

Plot 1#:FM 12.5kHz_145.5125MHz_Face Up**DUT: Two Way Radio; Type: DR7810S-1; Serial: CR22050005-SA-S1**

Communication System: FM; Frequency: 145.512 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 145.512$ MHz; $\sigma = 0.748$ S/m; $\epsilon_r = 53.129$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 145.512 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.872 W/kg

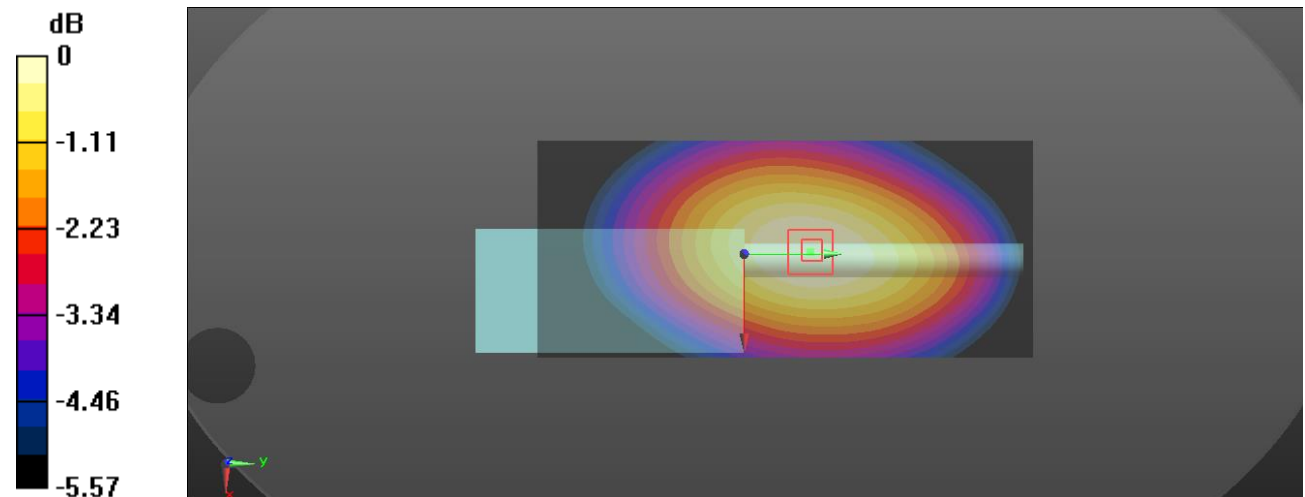
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.83 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.822 W/kg; SAR(10 g) = 0.651 W/kg

Maximum value of SAR (measured) = 0.853 W/kg



0 dB = 0.853 W/kg = -0.69 dBW/kg

Plot 2#:FM 25kHz_145.5125MHz_Face Up**DUT: Two Way Radio; Type: DR7810S-1; Serial: CR22050005-SA-S1**

Communication System: FM; Frequency: 145.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 145.512$ MHz; $\sigma = 0.748$ S/m; $\epsilon_r = 53.129$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 145.512 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.837 W/kg

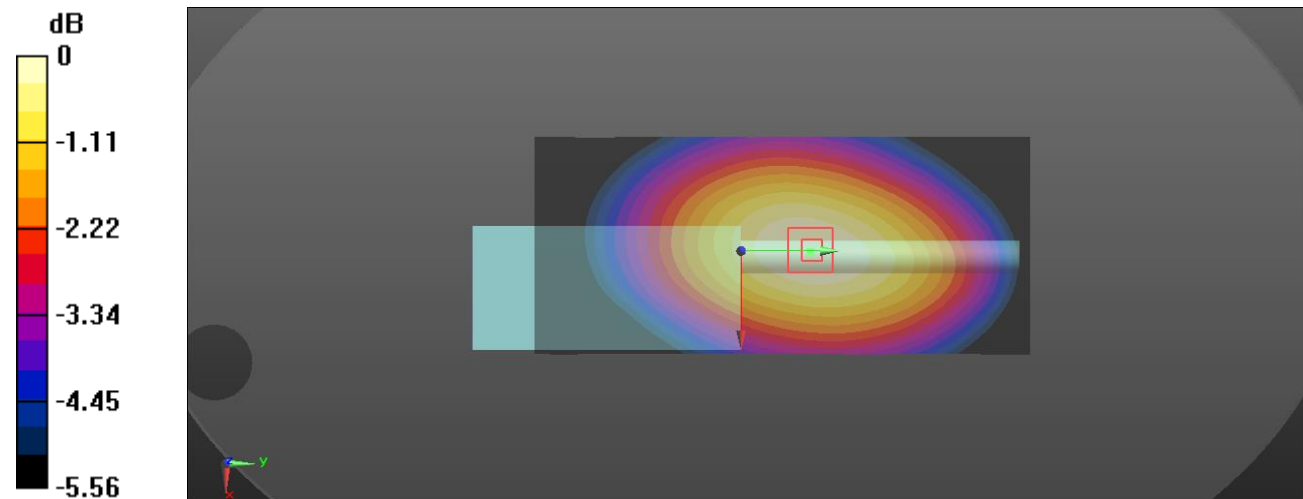
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.77 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.798 W/kg; SAR(10 g) = 0.631 W/kg

Maximum value of SAR (measured) = 0.829 W/kg



0 dB = 0.829 W/kg = -0.81 dBW/kg

Plot 3#:4FSK 12.5kHz_145.5125MHz_Face Up**DUT: Two Way Radio; Type: DR7810S-1; Serial: CR22050005-SA-S1**

Communication System: 4FSK; Frequency: 145.512 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 145.512$ MHz; $\sigma = 0.748$ S/m; $\epsilon_r = 53.129$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 145.512 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.415 W/kg

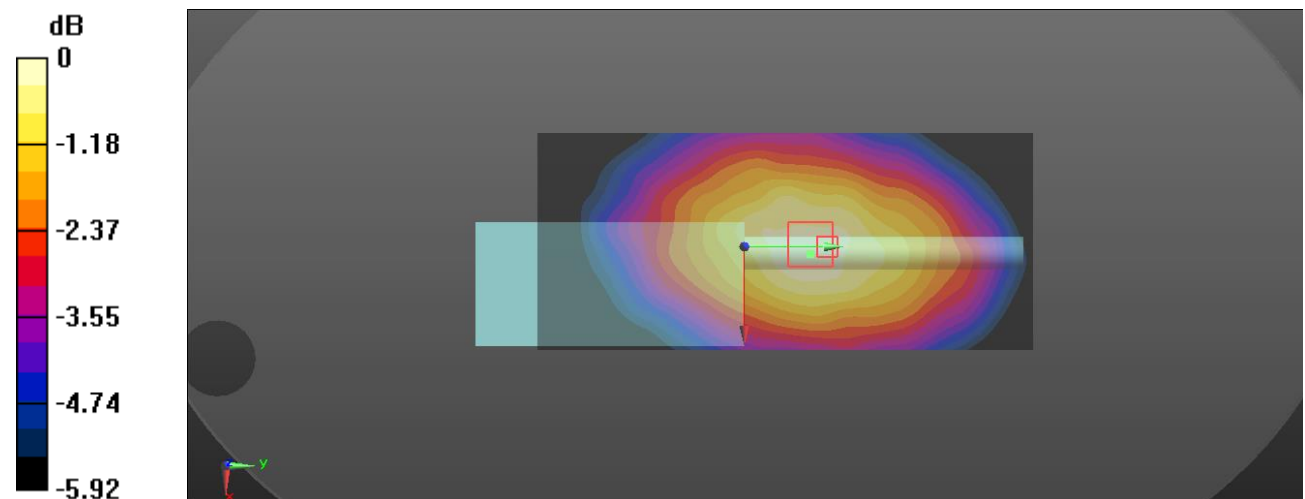
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.14 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.526 W/kg

