

Test Plot 1#: FM_12.5kHz_450.0125MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

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

Medium parameters used: $f = 450.012$ MHz; $\sigma = 0.873$ S/m; $\epsilon_r = 41.85$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 450.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.28 W/kg

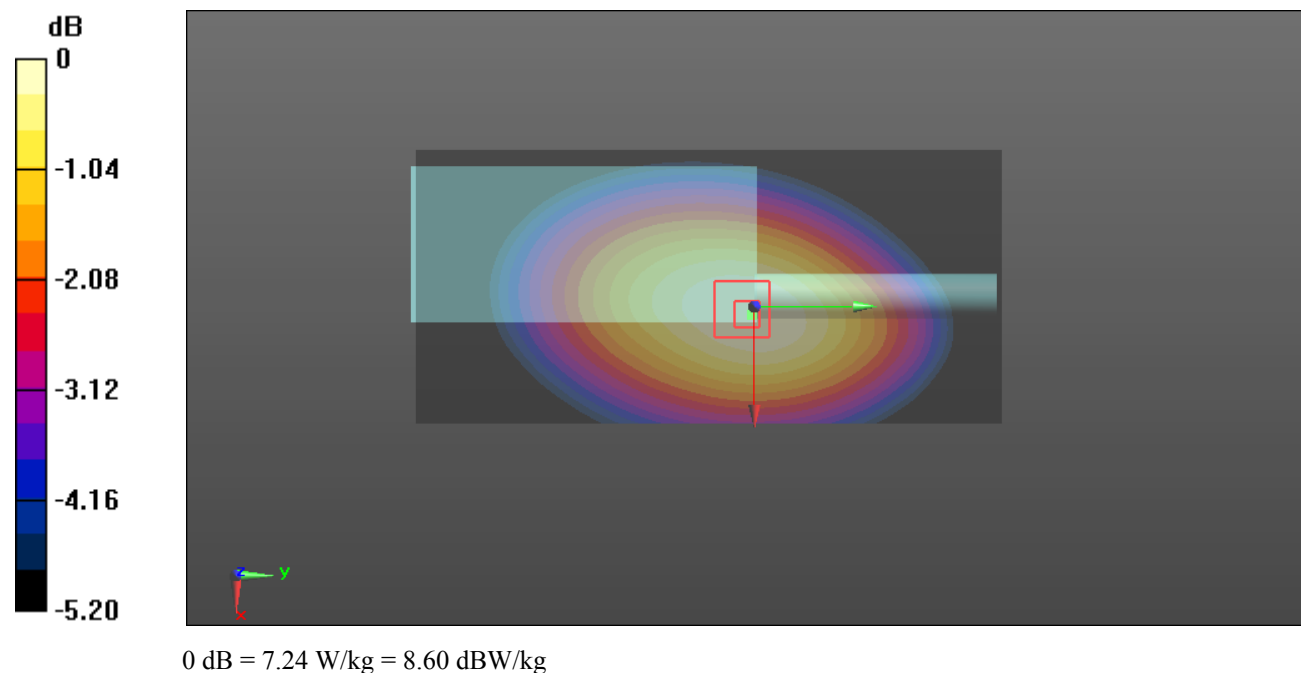
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 94.60 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 8.15 W/kg

SAR(1 g) = 7.01 W/kg; SAR(10 g) = 5.73 W/kg

Maximum value of SAR (measured) = 7.24 W/kg



Test Plot 2#: FM_12.5kHz_467.5125MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

Communication System: FM ; Frequency: 467.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 467.512$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 41.81$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 467.512 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.56 W/kg

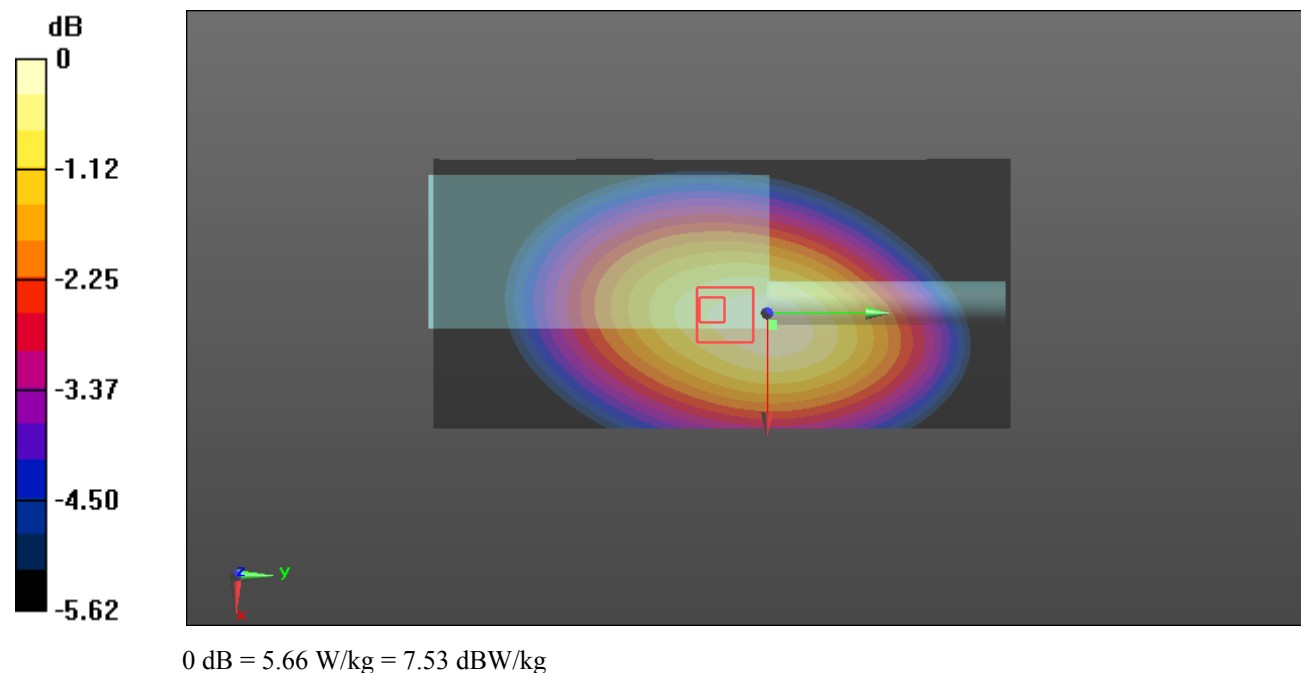
Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.33 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 6.40 W/kg

SAR(1 g) = 5.38 W/kg; SAR(10 g) = 4.36 W/kg

Maximum value of SAR (measured) = 5.66 W/kg



Test Plot 3#: FM_12.5kHz_485.0125MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

Communication System: FM; Frequency: 485.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 485.012$ MHz; $\sigma = 0.874$ S/m; $\epsilon_r = 41.56$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 485.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x161x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

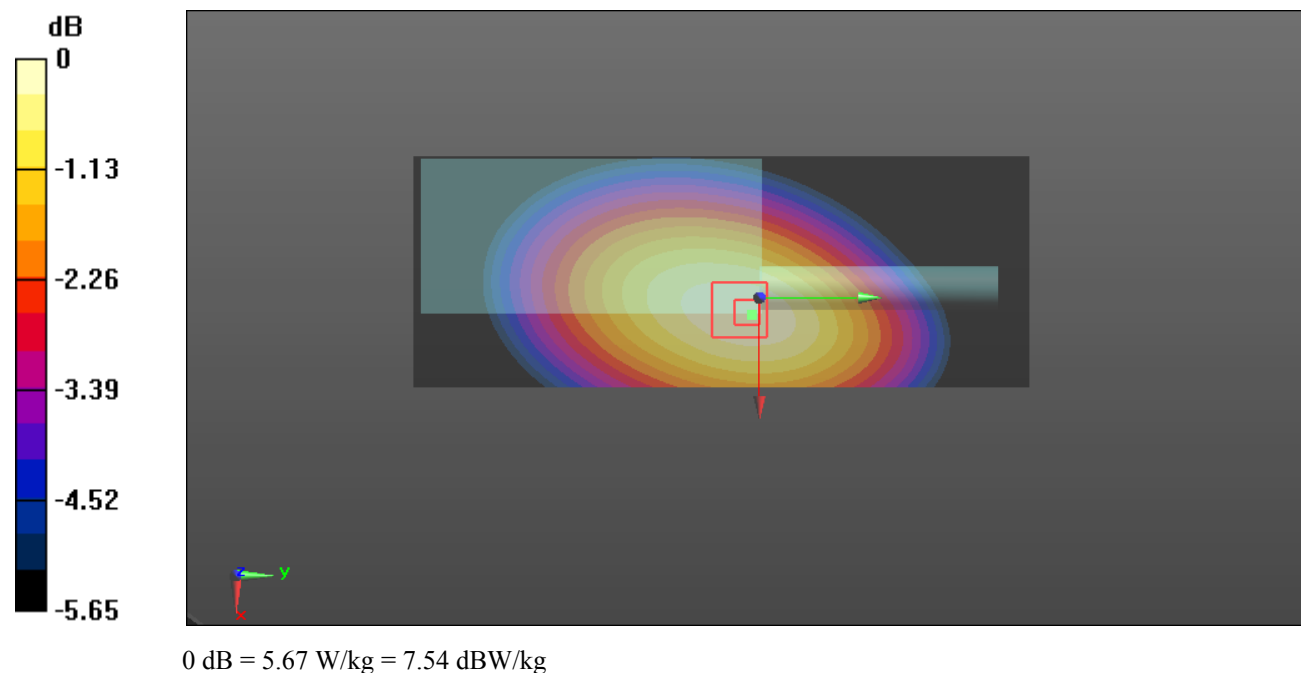
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 80.38 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 6.30 W/kg

