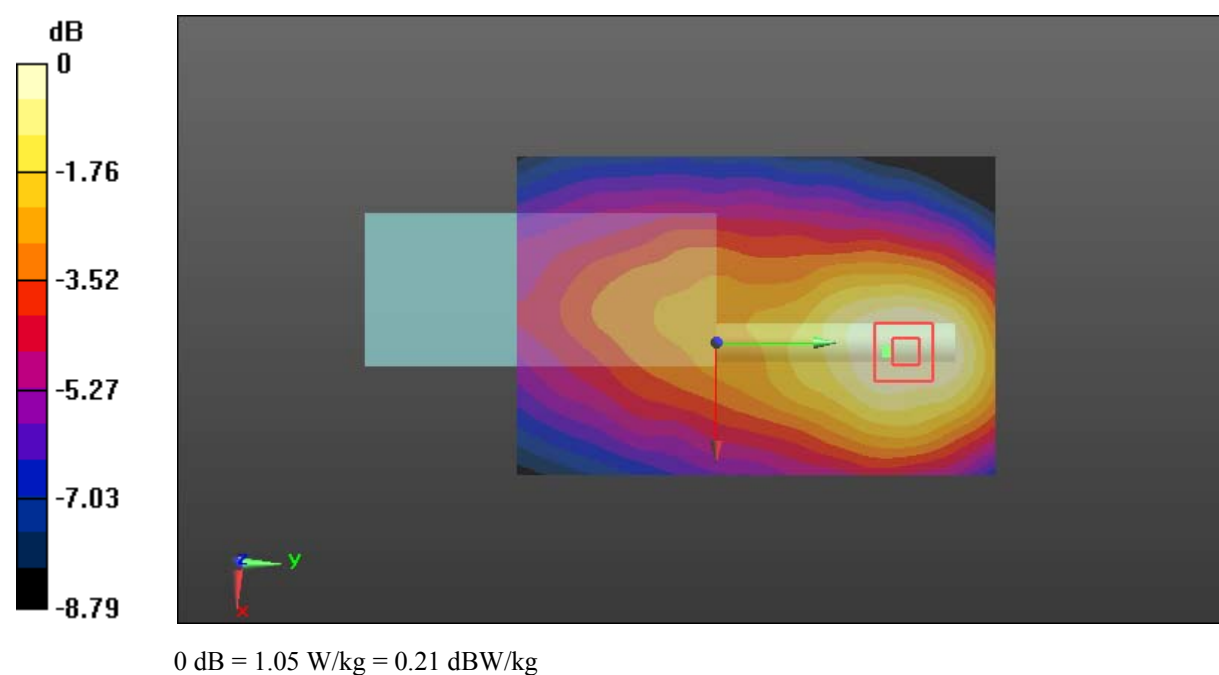
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.33 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.702 W/kg

Maximum value of SAR (measured) = 1.05 W/kg



Test Plot 4#: FM_12.5kHz_136.0125MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.781$ S/m; $\epsilon_r = 62.285$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.3, 7.3, 7.3) @ 136.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.83 W/kg

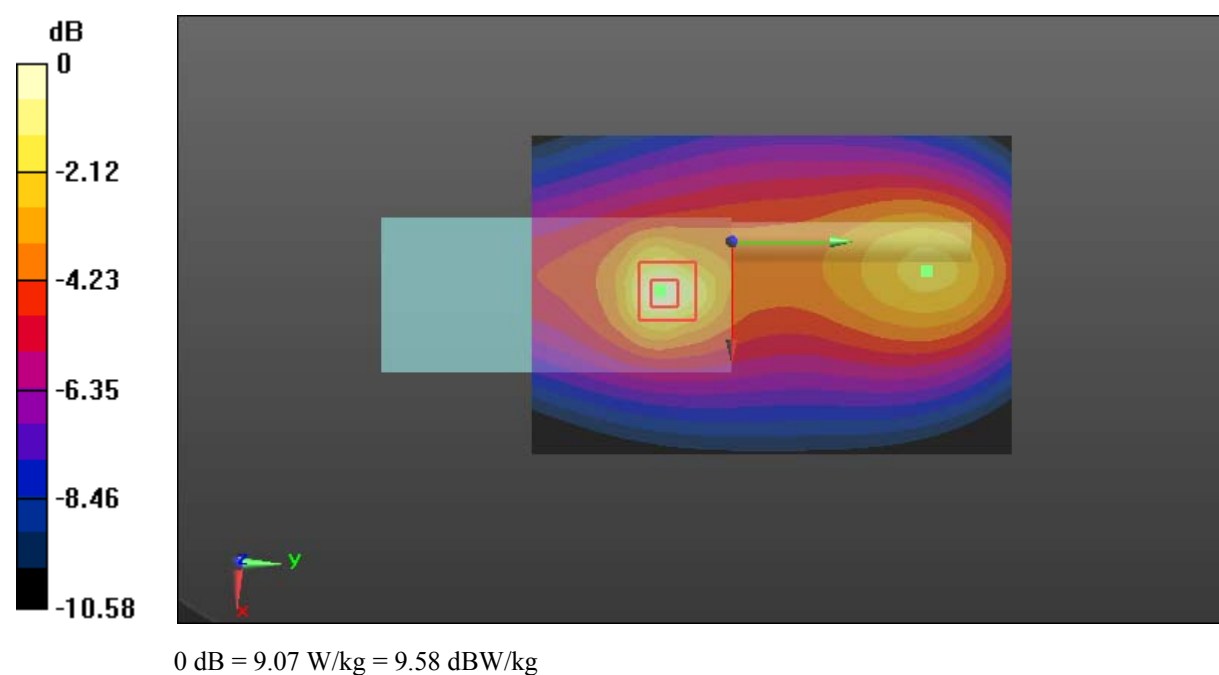
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 73.60 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 22.0 W/kg

SAR(1 g) = 8.49 W/kg; SAR(10 g) = 4.66 W/kg

Maximum value of SAR (measured) = 9.07 W/kg



Test Plot 5#: FM_12.5kHz_140.5125MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

Communication System: FM; Frequency: 140.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 140.512$ MHz; $\sigma = 0.788$ S/m; $\epsilon_r = 62.122$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.3, 7.3, 7.3) @ 140.512 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

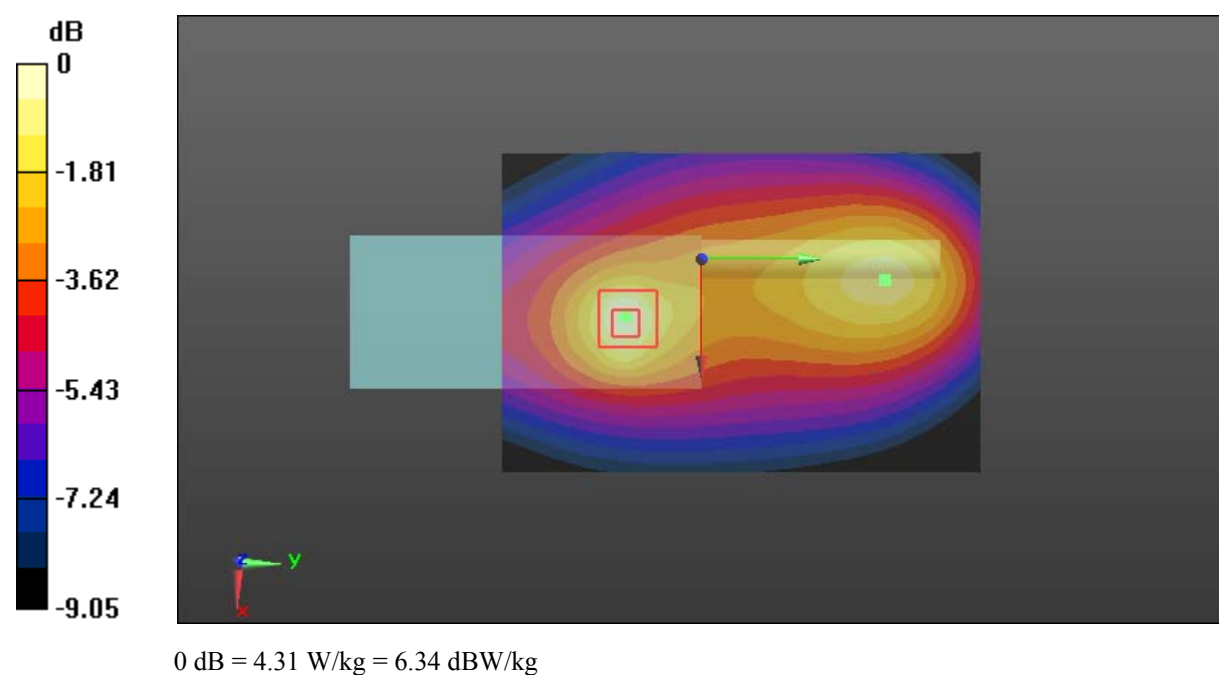
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 58.00 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 9.05 W/kg

SAR(1 g) = 4.09 W/kg; SAR(10 g) = 2.46 W/kg

Maximum value of SAR (measured) = 4.31 W/kg



Test Plot 6#: FM_12.5kHz_144.9875MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

Communication System: FM; Frequency: 144.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 144.988$ MHz; $\sigma = 0.798$ S/m; $\epsilon_r = 61.961$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.3, 7.3, 7.3) @ 144.988 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

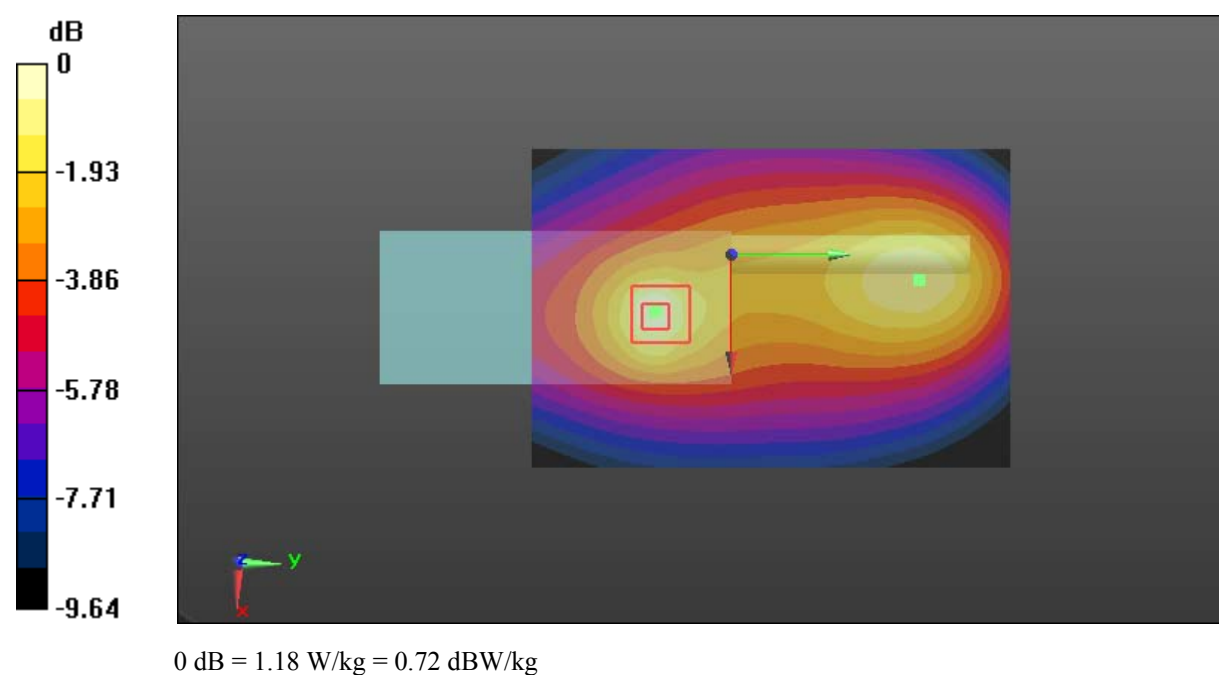
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.97 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.48 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.672 W/kg