SAR(1 g) = 0.391 W/kg; SAR(10 g) = 0.308 W/kg

Maximum value of SAR (measured) = 0.416 W/kg



0 dB = 0.416 W/kg = -3.81 dBW/kg

Plot 4#: FM 12.5kHz_136.0125MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-1; Serial: CR22050005-SA-S1-S2**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.764$ S/m; $\epsilon_r = 63.764$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 136.012 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.13 W/kg

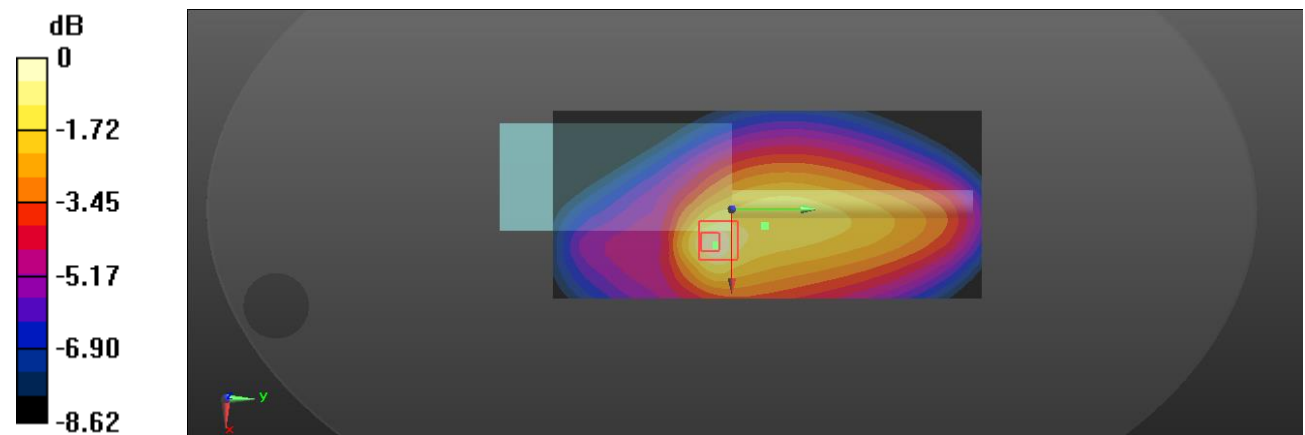
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.59 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 2.02 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.723 W/kg

Maximum value of SAR (measured) = 1.13 W/kg



0 dB = 1.13 W/kg = 0.53 dBW/kg

Plot 5#: FM 12.5kHz_145.5125MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-1; Serial: CR22050005-SA-S1-S2**

Communication System: FM; Frequency: 145.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 145.512$ MHz; $\sigma = 0.772$ S/m; $\epsilon_r = 63.554$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 145.512 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.53 W/kg

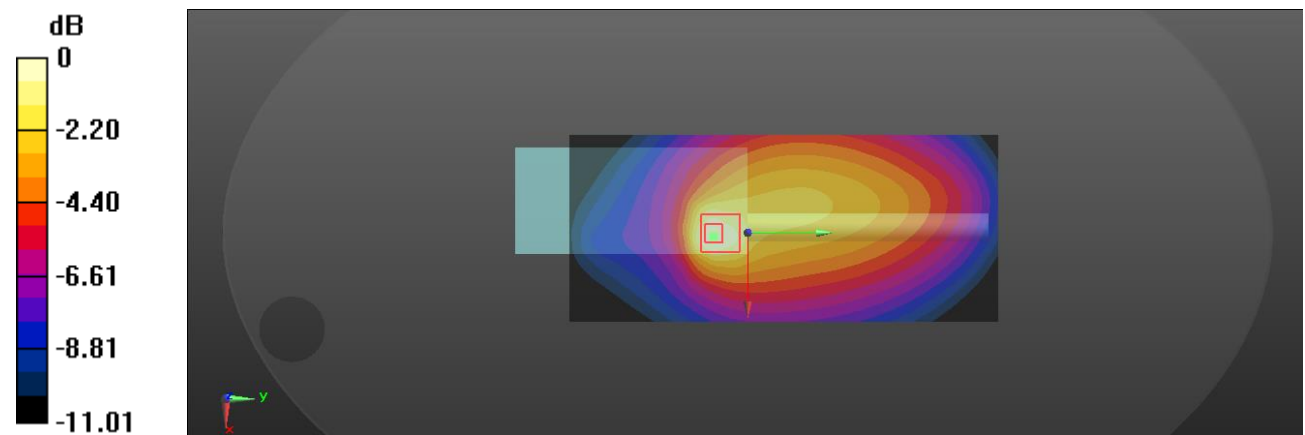
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.23 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 7.81 W/kg

SAR(1 g) = 3.25 W/kg; SAR(10 g) = 1.89 W/kg

Maximum value of SAR (measured) = 3.29 W/kg



0 dB = 3.29 W/kg = 5.17 dBW/kg

Plot 6#: FM 12.5kHz_155MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-1; Serial: CR22050005-SA-S1-S2**

Communication System: FM; Frequency: 155 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 155 \text{ MHz}$; $\sigma = 0.794 \text{ S/m}$; $\epsilon_r = 63.155$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 155 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 2.83 W/kg

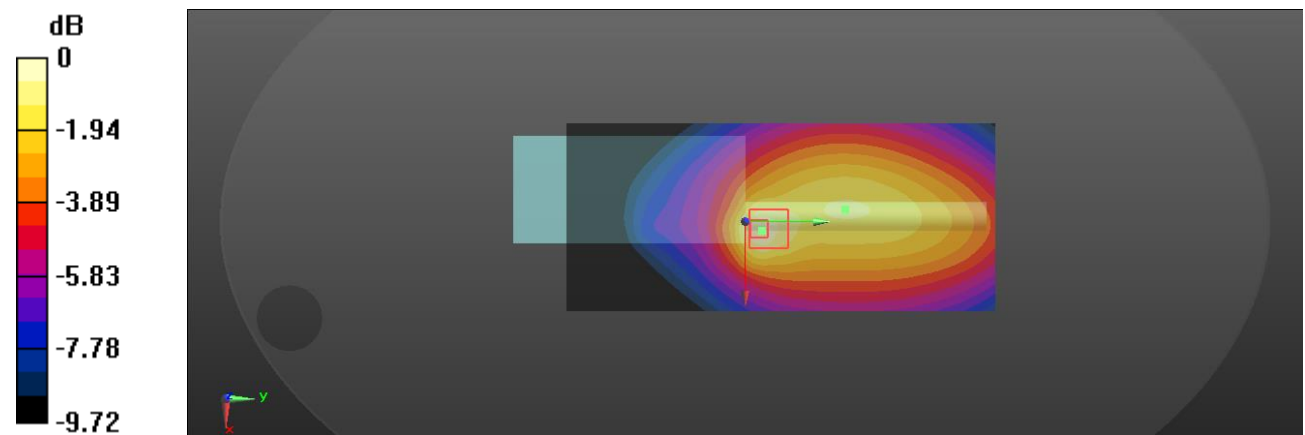
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 54.23 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 5.38 W/kg

