

Plot 1#: FM 12.5kHz_136.0125MHz_Face Up_Antenna 1**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.729$ S/m; $\epsilon_r = 52.718$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.353 W/kg

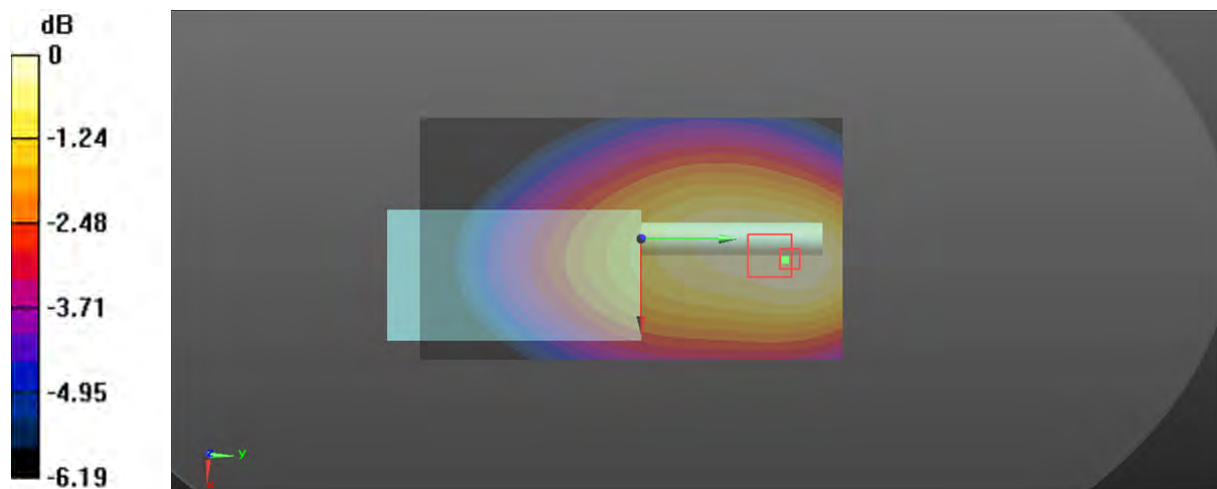
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.85 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.455 W/kg

SAR(1 g) = 0.345 W/kg; SAR(10 g) = 0.274 W/kg

Maximum value of SAR (measured) = 0.358 W/kg



0 dB = 0.358 W/kg = -4.46 dBW/kg

Plot 2#: FM 12.5kHz_144.0125MHz_Face Up_Antenna 2**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 144.012$ MHz; $\sigma = 0.733$ S/m; $\epsilon_r = 52.548$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 144.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.483 W/kg

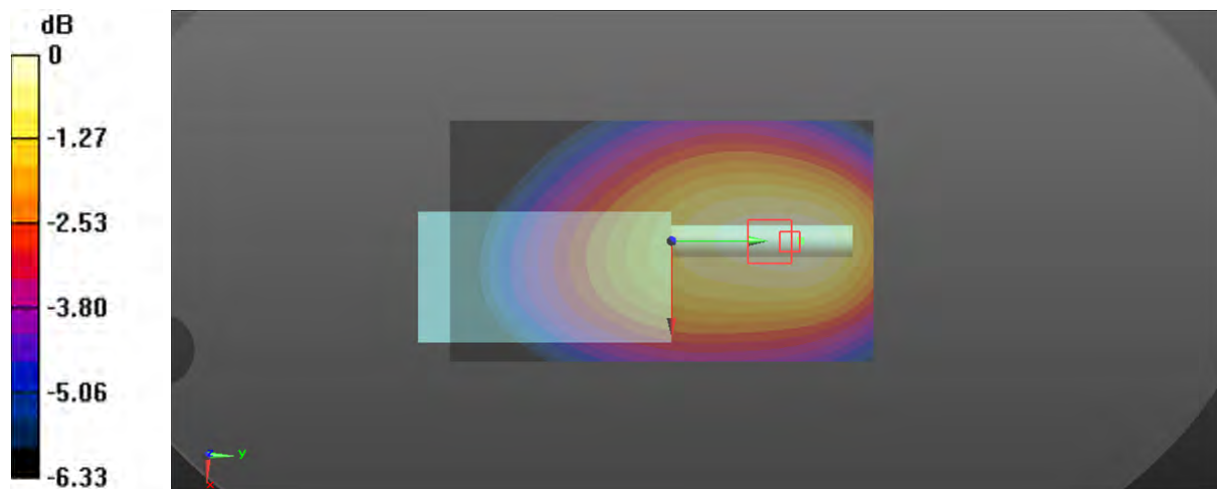
Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.61 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.621 W/kg

SAR(1 g) = 0.473 W/kg; SAR(10 g) = 0.378 W/kg

Maximum value of SAR (measured) = 0.490 W/kg



0 dB = 0.490 W/kg = -3.10 dBW/kg

Plot 3#: FM 12.5kHz_153.0125MHz_Face Up_Antenna 3**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.753$ S/m; $\epsilon_r = 51.942$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 153.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.573 W/kg

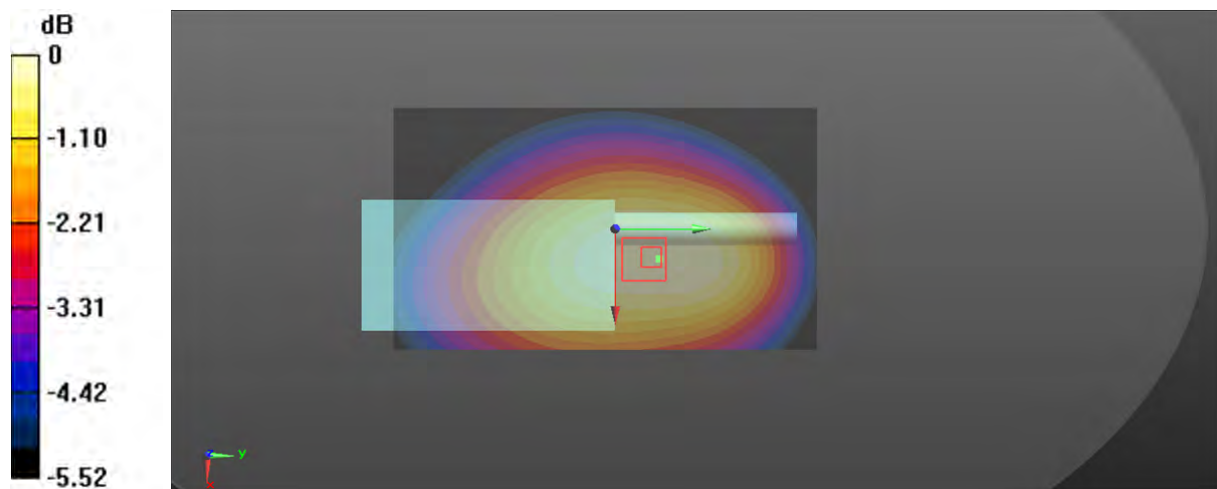
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.04 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.685 W/kg

SAR(1 g) = 0.542 W/kg; SAR(10 g) = 0.440 W/kg

Maximum value of SAR (measured) = 0.562 W/kg



0 dB = 0.562 W/kg = -2.50 dBW/kg

Plot 4#: FM 12.5kHz_163.0125MHz_Face Up_Antenna 4**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 163.012$ MHz; $\sigma = 0.776$ S/m; $\epsilon_r = 51.755$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 163.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.03 W/kg

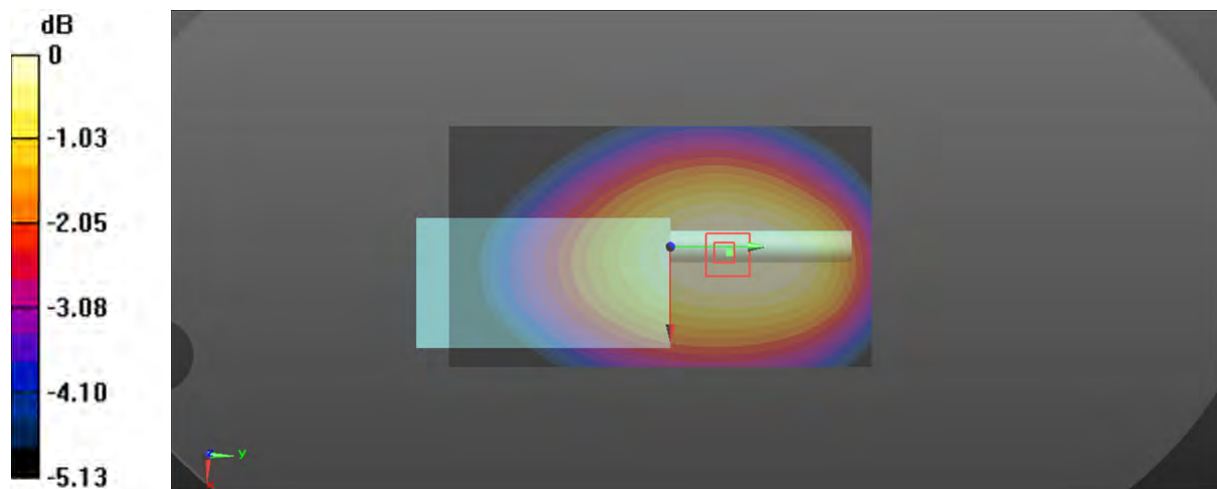
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.00 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.968 W/kg; SAR(10 g) = 0.794 W/kg

Maximum value of SAR (measured) = 1.00 W/kg



0 dB = 1.00 W/kg = 0.00 dBW/kg

Plot 5#: FM 25kHz_136.0125MHz_Face Up_Antenna 1**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.729$ S/m; $\epsilon_r = 52.718$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.367 W/kg

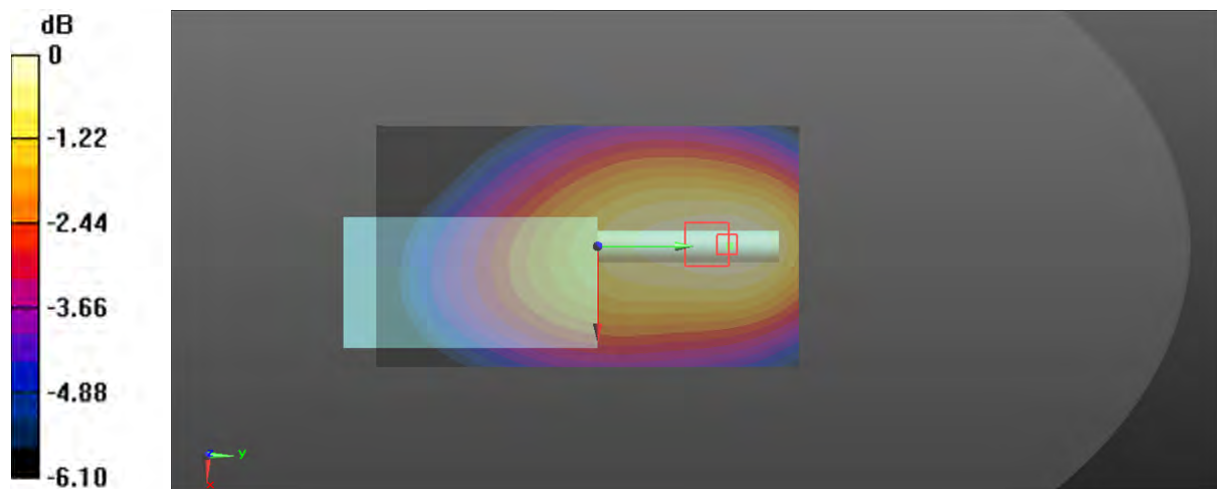
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.05 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.470 W/kg

SAR(1 g) = 0.354 W/kg; SAR(10 g) = 0.281 W/kg

Maximum value of SAR (measured) = 0.367 W/kg



0 dB = 0.367 W/kg = -4.35 dBW/kg

Plot 6#: FM 25kHz_144.0125MHz_Face Up_Antenna 2**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 144.012$ MHz; $\sigma = 0.733$ S/m; $\epsilon_r = 52.548$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 144.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.425 W/kg

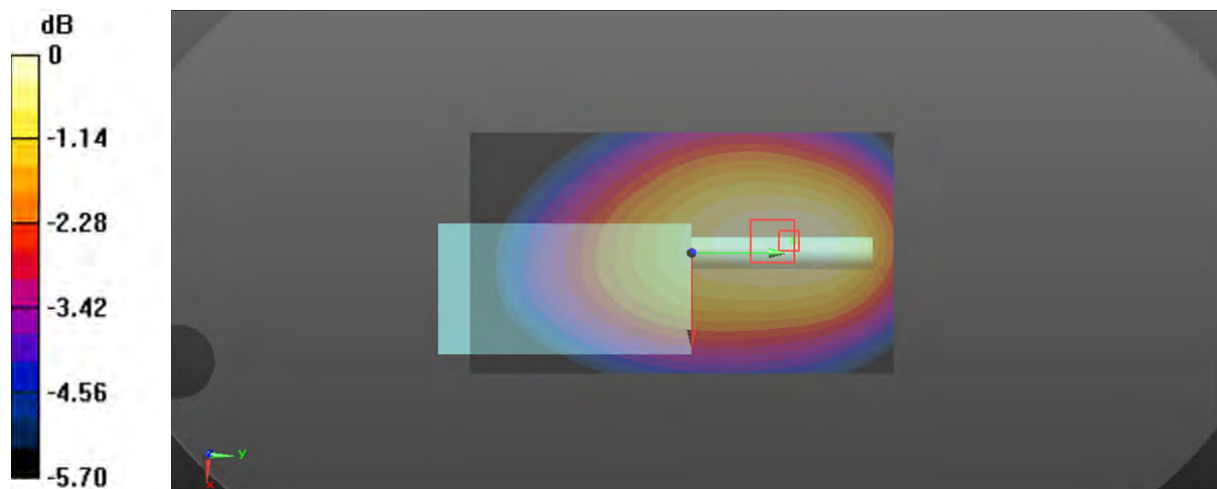
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.92 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.533 W/kg

SAR(1 g) = 0.413 W/kg; SAR(10 g) = 0.333 W/kg

Maximum value of SAR (measured) = 0.427 W/kg



0 dB = 0.427 W/kg = -3.70 dBW/kg

Plot 7#: FM 25kHz_153.0125MHz_Face Up_Antenna 3**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.753$ S/m; $\epsilon_r = 51.942$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 153.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.542 W/kg

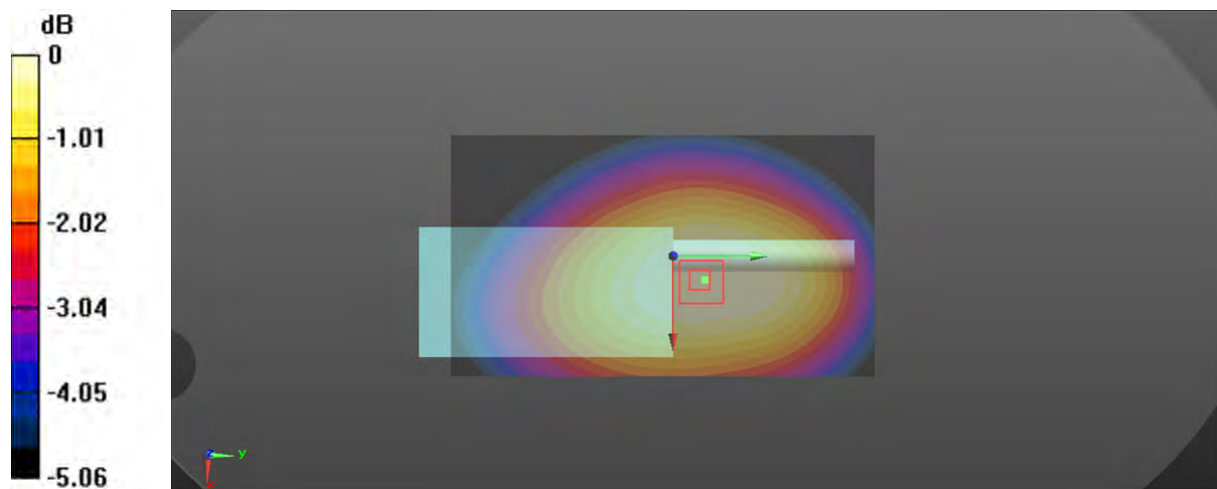
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.77 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.621 W/kg

SAR(1 g) = 0.505 W/kg; SAR(10 g) = 0.414 W/kg

Maximum value of SAR (measured) = 0.521 W/kg



0 dB = 0.521 W/kg = -2.83 dBW/kg

Plot 8#: FM 25kHz_163.0125MHz_Face Up_Antenna 4**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 163.012$ MHz; $\sigma = 0.776$ S/m; $\epsilon_r = 51.755$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 163.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.972 W/kg

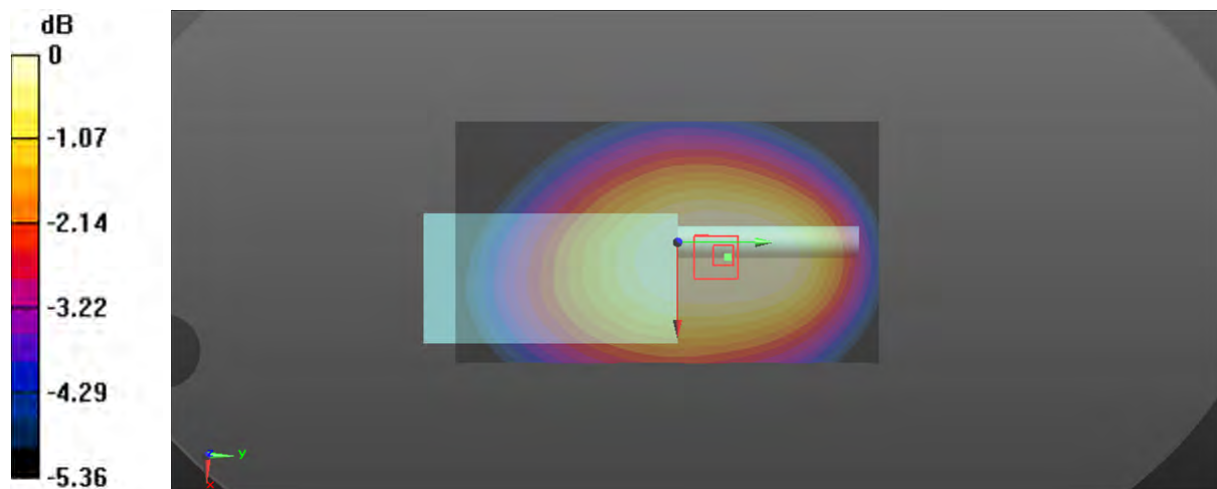
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.48 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.871 W/kg; SAR(10 g) = 0.710 W/kg

Maximum value of SAR (measured) = 0.901 W/kg



0 dB = 0.901 W/kg = -0.45 dBW/kg

Plot 9#: 4FSK 12.5kHz_136.012MHz_Face Up_Antenna 1**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.729$ S/m; $\epsilon_r = 52.718$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.158 W/kg

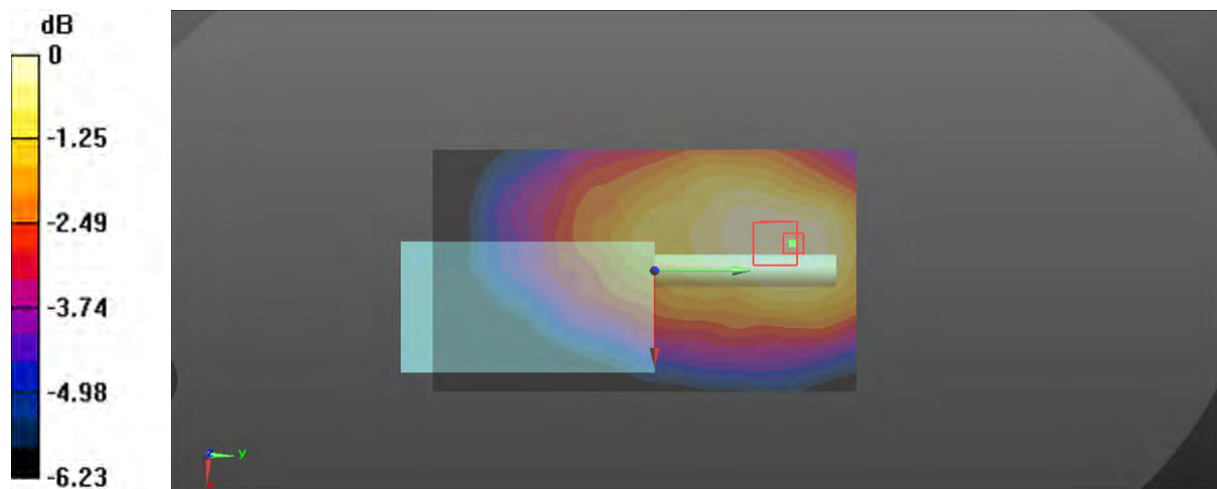
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.79 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.216 W/kg