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



Test Plot 7#: FM_25kHz_136.0125MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.781$ S/m; $\epsilon_r = 62.285$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.3, 7.3, 7.3) @ 136.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.05 W/kg

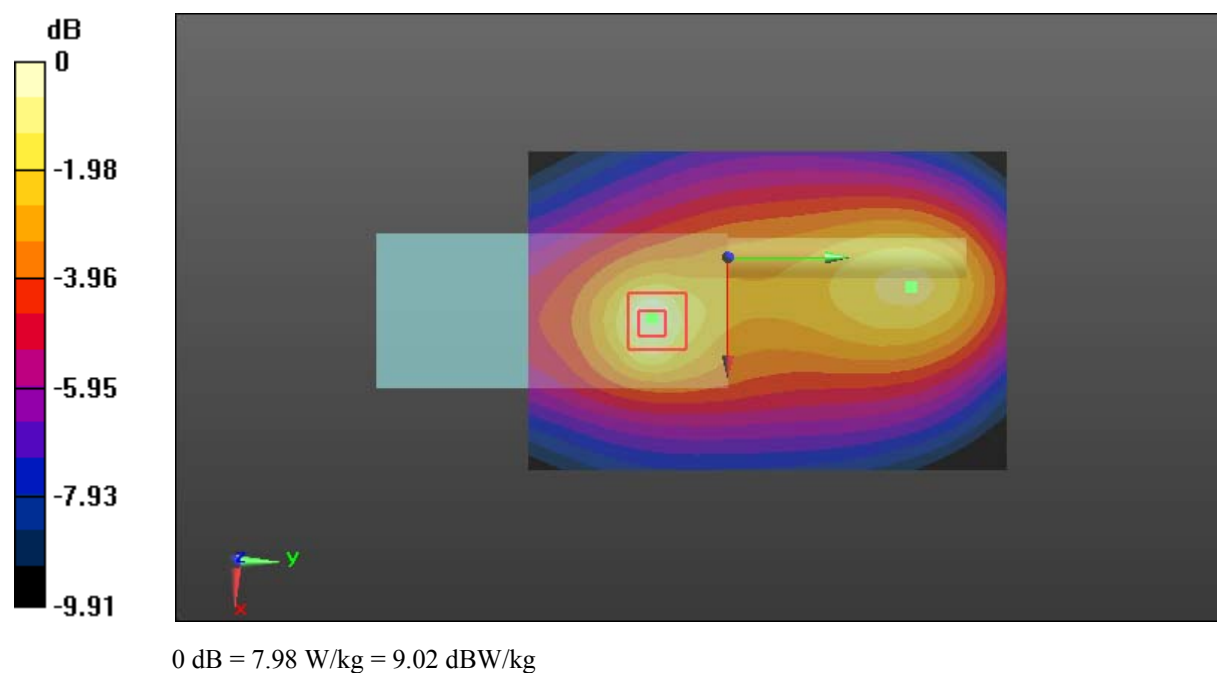
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 79.61 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 16.9 W/kg

SAR(1 g) = 7.48 W/kg; SAR(10 g) = 4.43 W/kg

Maximum value of SAR (measured) = 7.98 W/kg



Test Plot 8#: 4FSK_136.0125MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.781$ S/m; $\epsilon_r = 62.285$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.3, 7.3, 7.3) @ 136.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.41 W/kg

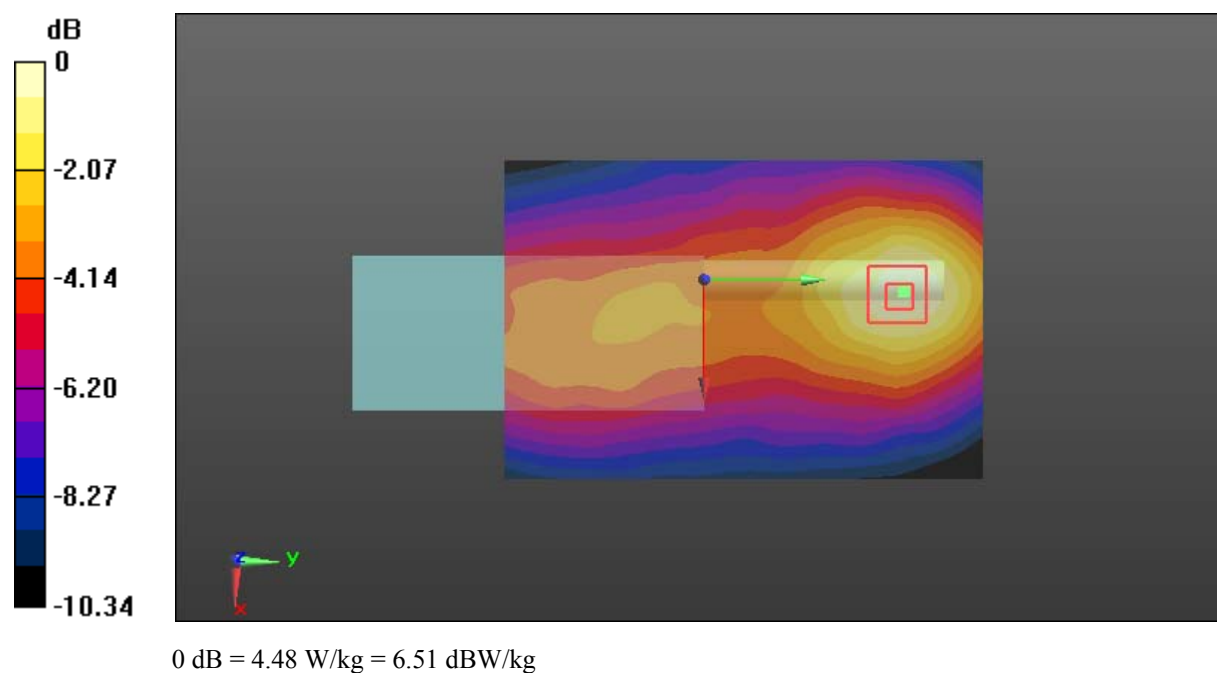
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 51.61 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 8.19 W/kg

SAR(1 g) = 4.22 W/kg; SAR(10 g) = 2.72 W/kg

Maximum value of SAR (measured) = 4.48 W/kg



Test Plot 9#: FM_12.5kHz_144.0125MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

Communication System: FM; Frequency: 144.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 144.012$ MHz; $\sigma = 0.737$ S/m; $\epsilon_r = 54.456$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.67, 7.67, 7.67) @ 144.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.88 W/kg

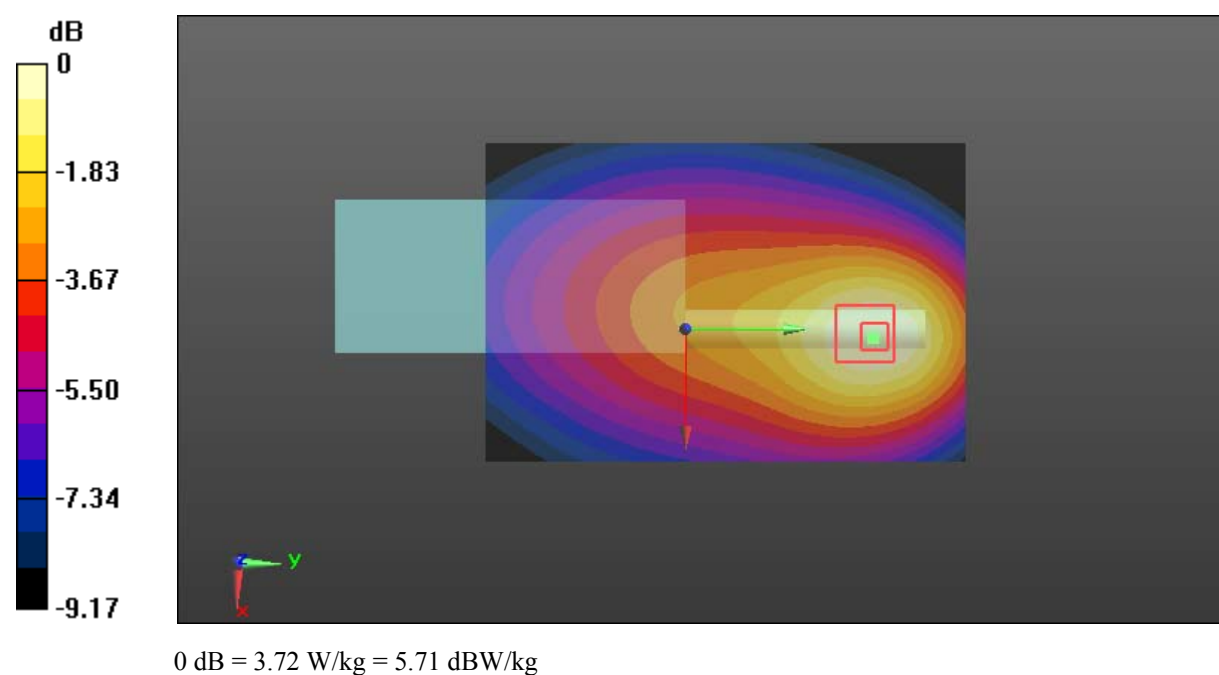
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.57 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 6.15 W/kg

SAR(1 g) = 3.56 W/kg; SAR(10 g) = 2.43 W/kg

Maximum value of SAR (measured) = 3.72 W/kg



Test Plot 10#: FM_25kHz_144.0125MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

Communication System: FM; Frequency: 144.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 144.012$ MHz; $\sigma = 0.737$ S/m; $\epsilon_r = 54.456$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.67, 7.67, 7.67) @ 144.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