SAR(1 g) = 5.43 W/kg; SAR(10 g) = 4.4 W/kg

Maximum value of SAR (measured) = 5.67 W/kg



Test Plot 4#: FM_12.5kHz_502.4875MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

Communication System: FM ; Frequency: 502.488 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 502.488$ MHz; $\sigma = 0.868$ S/m; $\epsilon_r = 41.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 502.488 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

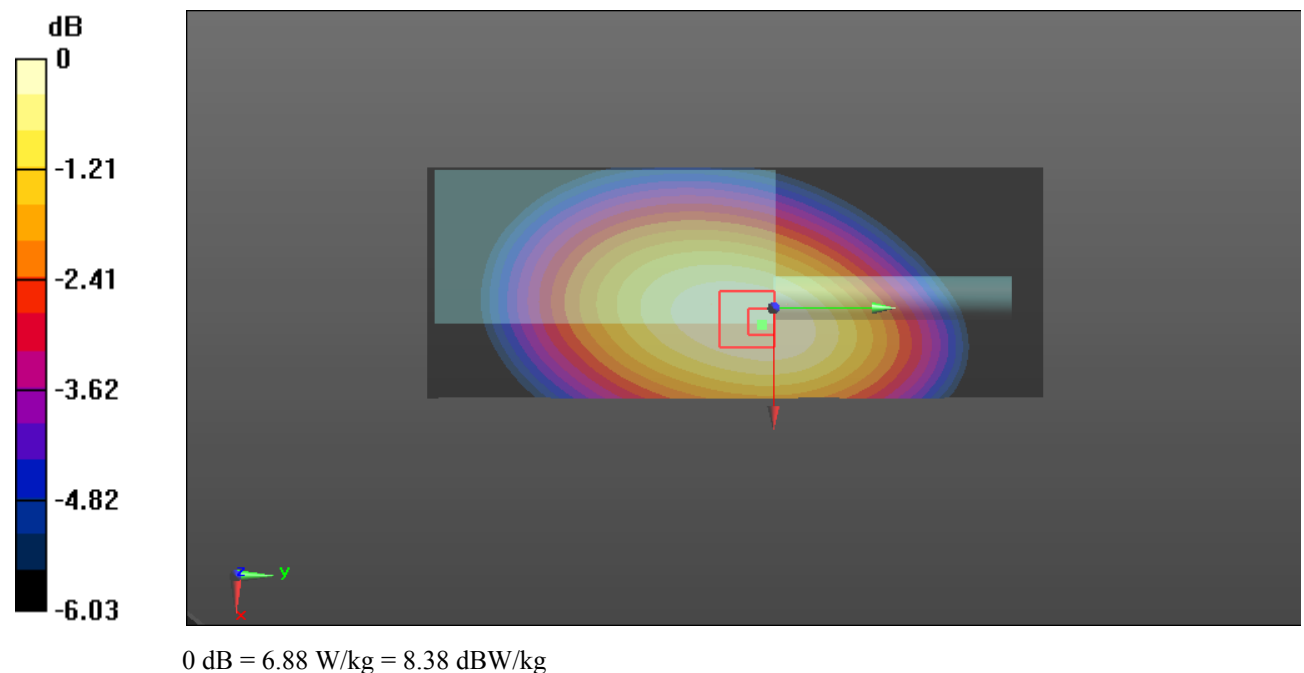
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 88.98 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 7.67 W/kg

SAR(1 g) = 6.57 W/kg; SAR(10 g) = 5.27 W/kg

Maximum value of SAR (measured) = 6.88 W/kg



Test Plot 5#: FM_12.5kHz_519.9875MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

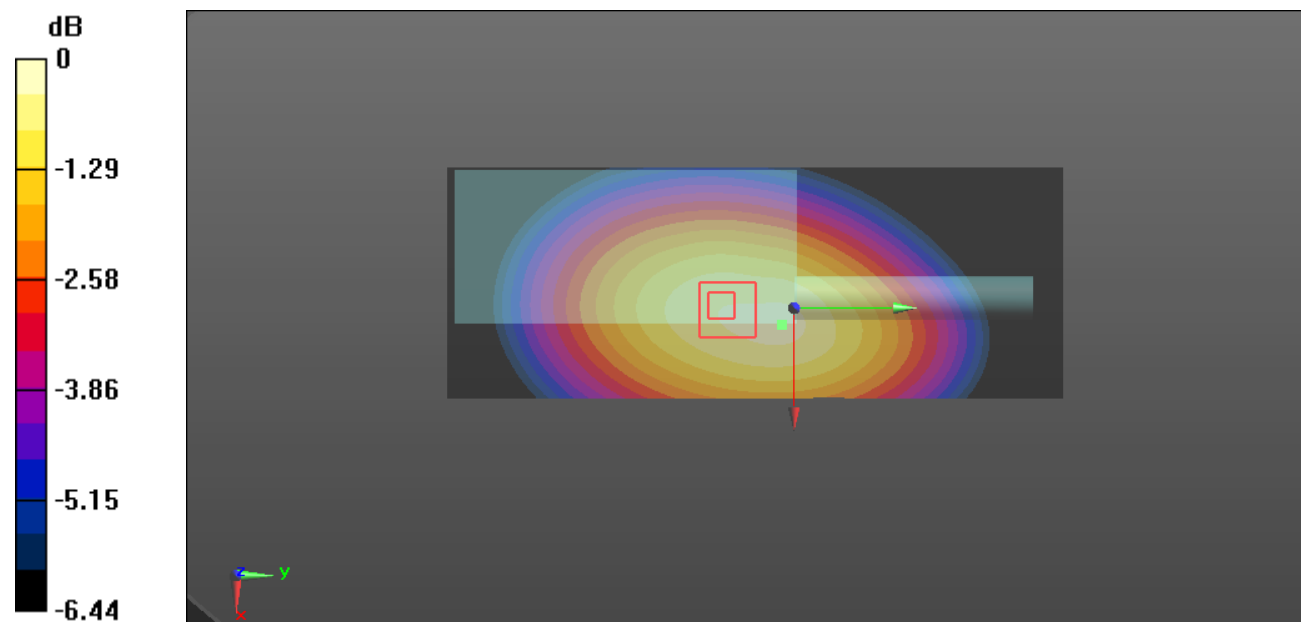
Communication System: FM ; Frequency: 519.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 519.988 \text{ MHz}$; $\sigma = 0.867 \text{ S/m}$; $\epsilon_r = 41.68$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 519.988 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.32 W/kg **Zoom Scan (6x8x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 71.31 V/m ; Power Drift = 0.06 dB Peak SAR (extrapolated) = 5.13 W/kg **SAR(1 g) = 4.33 W/kg ; SAR(10 g) = 3.46 W/kg** Maximum value of SAR (measured) = 4.61 W/kg 0 dB = 4.61 W/kg = 6.64 dBW/kg

Test Plot 6#: FM_25kHz_450.0125MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

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

Medium parameters used: $f = 450.012$ MHz; $\sigma = 0.873$ S/m; $\epsilon_r = 41.85$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 450.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.47 W/kg

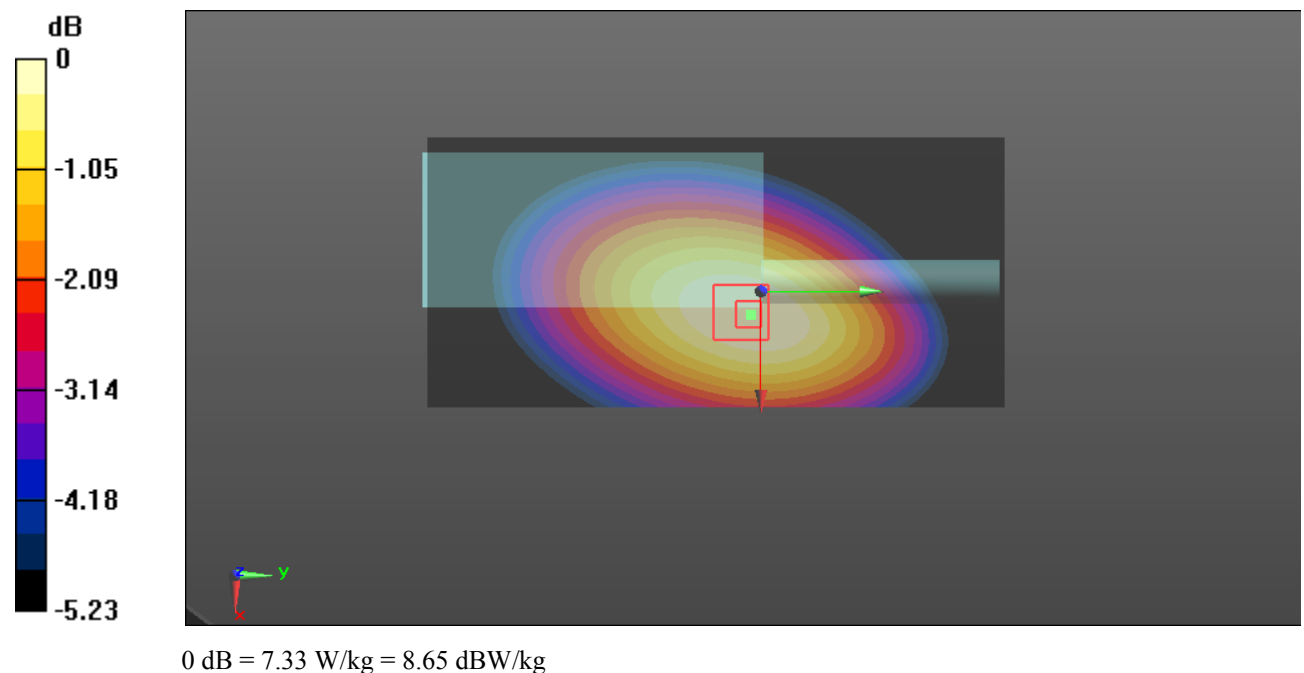
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 92.58 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 8.18 W/kg