SAR(1 g) = 0.156 W/kg; SAR(10 g) = 0.123 W/kg

Maximum value of SAR (measured) = 0.166 W/kg



0 dB = 0.166 W/kg = -7.80 dBW/kg

Plot 10#: 4FSK 12.5kHz_144.0125MHz_Face Up_Antenna 2**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 144.012$ MHz; $\sigma = 0.733$ S/m; $\epsilon_r = 52.548$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 144.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.218 W/kg

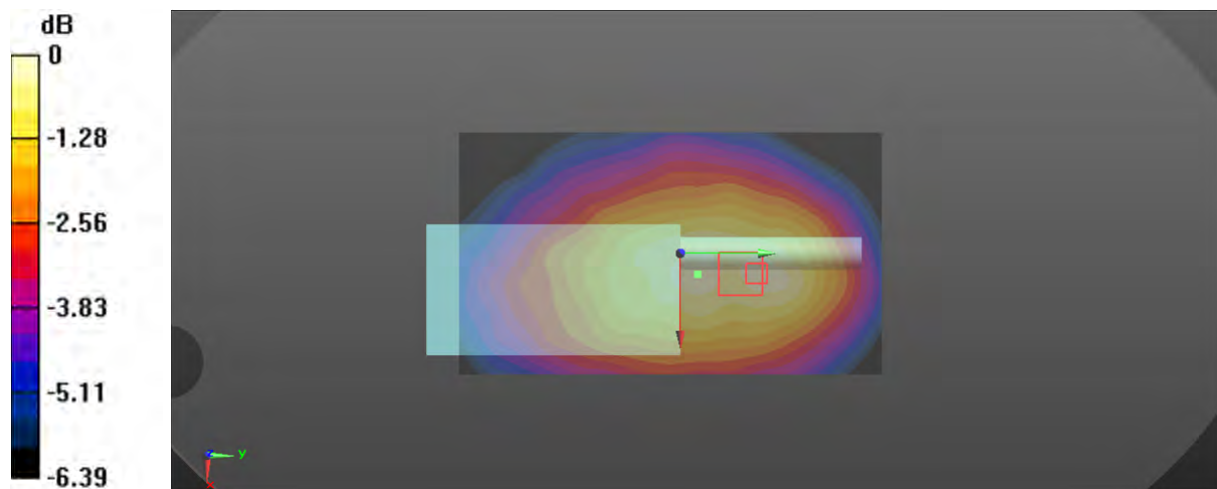
Zoom Scan (6x8x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.16 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.296 W/kg

SAR(1 g) = 0.217 W/kg; SAR(10 g) = 0.169 W/kg

Maximum value of SAR (measured) = 0.231 W/kg



0 dB = 0.231 W/kg = -6.36 dBW/kg

Plot 11#: 4FSK 12.5kHz_153.0125MHz_Face Up_Antenna 3**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.753$ S/m; $\epsilon_r = 51.942$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 153.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.351 W/kg

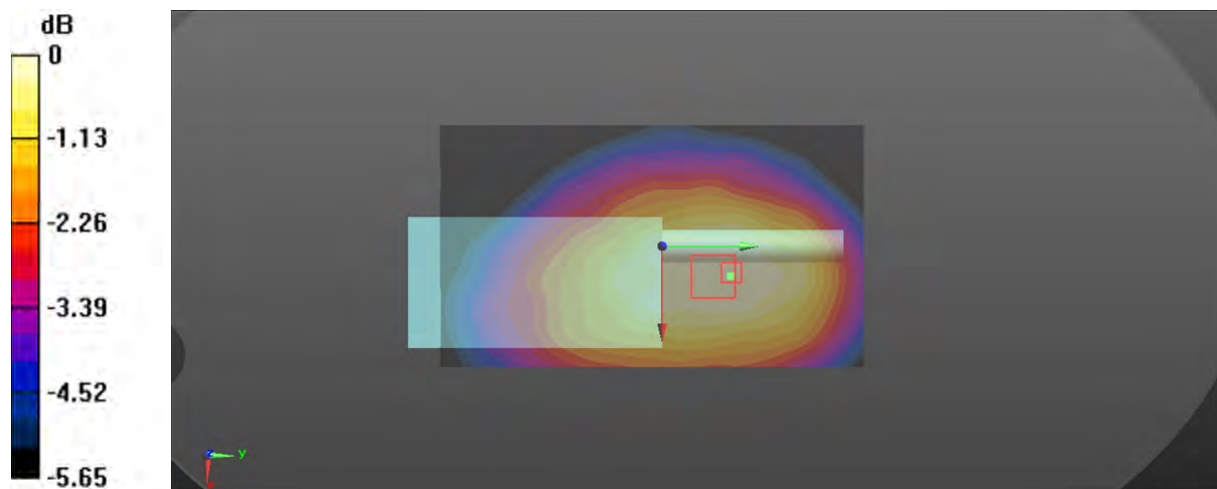
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.45 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.419 W/kg

SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.254 W/kg

Maximum value of SAR (measured) = 0.334 W/kg



0 dB = 0.334 W/kg = -4.76 dBW/kg

Plot 12#: 4FSK 12.5kHz_163.0125MHz_Face Up_Antenna 4**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 163.012$ MHz; $\sigma = 0.776$ S/m; $\epsilon_r = 51.755$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 163.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.521 W/kg

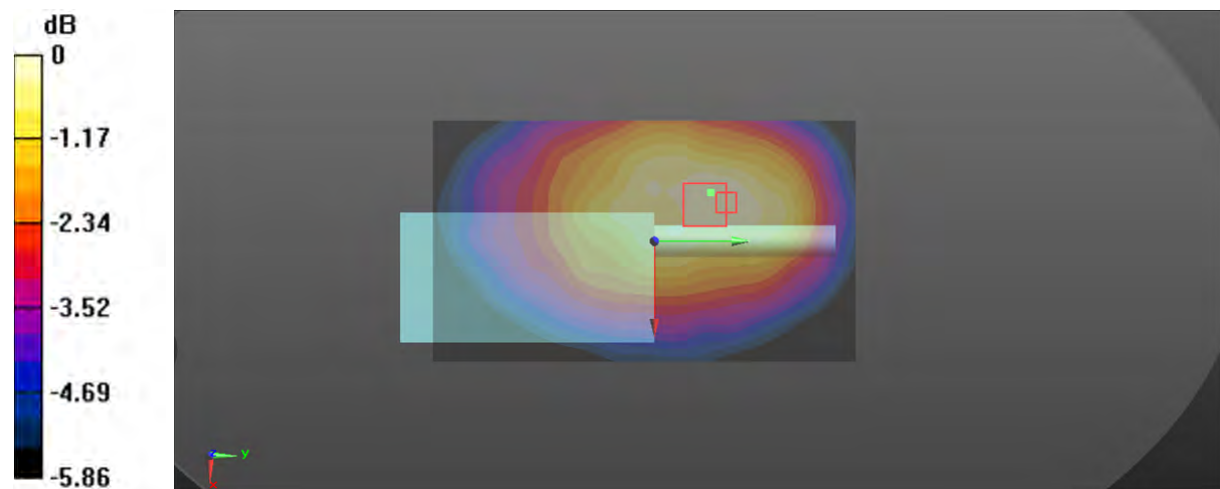
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.51 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.664 W/kg

SAR(1 g) = 0.495 W/kg; SAR(10 g) = 0.396 W/kg

Maximum value of SAR (measured) = 0.527 W/kg



0 dB = 0.527 W/kg = -2.78 dBW/kg

Plot 13#: FM 12.5kHz_136.0125MHz_Body Back_Antenna 1**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.758$ S/m; $\epsilon_r = 62.367$; $\rho = 1000$ 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

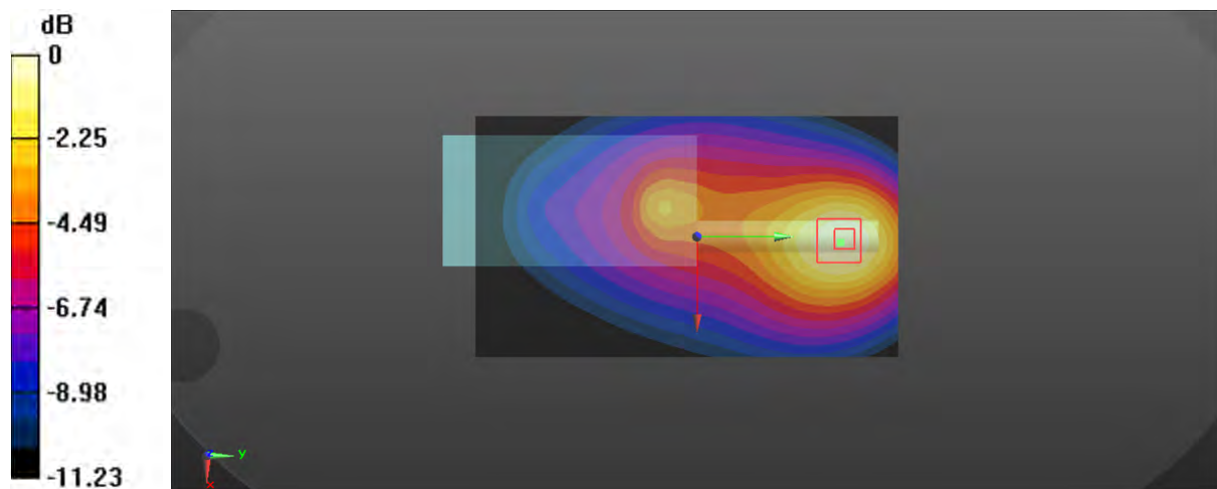
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 42.29 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 5.71 W/kg

SAR(1 g) = 3.09 W/kg; SAR(10 g) = 1.92 W/kg

Maximum value of SAR (measured) = 3.25 W/kg



0 dB = 3.25 W/kg = 5.12 dBW/kg

Plot 14#: FM 12.5kHz_140.5MHz_Body Back_Antenna 1**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

Communication System: FM; Frequency: 140.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 140.5$ MHz; $\sigma = 0.763$ S/m; $\epsilon_r = 62.286$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 140.5 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 (81x141x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.53 W/kg

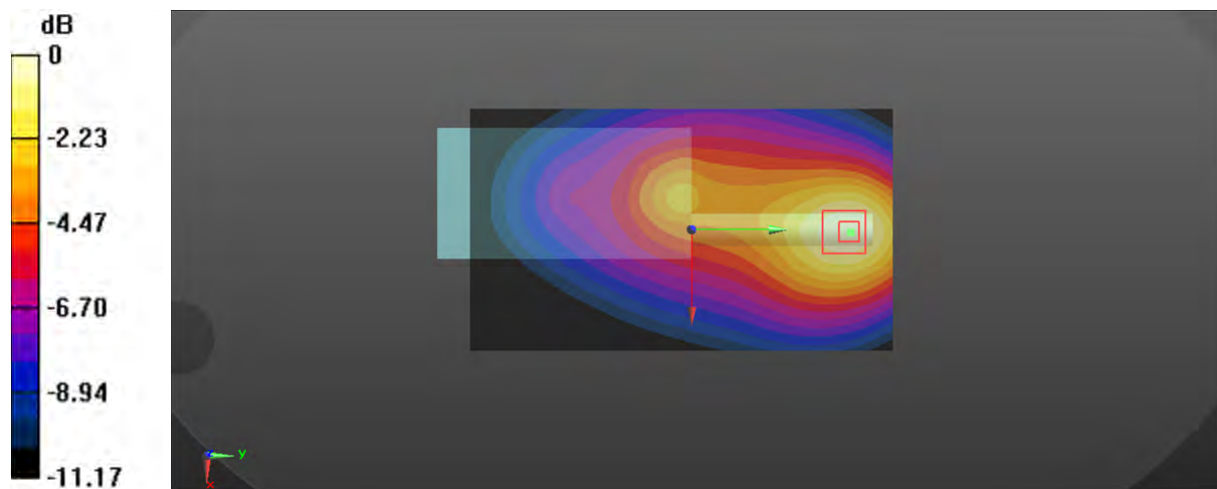
Zoom Scan (6x7x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 27.93 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 2.57 W/kg

SAR(1 g) = 1.45 W/kg; SAR(10 g) = 0.925 W/kg

Maximum value of SAR (measured) = 1.53 W/kg



0 dB = 1.53 W/kg = 1.85 dBW/kg

Plot 15#: FM 12.5kHz_144.9875MHz_Body Back _Antenna 1**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 144.988$ MHz; $\sigma = 0.778$ S/m; $\epsilon_r = 62.182$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 144.988 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.757 W/kg

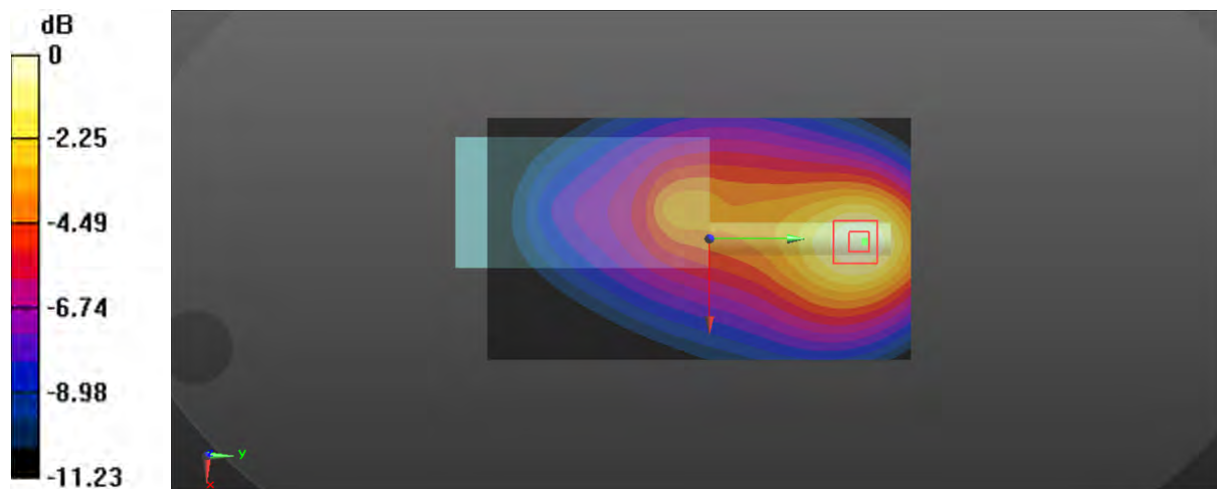
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.73 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 0.723 W/kg; SAR(10 g) = 0.456 W/kg

Maximum value of SAR (measured) = 0.759 W/kg



0 dB = 0.759 W/kg = -1.20 dBW/kg

Plot 16#: FM 12.5kHz_144.0125MHz_Body Back _Antenna 2**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 144.012$ MHz; $\sigma = 0.772$ S/m; $\epsilon_r = 62.215$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 144.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

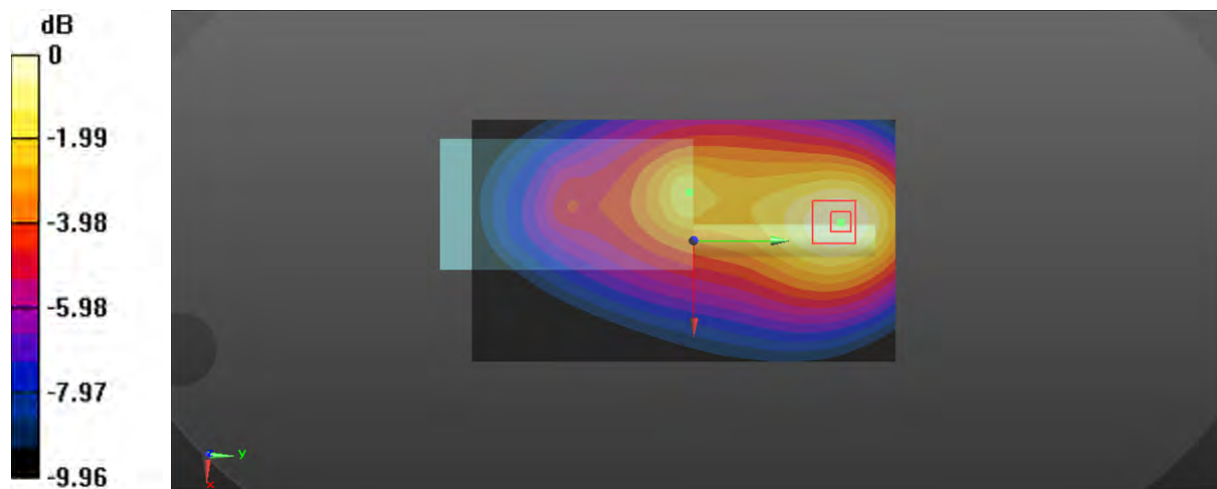
Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 45.30 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 4.93 W/kg

SAR(1 g) = 2.98 W/kg; SAR(10 g) = 2 W/kg

Maximum value of SAR (measured) = 3.15 W/kg



0 dB = 3.15 W/kg = 4.98 dBW/kg

Plot 17#: FM 12.5kHz_149MHz_Body Back_Antenna 2**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 149$ MHz; $\sigma = 0.788$ S/m; $\epsilon_r = 62.124$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 149 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 (81x141x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

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

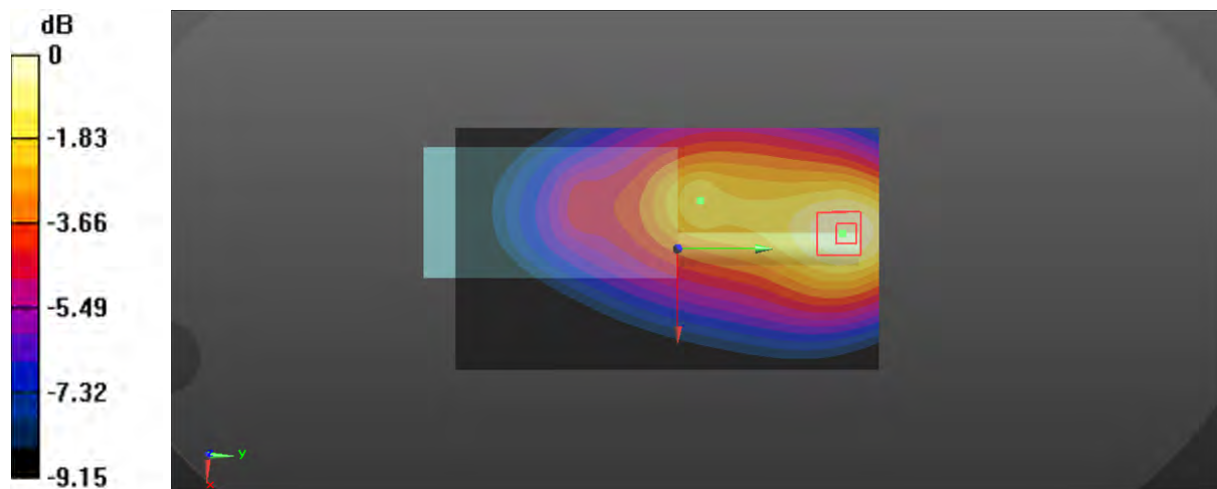
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 30.76 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.86 W/kg