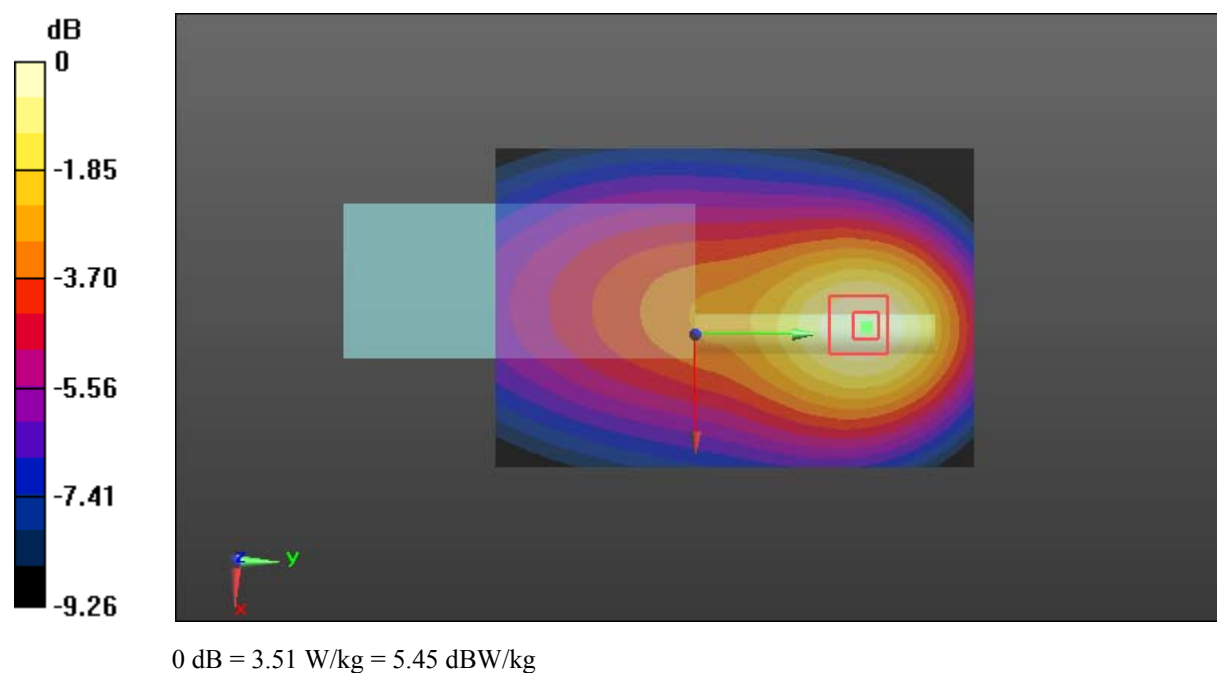
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 49.14 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 5.52 W/kg

SAR(1 g) = 3.35 W/kg; SAR(10 g) = 2.28 W/kg

Maximum value of SAR (measured) = 3.51 W/kg



Test Plot 11#: 4FSK_144.0125MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

Communication System: 4FSK; Frequency: 144.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 144.012$ MHz; $\sigma = 0.737$ S/m; $\epsilon_r = 54.456$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.67, 7.67, 7.67) @ 144.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.27 W/kg

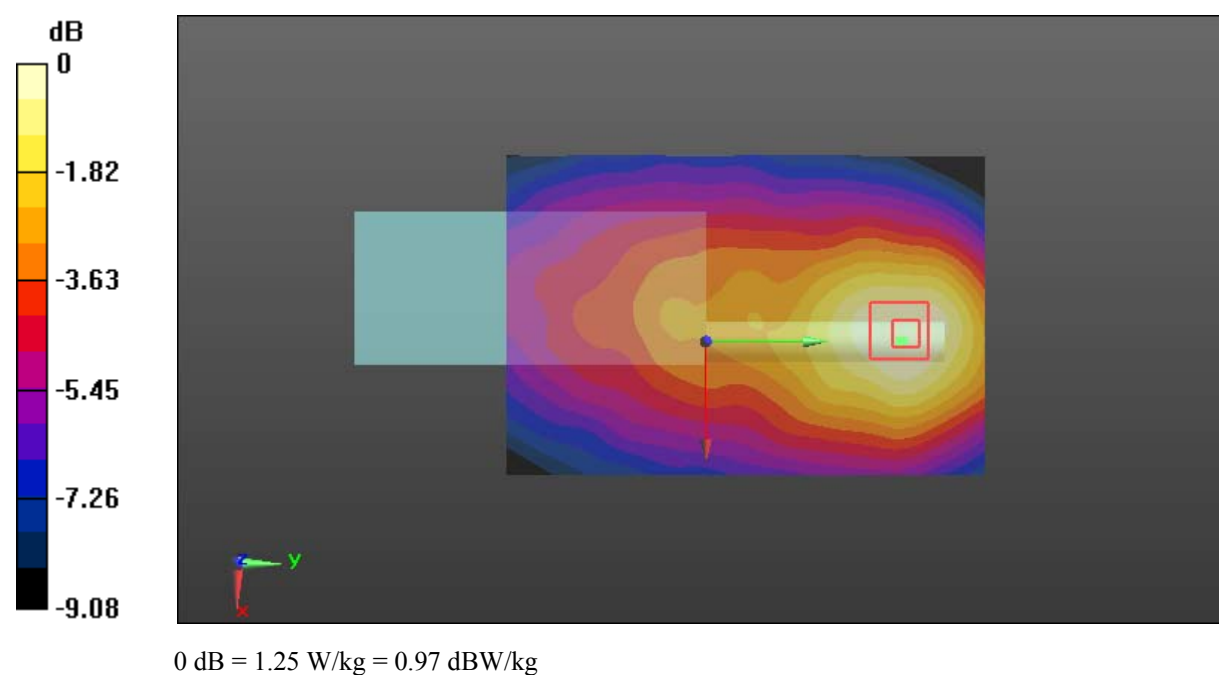
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.57 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 2.01 W/kg

SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.807 W/kg

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



Test Plot 12#: FM_12.5kHz_144.0125MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

Communication System: FM; Frequency: 144.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 144.012$ MHz; $\sigma = 0.795$ S/m; $\epsilon_r = 61.995$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.3, 7.3, 7.3) @ 144.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.63 W/kg

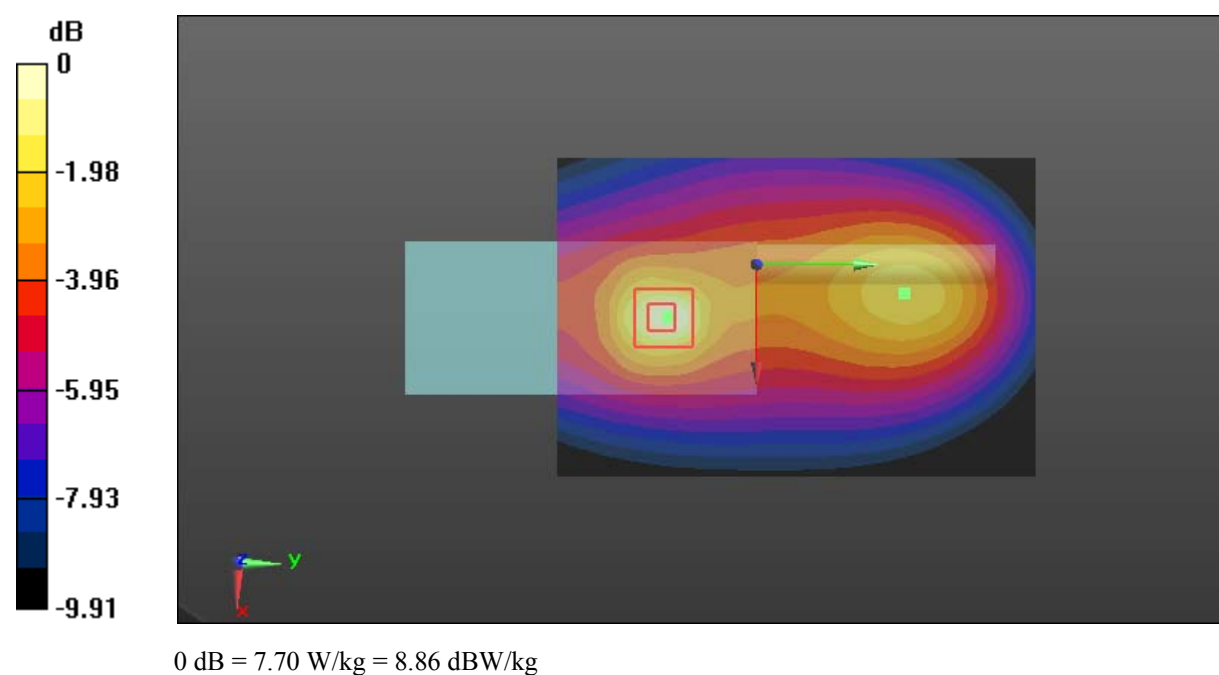
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 68.22 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 18.3 W/kg

SAR(1 g) = 7.27 W/kg; SAR(10 g) = 4.07 W/kg

Maximum value of SAR (measured) = 7.70 W/kg



Test Plot 13#: FM_12.5kHz_149.0125MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

Communication System: FM; Frequency: 149.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 149.012$ MHz; $\sigma = 0.806$ S/m; $\epsilon_r = 61.819$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.3, 7.3, 7.3) @ 149.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

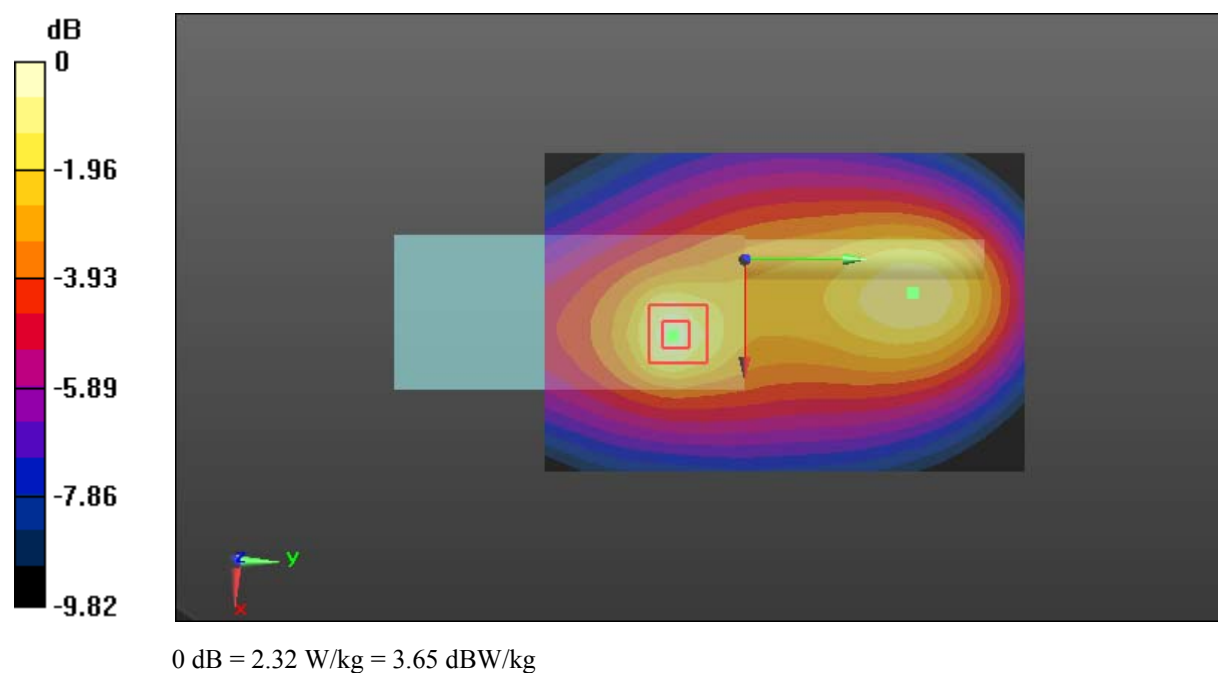
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.51 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 4.81 W/kg

SAR(1 g) = 2.15 W/kg; SAR(10 g) = 1.28 W/kg

Maximum value of SAR (measured) = 2.32 W/kg



Test Plot 14#: FM_12.5kHz_153.9875MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