SAR(1 g) = 2.63 W/kg; SAR(10 g) = 1.66 W/kg

Maximum value of SAR (measured) = 2.74 W/kg



0 dB = 2.74 W/kg = 4.38 dBW/kg

Plot 7#: FM 12.5kHz_164.4875MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-1; Serial: CR22050005-SA-S1-S2**

Communication System: FM; Frequency: 164.488 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 164.488$ MHz; $\sigma = 0.808$ S/m; $\epsilon_r = 62.846$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 164.488 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.661 W/kg

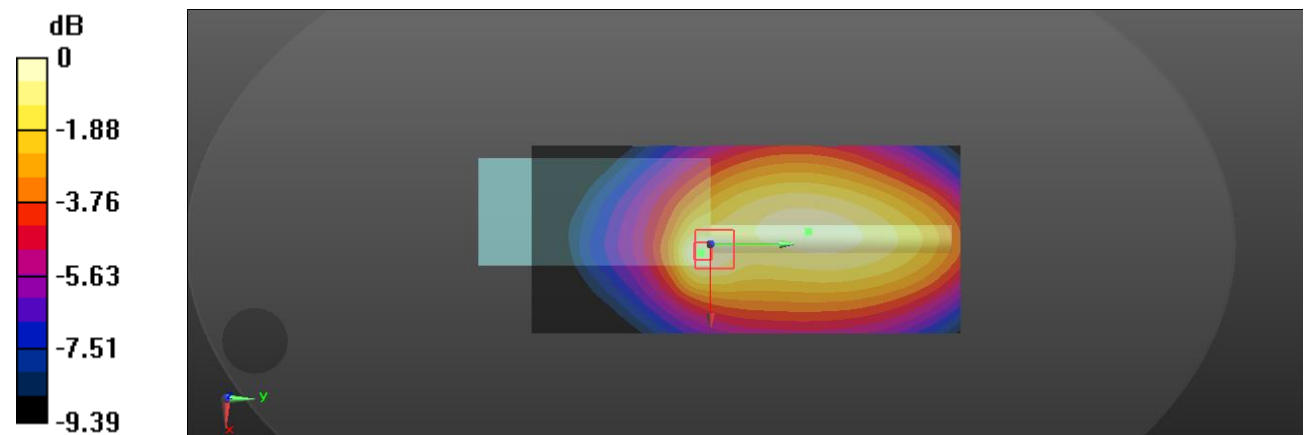
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.25 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.605 W/kg; SAR(10 g) = 0.404 W/kg

Maximum value of SAR (measured) = 0.633 W/kg



0 dB = 0.633 W/kg = -1.99 dBW/kg

Plot 8#: FM 12.5kHz_173.9875MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-1; Serial: CR22050005-SA-S1-S2**

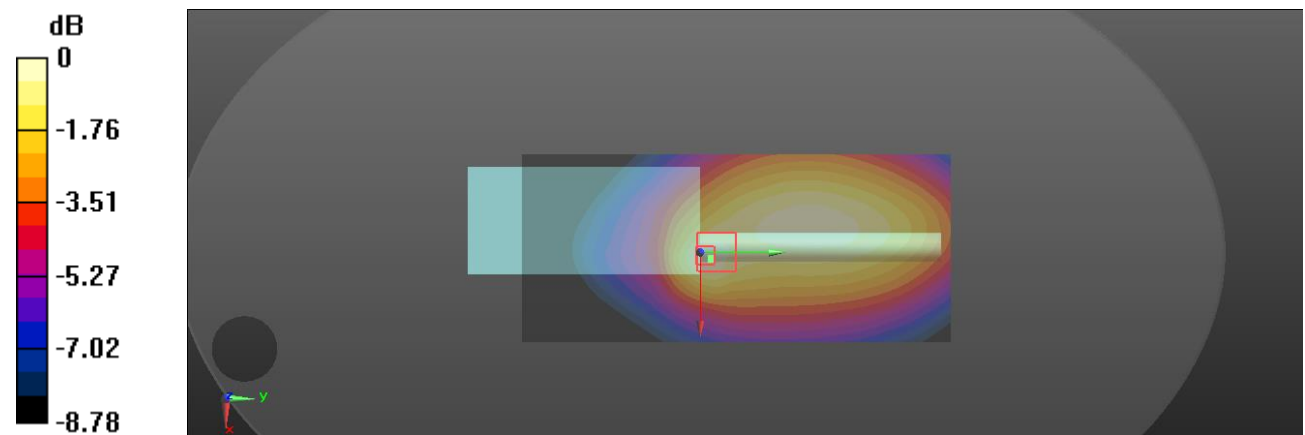
Communication System: FM; Frequency: 173.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 173.988 \text{ MHz}$; $\sigma = 0.816 \text{ S/m}$; $\epsilon_r = 62.642$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 173.988 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 0.226 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 16.75 V/m ; Power Drift = -0.04 dB Peak SAR (extrapolated) = 0.394 W/kg **SAR(1 g) = 0.217 W/kg ; SAR(10 g) = 0.146 W/kg** Maximum value of SAR (measured) = 0.224 W/kg 0 dB = 0.224 W/kg = -6.50 dBW/kg

Plot 9#: FM 25kHz_145.5125MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-1; Serial: CR22050005-SA-S1**

Communication System: FM; Frequency: 145.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 145.512$ MHz; $\sigma = 0.772$ S/m; $\epsilon_r = 63.554$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 145.512 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.05 W/kg