SAR(1 g) = 7.05 W/kg; SAR(10 g) = 5.76 W/kg

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



Test Plot 7#: FM_25kHz_467.5125MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

Communication System: FM ; Frequency: 467.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 467.512$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 41.81$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 467.512 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x151x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

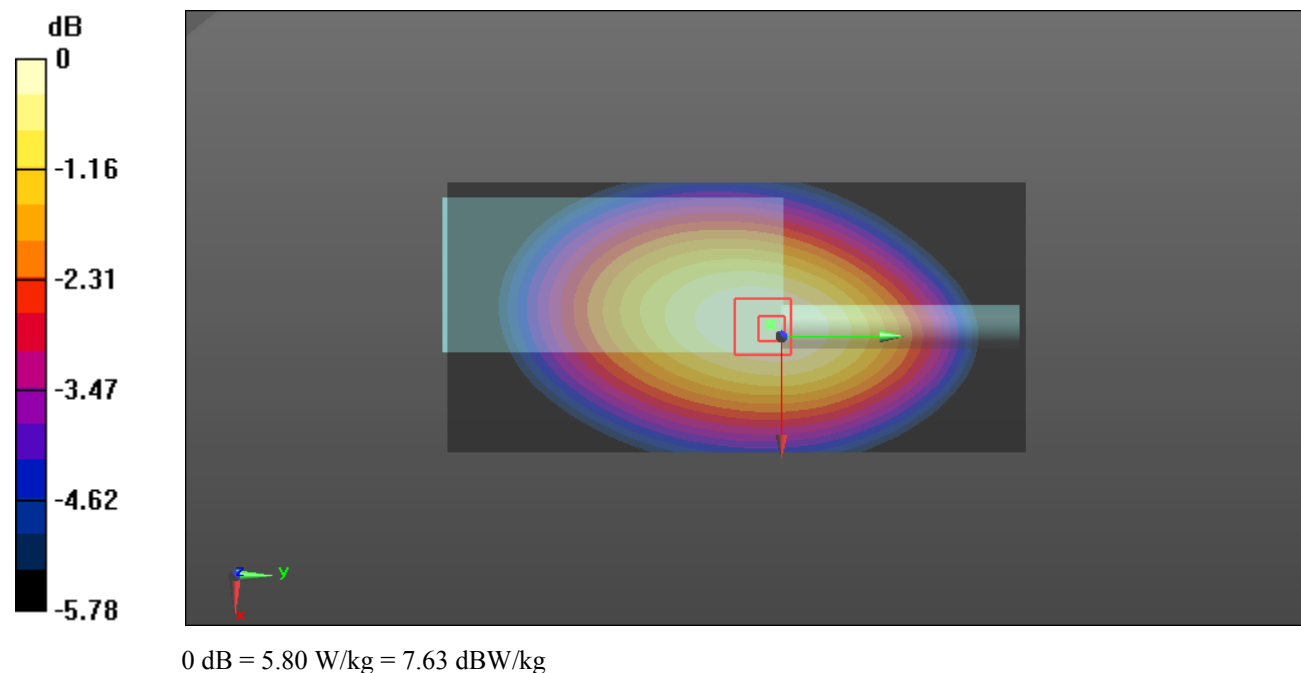
Zoom Scan (6x7x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 84.15 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 6.54 W/kg

SAR(1 g) = 5.55 W/kg; SAR(10 g) = 4.45 W/kg

Maximum value of SAR (measured) = 5.80 W/kg



Test Plot 8#: FM_25kHz_485.0125MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

Communication System: FM ; Frequency: 485.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 485.012$ MHz; $\sigma = 0.874$ S/m; $\epsilon_r = 41.56$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 485.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x161x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 5.55 W/kg

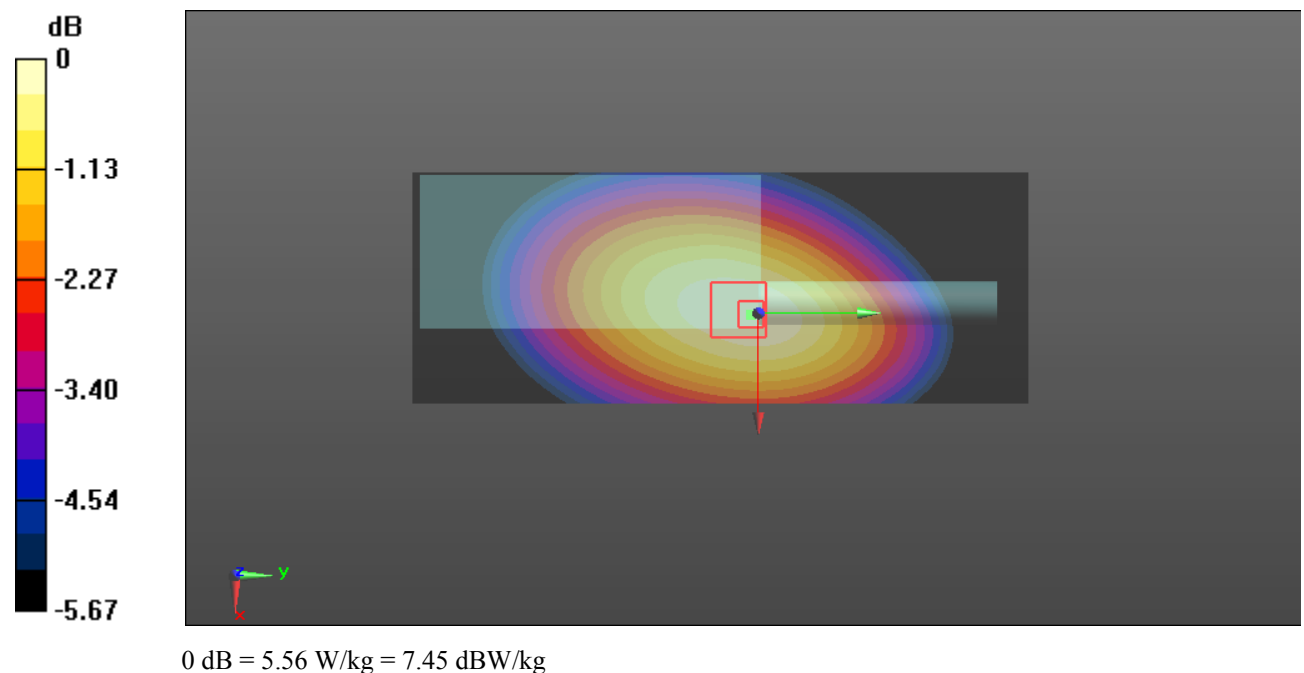
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 82.33 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 6.19 W/kg

SAR(1 g) = 5.31 W/kg; SAR(10 g) = 4.27 W/kg

Maximum value of SAR (measured) = 5.56 W/kg



Test Plot 9#: FM_25kHz_502.4875MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

Communication System: FM ; Frequency: 502.488 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 502.488$ MHz; $\sigma = 0.868$ S/m; $\epsilon_r = 41.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 502.488 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.04 W/kg

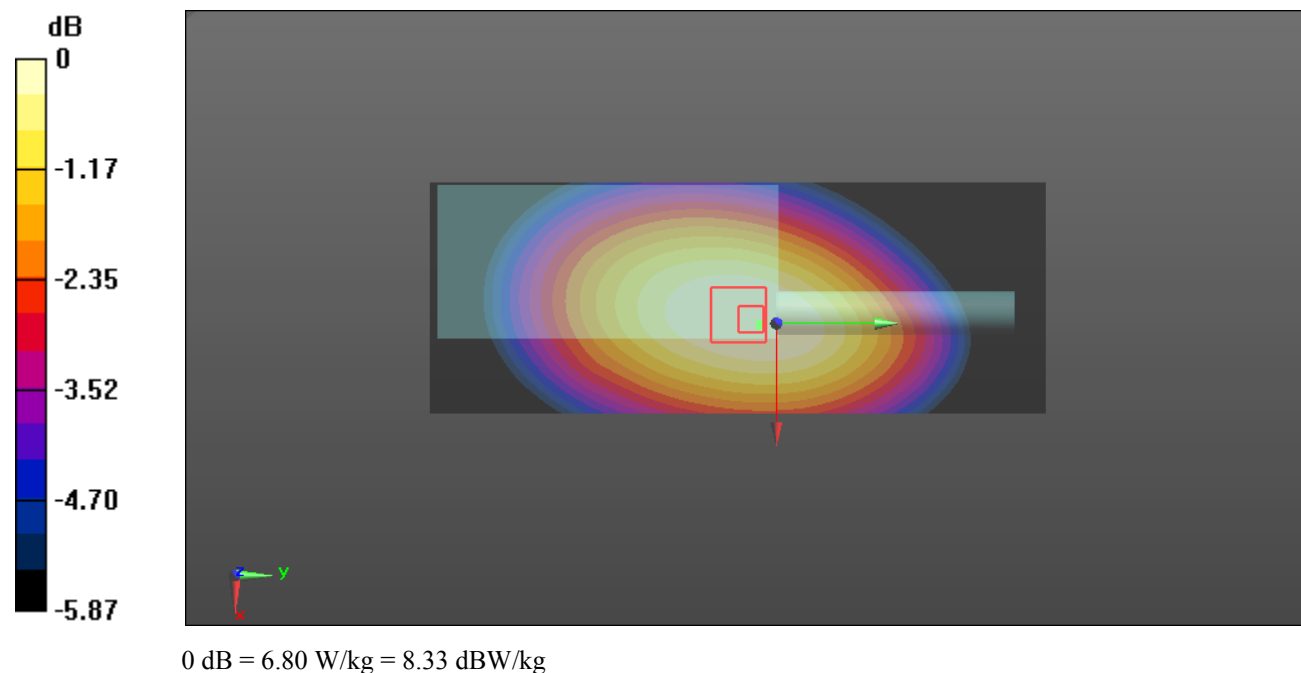
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 90.45 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 7.66 W/kg