SAR(1 g) = 1.77 W/kg; SAR(10 g) = 1.21 W/kg

Maximum value of SAR (measured) = 1.86 W/kg



0 dB = 1.86 W/kg = 2.70 dBW/kg

Plot 18#: FM 12.5kHz_153.9875MHz_ Body Back _Antenna 2**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

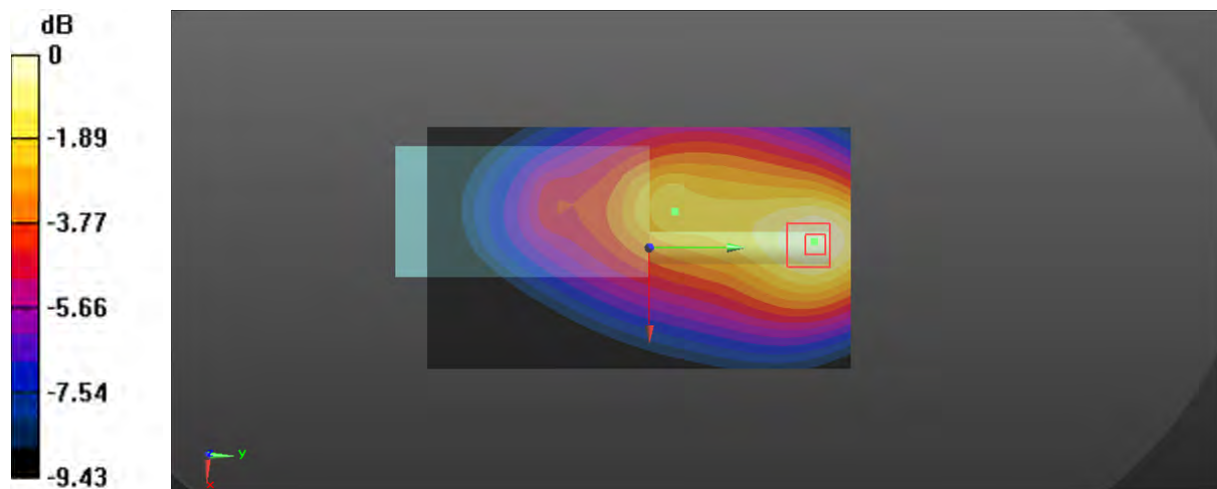
Communication System: FM; Frequency: 153.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.988 \text{ MHz}$; $\sigma = 0.807 \text{ S/m}$; $\epsilon_r = 61.847$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 153.988 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 (81x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 1.73 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 31.45 V/m ; Power Drift = 0.11 dB Peak SAR (extrapolated) = 2.59 W/kg **SAR(1 g) = 1.61 W/kg ; SAR(10 g) = 1.11 W/kg** Maximum value of SAR (measured) = 1.69 W/kg  $0 \text{ dB} = 1.69 \text{ W/kg} = 2.28 \text{ dBW/kg}$

Plot 19#: FM 12.5kHz_153.0125MHz_ Body Back _Antenna 3**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.802$ S/m; $\epsilon_r = 61.876$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 153.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.07 W/kg

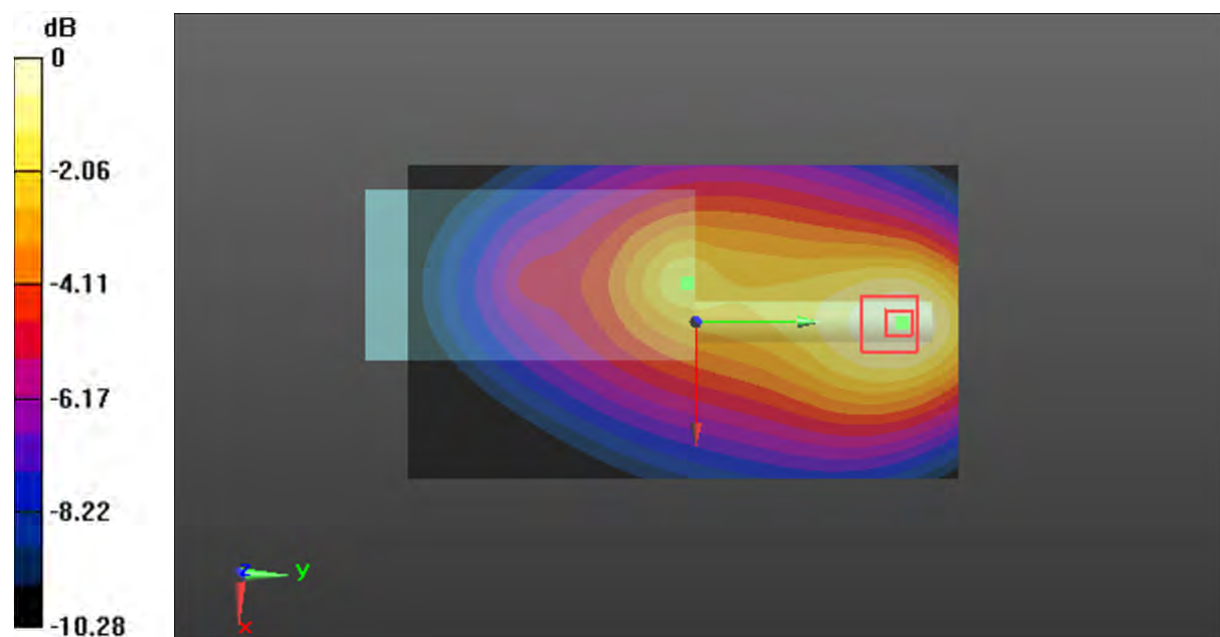
Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.88 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 6.24 W/kg

SAR(1 g) = 3.75 W/kg; SAR(10 g) = 2.52 W/kg

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



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

Plot 20#: FM 12.5kHz_158.5MHz_Body Back _Antenna 3**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

Communication System: FM; Frequency: 158.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 158.5$ MHz; $\sigma = 0.819$ S/m; $\epsilon_r = 61.741$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 158.5 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.90 W/kg

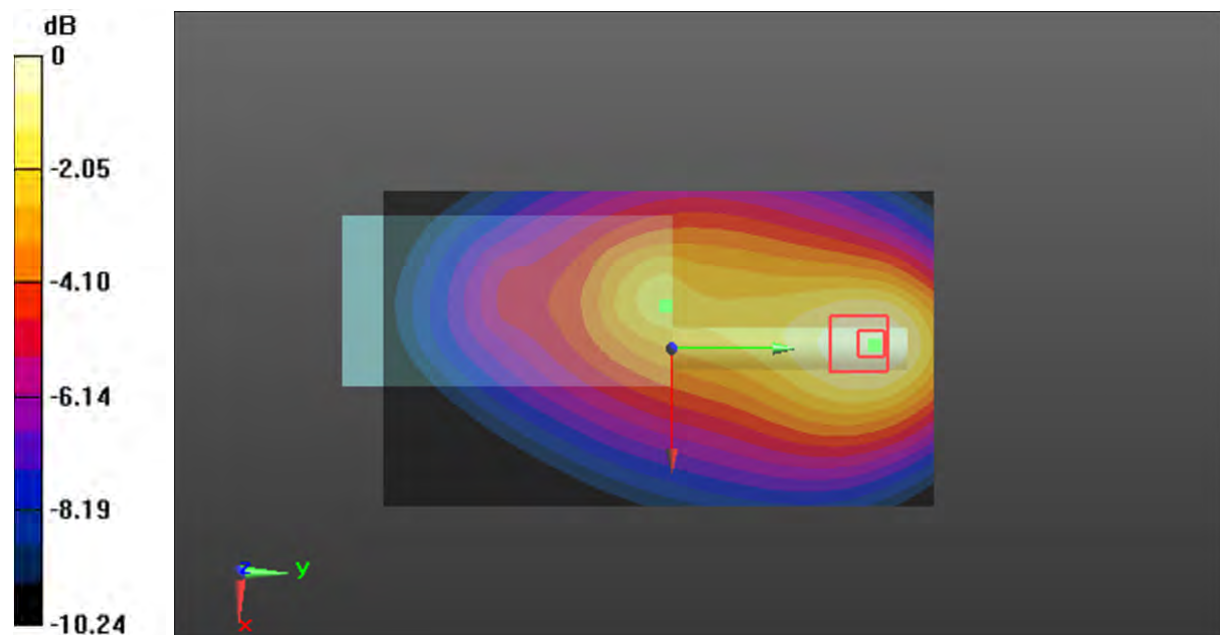
Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 42.63 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 4.46 W/kg

SAR(1 g) = 2.68 W/kg; SAR(10 g) = 1.8 W/kg

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



0 dB = 2.83 W/kg = 4.52 dBW/kg

Plot 21#: FM 12.5kHz_163.9875MHz_Body Back _Antenna 3**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 163.988$ MHz; $\sigma = 0.828$ S/m; $\epsilon_r = 61.587$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 163.988 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.07 W/kg

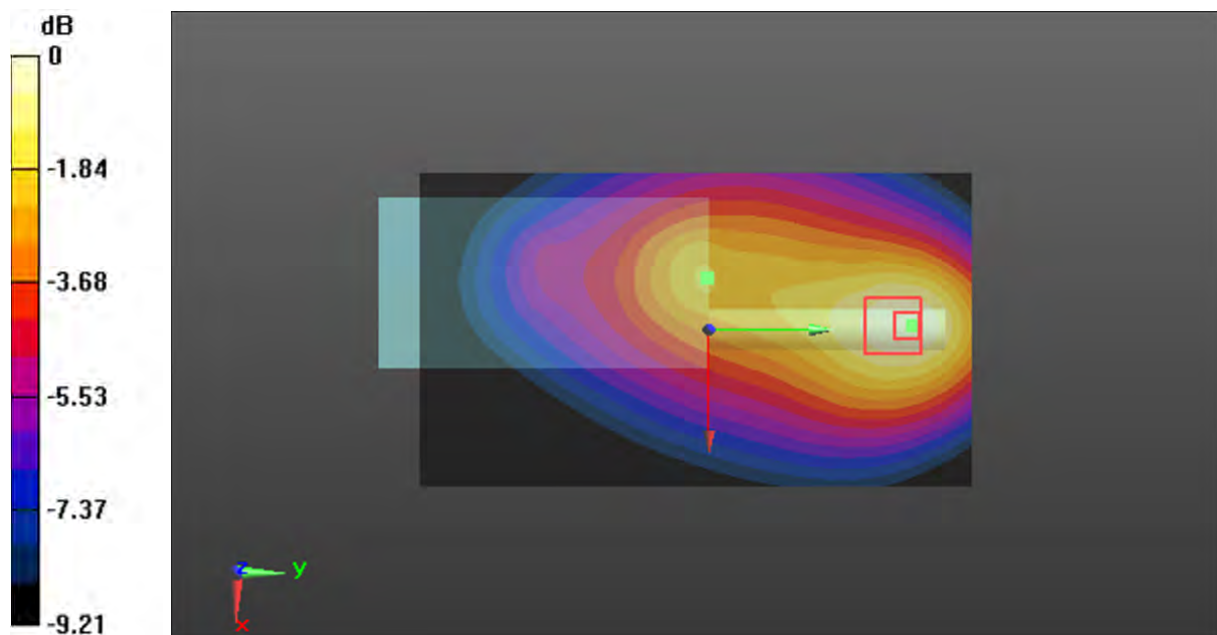
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.27 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.688 W/kg

Maximum value of SAR (measured) = 1.07 W/kg



0 dB = 1.07 W/kg = 0.29 dBW/kg

Plot 22#: FM 12.5kHz_163.0125MHz_Body Back _Antenna 4**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 163.012$ MHz; $\sigma = 0.822$ S/m; $\epsilon_r = 61.675$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 163.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.91 W/kg

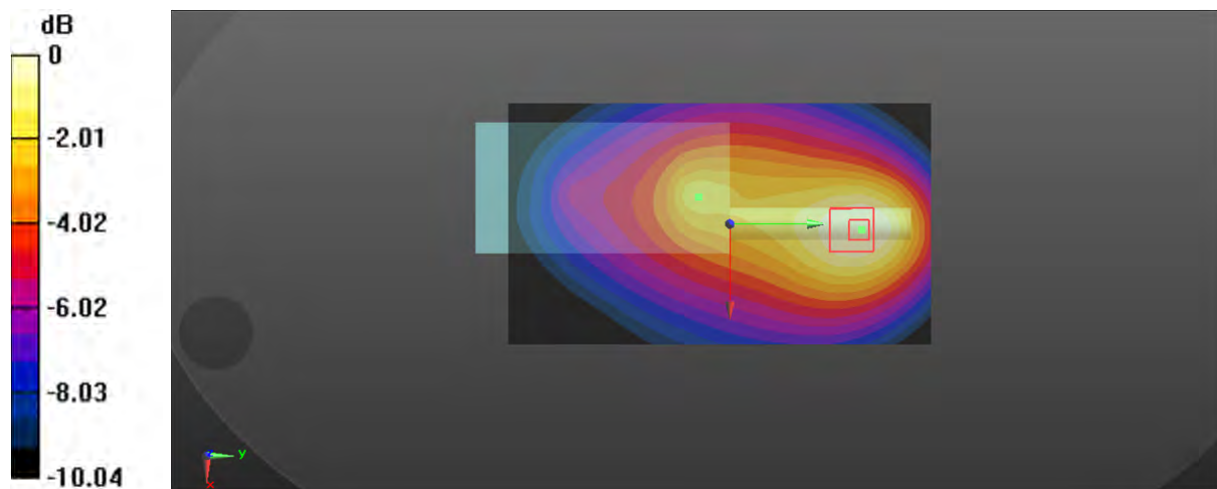
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.68 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 5.83 W/kg

SAR(1 g) = 3.47 W/kg; SAR(10 g) = 2.33 W/kg

Maximum value of SAR (measured) = 3.66 W/kg



0 dB = 3.66 W/kg = 5.63 dBW/kg

Plot 23#: FM 12.5kHz_168.5MHz_Body Back_Antenna 4**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

Communication System: FM; Frequency: 168.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 168.5$ MHz; $\sigma = 0.841$ S/m; $\epsilon_r = 61.424$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 168.5 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

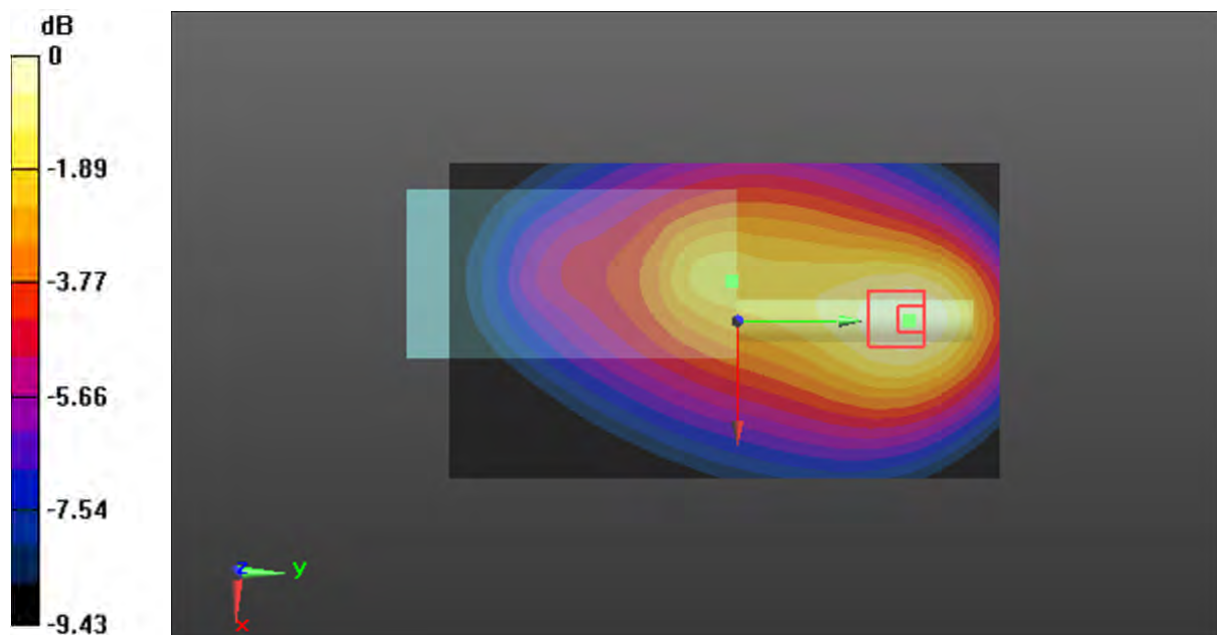
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.31 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.49 W/kg

SAR(1 g) = 1.52 W/kg; SAR(10 g) = 1.05 W/kg

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



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

Plot 24#: FM 12.5kHz_173.9875MHz_Body Back_Antenna 4**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 173.988$ MHz; $\sigma = 0.848$ S/m; $\epsilon_r = 61.367$; $\rho = 1000$ 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

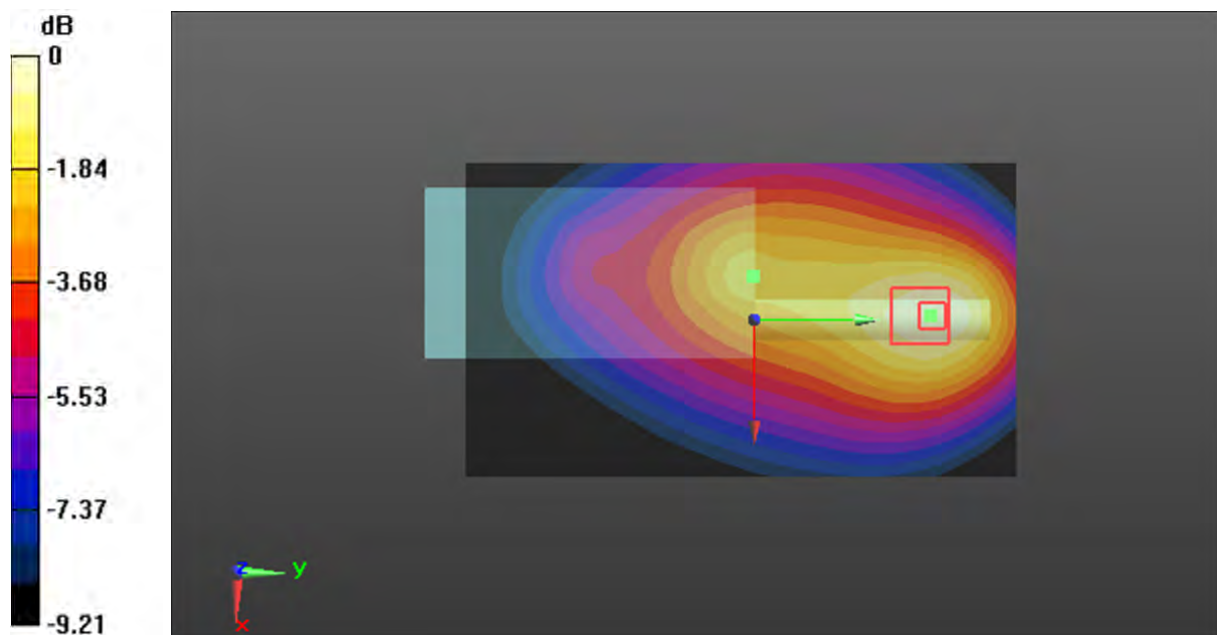
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.91 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.760 W/kg

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



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

Plot 25#: FM 25kHz_136.0125MHz_Body Back _Antenna 1**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.758$ S/m; $\epsilon_r = 62.367$; $\rho = 1000$ 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