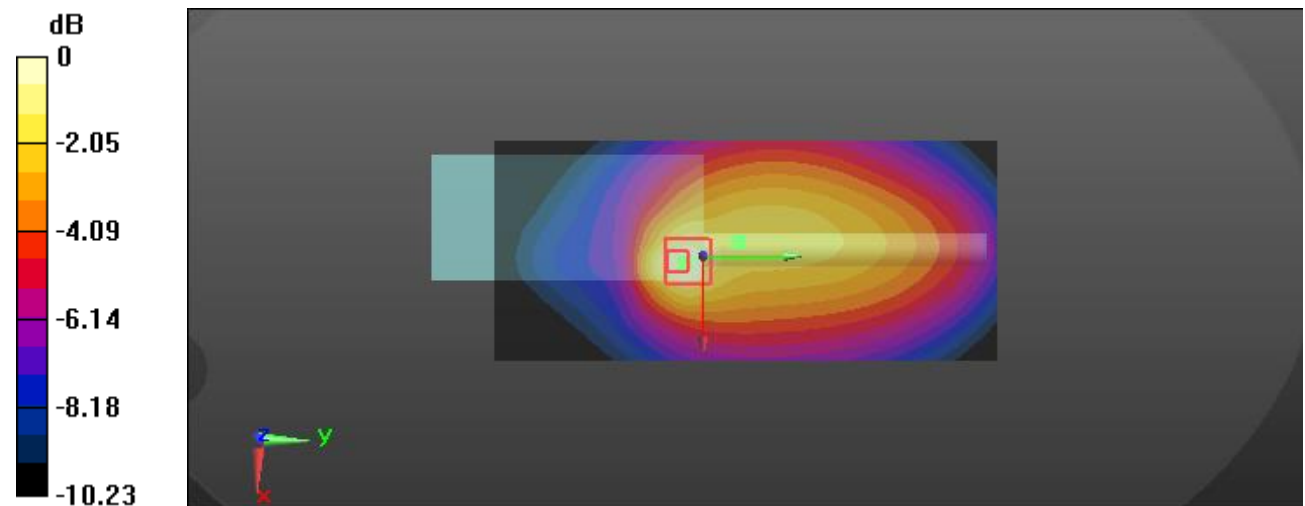
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 57.03 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 6.93 W/kg

SAR(1 g) = 2.9 W/kg; SAR(10 g) = 1.7 W/kg

Maximum value of SAR (measured) = 2.89 W/kg



0 dB = 2.89 W/kg = 4.61 dBW/kg

Plot 10#: 4FSK_12.5kHz_145.5125MHz_Body Back**DUT: Two Way Radio; Type: DR7810S-1; Serial: CR22050005-SA-S1**

Communication System: 4FSK; Frequency: 145.512 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 145.512$ MHz; $\sigma = 0.772$ S/m; $\epsilon_r = 63.554$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 145.512 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

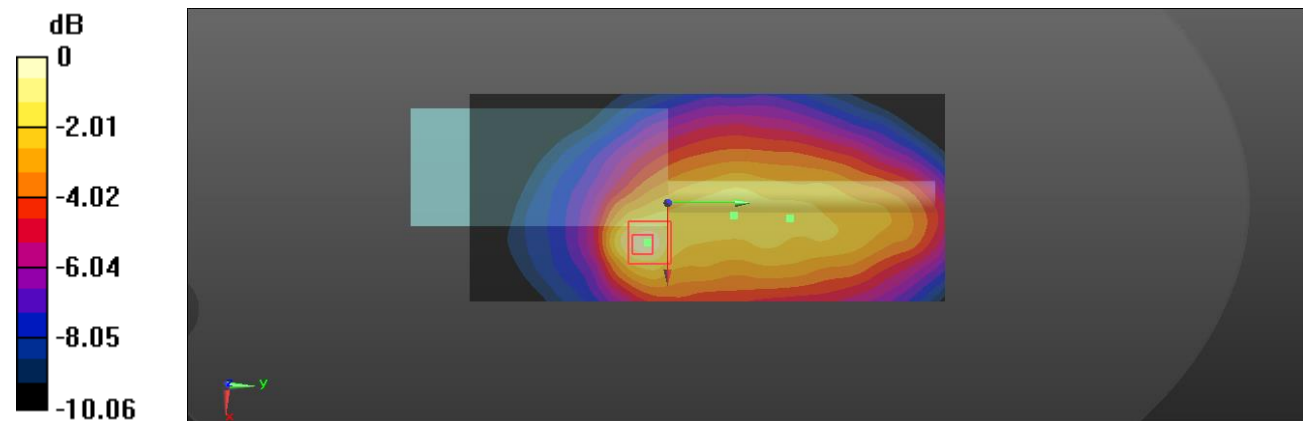
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.68 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.27 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.632 W/kg

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



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

Plot 11#: FM 12.5kHz_145.5125MHz_Face Up**DUT: Two Way Radio; Type: DR7610S-1; Serial: CR22050005-SA-S2**

Communication System: FM; Frequency: 145.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 145.512$ MHz; $\sigma = 0.748$ S/m; $\epsilon_r = 53.129$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 145.512 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.838 W/kg

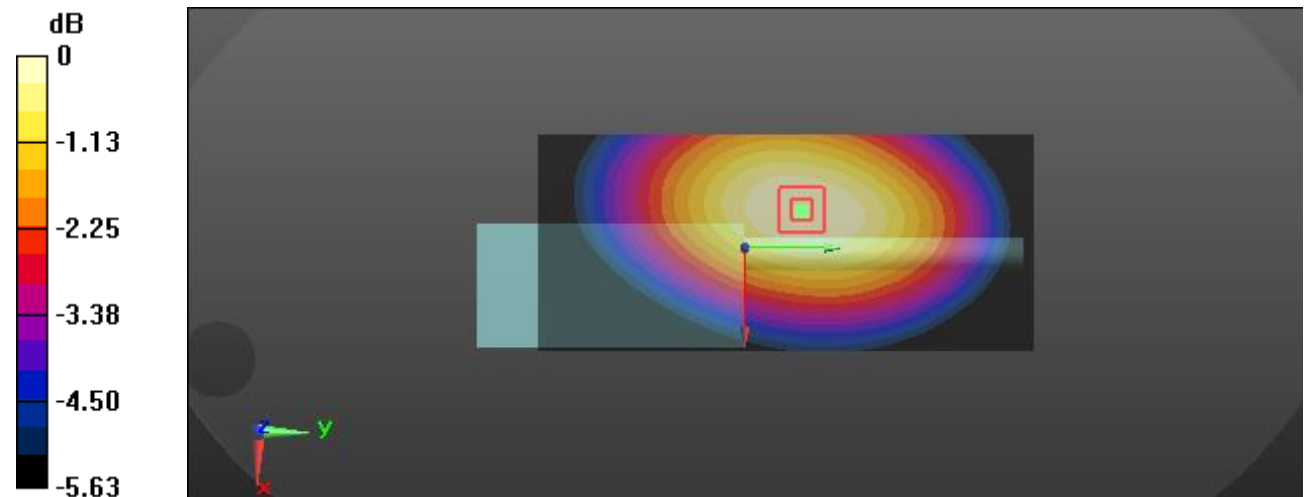
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.26 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.791 W/kg; SAR(10 g) = 0.624 W/kg

Maximum value of SAR (measured) = 0.822 W/kg



0 dB = 0.822 W/kg = -0.85 dBW/kg

Plot 12#: FM 12.5kHz_136.0125MHz_ Body Back**DUT: Two Way Radio; Type: DR7610S-1; Serial: CR22050005-SA-S2**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.764$ S/m; $\epsilon_r = 63.764$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 136.012 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.954 W/kg