SAR(1 g) = 6.55 W/kg; SAR(10 g) = 5.3 W/kg

Maximum value of SAR (measured) = 6.80 W/kg



Test Plot 10#: FM_25kHz_519.9875MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

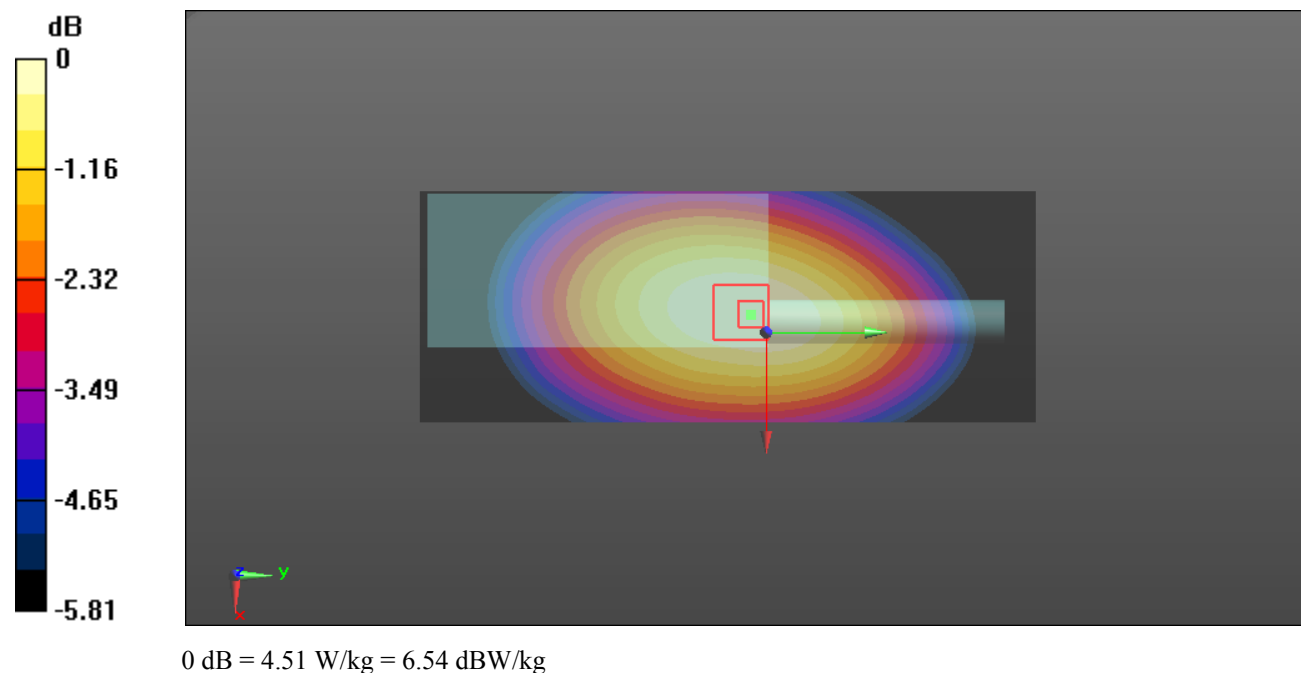
Communication System: FM ; Frequency: 519.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 519.988 \text{ MHz}$; $\sigma = 0.867 \text{ S/m}$; $\epsilon_r = 41.68$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 519.988 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.57 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 72.15 V/m ; Power Drift = -0.01 dB Peak SAR (extrapolated) = 4.98 W/kg **SAR(1 g) = 4.31 W/kg ; SAR(10 g) = 3.47 W/kg** Maximum value of SAR (measured) = 4.51 W/kg 

Test Plot 11#: FM_25kHz_450.0125MHz_Face Up**DUT: Digital Portable Radio; Type: HP702 U2; Serial: RDG200805004-SA-S2**

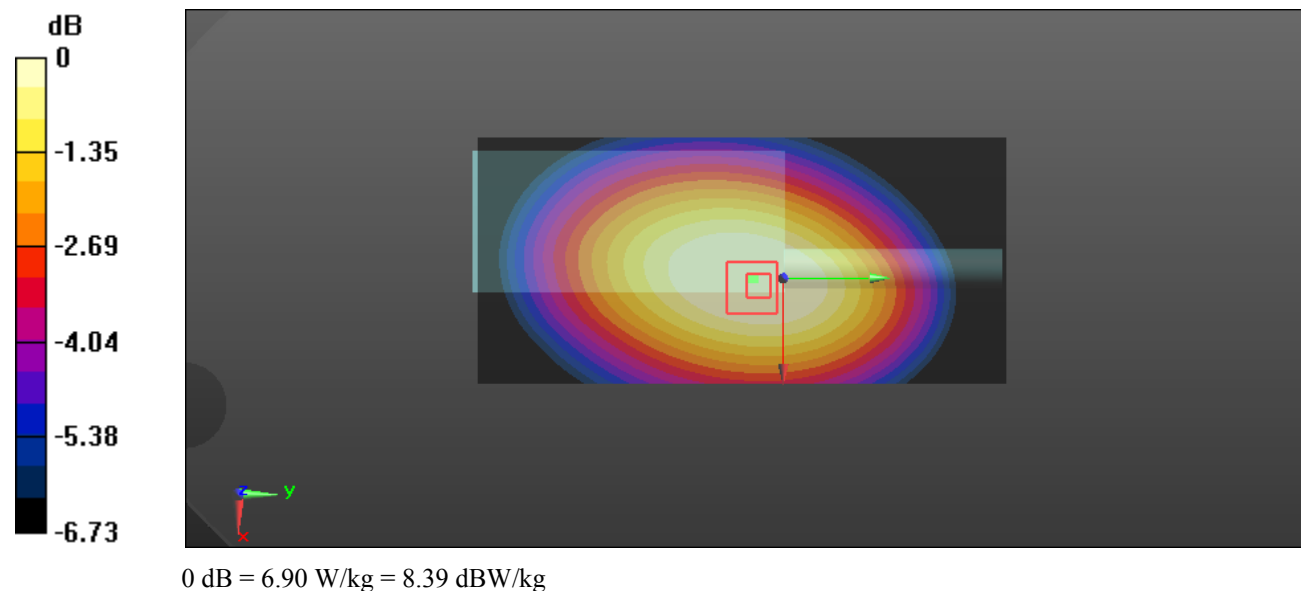
Communication System: FM; Frequency: 450.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 450.012 \text{ MHz}$; $\sigma = 0.873 \text{ S/m}$; $\epsilon_r = 41.85$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 450.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.45 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 92.45 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 8.31 W/kg **SAR(1 g) = 6.67 W/kg ; SAR(10 g) = 5.22 W/kg** Maximum value of SAR (measured) = 6.90 W/kg 

Test Plot 12#: 4FSK_450.012MHz_Face Up**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

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

Medium parameters used: $f = 450.012$ MHz; $\sigma = 0.873$ S/m; $\epsilon_r = 41.85$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 450.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.44 W/kg

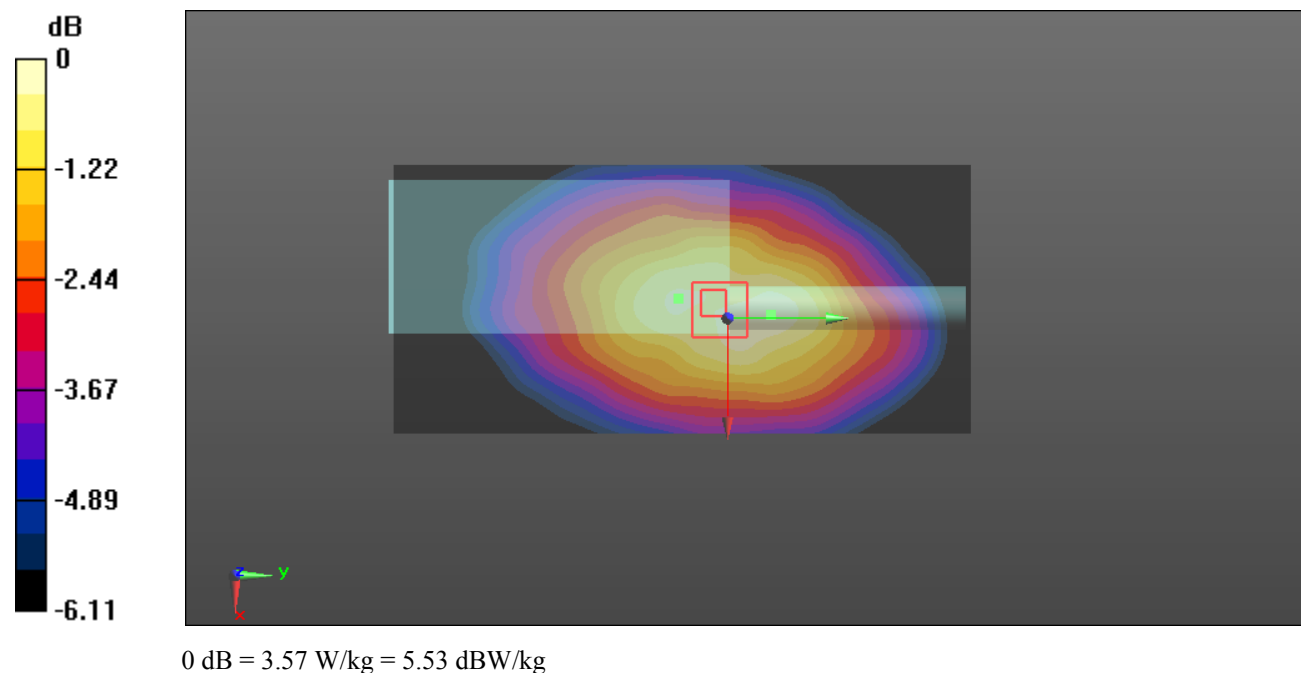
Zoom Scan (5x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 65.29 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 4.63 W/kg