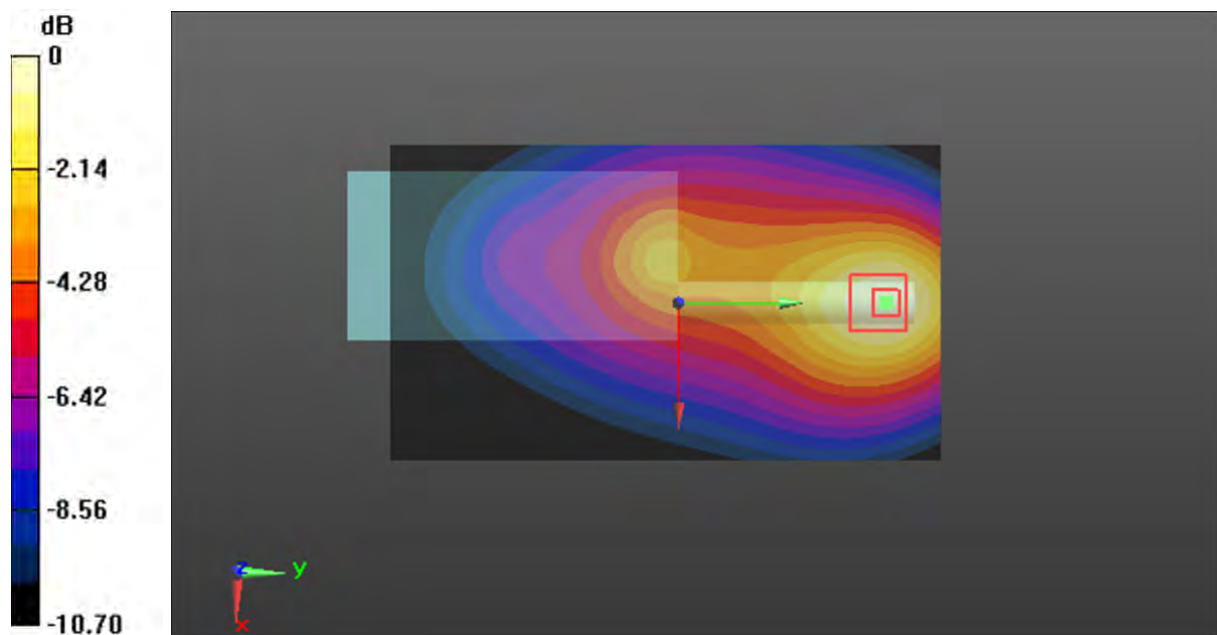
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 40.58 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 4.87 W/kg

SAR(1 g) = 2.75 W/kg; SAR(10 g) = 1.76 W/kg

Maximum value of SAR (measured) = 2.90 W/kg



0 dB = 2.90 W/kg = 4.62 dBW/kg

Plot 26#: FM 25kHz_144.0125MHz_Body Back _Antenna 2**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 144.012$ MHz; $\sigma = 0.772$ S/m; $\epsilon_r = 62.215$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 144.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.85 W/kg

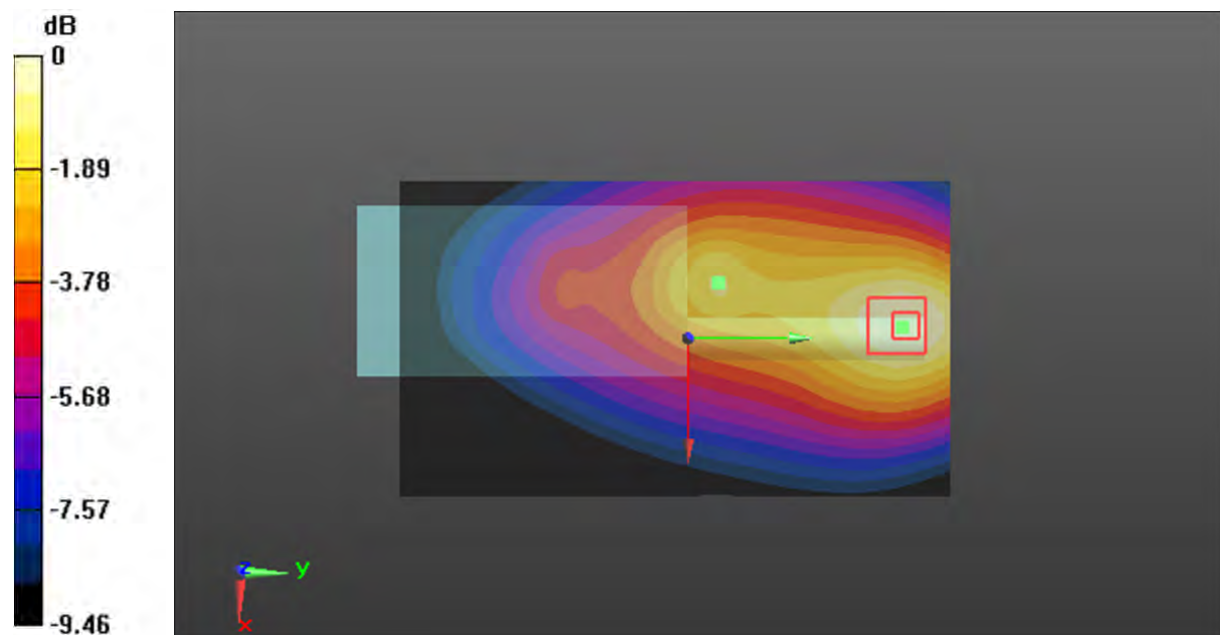
Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 40.17 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 4.35 W/kg

SAR(1 g) = 2.67 W/kg; SAR(10 g) = 1.82 W/kg

Maximum value of SAR (measured) = 2.80 W/kg



0 dB = 2.80 W/kg = 4.47 dBW/kg

Plot 27#: FM 25kHz_153.0125MHz_Body Back _Antenna 3**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.802$ S/m; $\epsilon_r = 61.876$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 153.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

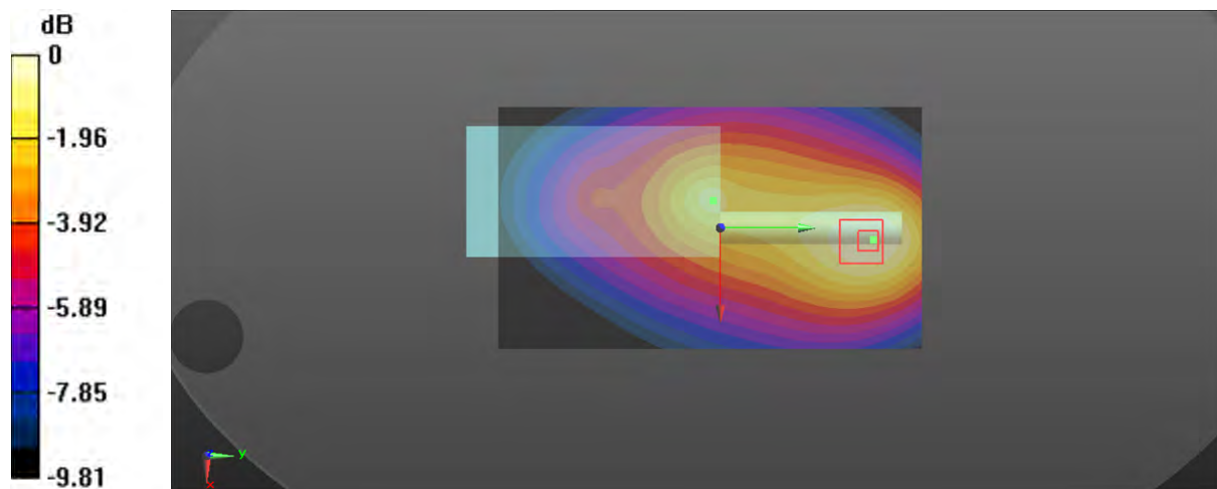
Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 54.07 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 5.41 W/kg

SAR(1 g) = 3.34 W/kg; SAR(10 g) = 2.28 W/kg

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



0 dB = 3.51 W/kg = 5.45 dBW/kg

Plot 28#: FM 25kHz_163.0125MHz_Body Back _Antenna 4**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 163.012$ MHz; $\sigma = 0.822$ S/m; $\epsilon_r = 61.675$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 163.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

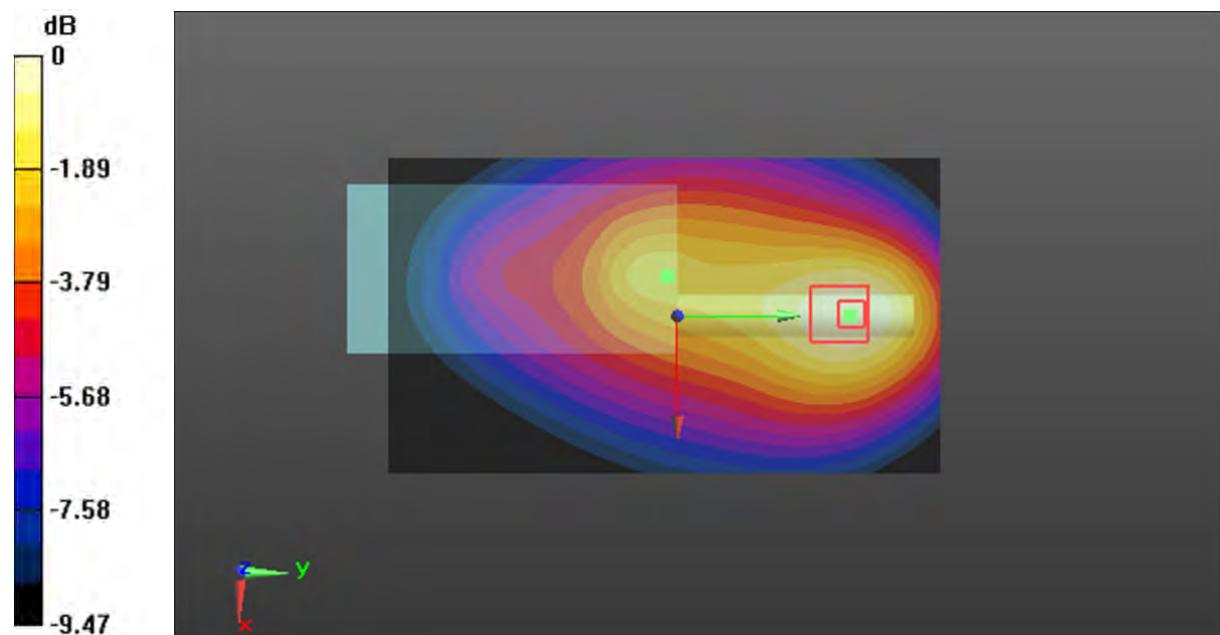
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 50.08 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 5.14 W/kg

SAR(1 g) = 3.13 W/kg; SAR(10 g) = 2.13 W/kg

Maximum value of SAR (measured) = 3.30 W/kg



0 dB = 3.30 W/kg = 5.19 dBW/kg

Plot 29#: 4FSK 12.5kHz_136.0125MHz_Body Back_Antenna 1**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.758$ S/m; $\epsilon_r = 62.367$; $\rho = 1000$ 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.33 W/kg

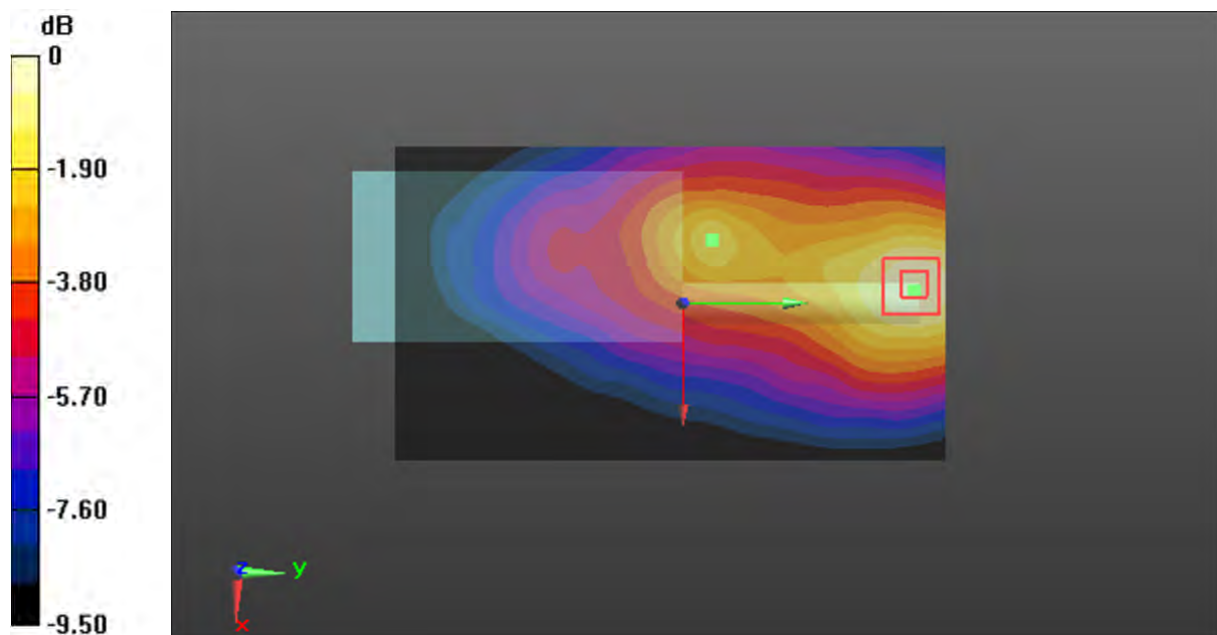
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.55 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.07 W/kg

SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.843 W/kg

Maximum value of SAR (measured) = 1.33 W/kg



0 dB = 1.33 W/kg = 1.24 dBW/kg

Plot 30#: 4FSK 12.5kHz_144.0125MHz_Body Back _Antenna 2**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 144.012$ MHz; $\sigma = 0.772$ S/m; $\epsilon_r = 62.215$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 144.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.74 W/kg

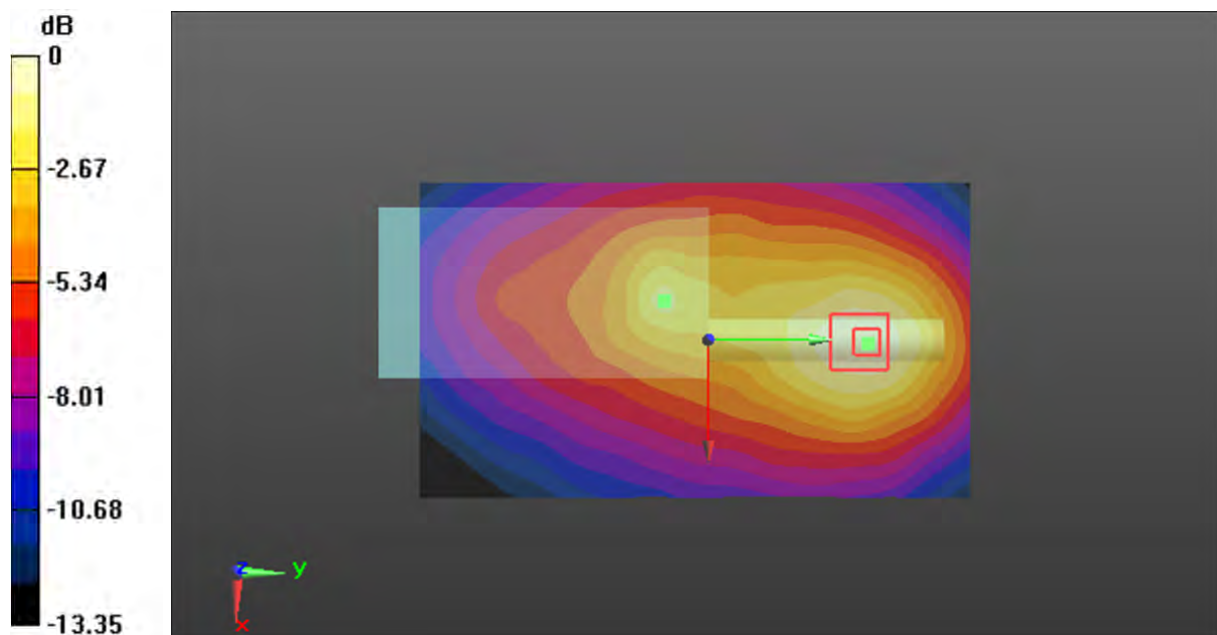
Zoom Scan (7x10x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.46 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 3.03 W/kg

SAR(1 g) = 1.72 W/kg; SAR(10 g) = 1.13 W/kg

Maximum value of SAR (measured) = 1.84 W/kg



0 dB = 1.84 W/kg = 2.65 dBW/kg

Plot 31#: 4FSK 12.5kHz_153.0125MHz_Body Back_Antenna 3**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.802$ S/m; $\epsilon_r = 61.876$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 153.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.90 W/kg

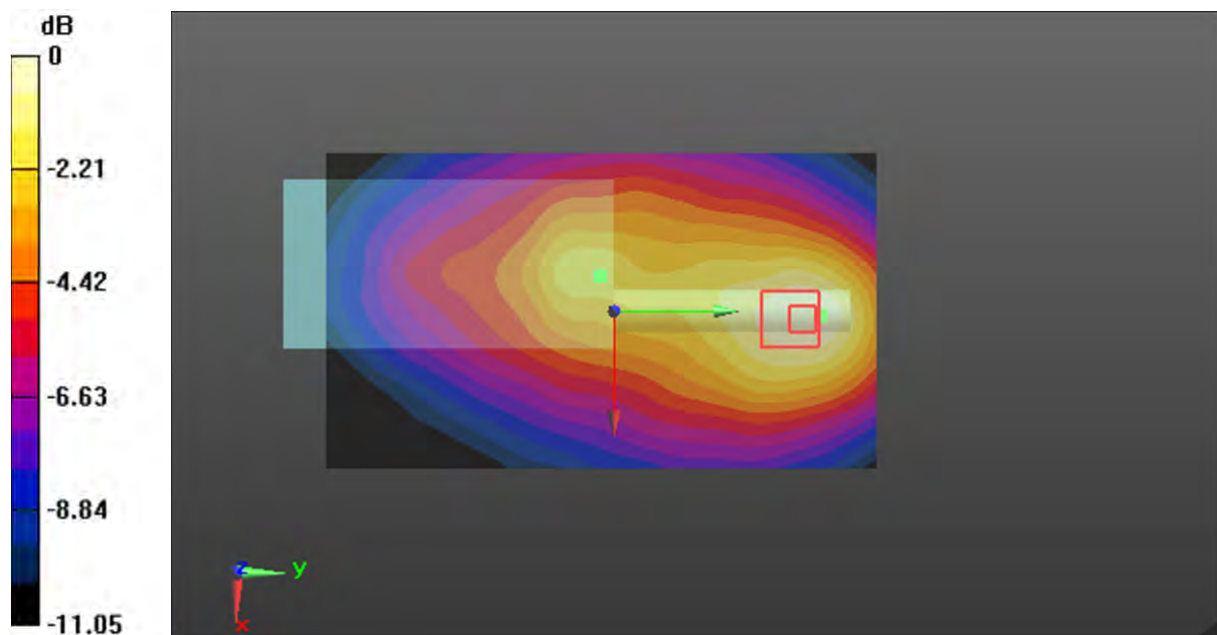
Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.04 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.21 W/kg

SAR(1 g) = 1.83 W/kg; SAR(10 g) = 1.22 W/kg

Maximum value of SAR (measured) = 1.91 W/kg



0 dB = 1.91 W/kg = 2.81 dBW/kg

Plot 32#: 4FSK 12.5kHz_163.0125MHz_Body Back _Antenna 4**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 163.012$ MHz; $\sigma = 0.822$ S/m; $\epsilon_r = 61.675$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 163.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.98 W/kg