Communication System: FM; Frequency: 153.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.988$ MHz; $\sigma = 0.815$ S/m; $\epsilon_r = 61.634$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.3, 7.3, 7.3) @ 153.988 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

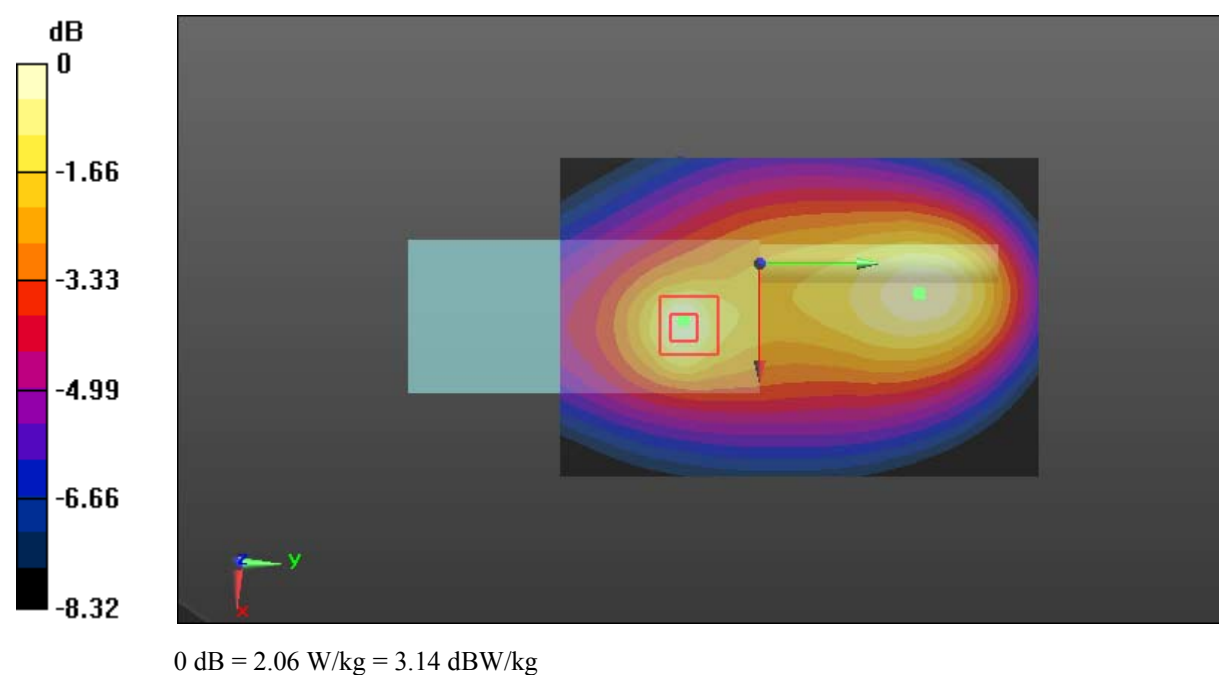
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 41.18 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 4.31 W/kg

SAR(1 g) = 1.97 W/kg; SAR(10 g) = 1.21 W/kg

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



Test Plot 15#: FM_25kHz_144.0125MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

Communication System: FM; Frequency: 144.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 144.012$ MHz; $\sigma = 0.795$ S/m; $\epsilon_r = 61.995$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.3, 7.3, 7.3) @ 144.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.16 W/kg

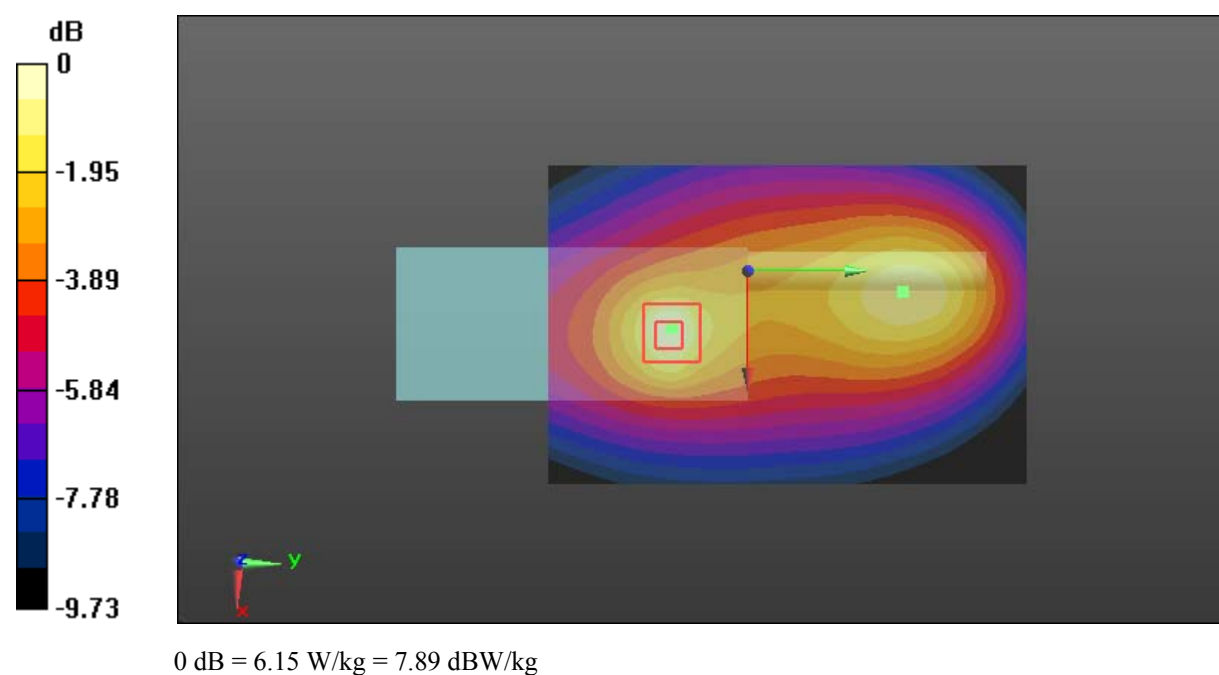
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 65.85 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 13.2 W/kg

SAR(1 g) = 5.82 W/kg; SAR(10 g) = 3.46 W/kg

Maximum value of SAR (measured) = 6.15 W/kg



Test Plot 16#: 4FSK_144.0125MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

Communication System: 4FSK; Frequency: 144.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 144.012$ MHz; $\sigma = 0.795$ S/m; $\epsilon_r = 61.995$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.3, 7.3, 7.3) @ 144.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.46 W/kg

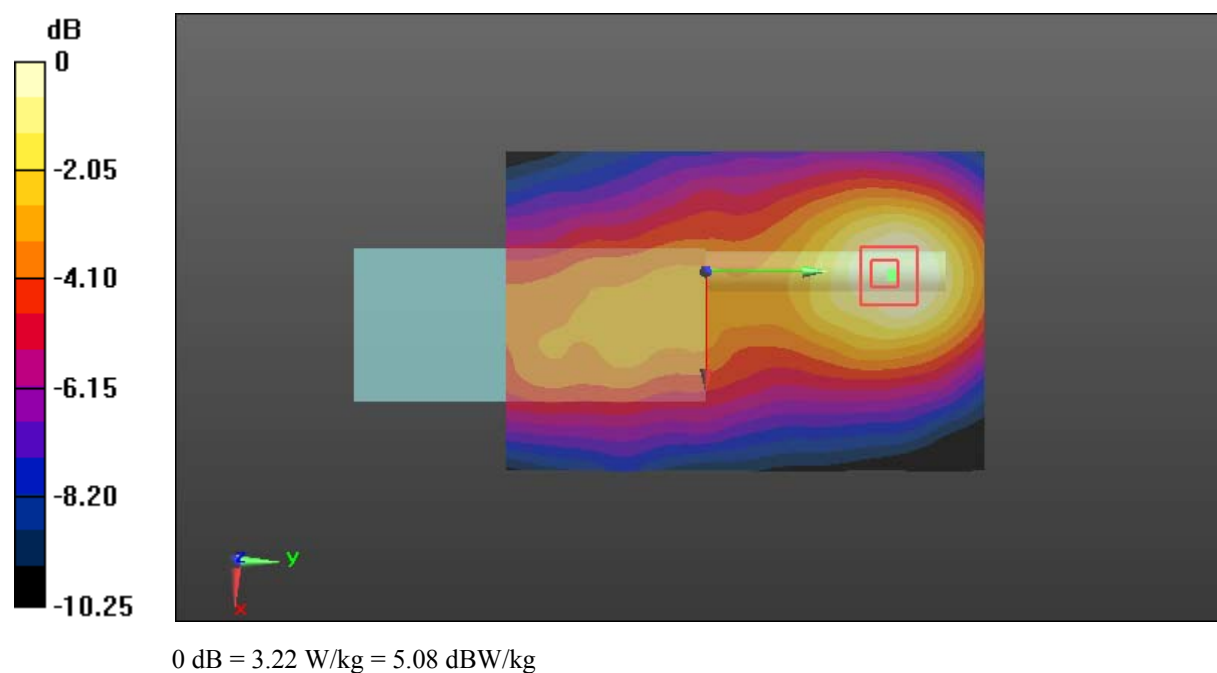
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 44.89 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 6.08 W/kg

SAR(1 g) = 3.1 W/kg; SAR(10 g) = 2.04 W/kg

Maximum value of SAR (measured) = 3.22 W/kg



Test Plot 17#: FM_12.5kHz_153.0125MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.755$ S/m; $\epsilon_r = 53.532$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.67, 7.67, 7.67) @ 153.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.62 W/kg

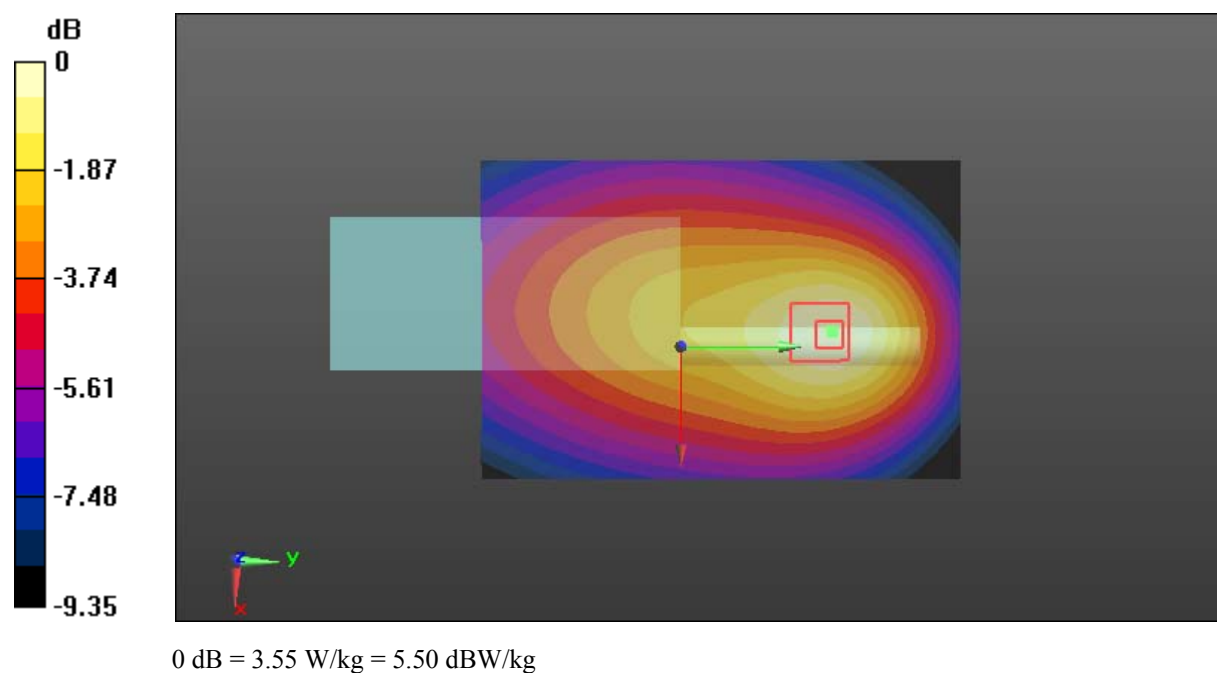
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 54.58 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 5.67 W/kg