SAR(1 g) = 3.36 W/kg; SAR(10 g) = 2.7 W/kg

Maximum value of SAR (measured) = 3.57 W/kg



Test Plot 13#: FM_12.5kHz_450.0125MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

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

Medium parameters used: $f = 450.012$ MHz; $\sigma = 0.873$ S/m; $\epsilon_r = 41.85$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 450.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.66 W/kg

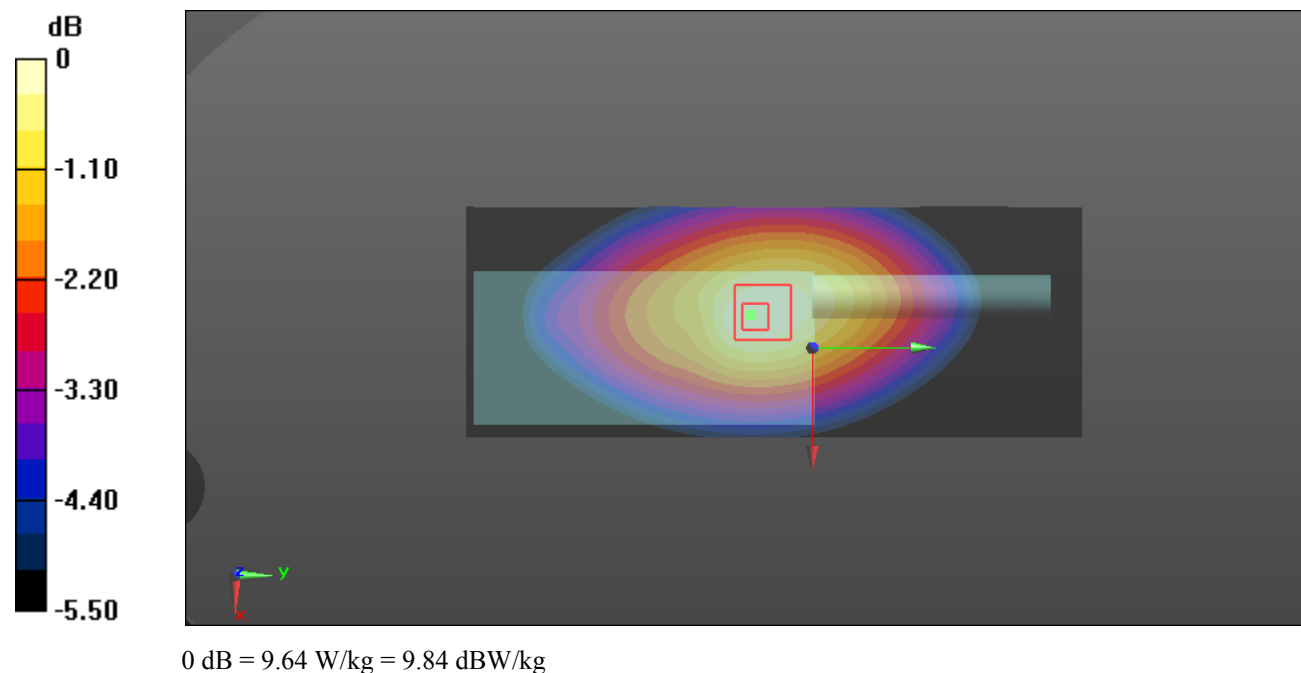
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 95.42 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 11.5 W/kg

SAR(1 g) = 9.15 W/kg; SAR(10 g) = 7.13 W/kg

Maximum value of SAR (measured) = 9.64 W/kg



Test Plot 14#: FM_12.5kHz_467.5125MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

Communication System: FM ; Frequency: 467.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 467.512$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 41.81$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 467.512 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

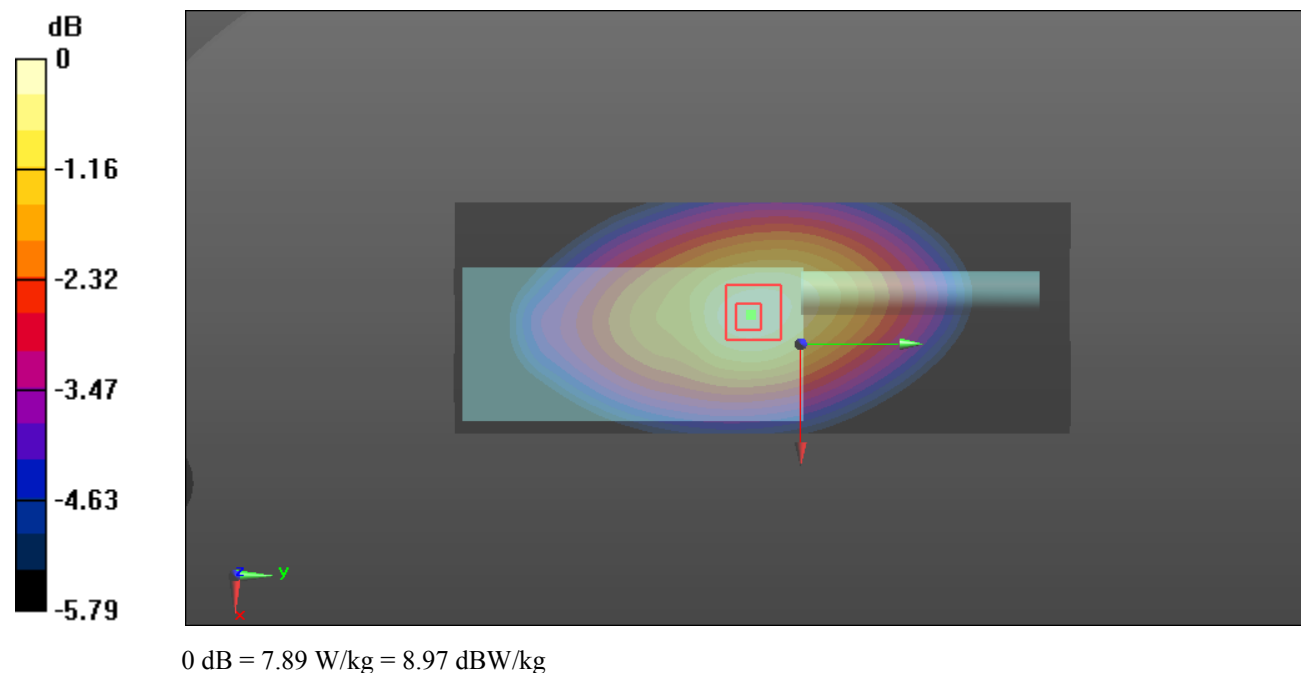
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.63 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 9.42 W/kg

SAR(1 g) = 7.47 W/kg; SAR(10 g) = 5.78 W/kg

Maximum value of SAR (measured) = 7.89 W/kg



Test Plot 15#: FM_12.5kHz_485.0125MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

Communication System: FM ; Frequency: 485.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 485.012$ MHz; $\sigma = 0.874$ S/m; $\epsilon_r = 41.56$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 485.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.52 W/kg