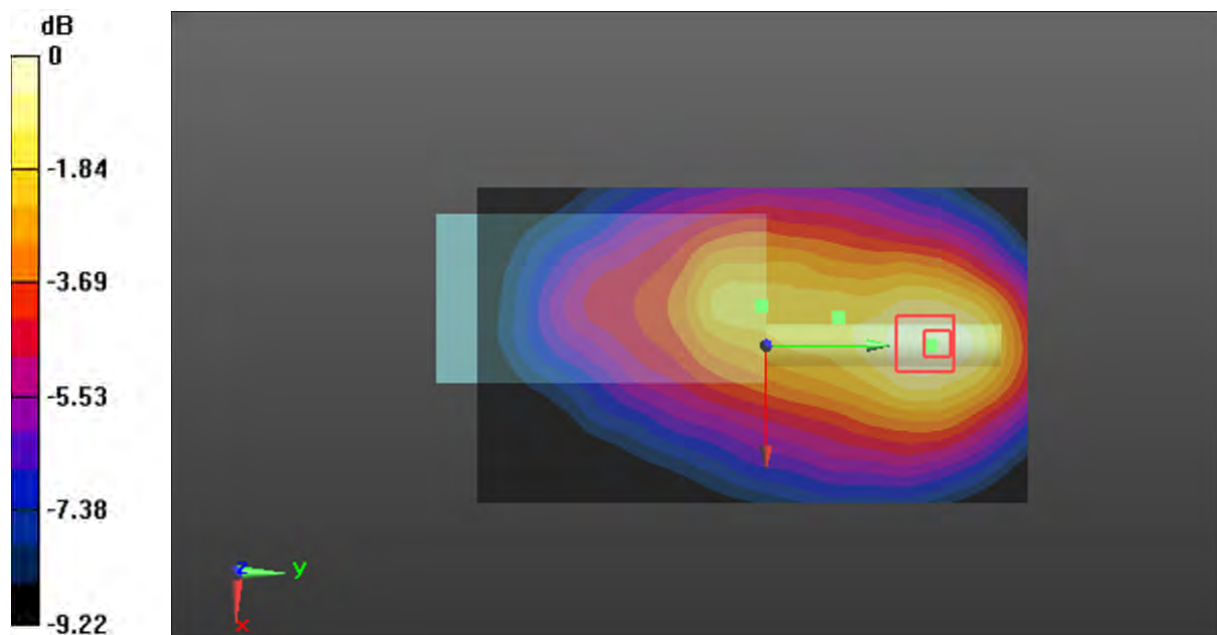
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.48 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 3.00 W/kg

SAR(1 g) = 1.82 W/kg; SAR(10 g) = 1.25 W/kg

Maximum value of SAR (measured) = 1.94 W/kg



0 dB = 1.94 W/kg = 2.88 dBW/kg

Plot 33#: FM 12.5kHz_136.0125MHz_Face Up_Antenna 1**DUT: Two Way Radio; Type: T03-00312-BBEA; Serial: CR22030024-SA-S2**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.729$ S/m; $\epsilon_r = 52.718$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.494 W/kg

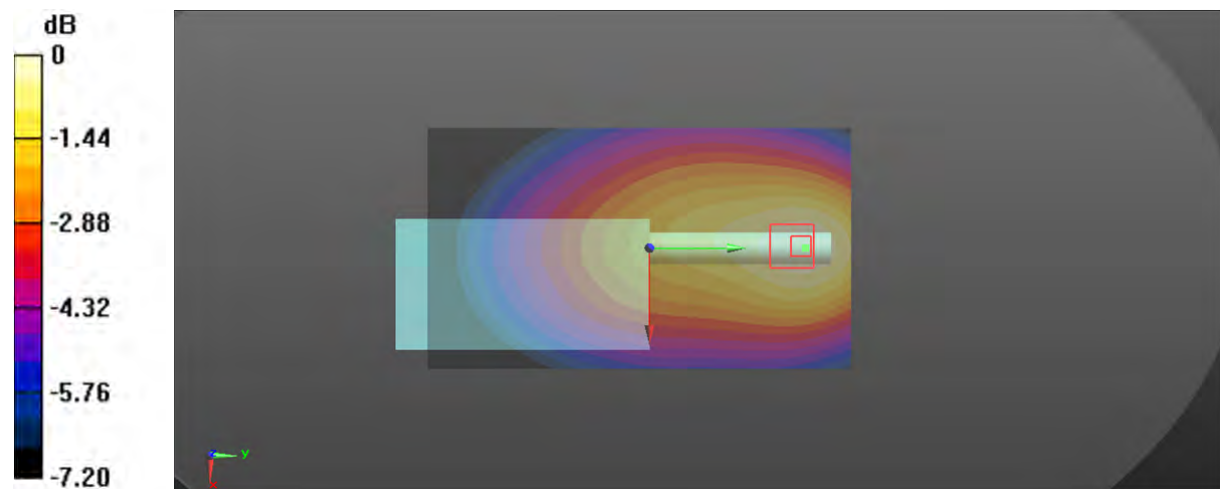
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.99 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.673 W/kg

SAR(1 g) = 0.477 W/kg; SAR(10 g) = 0.359 W/kg

Maximum value of SAR (measured) = 0.498 W/kg



0 dB = 0.498 W/kg = -3.03 dBW/kg

Plot 34#: FM 12.5kHz_144.0125MHz_Face Up_Antenna 2**DUT: Two Way Radio; Type: T03-00312-BBEA; Serial: CR22030024-SA-S2**

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

Medium parameters used: $f = 144.012$ MHz; $\sigma = 0.733$ S/m; $\epsilon_r = 52.548$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 144.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.436 W/kg

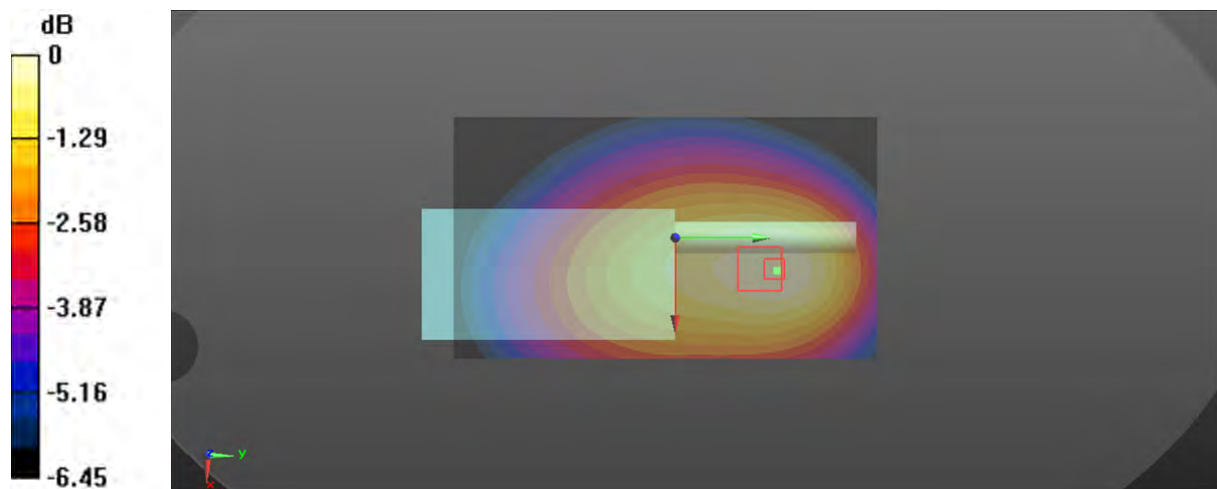
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.15 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.567 W/kg

SAR(1 g) = 0.420 W/kg; SAR(10 g) = 0.327 W/kg

Maximum value of SAR (measured) = 0.437 W/kg



0 dB = 0.437 W/kg = -3.60 dBW/kg

Plot 35#: FM 12.5kHz_153.0125MHz_Face Up_Antenna 3**DUT: Two Way Radio; Type: T03-00312-BBEA; Serial: CR22030024-SA-S2**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.753$ S/m; $\epsilon_r = 51.942$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 153.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.463 W/kg

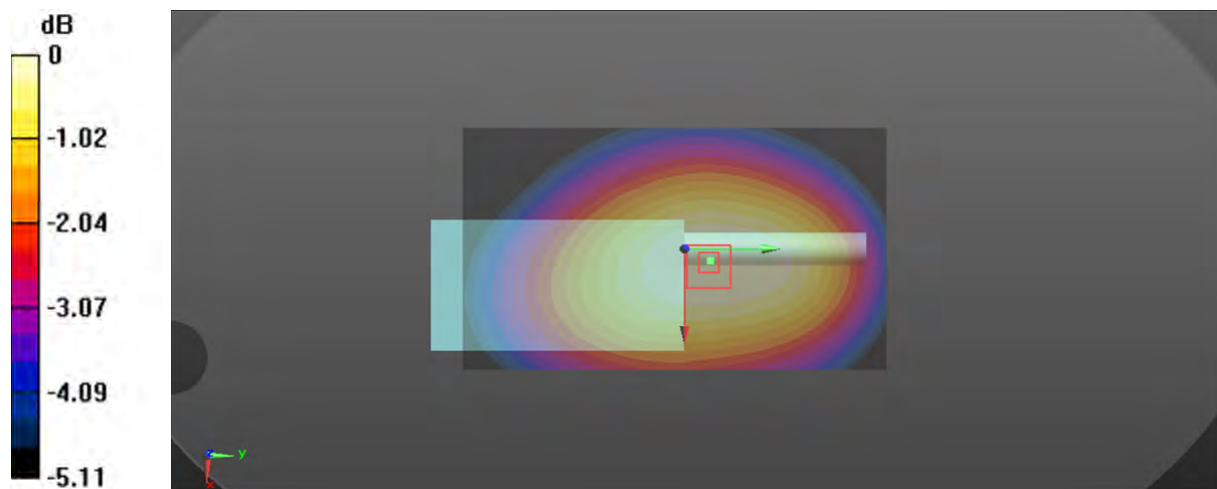
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.07 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.535 W/kg

SAR(1 g) = 0.436 W/kg; SAR(10 g) = 0.357 W/kg

Maximum value of SAR (measured) = 0.451 W/kg



0 dB = 0.451 W/kg = -3.46 dBW/kg

Plot 36#: FM 12.5kHz_163.0125MHz_Face Up_Antenna 4**DUT: Two Way Radio; Type: T03-00312-BBEA; Serial: CR22030024-SA-S2**

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

Medium parameters used: $f = 163.012$ MHz; $\sigma = 0.776$ S/m; $\epsilon_r = 51.755$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 163.012 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 (81x141x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.940 W/kg

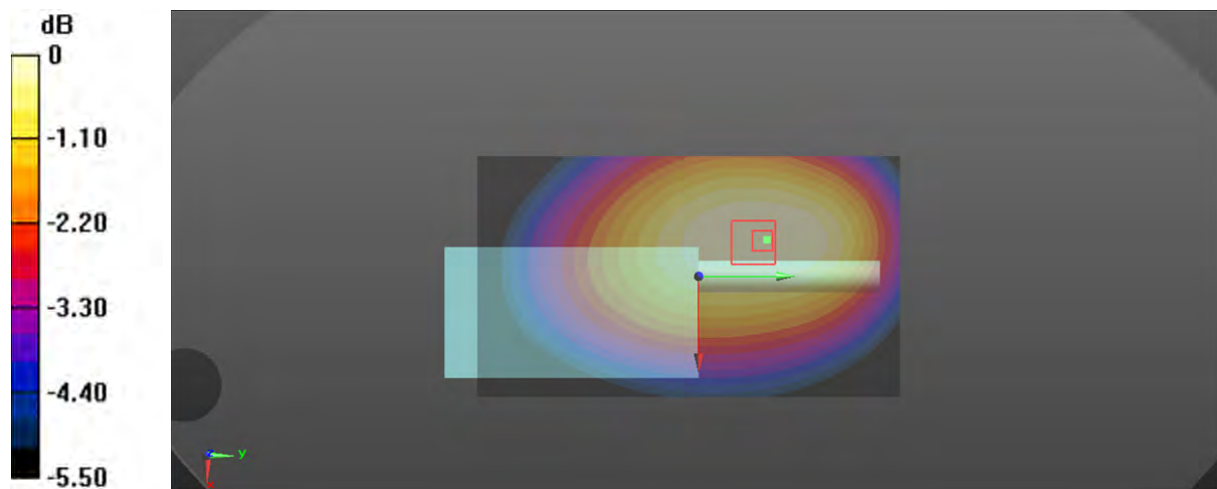
Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 32.82 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.11 W/kg

SAR(1 g) = 0.890 W/kg; SAR(10 g) = 0.730 W/kg

Maximum value of SAR (measured) = 0.920 W/kg



0 dB = 0.920 W/kg = -0.36 dBW/kg

Plot 37#: FM 12.5kHz_ 136.0125MHz_Body Back _Antenna 1**DUT: Two Way Radio; Type: T03-00312-BBEA; Serial: CR22030024-SA-S2**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.758$ S/m; $\epsilon_r = 62.367$; $\rho = 1000$ 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.18 W/kg

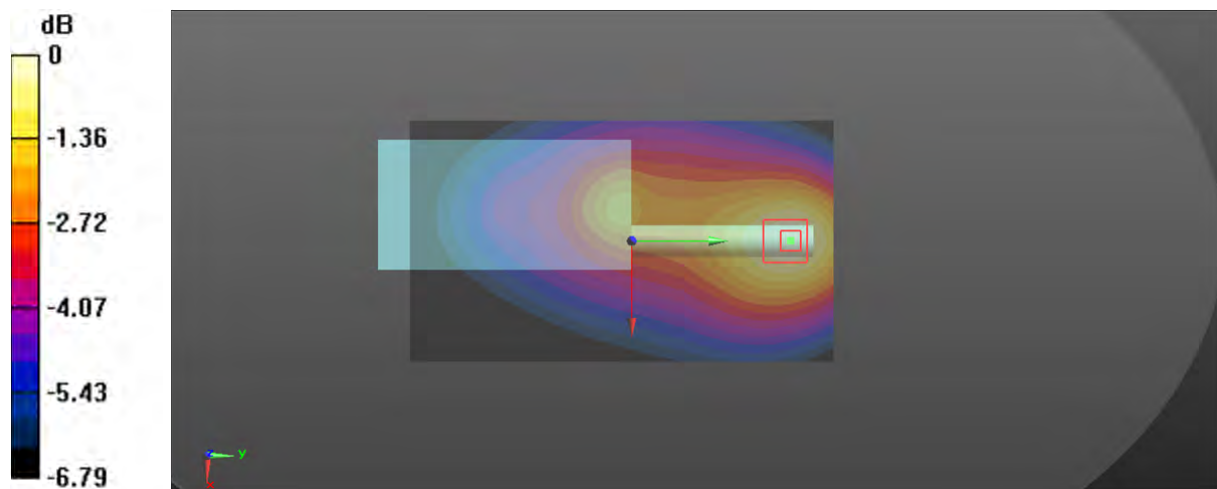
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.69 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 3.34 W/kg

SAR(1 g) = 2.07 W/kg; SAR(10 g) = 1.41 W/kg

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



0 dB = 2.17 W/kg = 3.36 dBW/kg

Plot 38#: FM 12.5kHz_144.0125MHz_Body Back _Antenna 2**DUT: Two Way Radio; Type: T03-00312-BBEA; Serial: CR22030024-SA-S2**

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

Medium parameters used: $f = 144.012$ MHz; $\sigma = 0.772$ S/m; $\epsilon_r = 62.215$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 144.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.07 W/kg

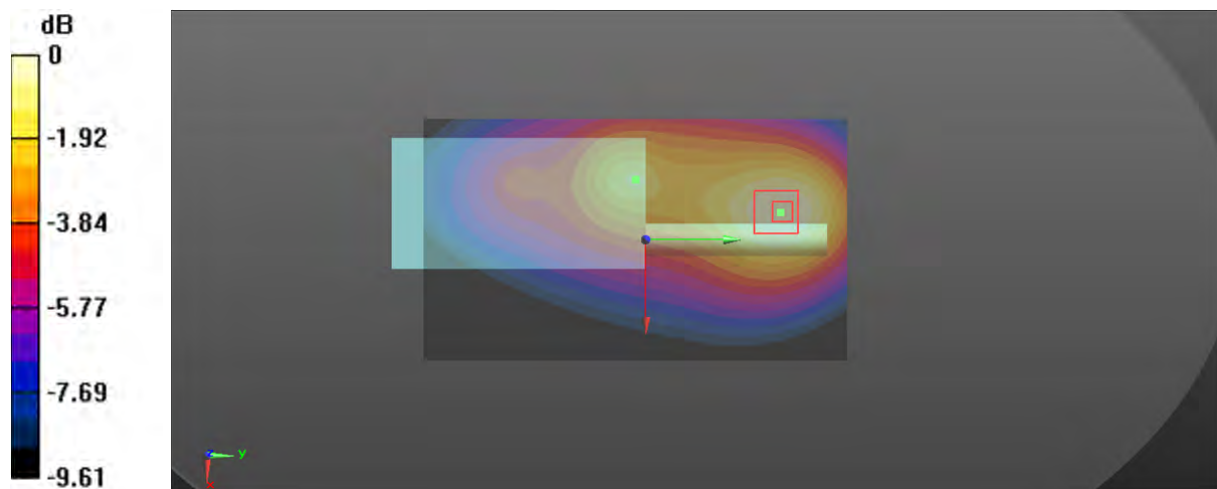
Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 41.47 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 4.70 W/kg

SAR(1 g) = 2.85 W/kg; SAR(10 g) = 1.93 W/kg

Maximum value of SAR (measured) = 3.00 W/kg



0 dB = 3.00 W/kg = 4.77 dBW/kg

Plot 39#: FM 12.5kHz_153.0125MHz_Body Back_Antenna 3**DUT: Two Way Radio; Type: T03-00312-BBEA; Serial: CR22030024-SA-S2**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.802$ S/m; $\epsilon_r = 61.876$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 153.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.02 W/kg

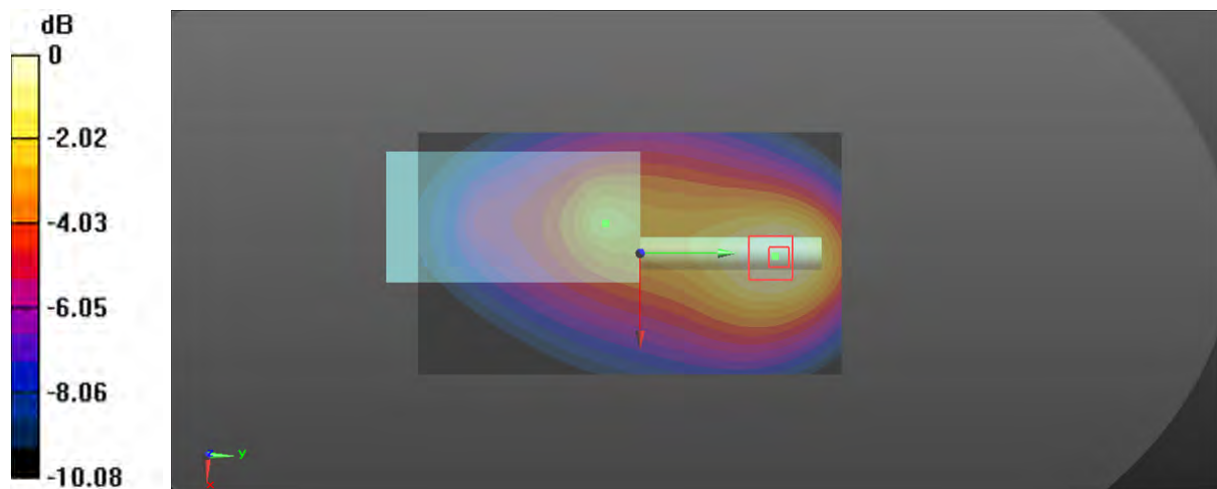
Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 53.94 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 6.21 W/kg

SAR(1 g) = 3.69 W/kg; SAR(10 g) = 2.47 W/kg

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



0 dB = 3.88 W/kg = 5.89 dBW/kg

Plot 40#: FM 12.5kHz_163.0125MHz_Body Back _Antenna 4**DUT: Two Way Radio; Type: T03-00312-BBEA; Serial: CR22030024-SA-S2**

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

Medium parameters used: $f = 163.012$ MHz; $\sigma = 0.822$ S/m; $\epsilon_r = 61.675$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 163.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.45 W/kg