SAR(1 g) = 3.41 W/kg; SAR(10 g) = 2.39 W/kg

Maximum value of SAR (measured) = 3.55 W/kg



Test Plot 18#: FM_25kHz_153.0125MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.755$ S/m; $\epsilon_r = 53.532$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.67, 7.67, 7.67) @ 153.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.55 W/kg

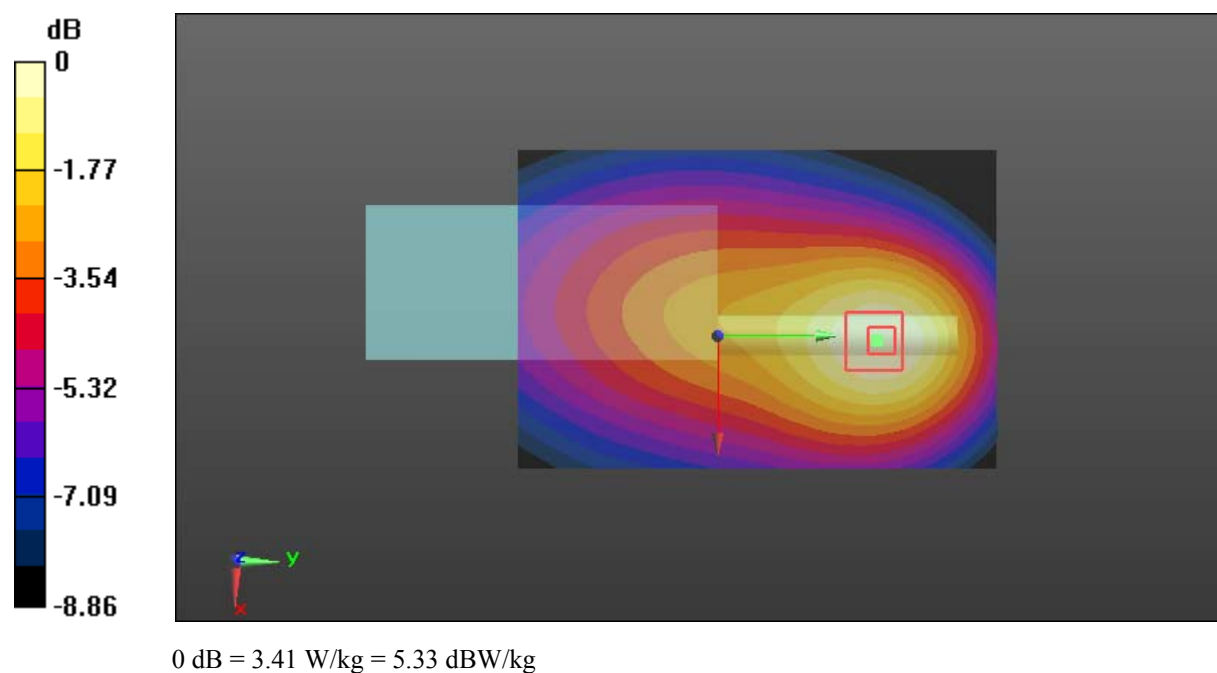
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.52 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 5.23 W/kg

SAR(1 g) = 3.26 W/kg; SAR(10 g) = 2.25 W/kg

Maximum value of SAR (measured) = 3.41 W/kg



Test Plot 19#: 4FSK_153.0125MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.755$ S/m; $\epsilon_r = 53.532$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.67, 7.67, 7.67) @ 153.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.96 W/kg

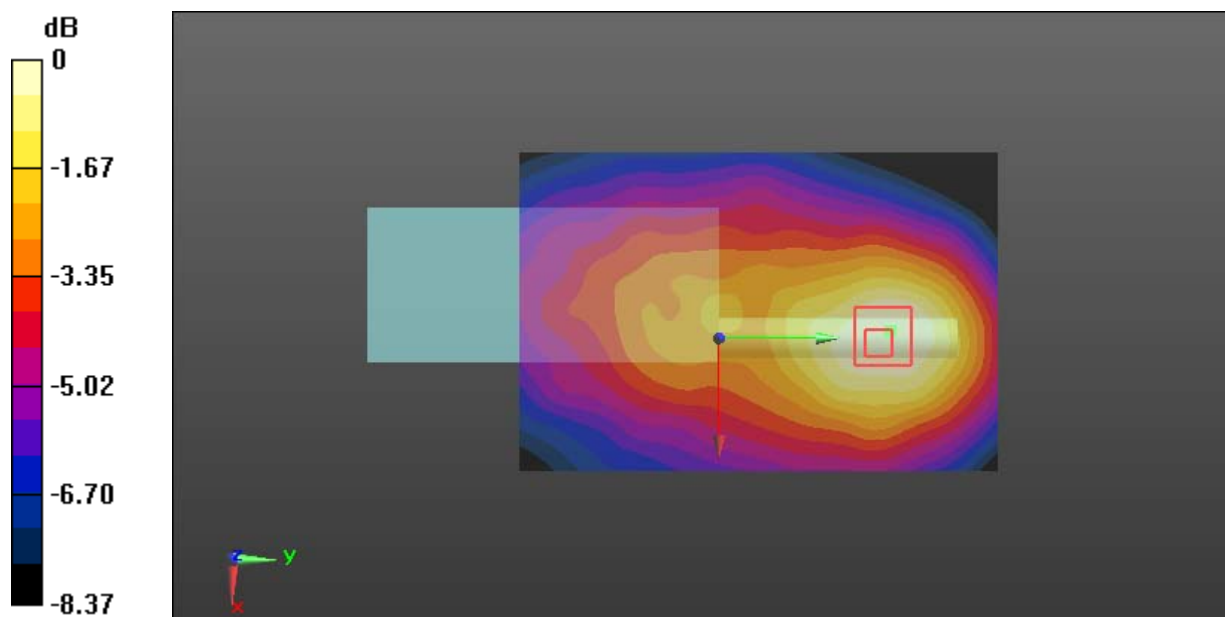
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 41.31 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 3.01 W/kg

SAR(1 g) = 1.76 W/kg; SAR(10 g) = 1.23 W/kg

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



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

Test Plot 20#: FM_12.5kHz_153.0125MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.813$ S/m; $\epsilon_r = 61.669$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.3, 7.3, 7.3) @ 153.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.94 W/kg

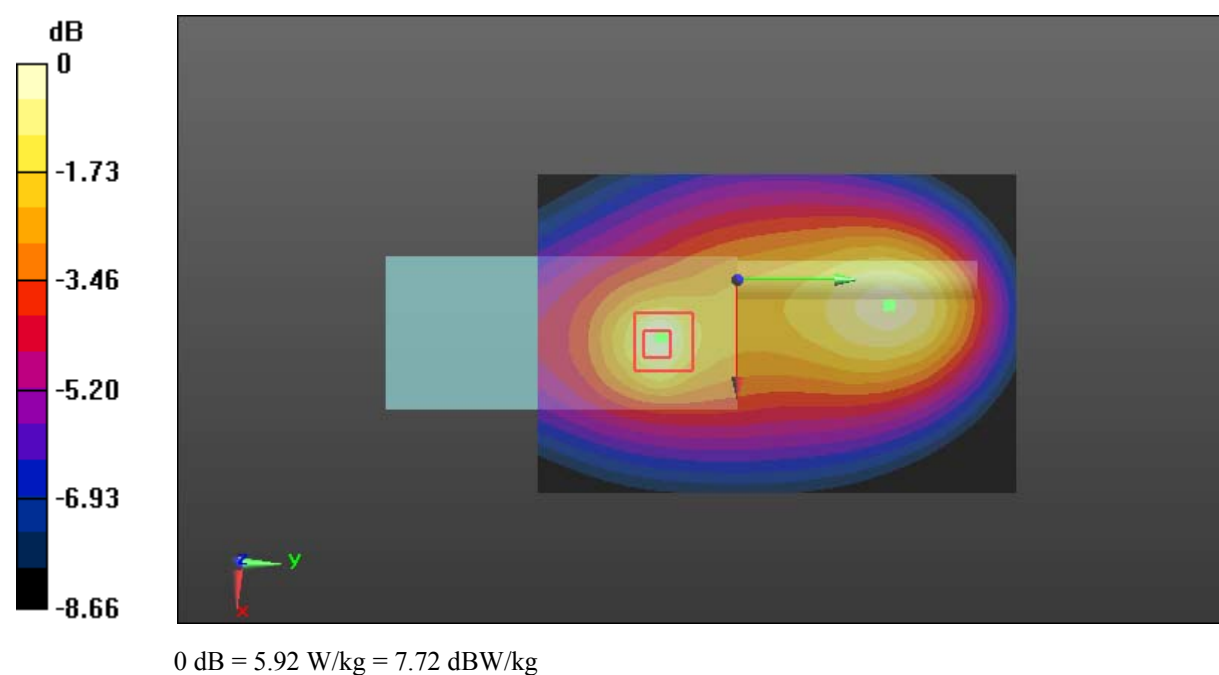
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 70.41 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 12.5 W/kg

SAR(1 g) = 5.65 W/kg; SAR(10 g) = 3.43 W/kg

Maximum value of SAR (measured) = 5.92 W/kg



Test Plot 21#: FM_12.5kHz_158.5125MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

Communication System: FM; Frequency: 158.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 158.512$ MHz; $\sigma = 0.824$ S/m; $\epsilon_r = 61.476$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.3, 7.3, 7.3) @ 158.512 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