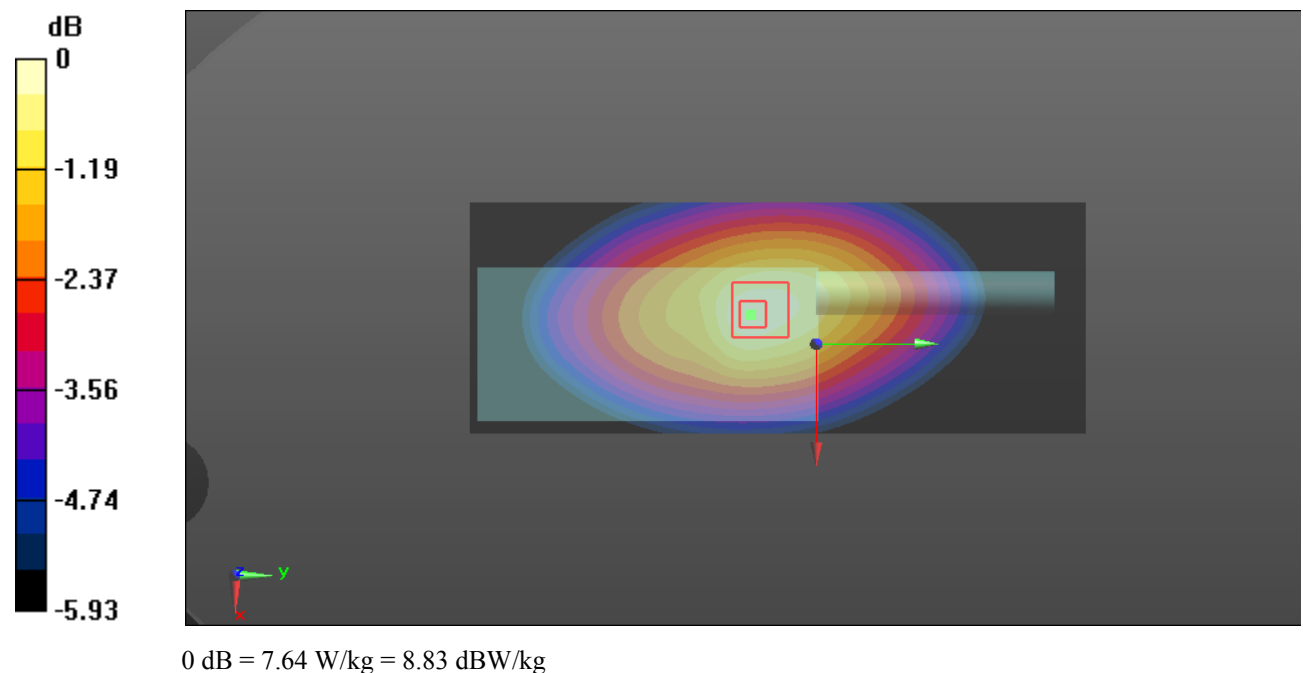
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 83.74 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 9.11 W/kg

SAR(1 g) = 7.2 W/kg; SAR(10 g) = 5.57 W/kg

Maximum value of SAR (measured) = 7.64 W/kg



Test Plot 16#: FM_12.5kHz_502.4875MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

Communication System: FM ; Frequency: 502.488 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 502.488$ MHz; $\sigma = 0.868$ S/m; $\epsilon_r = 41.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 502.488 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x161x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 9.14 W/kg

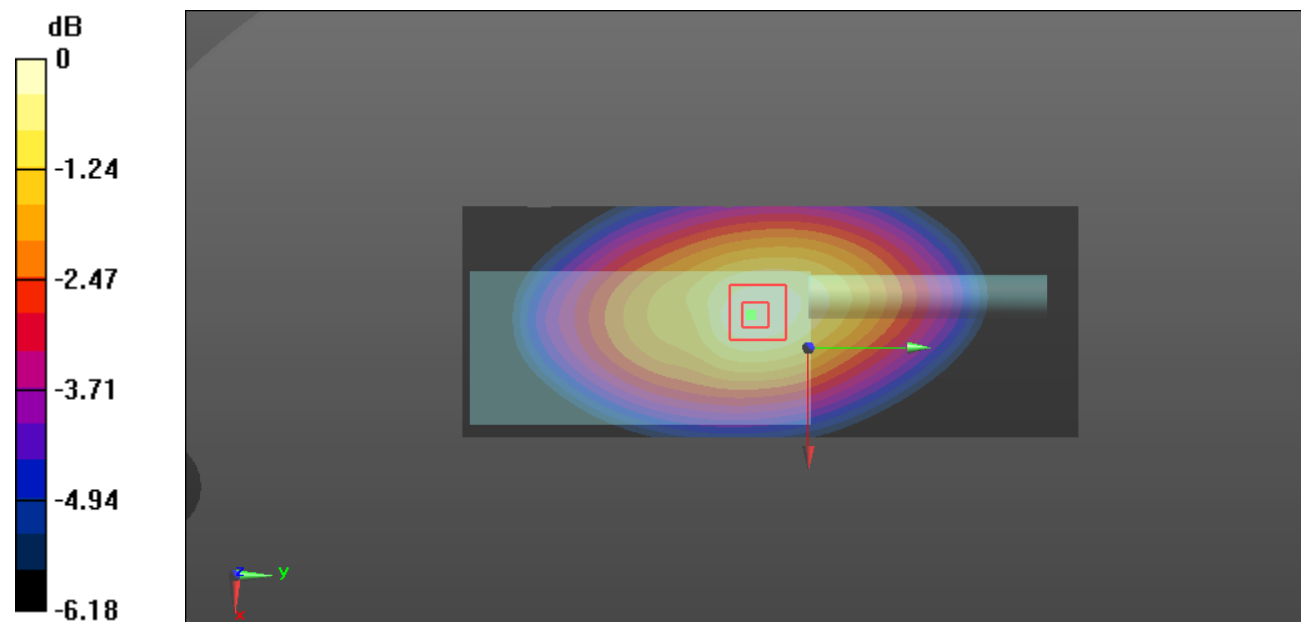
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 91.86 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 11.1 W/kg

SAR(1 g) = 8.73 W/kg; SAR(10 g) = 6.7 W/kg

Maximum value of SAR (measured) = 9.28 W/kg



0 dB = 9.28 W/kg = 9.68 dBW/kg

Test Plot 17#: FM_12.5kHz_519.9875MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

Communication System: FM ; Frequency: 519.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 519.988$ MHz; $\sigma = 0.867$ S/m; $\epsilon_r = 41.68$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 519.988 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x161x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 6.30 W/kg

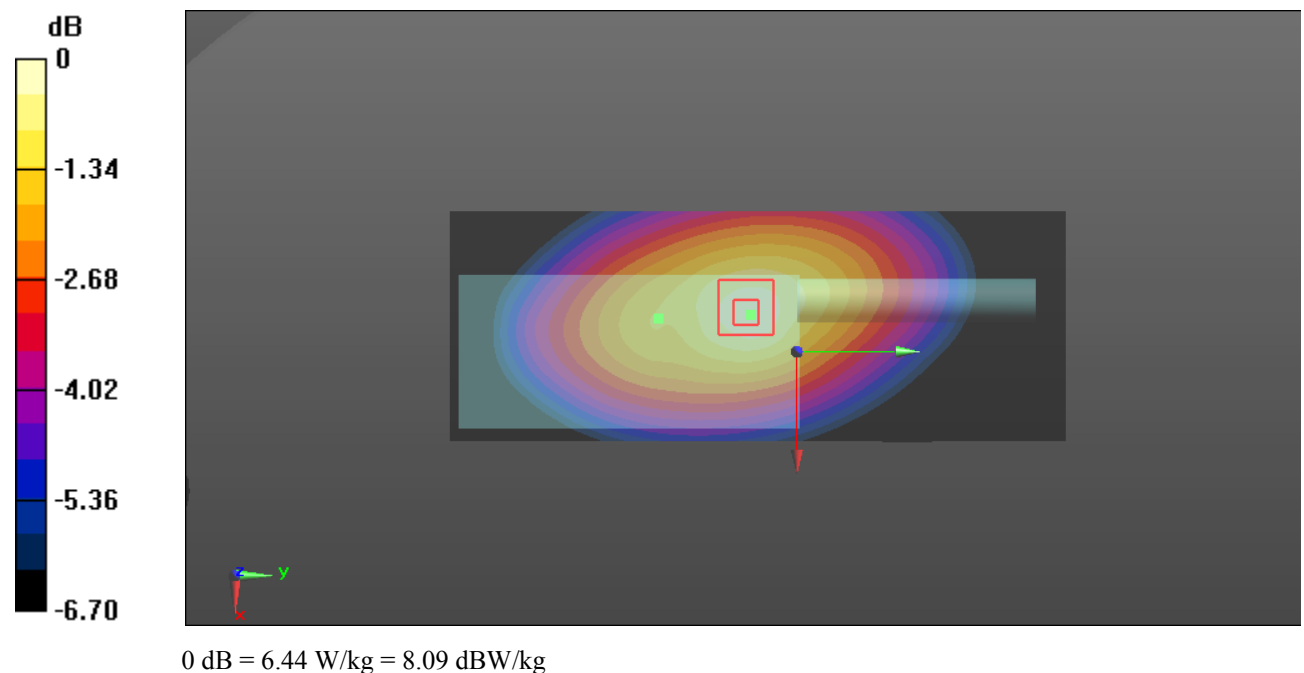
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 75.43 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 7.82 W/kg

SAR(1 g) = 6.09 W/kg; SAR(10 g) = 4.64 W/kg

Maximum value of SAR (measured) = 6.44 W/kg



Test Plot 18#: FM_25kHz_450.012MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

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

Medium parameters used: $f = 450.012$ MHz; $\sigma = 0.873$ S/m; $\epsilon_r = 41.85$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 450.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x161x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 9.68 W/kg