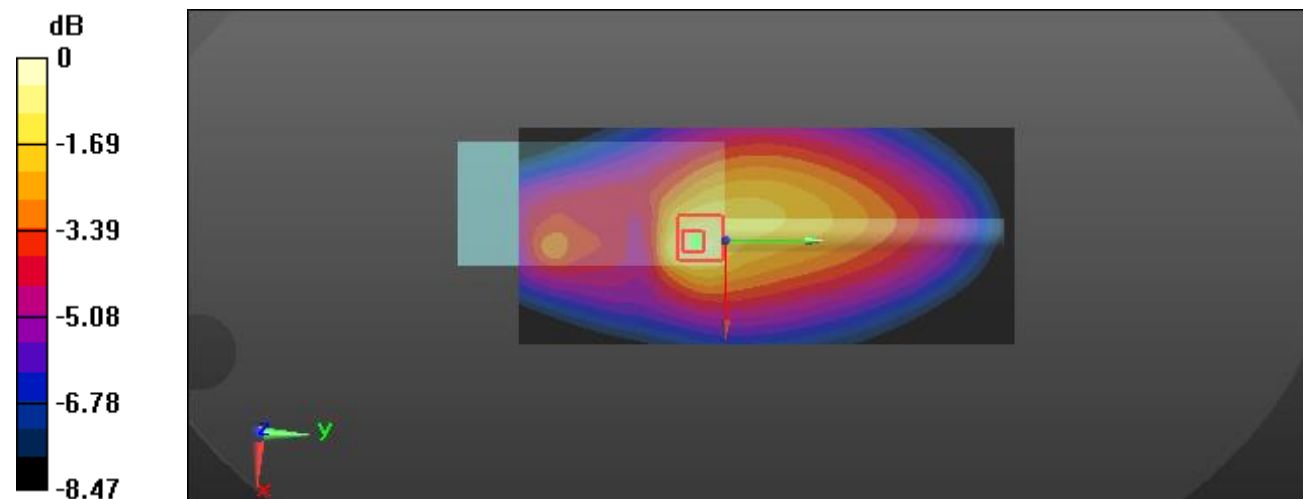
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.97 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.670 W/kg

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



0 dB = 1.05 W/kg = 0.21 dBW/kg

Plot 13#: FM 12.5kHz_145.5125MHz_ Body Back**DUT: Two Way Radio; Type: DR7610S-1; Serial: CR22050005-SA-S2**

Communication System: FM; Frequency: 145.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 145.512$ MHz; $\sigma = 0.772$ S/m; $\epsilon_r = 63.554$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 145.512 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.50 W/kg

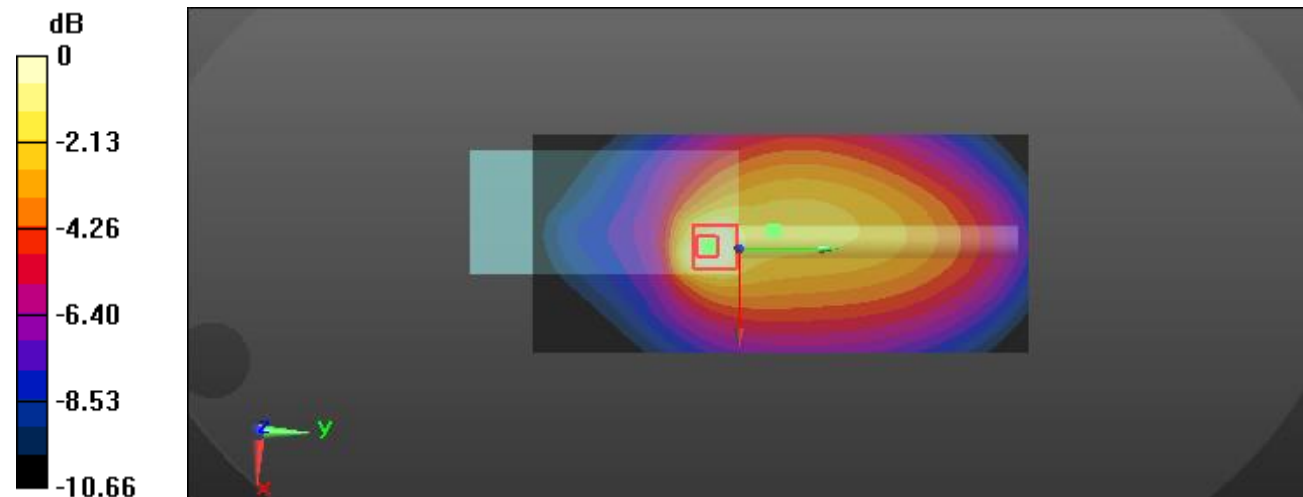
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 61.12 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 8.25 W/kg

SAR(1 g) = 3.43 W/kg; SAR(10 g) = 2.01 W/kg

Maximum value of SAR (measured) = 3.47 W/kg



0 dB = 3.47 W/kg = 5.40 dBW/kg

Plot 14#: FM 12.5kHz_155MHz_Body Back**DUT: Two Way Radio; Type: DR7610S-1; Serial: CR22050005-SA-S2**

Communication System: FM; Frequency: 155 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 155$ MHz; $\sigma = 0.794$ S/m; $\epsilon_r = 63.155$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 155 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.93 W/kg

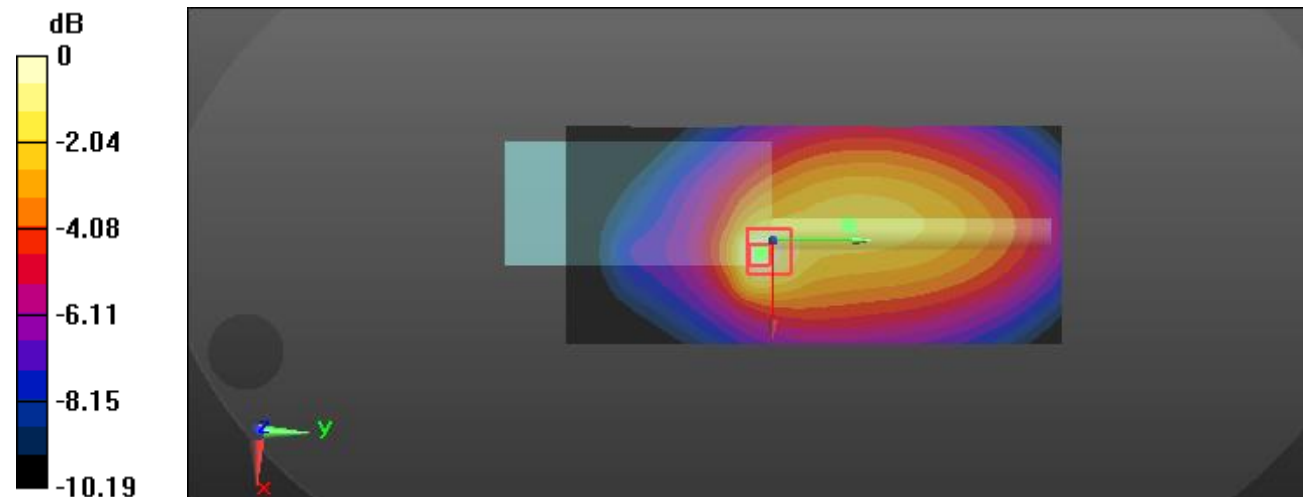
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.34 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 5.90 W/kg