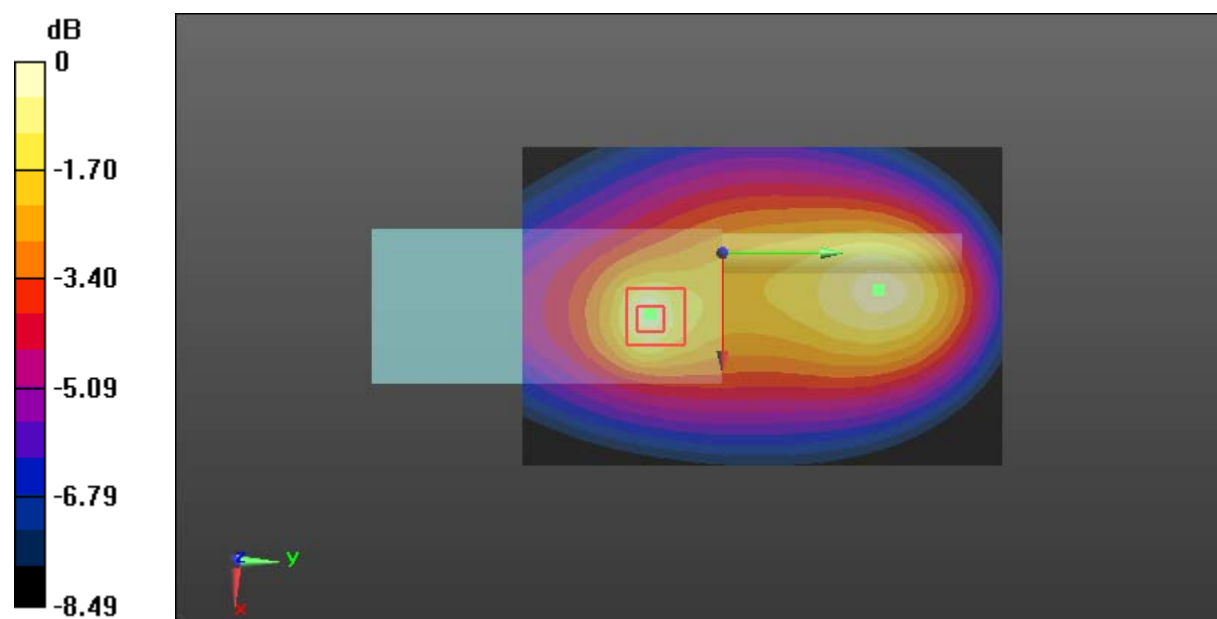
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 38.62 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 4.54 W/kg

SAR(1 g) = 2.15 W/kg; SAR(10 g) = 1.34 W/kg

Maximum value of SAR (measured) = 2.29 W/kg



0 dB = 2.29 W/kg = 3.60 dBW/kg

Test Plot 22#: FM_12.5kHz_163.9875MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

Communication System: FM; Frequency: 163.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 163.988$ MHz; $\sigma = 0.833$ S/m; $\epsilon_r = 61.271$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.3, 7.3, 7.3) @ 163.988 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.71 W/kg

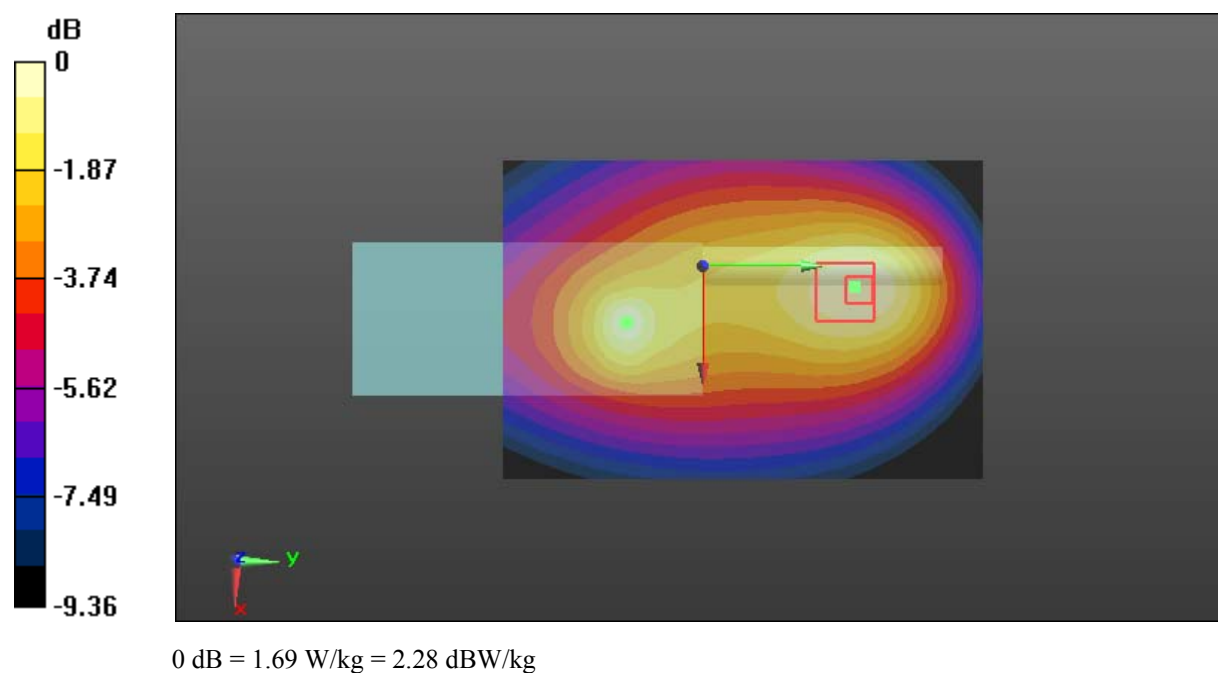
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.95 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.75 W/kg

SAR(1 g) = 1.62 W/kg; SAR(10 g) = 1.12 W/kg

Maximum value of SAR (measured) = 1.69 W/kg



Test Plot 23#: FM_25kHz_153.0125MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.813$ S/m; $\epsilon_r = 61.669$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.3, 7.3, 7.3) @ 153.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.03 W/kg

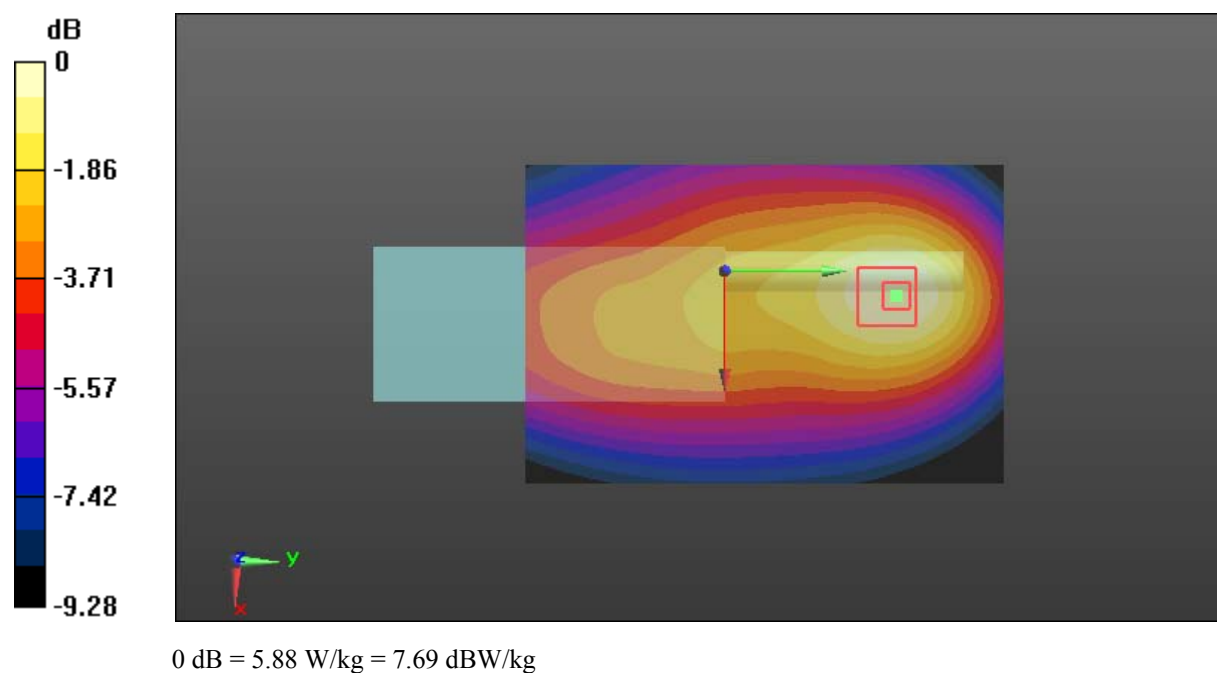
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 66.50 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 9.42 W/kg

SAR(1 g) = 5.61 W/kg; SAR(10 g) = 3.85 W/kg

Maximum value of SAR (measured) = 5.88 W/kg



Test Plot 24#: 4FSK_153.0125MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.813$ S/m; $\epsilon_r = 61.669$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.3, 7.3, 7.3) @ 153.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.15 W/kg

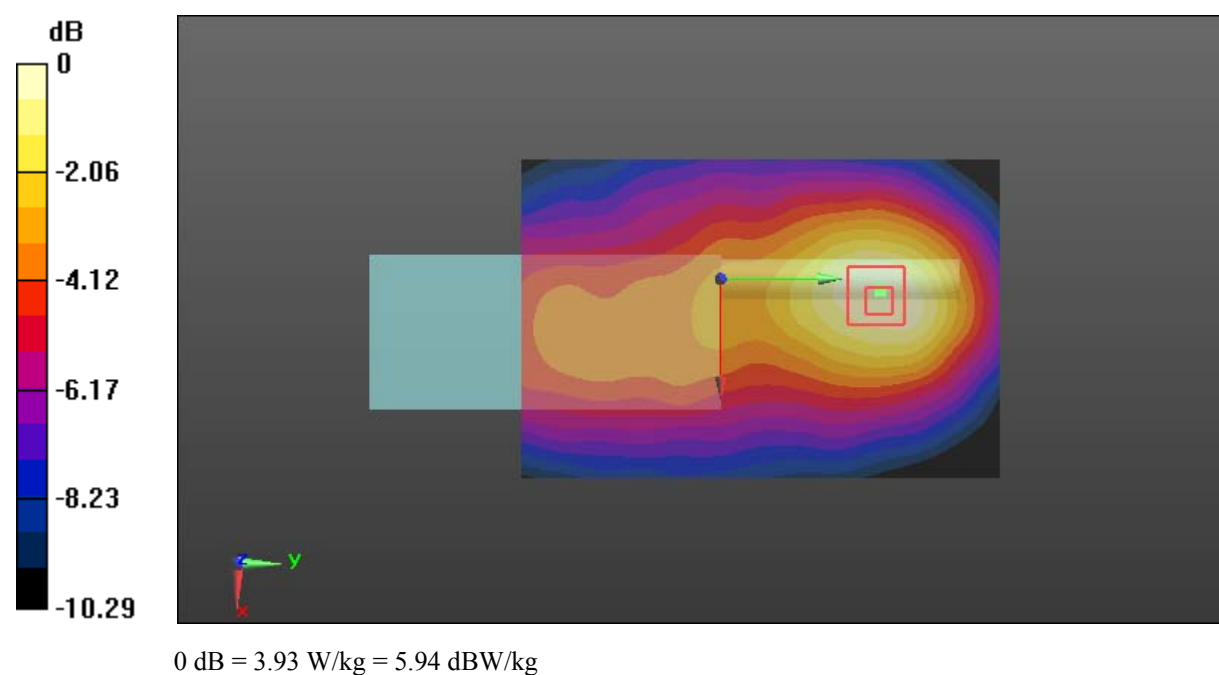
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 48.98 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 6.95 W/kg

SAR(1 g) = 3.69 W/kg; SAR(10 g) = 2.41 W/kg

Maximum value of SAR (measured) = 3.93 W/kg



Test Plot 25#: FM_12.5kHz_163.0125MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