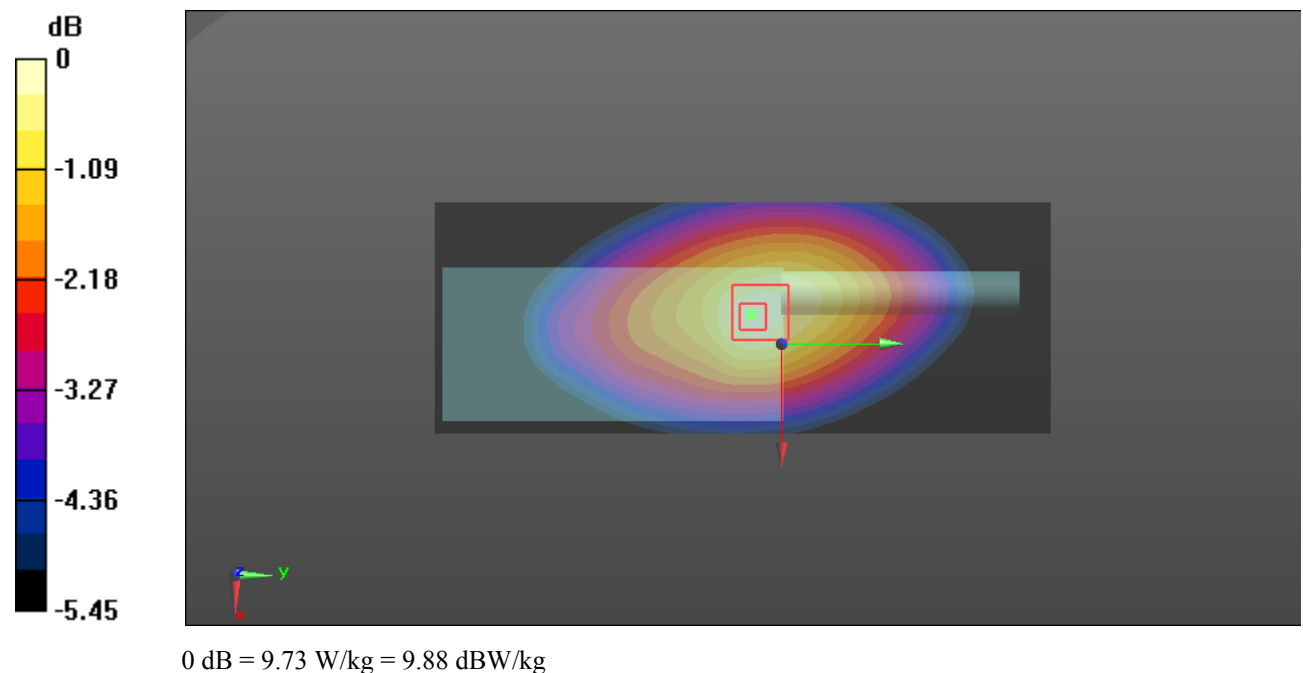
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 101.0 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 9.23 W/kg; SAR(10 g) = 7.28 W/kg

Maximum value of SAR (measured) = 9.73 W/kg



Test Plot 19#: FM_25kHz_467.5125MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

Communication System: FM ; Frequency: 467.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 467.512$ MHz; $\sigma = 0.869$ S/m; $\epsilon_r = 41.81$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 467.512 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x161x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 7.97 W/kg

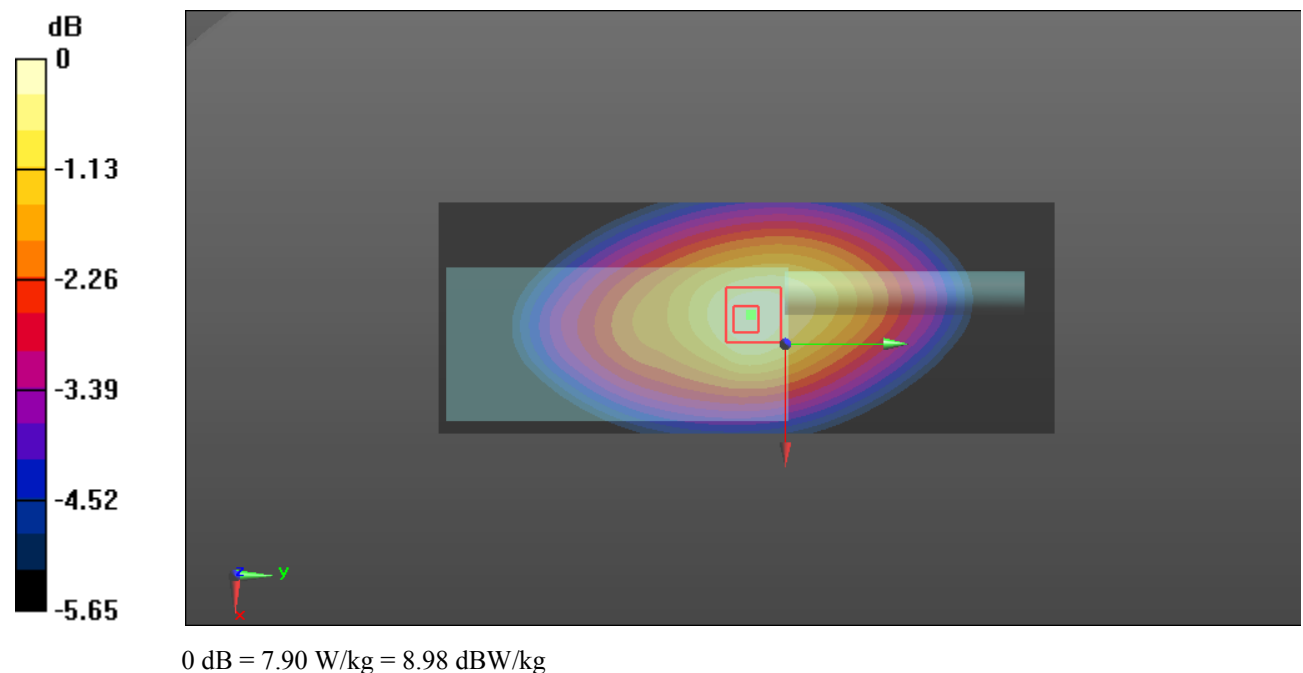
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 91.63 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 9.31 W/kg

SAR(1 g) = 7.54 W/kg; SAR(10 g) = 5.87 W/kg

Maximum value of SAR (measured) = 7.90 W/kg



Test Plot 20#: FM_25kHz_485.012MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

Communication System: FM ; Frequency: 485.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 485.012$ MHz; $\sigma = 0.874$ S/m; $\epsilon_r = 41.56$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 485.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.31 W/kg

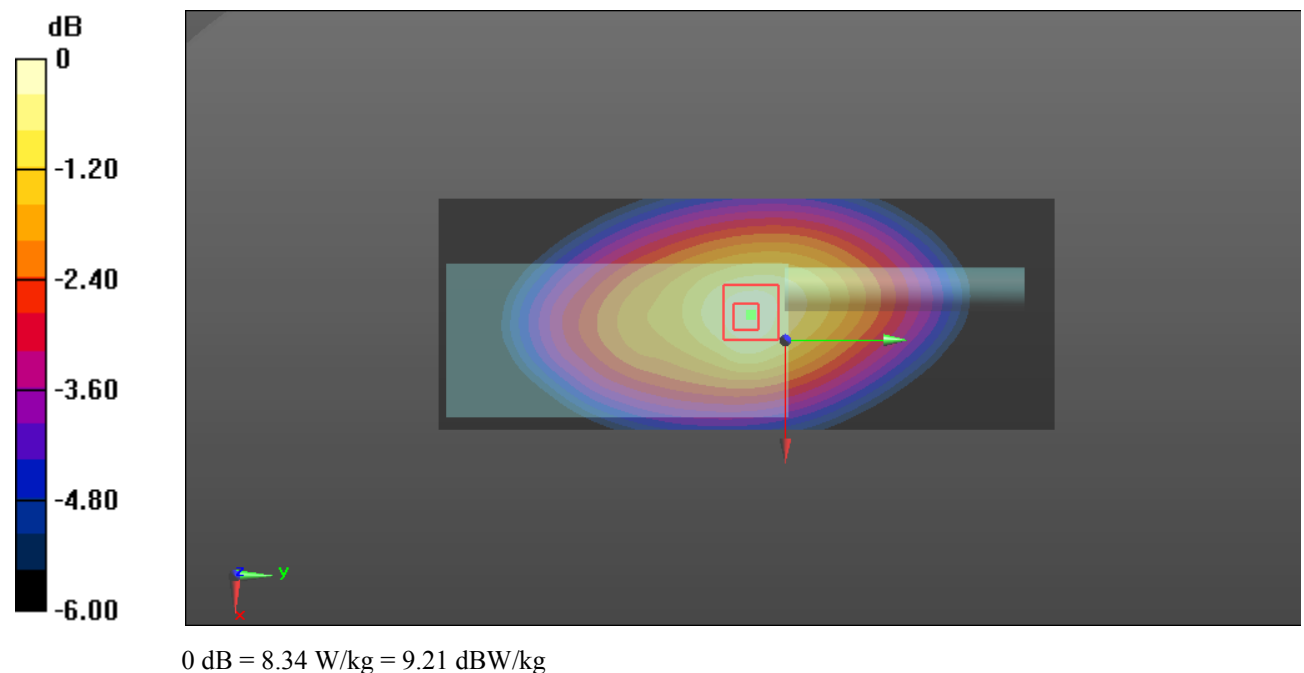
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 93.06 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 9.83 W/kg

SAR(1 g) = 7.94 W/kg; SAR(10 g) = 6.12 W/kg

Maximum value of SAR (measured) = 8.34 W/kg



Test Plot 21#: FM_25kHz_502.4875MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

Communication System: FM ; Frequency: 502.488 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 502.488$ MHz; $\sigma = 0.868$ S/m; $\epsilon_r = 41.72$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 502.488 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x161x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