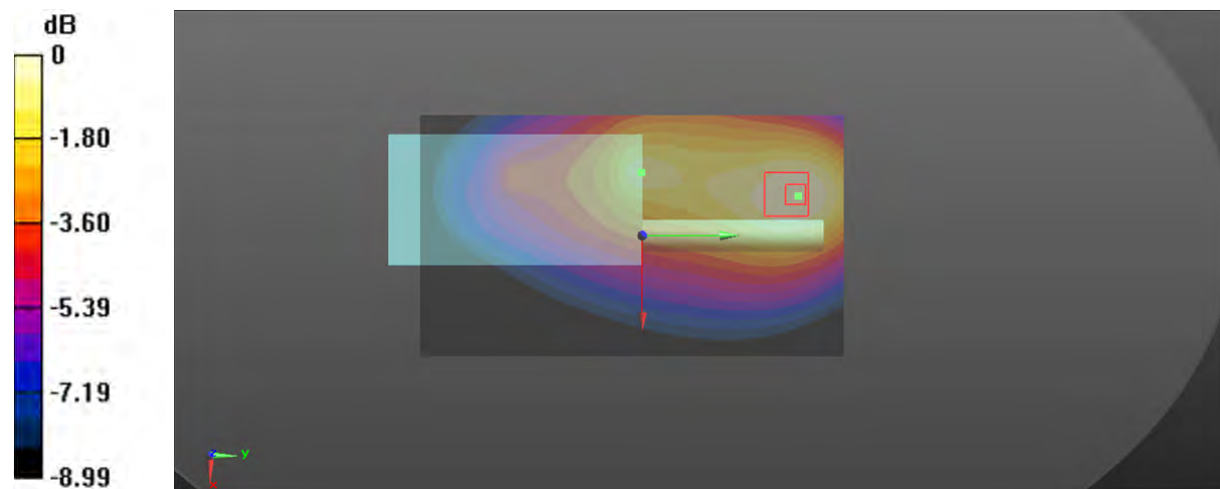
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 44.90 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 5.10 W/kg

SAR(1 g) = 3.22 W/kg; SAR(10 g) = 2.26 W/kg

Maximum value of SAR (measured) = 3.38 W/kg



0 dB = 3.38 W/kg = 5.29 dBW/kg

Plot 41#: FM 12.5kHz_136.0125MHz_Face Up_Antenna 1**DUT: Two Way Radio; Type: T03-00312-BAAA; Serial: CR22030024-SA-S3**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.729$ S/m; $\epsilon_r = 52.718$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.244 W/kg

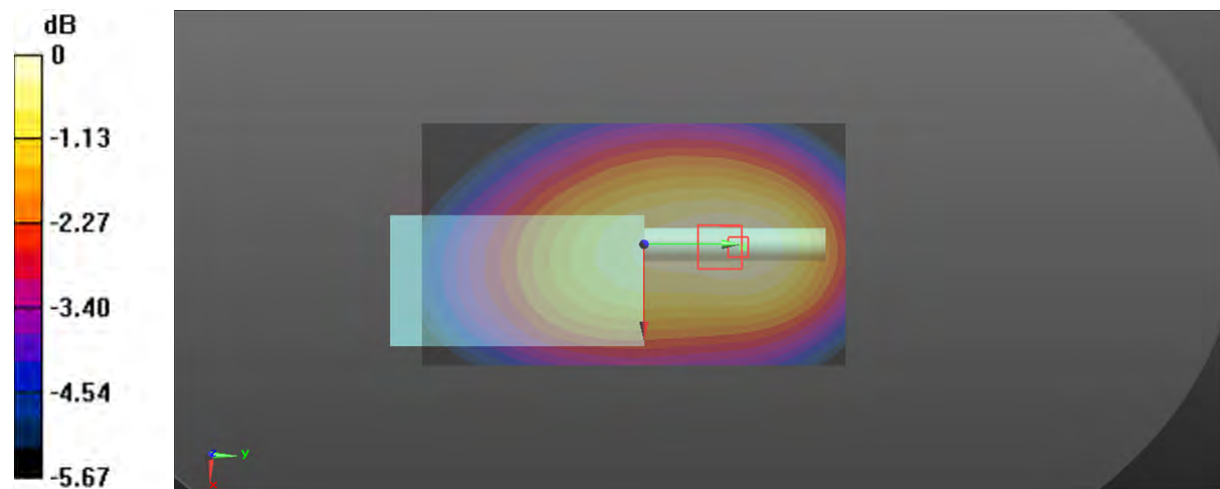
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.15 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.304 W/kg

SAR(1 g) = 0.236 W/kg; SAR(10 g) = 0.191 W/kg

Maximum value of SAR (measured) = 0.244 W/kg



0 dB = 0.244 W/kg = -6.13 dBW/kg

Plot 42#: FM 12.5kHz_144.0125MHz_Face Up_Antenna 2**DUT: Two Way Radio; Type: T03-00312-BAAA; Serial: CR22030024-SA-S3**

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

Medium parameters used: $f = 144.012$ MHz; $\sigma = 0.733$ S/m; $\epsilon_r = 52.548$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 144.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.424 W/kg

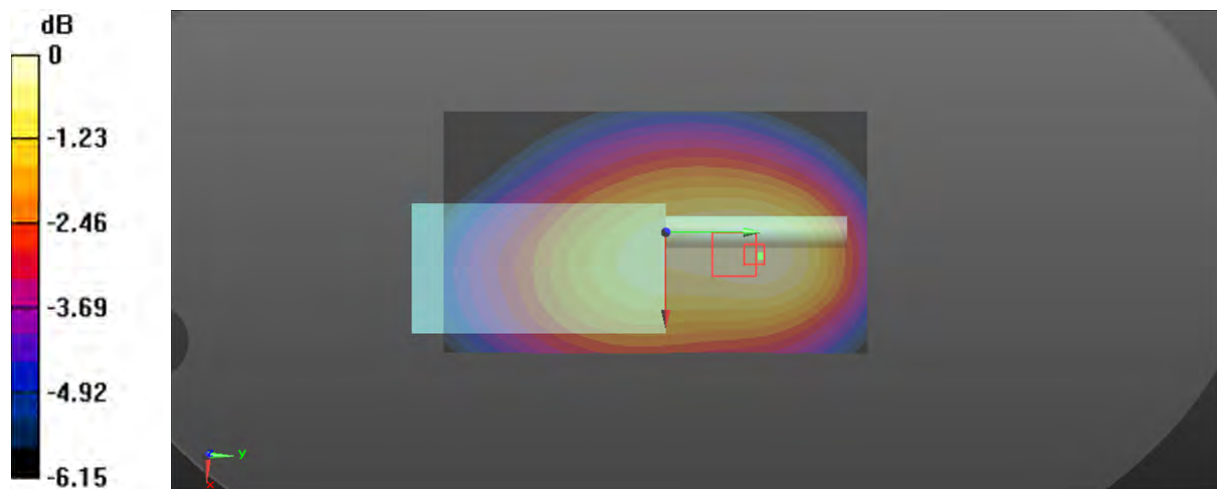
Zoom Scan (5x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.78 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.552 W/kg

SAR(1 g) = 0.417 W/kg; SAR(10 g) = 0.331 W/kg

Maximum value of SAR (measured) = 0.433 W/kg



0 dB = 0.433 W/kg = -3.64 dBW/kg

Plot 43#: FM 12.5kHz_153.0125MHz_Face Up_Antenna 3**DUT: Two Way Radio; Type: T03-00312-BAAA; Serial: CR22030024-SA-S3**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.753$ S/m; $\epsilon_r = 51.942$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 153.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.647 W/kg

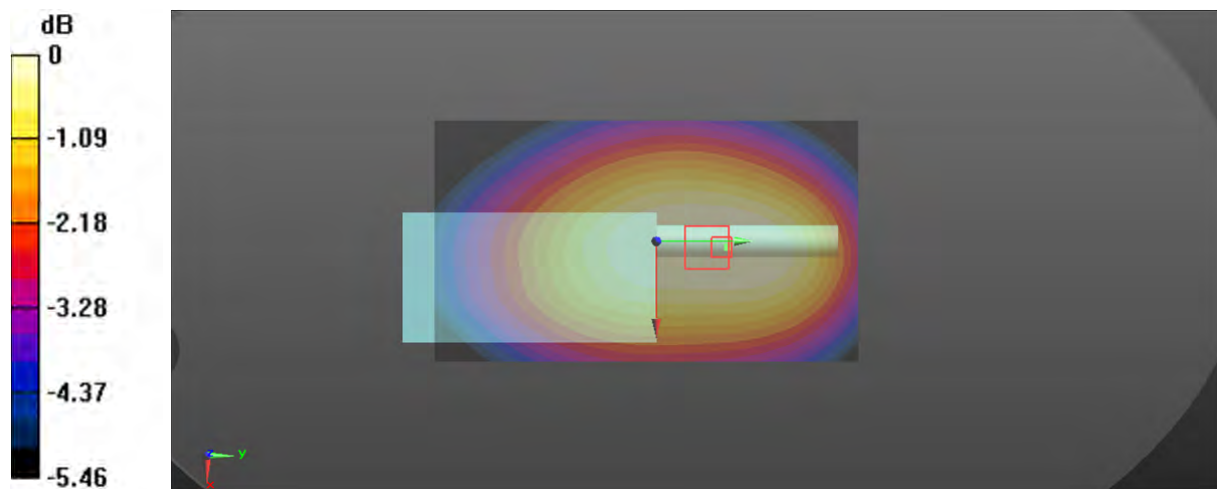
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.21 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.749 W/kg

SAR(1 g) = 0.600 W/kg; SAR(10 g) = 0.492 W/kg

Maximum value of SAR (measured) = 0.621 W/kg



0 dB = 0.621 W/kg = -2.07 dBW/kg

Plot 44#: FM 12.5kHz_163.0125MHz_Face Up_Antenna 4**DUT: Two Way Radio; Type: T03-00312-BAAA; Serial: CR22030024-SA-S3**

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

Medium parameters used: $f = 163.012$ MHz; $\sigma = 0.776$ S/m; $\epsilon_r = 51.755$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 163.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.895 W/kg

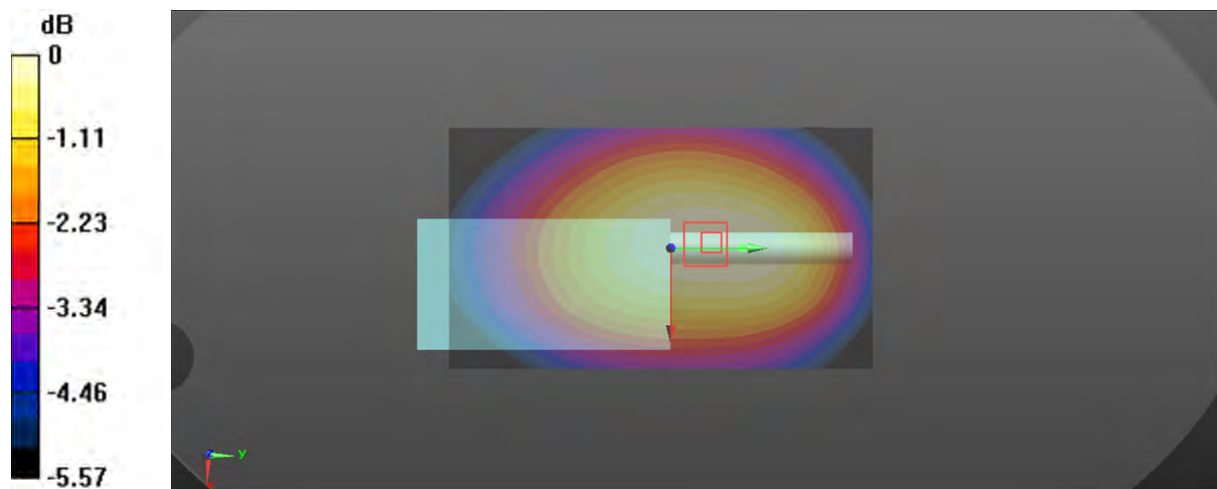
Zoom Scan (5x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.18 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.855 W/kg; SAR(10 g) = 0.704 W/kg

Maximum value of SAR (measured) = 0.882 W/kg



0 dB = 0.882 W/kg = -0.55 dBW/kg

Plot 45#: FM 12.5kHz_136.0125MHz_Body Back _Antenna 1**DUT: Two Way Radio; Type: T03-00312-BAAA; Serial: CR22030024-SA-S3**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.758$ S/m; $\epsilon_r = 62.367$; $\rho = 1000$ 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.11 W/kg

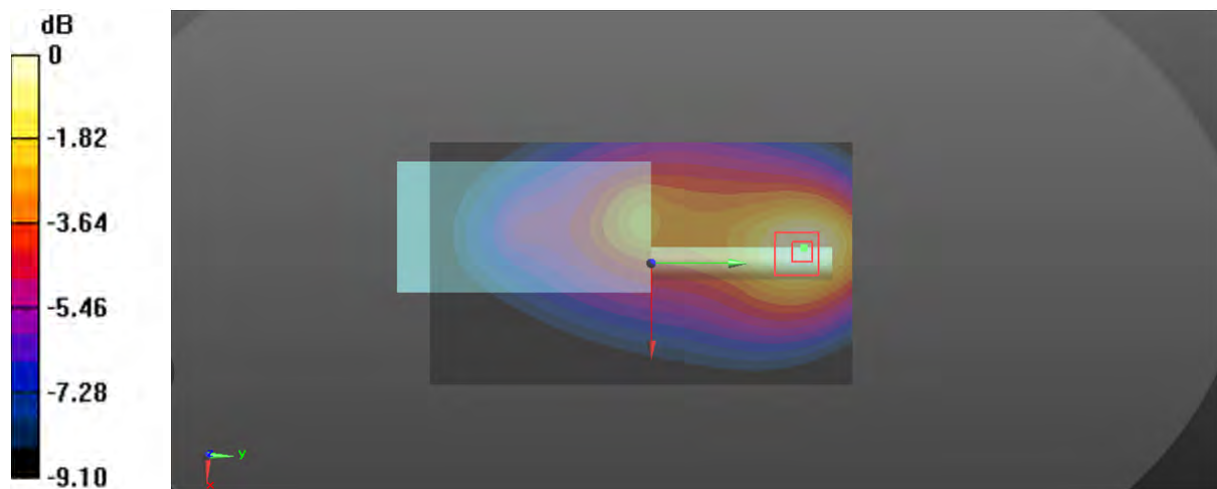
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.30 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 3.19 W/kg

SAR(1 g) = 2.01 W/kg; SAR(10 g) = 1.38 W/kg

Maximum value of SAR (measured) = 2.11 W/kg



0 dB = 2.11 W/kg = 3.24 dBW/kg

Plot 46#: FM 12.5kHz_144.0125MHz_Body Back _Antenna 2**DUT: Two Way Radio; Type: T03-00312-BAAA; Serial: CR22030024-SA-S3**

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

Medium parameters used: $f = 144.012$ MHz; $\sigma = 0.772$ S/m; $\epsilon_r = 62.215$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 144.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.51 W/kg

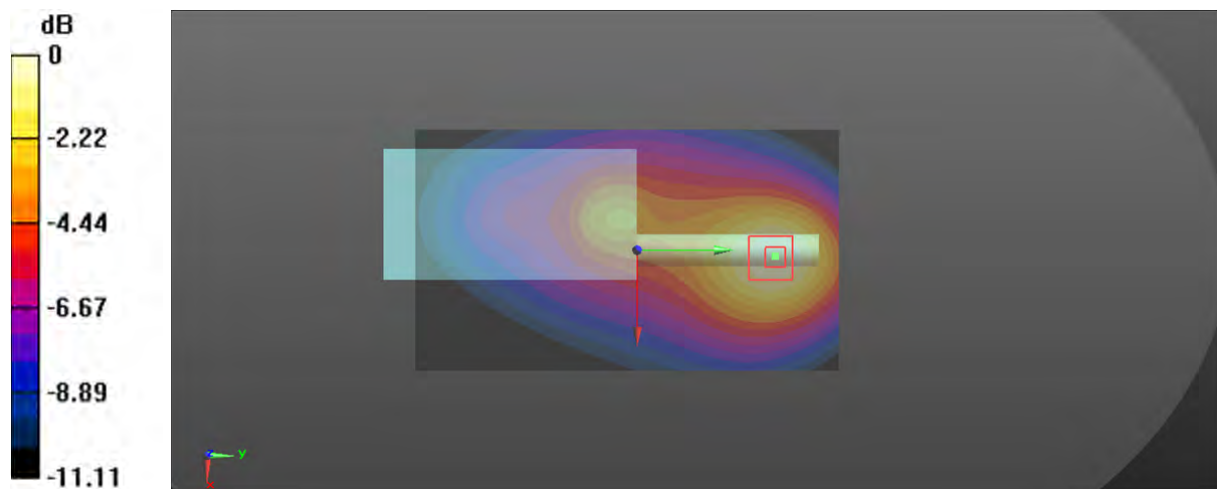
Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 50.41 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 7.71 W/kg

SAR(1 g) = 4.2 W/kg; SAR(10 g) = 2.64 W/kg

Maximum value of SAR (measured) = 4.43 W/kg



0 dB = 4.43 W/kg = 6.46 dBW/kg

Plot 47#: FM 12.5kHz_153.0125MHz_Body Back _Antenna 3**DUT: Two Way Radio; Type: T03-00312-BAAA; Serial: CR22030024-SA-S3**

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

Medium parameters used: $f = 153.012$ MHz; $\sigma = 0.802$ S/m; $\epsilon_r = 61.876$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 153.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.39 W/kg

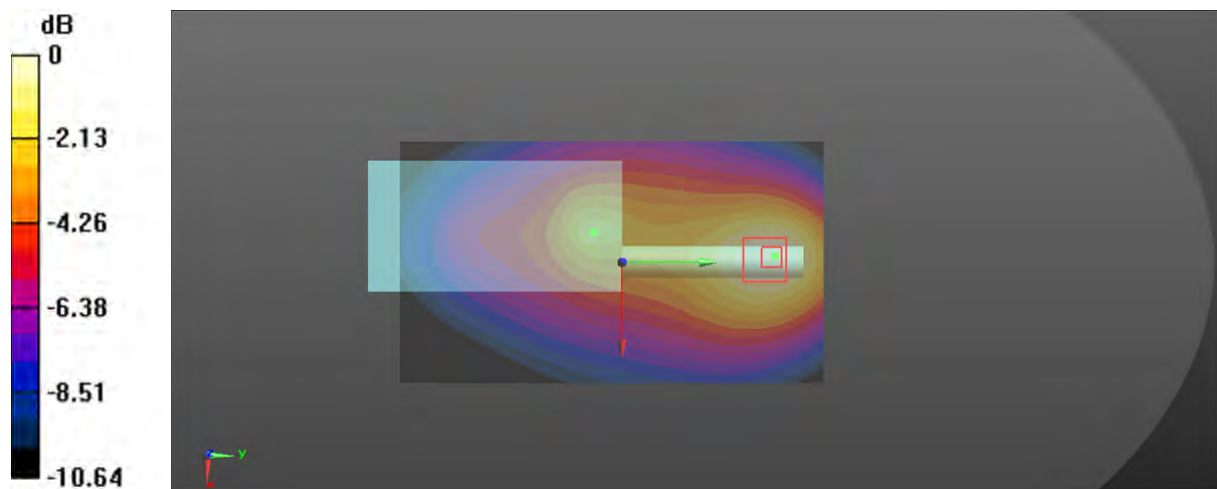
Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 54.32 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 7.13 W/kg

SAR(1 g) = 4.12 W/kg; SAR(10 g) = 2.72 W/kg

Maximum value of SAR (measured) = 4.34 W/kg



0 dB = 4.34 W/kg = 6.37 dBW/kg

Plot 48#: FM 12.5kHz_163.0125MHz_Body Back _Antenna 4**DUT: Two Way Radio; Type: T03-00312-BAAA; Serial: CR22030024-SA-S3**

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

Medium parameters used: $f = 163.012$ MHz; $\sigma = 0.822$ S/m; $\epsilon_r = 61.675$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 163.012 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 (81x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