SAR(1 g) = 2.72 W/kg; SAR(10 g) = 1.67 W/kg

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



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

Plot 15#: FM 12.5kHz_164.4875MHz_Body Back**DUT: Two Way Radio; Type: DR7610S-1; Serial: CR22050005-SA-S2**

Communication System: FM; Frequency: 164.488 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 164.488$ MHz; $\sigma = 0.808$ S/m; $\epsilon_r = 62.846$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 164.488 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.910 W/kg

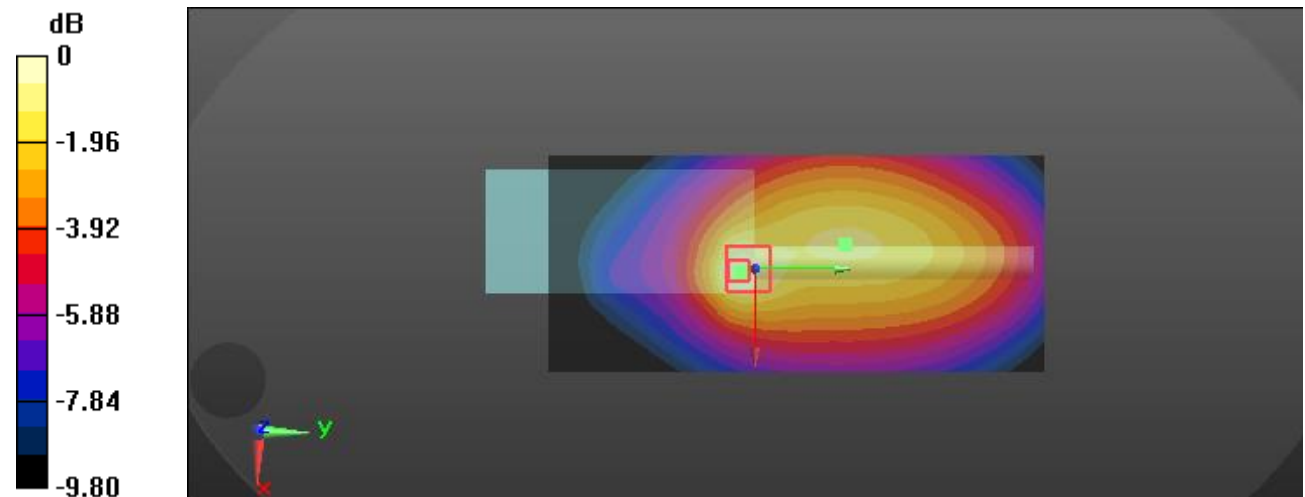
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.88 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.73 W/kg

SAR(1 g) = 0.834 W/kg; SAR(10 g) = 0.524 W/kg

Maximum value of SAR (measured) = 0.859 W/kg



0 dB = 0.859 W/kg = -0.66 dBW/kg

Plot 16#: FM 12.5kHz_173.9875MHz_Body Back**DUT: Two Way Radio; Type: DR7610S-1; Serial: CR22050005-SA-S2**

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

Medium parameters used: $f = 173.988$ MHz; $\sigma = 0.816$ S/m; $\epsilon_r = 62.642$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 173.988 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.230 W/kg

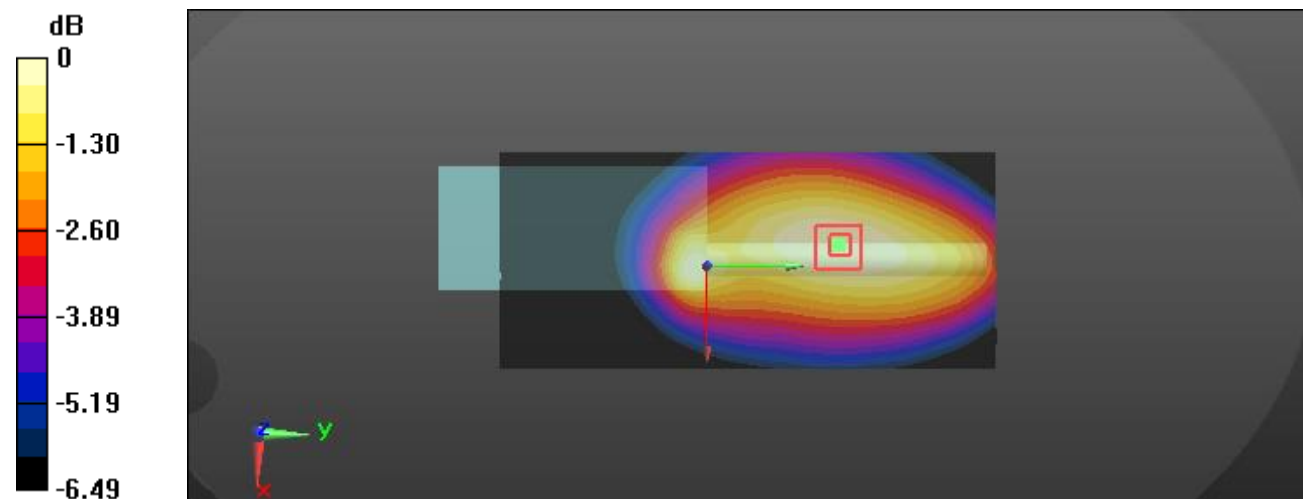
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.92 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.290 W/kg

SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.169 W/kg

Maximum value of SAR (measured) = 0.230 W/kg



0 dB = 0.230 W/kg = -6.38 dBW/kg

Plot 17#: FM 12.5kHz_145.5125MHz_Face Up**DUT: Two Way Radio; Type: DR7510S-1; Serial: CR22050005-SA-S3**

Communication System: FM; Frequency: 145.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 145.512$ MHz; $\sigma = 0.748$ S/m; $\epsilon_r = 53.129$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 145.512 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

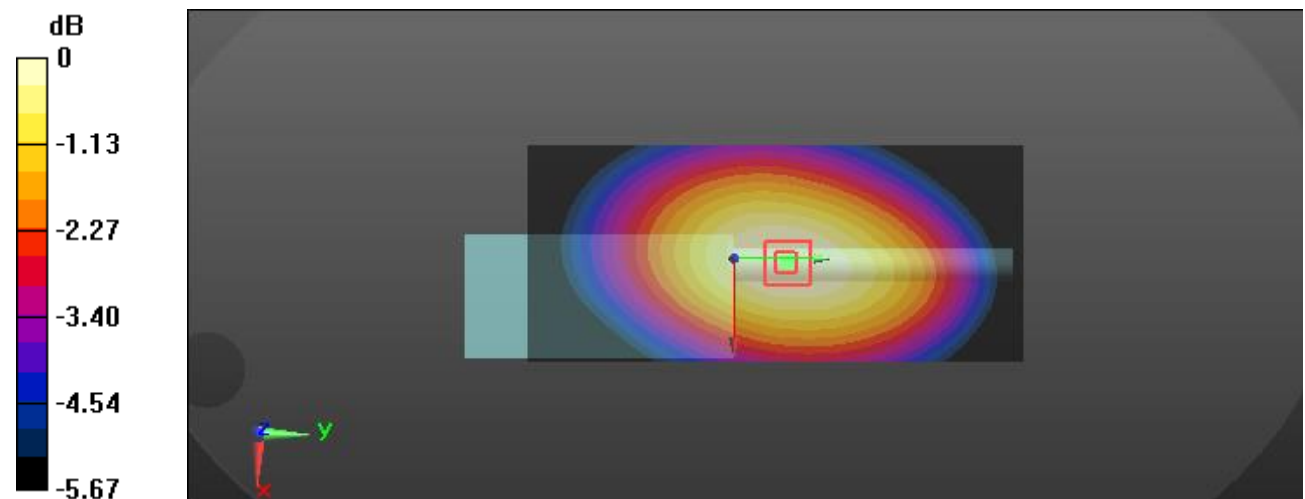
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.09 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.952 W/kg; SAR(10 g) = 0.751 W/kg