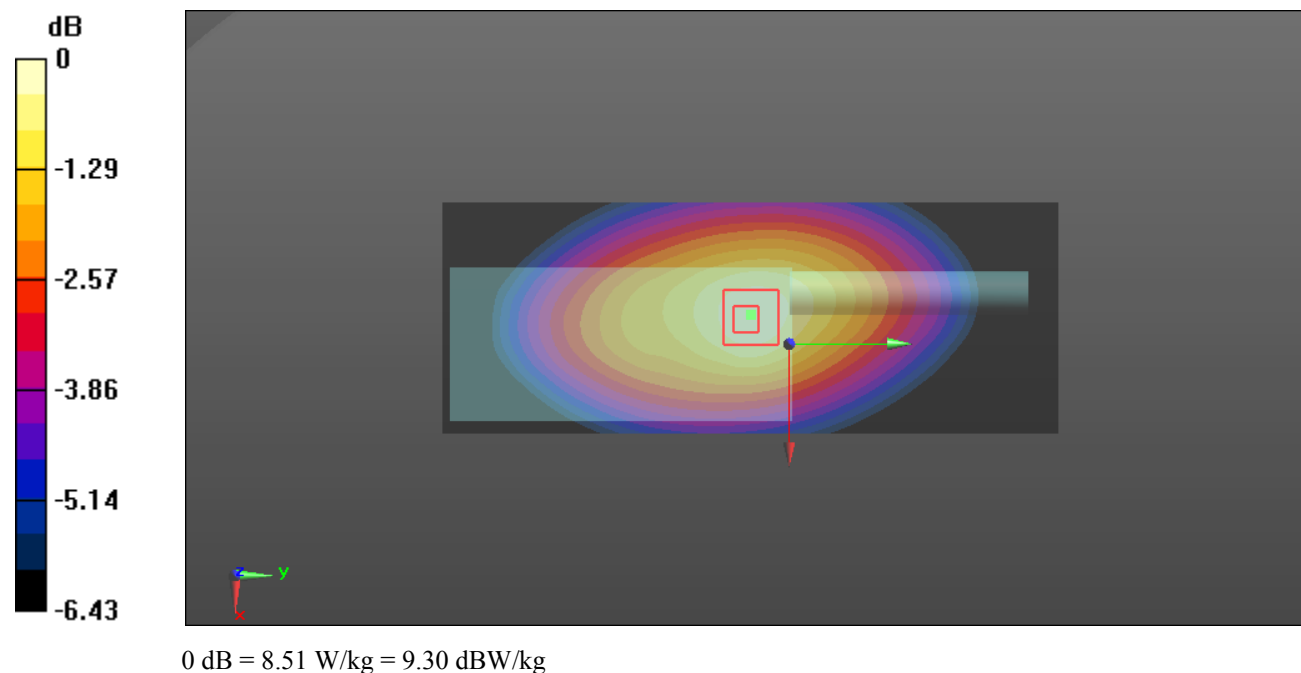
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 93.06 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 10.1 W/kg

SAR(1 g) = 8.09 W/kg; SAR(10 g) = 6.16 W/kg

Maximum value of SAR (measured) = 8.51 W/kg



Test Plot 22#: FM_25kHz_519.9875MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

Communication System: FM ; Frequency: 519.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 519.988$ MHz; $\sigma = 0.867$ S/m; $\epsilon_r = 41.68$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 519.988 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x161x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 6.20 W/kg

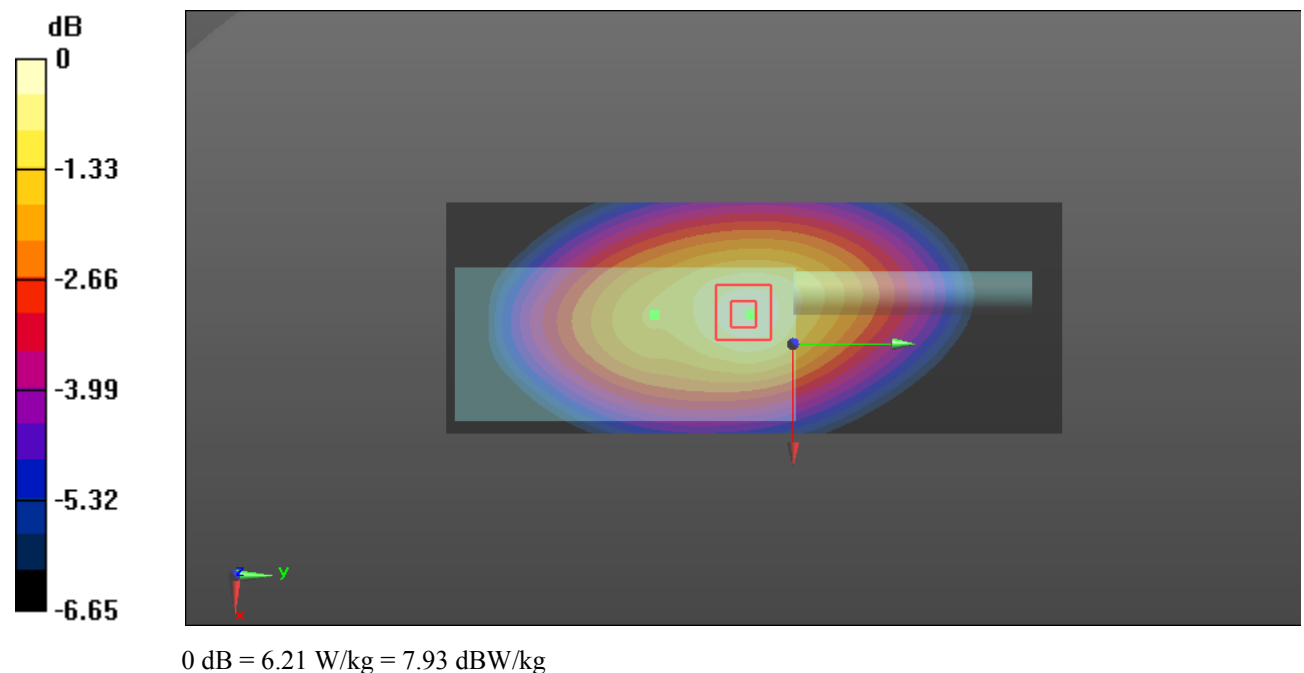
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 77.18 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 7.43 W/kg

SAR(1 g) = 5.88 W/kg; SAR(10 g) = 4.45 W/kg

Maximum value of SAR (measured) = 6.21 W/kg



Test Plot 23#: FM_25kHz_450.012MHz_Body Back**DUT: Digital Portable Radio; Type: HP702 U2; Serial: RDG200805004-SA-S2**

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

Medium parameters used: $f = 450.012$ MHz; $\sigma = 0.873$ S/m; $\epsilon_r = 41.85$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 450.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.82 W/kg

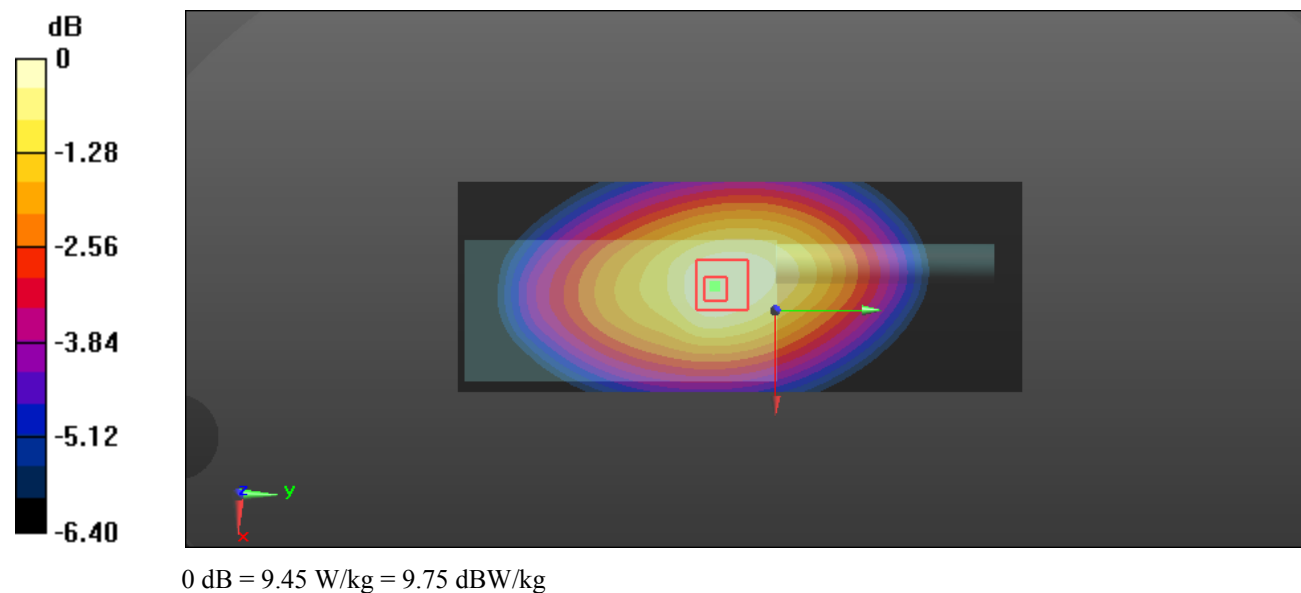
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 94.49 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 11.6 W/kg

SAR(1 g) = 8.96 W/kg; SAR(10 g) = 6.82 W/kg

Maximum value of SAR (measured) = 9.45 W/kg



Test Plot 24#: 4FSK_450.012MHz_Body Back**DUT: Digital Portable Radio; Type: HP782 U2; Serial: RDG200805004-SA-S1**

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

Medium parameters used: $f = 450.012$ MHz; $\sigma = 0.873$ S/m; $\epsilon_r = 41.85$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 450.012 MHz; Calibrated: 2019/9/25
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2019/10/6
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (61x161x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 4.64 W/kg

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

Reference Value = 65.81 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 5.73 W/kg

SAR(1 g) = 4.31 W/kg; SAR(10 g) = 3.35 W/kg

Maximum value of SAR (measured) = 4.60 W/kg