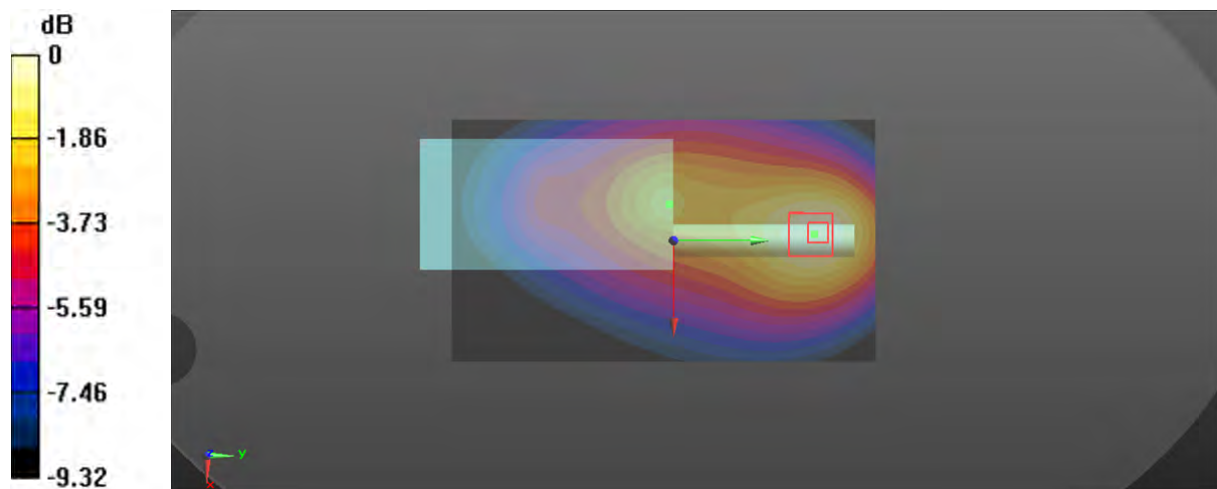
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.14 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 6.03 W/kg

SAR(1 g) = 3.63 W/kg; SAR(10 g) = 2.45 W/kg

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



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

Plot 49#: FM 12.5kHz_136.0125MHz_Face Up_Antenna 5**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.729$ S/m; $\epsilon_r = 52.718$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 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 (81x191x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.635 W/kg

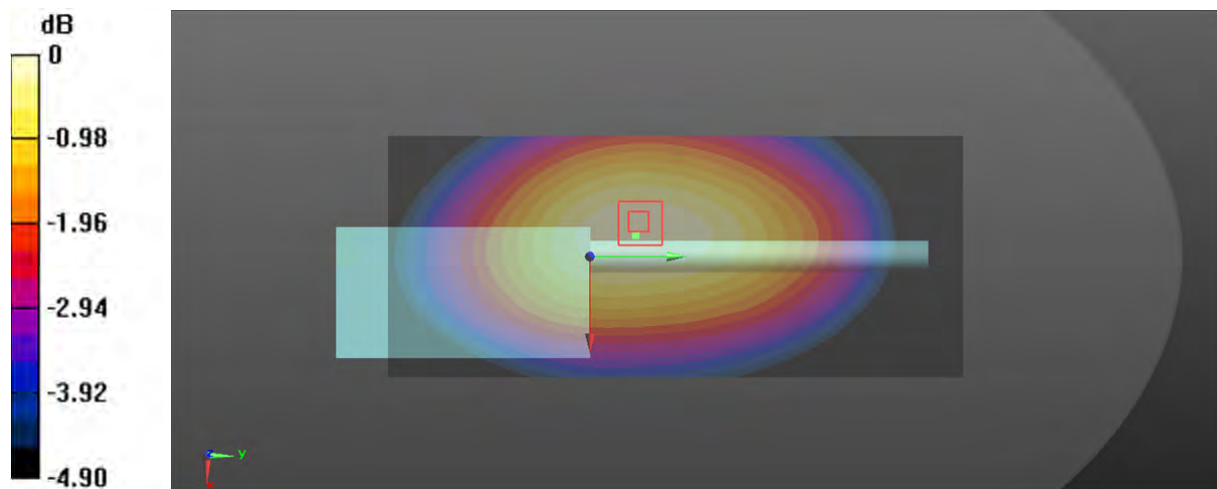
Zoom Scan (6x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 27.80 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.753 W/kg

SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.507 W/kg

Maximum value of SAR (measured) = 0.636 W/kg



0 dB = 0.636 W/kg = -1.97 dBW/kg

Plot 50#: FM 12.5kHz_150.0125MHz_Face Up_Antenna 6**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

Communication System: FM; Frequency: 150.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 150.012$ MHz; $\sigma = 0.742$ S/m; $\epsilon_r = 52.348$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 150.012 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.899 W/kg

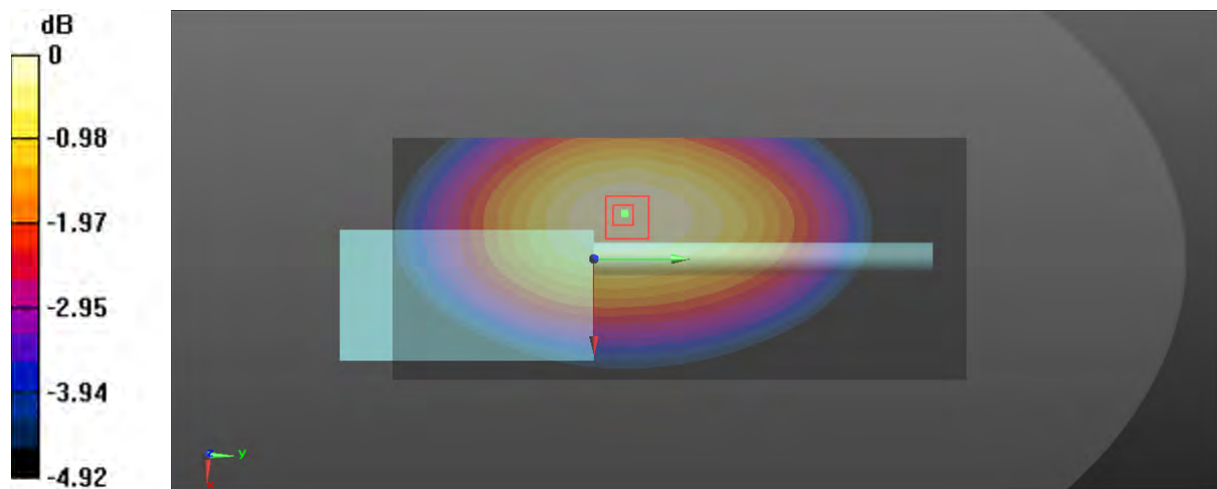
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.25 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.07 W/kg

SAR(1 g) = 0.869 W/kg; SAR(10 g) = 0.713 W/kg

Maximum value of SAR (measured) = 0.898 W/kg



0 dB = 0.898 W/kg = -0.47 dBW/kg

Plot 51#: FM 25kHz_136.0125MHz_Face Up_Antenna 5**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.729$ S/m; $\epsilon_r = 52.718$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.662 W/kg

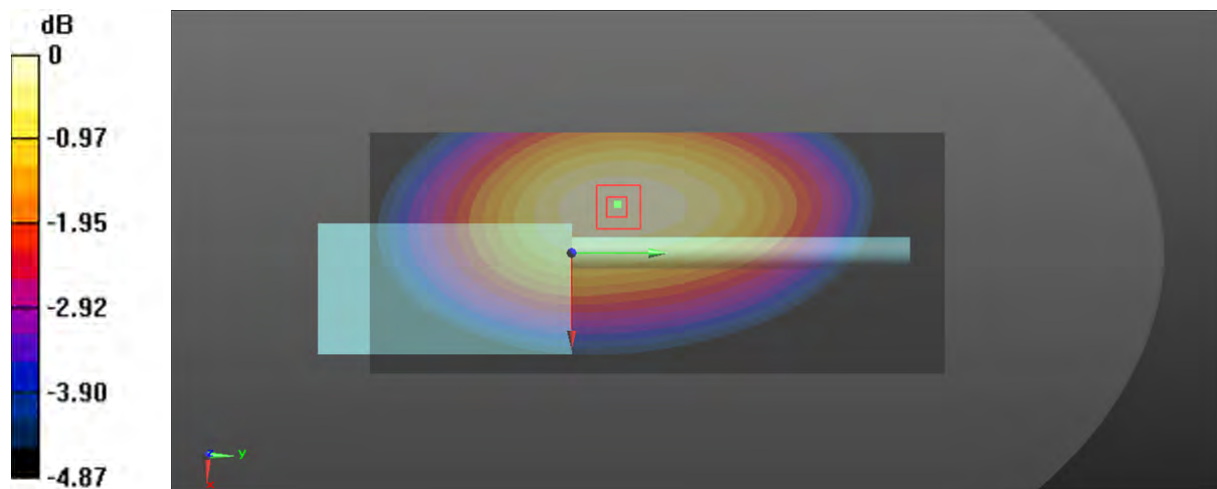
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.30 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.798 W/kg

SAR(1 g) = 0.648 W/kg; SAR(10 g) = 0.533 W/kg

Maximum value of SAR (measured) = 0.669 W/kg



0 dB = 0.669 W/kg = -1.75 dBW/kg

Plot 52#: FM 25kHz_150.0125MHz_Face Up_Antenna 6**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

Communication System: FM; Frequency: 150.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 150.012$ MHz; $\sigma = 0.742$ S/m; $\epsilon_r = 52.348$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 150.012 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.817 W/kg

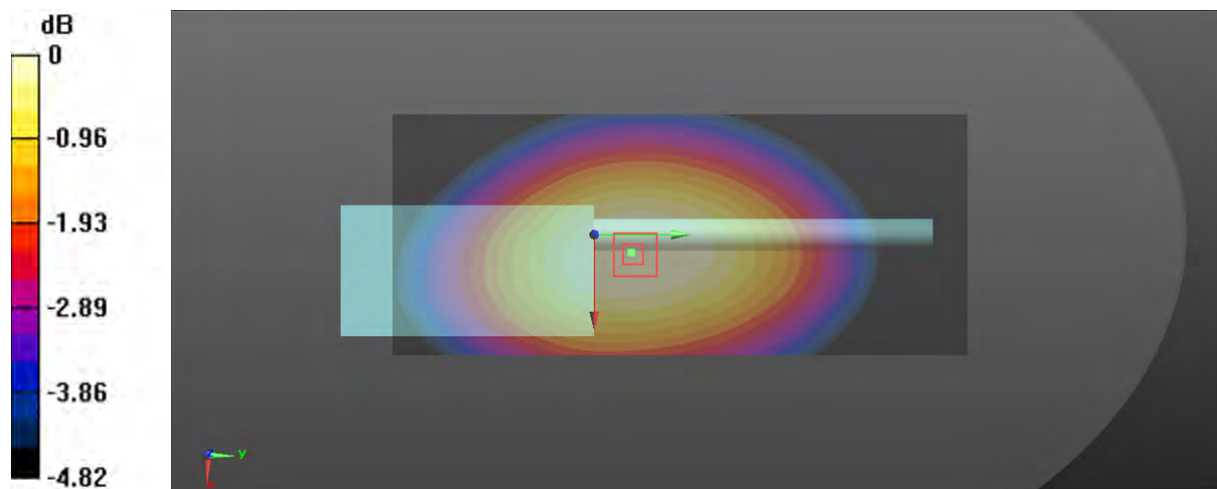
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.84 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.934 W/kg

SAR(1 g) = 0.762 W/kg; SAR(10 g) = 0.628 W/kg

Maximum value of SAR (measured) = 0.787 W/kg



0 dB = 0.787 W/kg = -1.04 dBW/kg

Plot 53#: 4FSK 12.5kHz_136.0125MHz_Face Up_Antenna 5**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.729$ S/m; $\epsilon_r = 52.718$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.338 W/kg

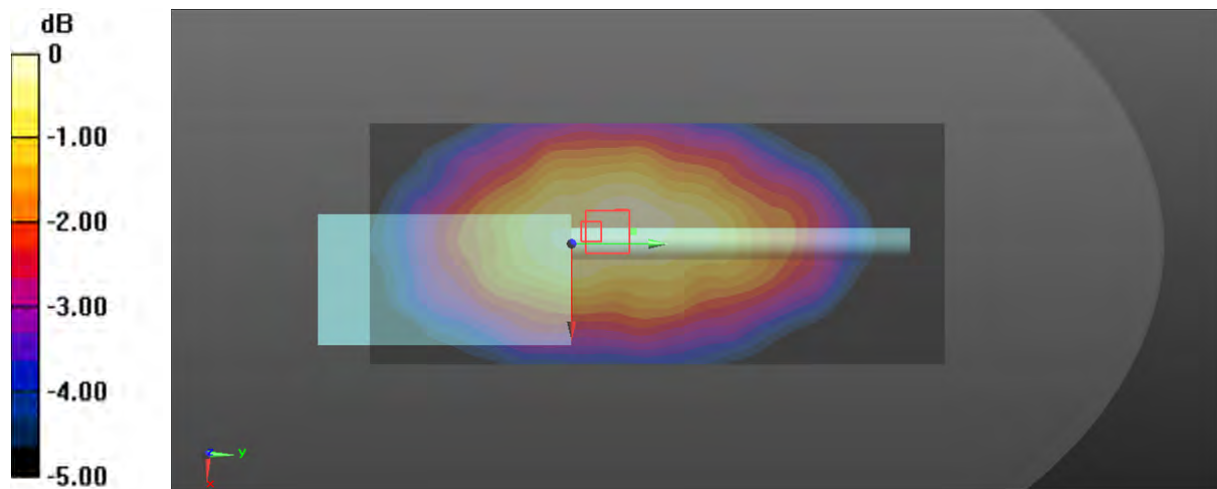
Zoom Scan (5x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.56 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.411 W/kg

SAR(1 g) = 0.317 W/kg; SAR(10 g) = 0.260 W/kg

Maximum value of SAR (measured) = 0.335 W/kg



0 dB = 0.335 W/kg = -4.75 dBW/kg

Plot 54#: 4FSK 12.5kHz_150.0125MHz_Face Up_Antenna 6**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

Communication System: 4FSK; Frequency: 150.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 150.012$ MHz; $\sigma = 0.742$ S/m; $\epsilon_r = 52.348$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 150.012 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.355 W/kg

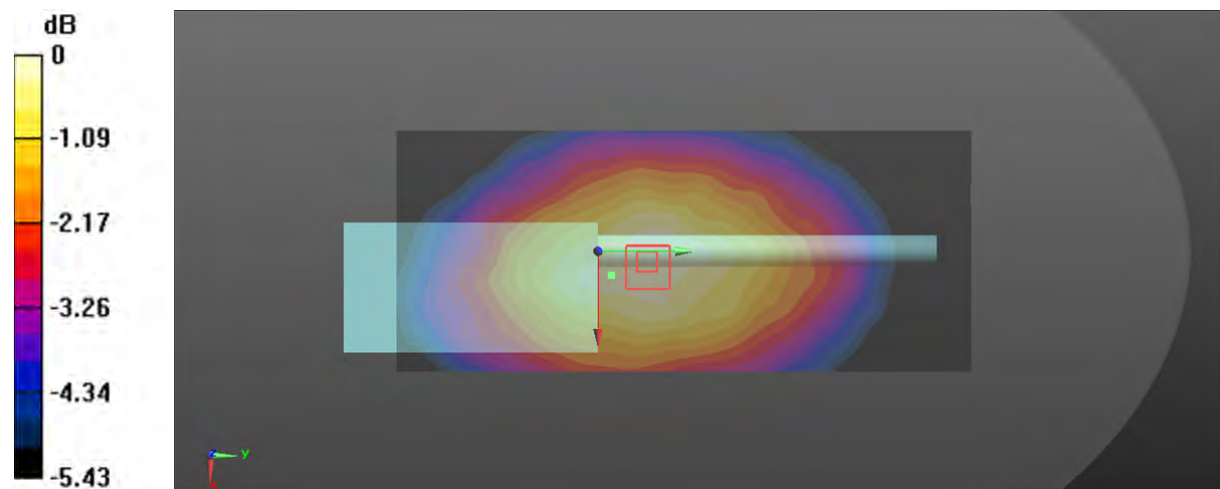
Zoom Scan (6x7x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.72 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.464 W/kg

SAR(1 g) = 0.348 W/kg; SAR(10 g) = 0.284 W/kg

Maximum value of SAR (measured) = 0.368 W/kg



0 dB = 0.368 W/kg = -4.34 dBW/kg

Plot 55#: FM 12.5kHz_136.0125MHz_Body Back_Antenna 5**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.756$ S/m; $\epsilon_r = 62.387$; $\rho = 1000$ 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.51 W/kg

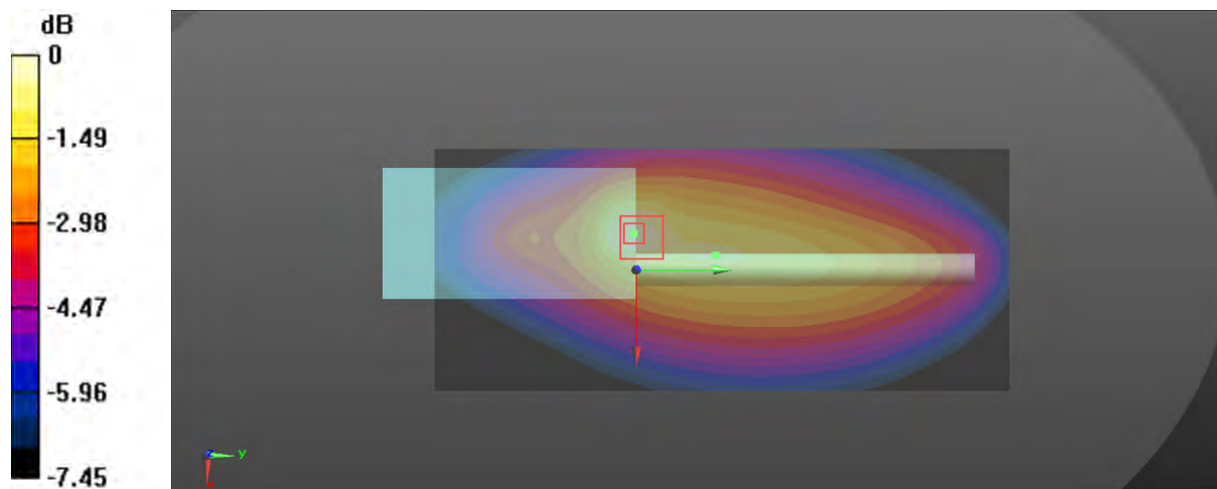
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 87.93 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 12.4 W/kg

SAR(1 g) = 7.32 W/kg; SAR(10 g) = 5.09 W/kg

Maximum value of SAR (measured) = 7.84 W/kg



0 dB = 7.84 W/kg = 8.94 dBW/kg

Plot 56#: FM 12.5kHz_143MHz_Body Back_Antenna 5**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 143$ MHz; $\sigma = 0.764$ S/m; $\epsilon_r = 62.248$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 143 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 (81x191x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 2.72 W/kg

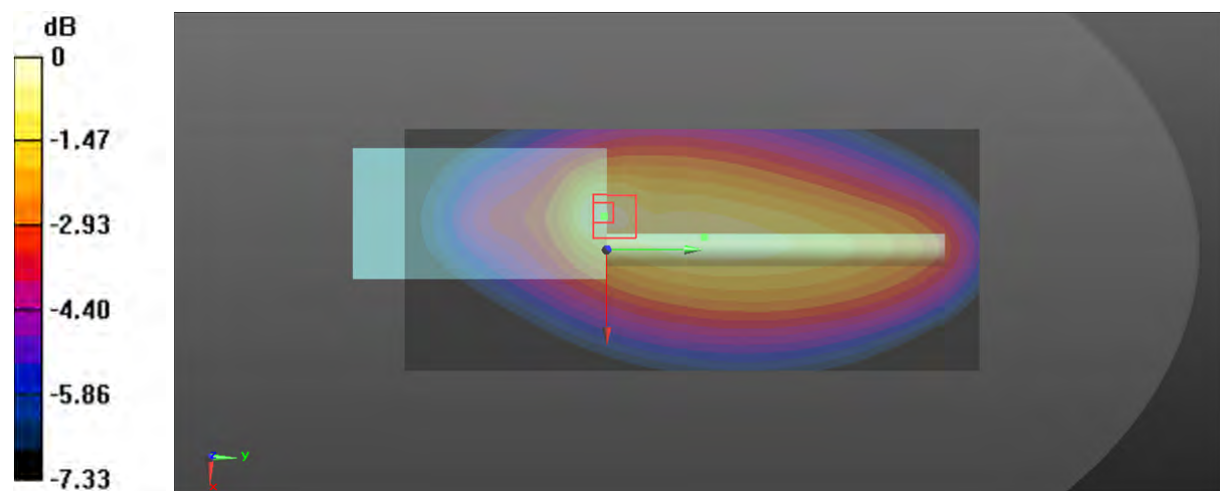
Zoom Scan (5x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 49.48 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 4.56 W/kg