Maximum value of SAR (measured) = 0.990 W/kg



0 dB = 0.990 W/kg = -0.04 dBW/kg

Plot 18#: FM 12.5kHz_136.0125MHz_Body Back**DUT: Two Way Radio; Type: DR7510S-1; Serial: CR22050005-SA-S3**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.764$ S/m; $\epsilon_r = 63.764$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 136.012 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.663 W/kg

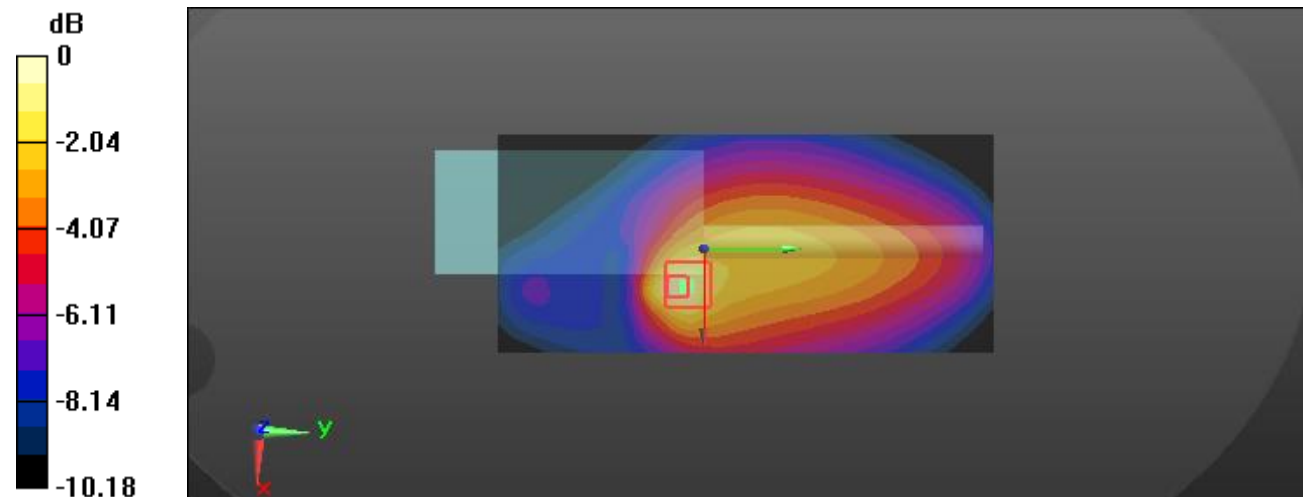
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.62 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.682 W/kg; SAR(10 g) = 0.404 W/kg

Maximum value of SAR (measured) = 0.691 W/kg



0 dB = 0.691 W/kg = -1.61 dBW/kg

Plot 19#: FM 12.5kHz_145.5125MHz_Body Back**DUT: Two Way Radio; Type: DR7510S-1; Serial: CR22050005-SA-S3**

Communication System: FM; Frequency: 145.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 145.512 \text{ MHz}$; $\sigma = 0.772 \text{ S/m}$; $\epsilon_r = 63.554$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 145.512 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

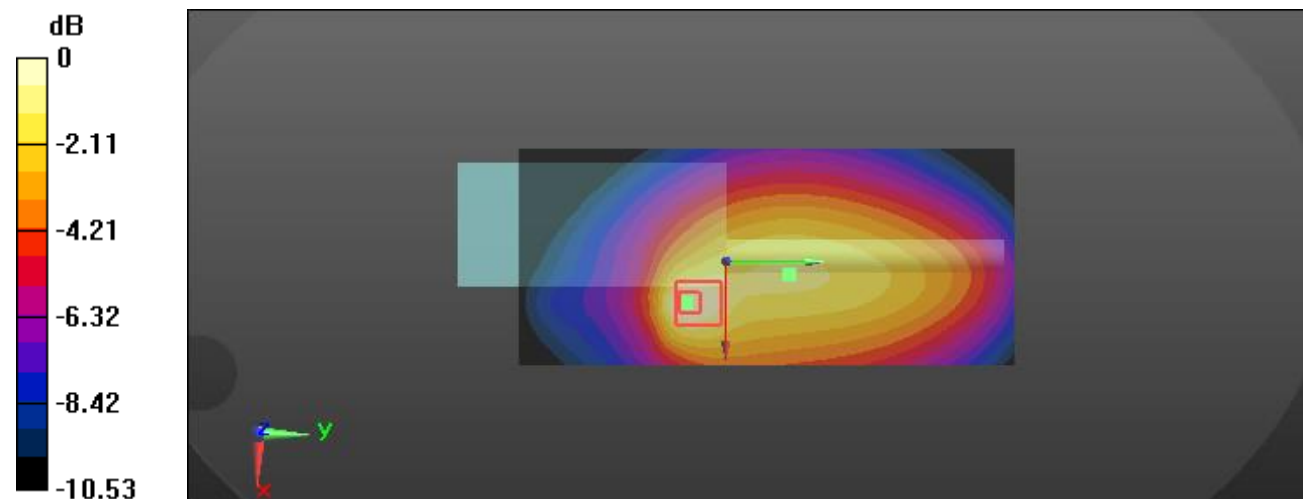
Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 57.97 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 7.64 W/kg

SAR(1 g) = 3.53 W/kg; SAR(10 g) = 2.15 W/kg

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



0 dB = 3.69 W/kg = 5.67 dBW/kg

Plot 20#: FM 12.5kHz_155MHz_Body Back**DUT: Two Way Radio; Type: DR7510S-1; Serial: CR22050005-SA-S3**

Communication System: FM; Frequency: 155 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 155$ MHz; $\sigma = 0.794$ S/m; $\epsilon_r = 63.155$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 155 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.37 W/kg