Communication System: FM; Frequency: 163.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 163.012$ MHz; $\sigma = 0.774$ S/m; $\epsilon_r = 52.485$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.67, 7.67, 7.67) @ 163.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.31 W/kg

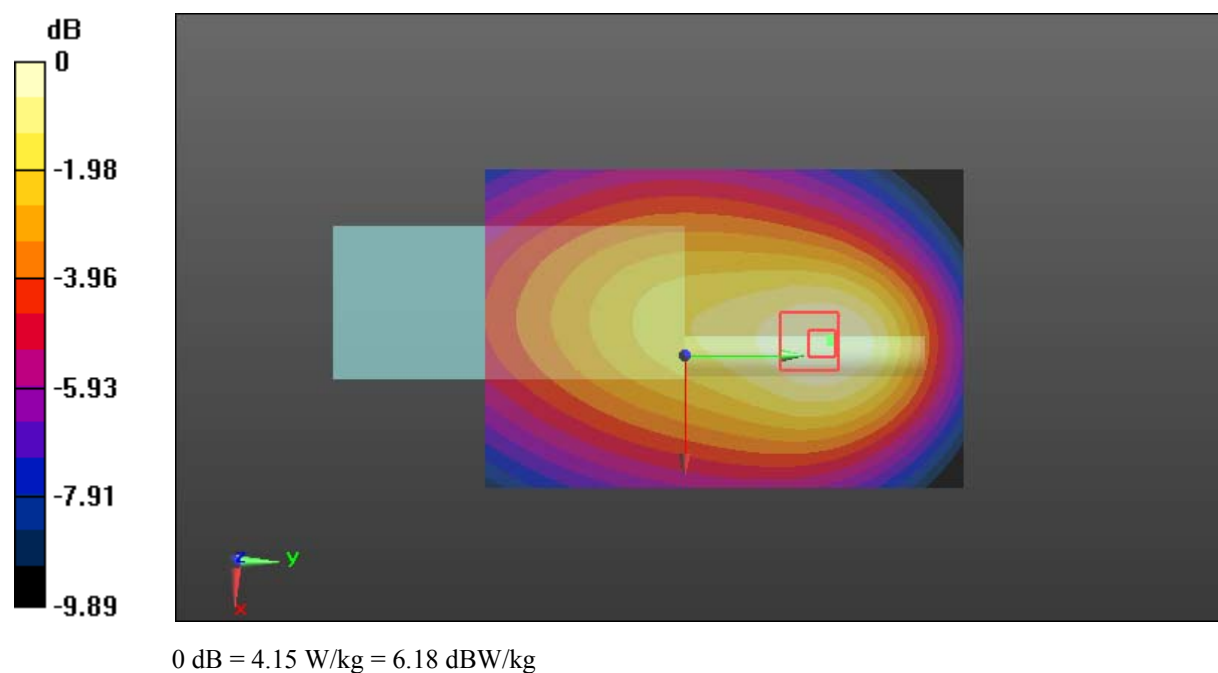
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 60.70 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 6.42 W/kg

SAR(1 g) = 4 W/kg; SAR(10 g) = 2.87 W/kg

Maximum value of SAR (measured) = 4.15 W/kg



Test Plot 26#: FM_25kHz_163.0125MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

Communication System: FM; Frequency: 163.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 163.012$ MHz; $\sigma = 0.774$ S/m; $\epsilon_r = 52.485$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.67, 7.67, 7.67) @ 163.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.89 W/kg

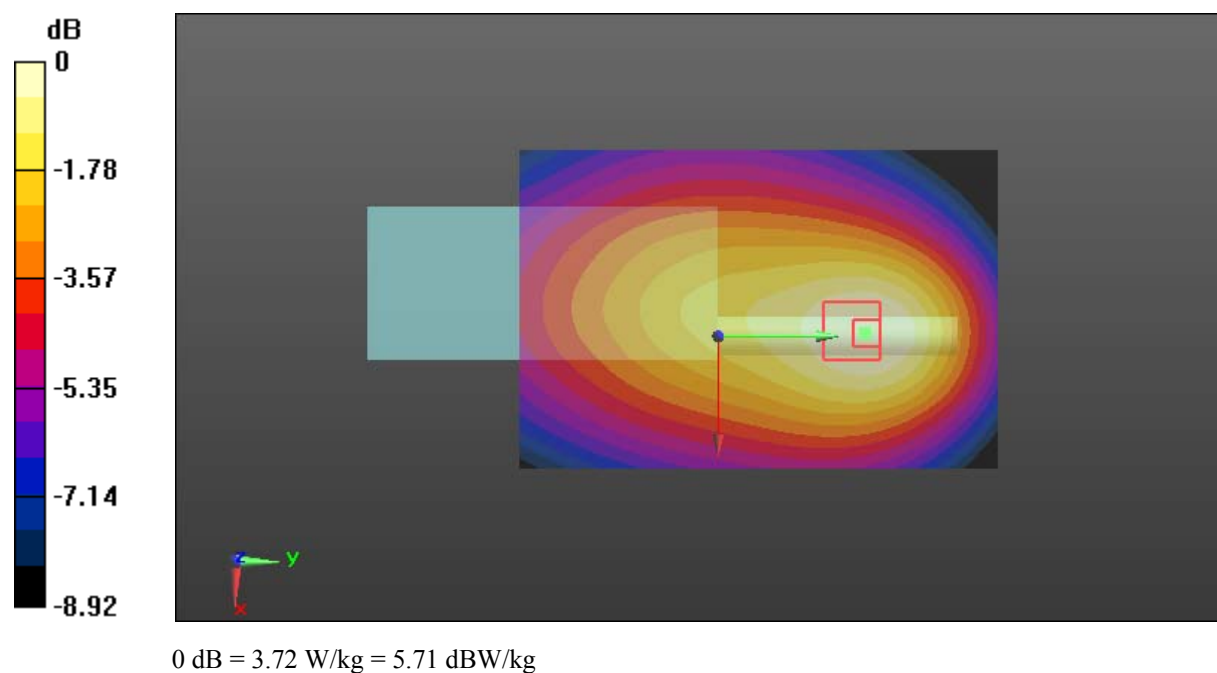
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 54.90 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 5.62 W/kg

SAR(1 g) = 3.57 W/kg; SAR(10 g) = 2.6 W/kg

Maximum value of SAR (measured) = 3.72 W/kg



Test Plot 27#: 4FSK_163.0125MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

Communication System: 4FSK; Frequency: 163.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 163.012$ MHz; $\sigma = 0.774$ S/m; $\epsilon_r = 52.485$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.67, 7.67, 7.67) @ 163.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

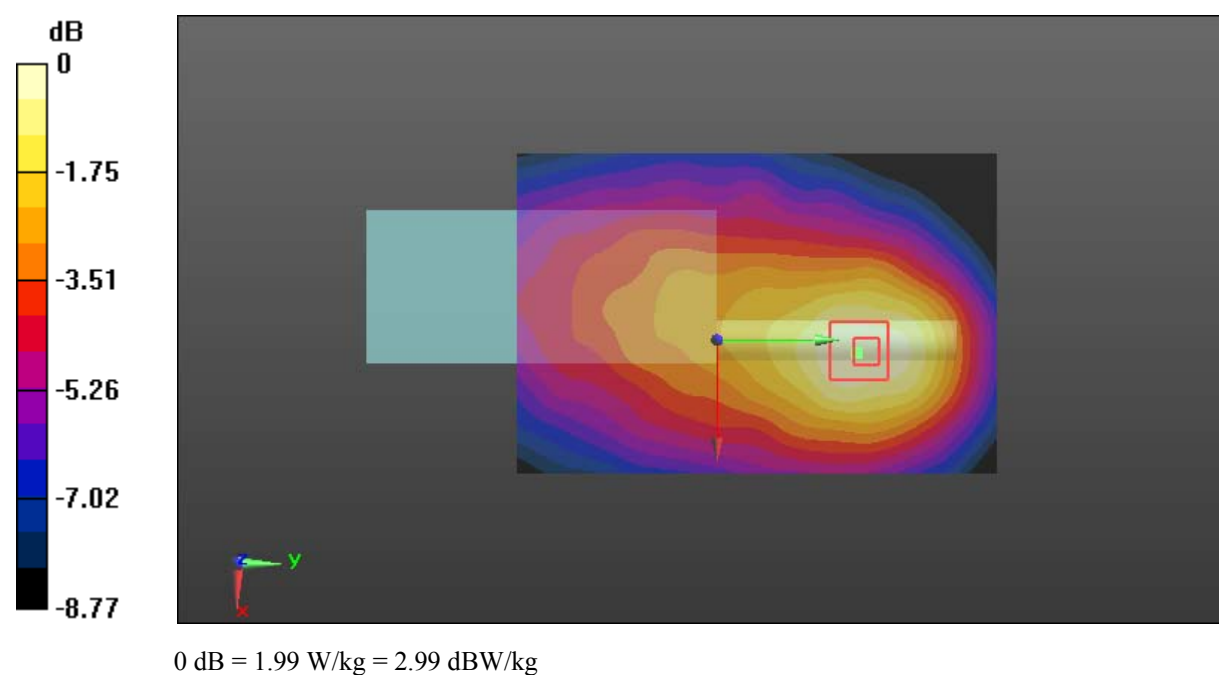
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 40.72 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 3.26 W/kg

SAR(1 g) = 1.9 W/kg; SAR(10 g) = 1.31 W/kg

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



Test Plot 28#: FM_12.5kHz_163.0125MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

Communication System: FM; Frequency: 163.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 163.012$ MHz; $\sigma = 0.831$ S/m; $\epsilon_r = 61.307$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.3, 7.3, 7.3) @ 163.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.40 W/kg

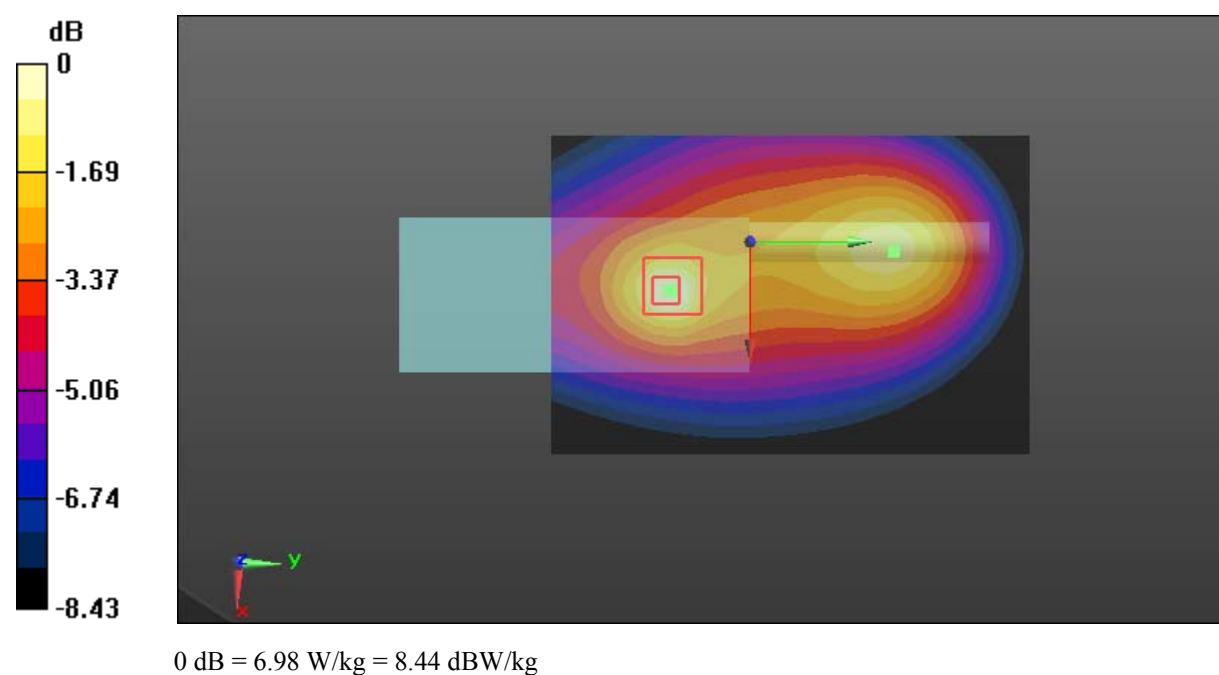
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 75.36 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 14.2 W/kg