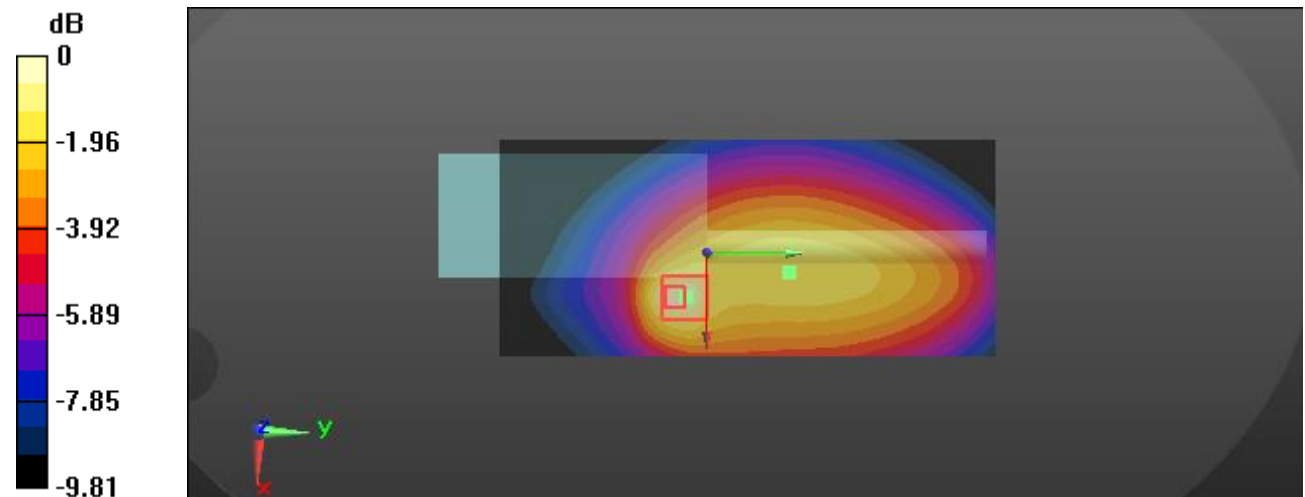
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 43.33 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 5.10 W/kg

SAR(1 g) = 2.4 W/kg; SAR(10 g) = 1.47 W/kg

Maximum value of SAR (measured) = 2.49 W/kg



0 dB = 2.49 W/kg = 3.96 dBW/kg

Plot 21#: FM 12.5kHz_164.4875MHz_Body Back**DUT: Two Way Radio; Type: DR7510S-1; Serial: CR22050005-SA-S3**

Communication System: FM; Frequency: 164.488 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 164.488$ MHz; $\sigma = 0.808$ S/m; $\epsilon_r = 62.846$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 164.488 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.792 W/kg

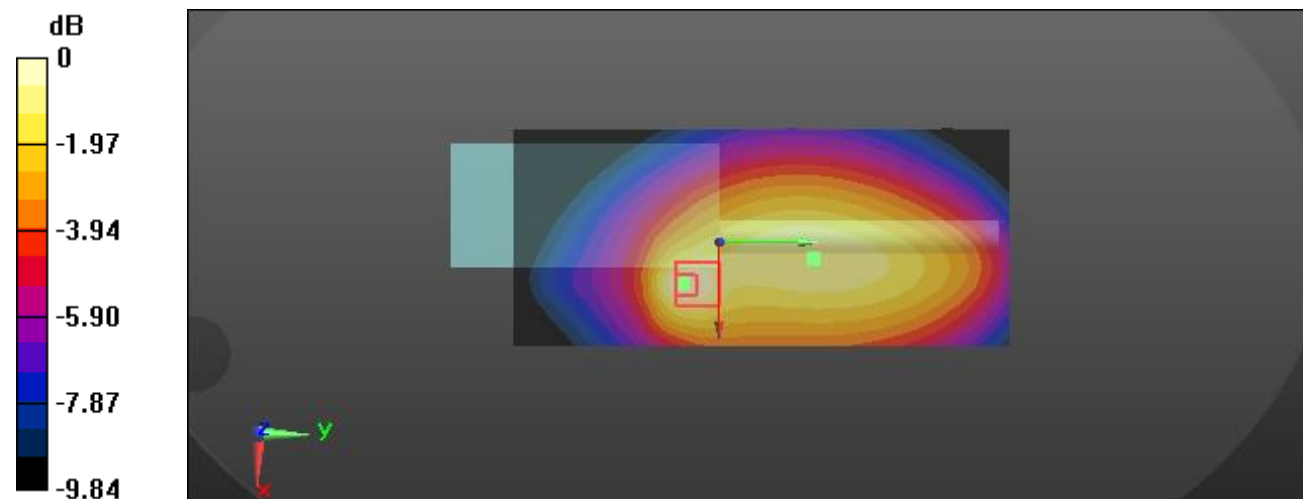
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.45 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.767 W/kg; SAR(10 g) = 0.491 W/kg

Maximum value of SAR (measured) = 0.810 W/kg



0 dB = 0.810 W/kg = -0.92 dBW/kg

Plot 22#: FM 12.5kHz_173.9875MHz_Body Back**DUT: Two Way Radio; Type: DR7510S-1; Serial: CR22050005-SA-S3**

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

Medium parameters used: $f = 173.988$ MHz; $\sigma = 0.816$ S/m; $\epsilon_r = 62.642$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 173.988 MHz; Calibrated: 2021/12/13
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1354; Calibrated: 2021/9/1
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

Area Scan (71x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.298 W/kg

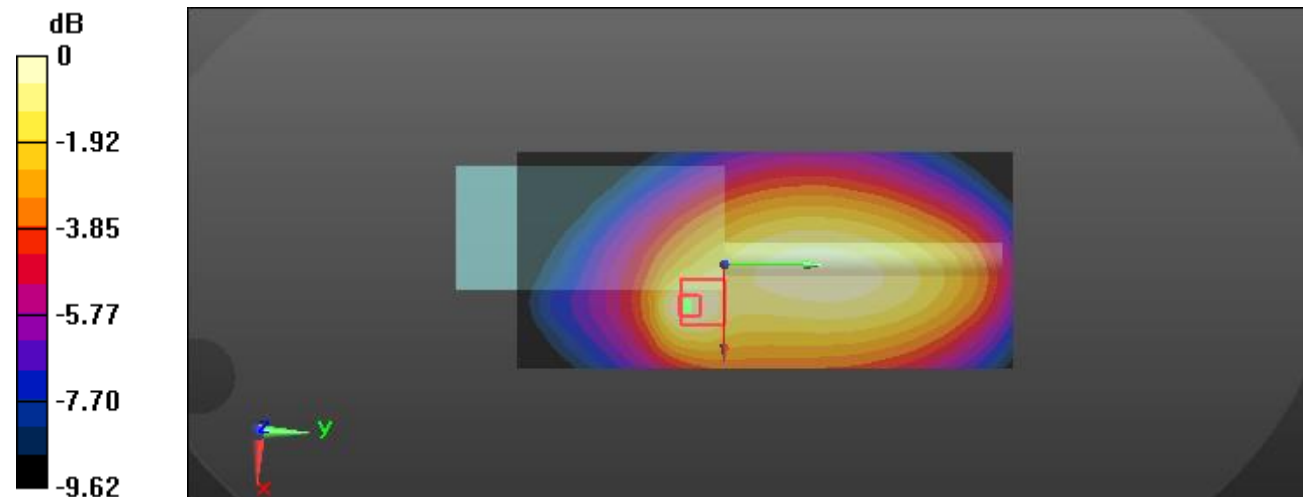
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.73 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.516 W/kg

SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.187 W/kg

Maximum value of SAR (measured) = 0.297 W/kg



0 dB = 0.297 W/kg = -5.27 dBW/kg