SAR(1 g) = 6.47 W/kg; SAR(10 g) = 3.95 W/kg

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



Test Plot 29#: FM_12.5kHz_168.5125MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

Communication System: FM; Frequency: 168.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 168.512$ MHz; $\sigma = 0.845$ S/m; $\epsilon_r = 61.107$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.3, 7.3, 7.3) @ 168.512 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.03 W/kg

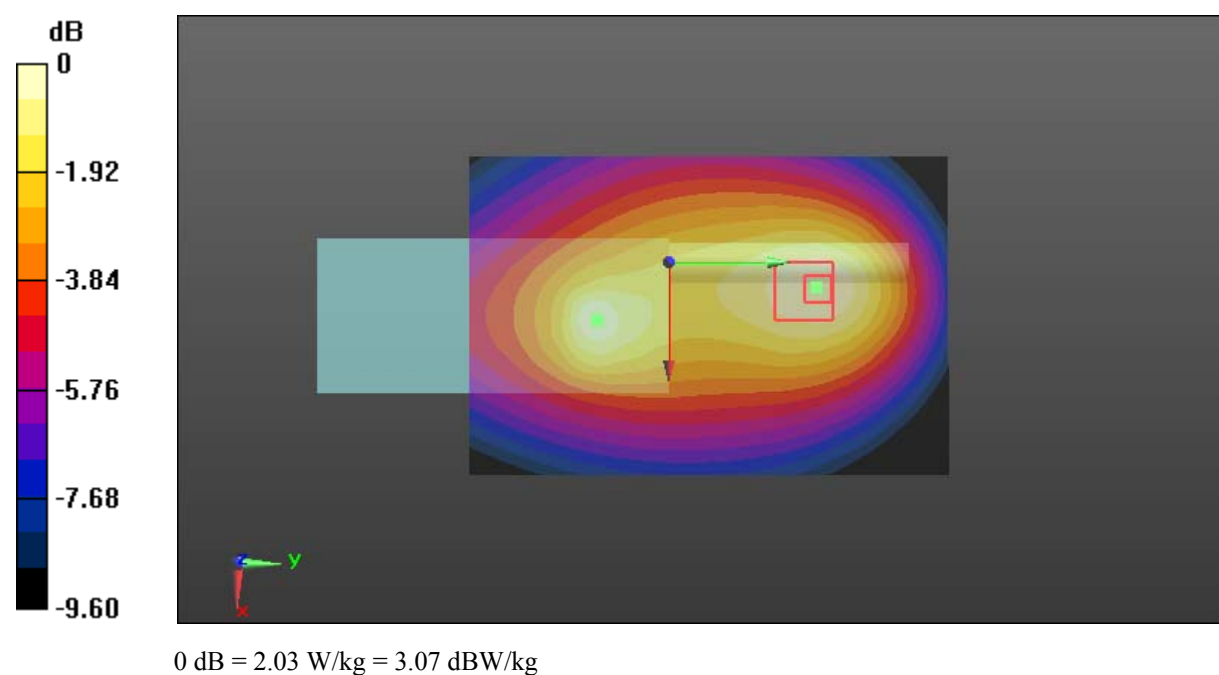
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.35 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 3.26 W/kg

SAR(1 g) = 1.94 W/kg; SAR(10 g) = 1.35 W/kg

Maximum value of SAR (measured) = 2.03 W/kg



Test Plot 30#: FM_12.5kHz_173.9875MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

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

Medium parameters used: $f = 173.988$ MHz; $\sigma = 0.852$ S/m; $\epsilon_r = 60.909$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.3, 7.3, 7.3) @ 173.988 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

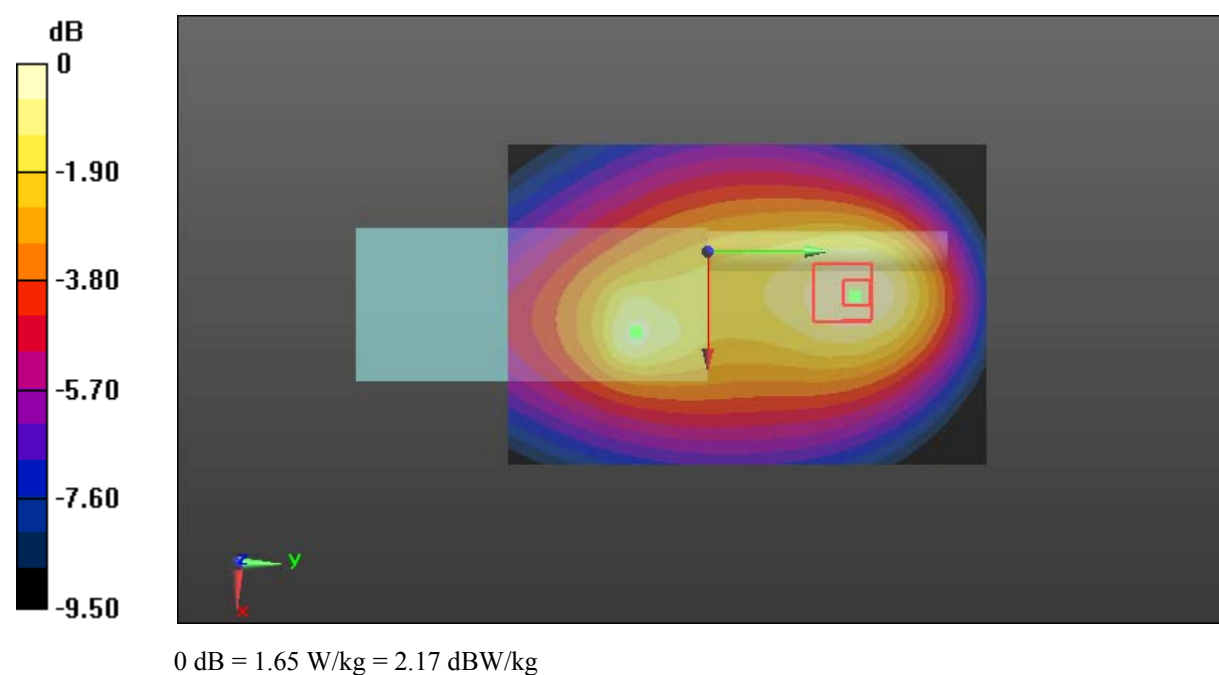
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.32 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.64 W/kg

SAR(1 g) = 1.58 W/kg; SAR(10 g) = 1.11 W/kg

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



Test Plot 31#: FM_25kHz_163.0125MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

Communication System: FM; Frequency: 163.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 163.012$ MHz; $\sigma = 0.831$ S/m; $\epsilon_r = 61.307$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.3, 7.3, 7.3) @ 163.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.43 W/kg

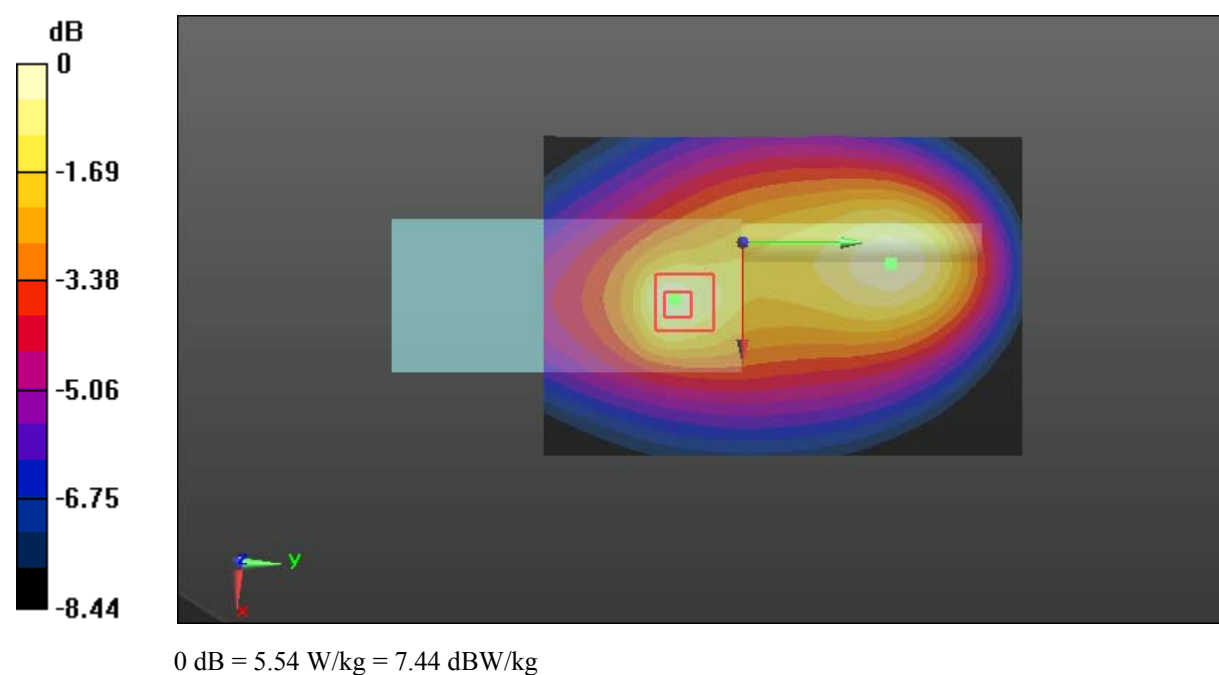
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 70.29 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 10.6 W/kg

SAR(1 g) = 5.23 W/kg; SAR(10 g) = 3.31 W/kg

Maximum value of SAR (measured) = 5.54 W/kg



Test Plot 32#: 4FSK_163.0125MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 VHF; Serial: 19102400620**

Communication System: 4FSK; Frequency: 163.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 163.012$ MHz; $\sigma = 0.831$ S/m; $\epsilon_r = 61.307$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.3, 7.3, 7.3) @ 163.012 MHz; Calibrated: 2018/8/20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn471; Calibrated: 2018/12/3
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (81x121x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 56.58 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 7.30 W/kg

SAR(1 g) = 4.09 W/kg; SAR(10 g) = 2.77 W/kg

Maximum value of SAR (measured) = 4.23 W/kg