SAR(1 g) = 2.77 W/kg; SAR(10 g) = 1.96 W/kg

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



0 dB = 2.93 W/kg = 4.67 dBW/kg

Plot 57#: FM 12.5kHz_149.9875MHz_Body Back_Antenna 5**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

Communication System: FM; Frequency: 149.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 149.988$ MHz; $\sigma = 0.781$ S/m; $\epsilon_r = 61.968$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 149.988 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

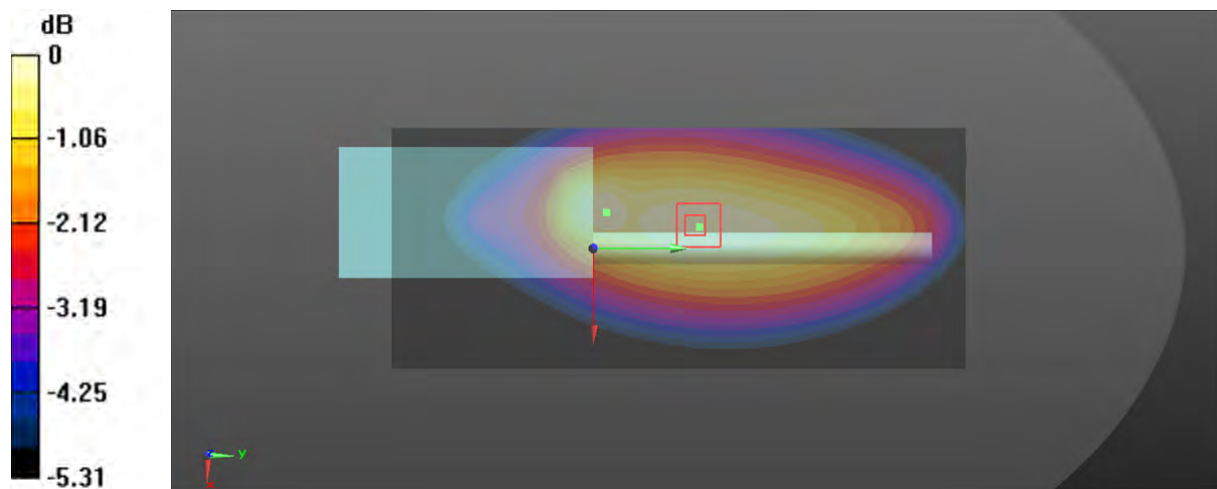
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.84 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.917 W/kg

Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 1.19 W/kg = 0.76 dBW/kg

Plot 58#: FM 12.5kHz_150.0125MHz_Body Back _Antenna 6**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

Communication System: FM; Frequency: 150.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 150.012$ MHz; $\sigma = 0.794$ S/m; $\epsilon_r = 61.885$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 150.012 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.74 W/kg

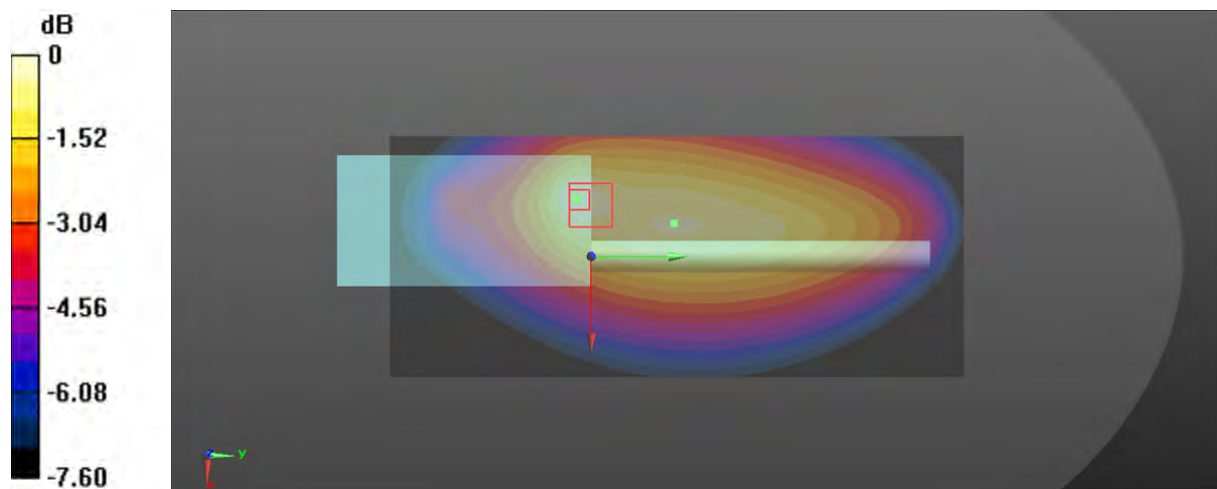
Zoom Scan (6x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 68.64 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 8.51 W/kg

SAR(1 g) = 5.2 W/kg; SAR(10 g) = 3.71 W/kg

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



0 dB = 5.54 W/kg = 7.44 dBW/kg

Plot 59#: FM 12.5kHz_158MHz_Body Back_Antenna 6**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

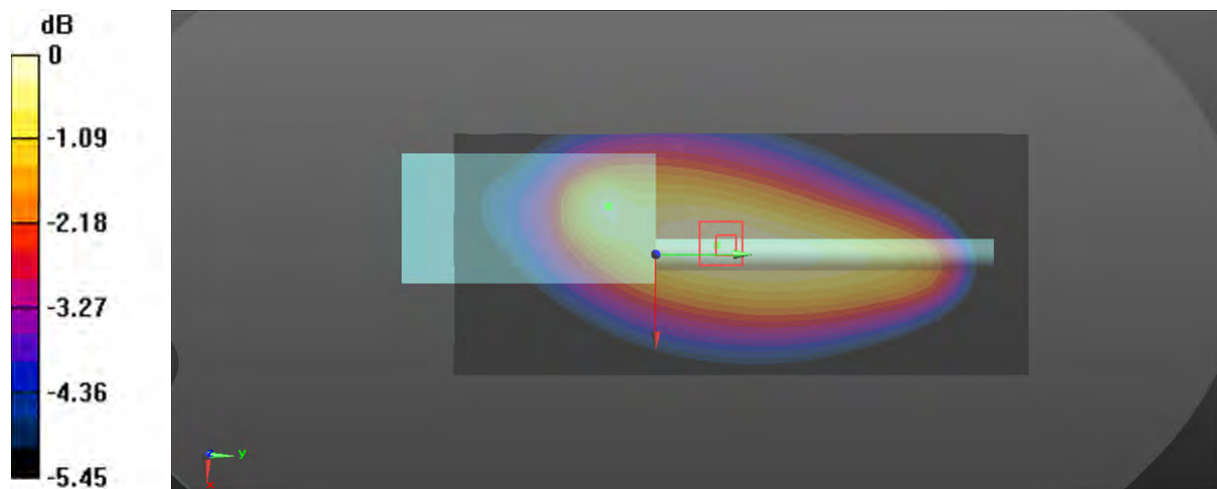
Communication System: FM; Frequency: 158 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 158 \text{ MHz}$; $\sigma = 0.811 \text{ S/m}$; $\epsilon_r = 61.716$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 158 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 (81x191x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.25 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 67.04 V/m ; Power Drift = 0.17 dB Peak SAR (extrapolated) = 5.26 W/kg **SAR(1 g) = 4.12 W/kg ; SAR(10 g) = 3.29 W/kg** Maximum value of SAR (measured) = 4.28 W/kg 0 dB = 4.28 W/kg = 6.31 dBW/kg

Plot 60#: FM 12.5kHz_165.9875MHz_Body Back _Antenna 6**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

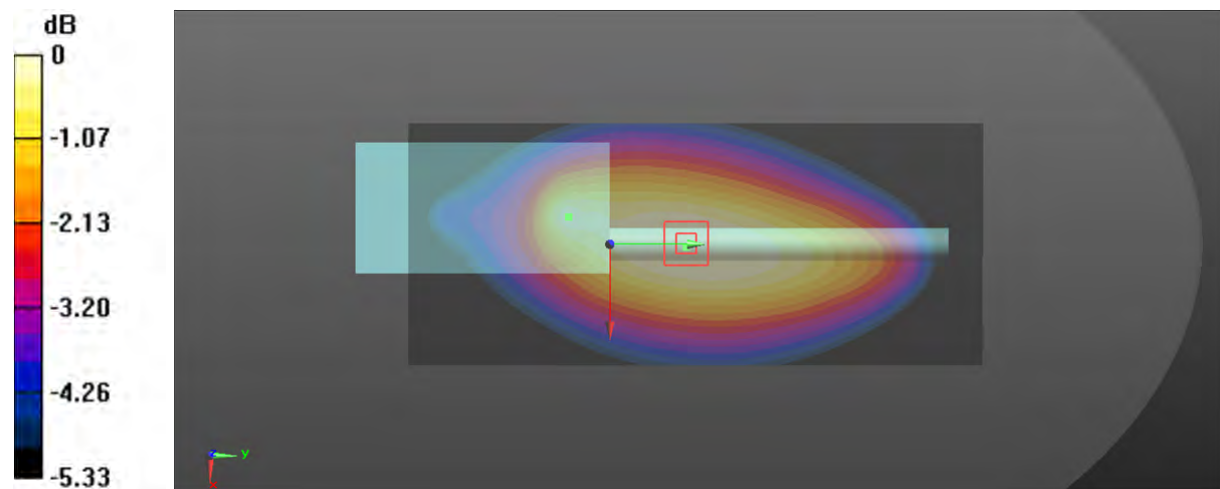
Communication System: FM; Frequency: 165.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 165.988 \text{ MHz}$; $\sigma = 0.828 \text{ S/m}$; $\epsilon_r = 61.489$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 165.988 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 (81x191x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 2.46 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 52.85 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 2.93 W/kg **SAR(1 g) = 2.3 W/kg ; SAR(10 g) = 1.84 W/kg** Maximum value of SAR (measured) = 2.38 W/kg  $0 \text{ dB} = 2.38 \text{ W/kg} = 3.77 \text{ dBW/kg}$

Plot 61#: FM 12.5kHz_173.9875MHz_Body Back_Antenna 6**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 173.988$ MHz; $\sigma = 0.837$ S/m; $\epsilon_r = 61.339$; $\rho = 1000$ 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.67 W/kg

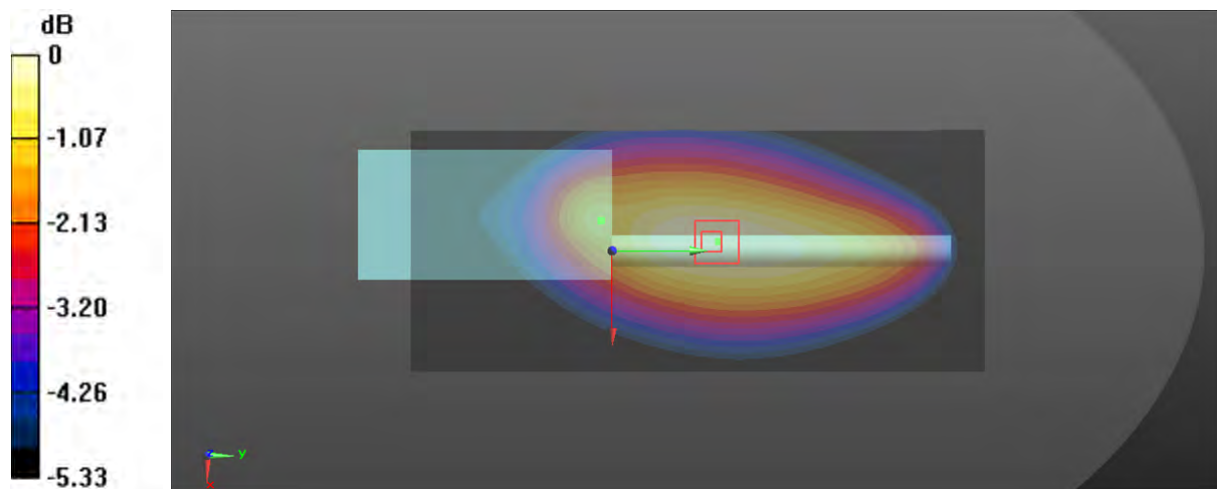
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.19 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 1.6 W/kg; SAR(10 g) = 1.27 W/kg

Maximum value of SAR (measured) = 1.66 W/kg



0 dB = 1.66 W/kg = 2.20 dBW/kg

Plot 62#: FM 25kHz_136.0125MHz _Body Back _Antenna 5**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.756$ S/m; $\epsilon_r = 62.387$; $\rho = 1000$ 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

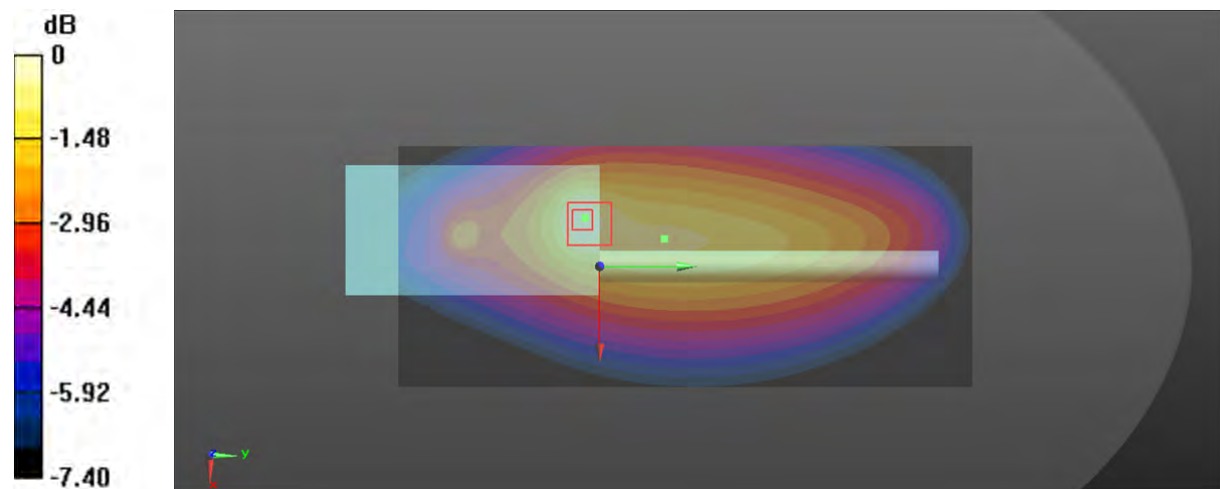
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 81.75 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 11.3 W/kg

SAR(1 g) = 6.71 W/kg; SAR(10 g) = 4.69 W/kg

Maximum value of SAR (measured) = 7.09 W/kg



0 dB = 7.09 W/kg = 8.51 dBW/kg

Plot 63#: FM 25kHz_143MHz _Body Back _Antenna 5**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 143$ MHz; $\sigma = 0.764$ S/m; $\epsilon_r = 62.248$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 143 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.35 W/kg

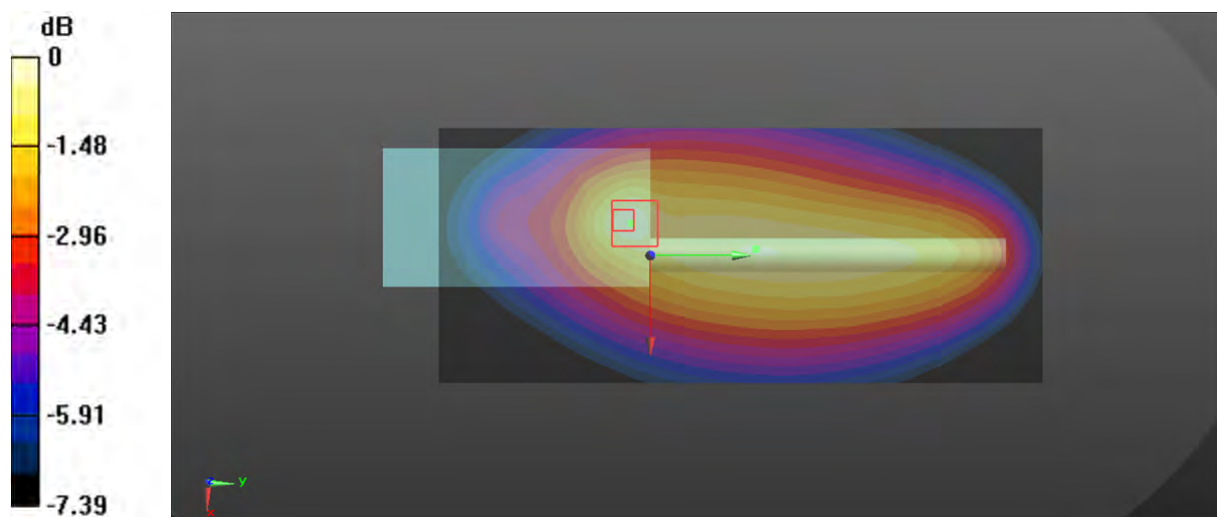
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 48.89 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 3.92 W/kg

SAR(1 g) = 2.27 W/kg; SAR(10 g) = 1.57 W/kg

Maximum value of SAR (measured) = 2.36 W/kg



0 dB = 2.36 W/kg = 3.73 dBW/kg

Plot 64#: FM 25kHz_149.9875MHz_Body Back _Antenna 5**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

Communication System: FM; Frequency: 149.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 149.988$ MHz; $\sigma = 0.781$ S/m; $\epsilon_r = 61.968$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 149.988 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

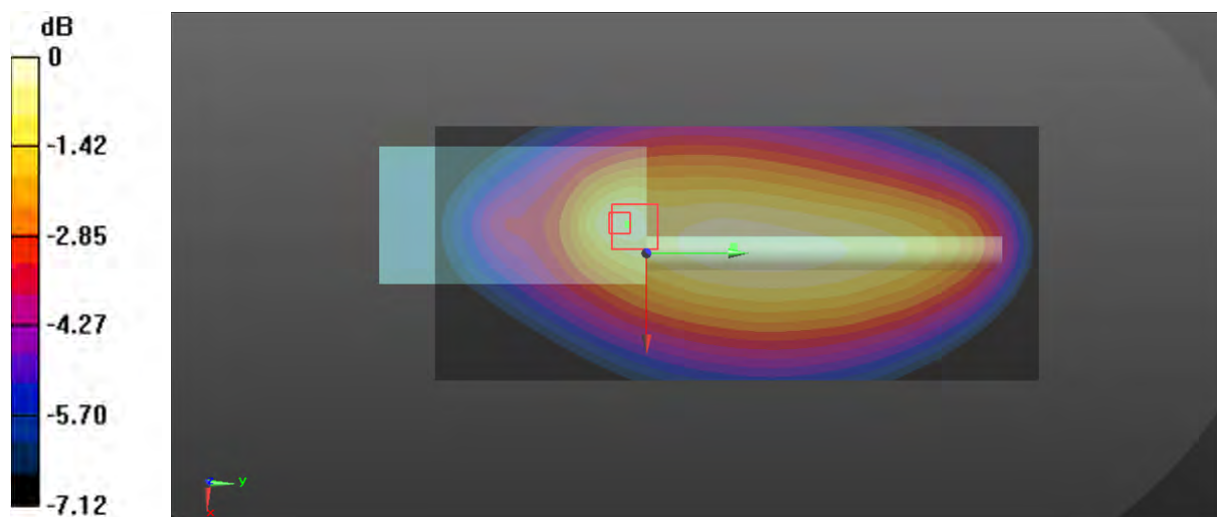
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.66 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.78 W/kg

SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.782 W/kg

Maximum value of SAR (measured) = 1.15 W/kg



0 dB = 1.15 W/kg = 0.61 dBW/kg

Plot 65#: 150.0125MHz_25kHz_Body Back_Antenna 6**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

Communication System: FM; Frequency: 150.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 150.012$ MHz; $\sigma = 0.794$ S/m; $\epsilon_r = 61.885$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 150.012 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.29 W/kg

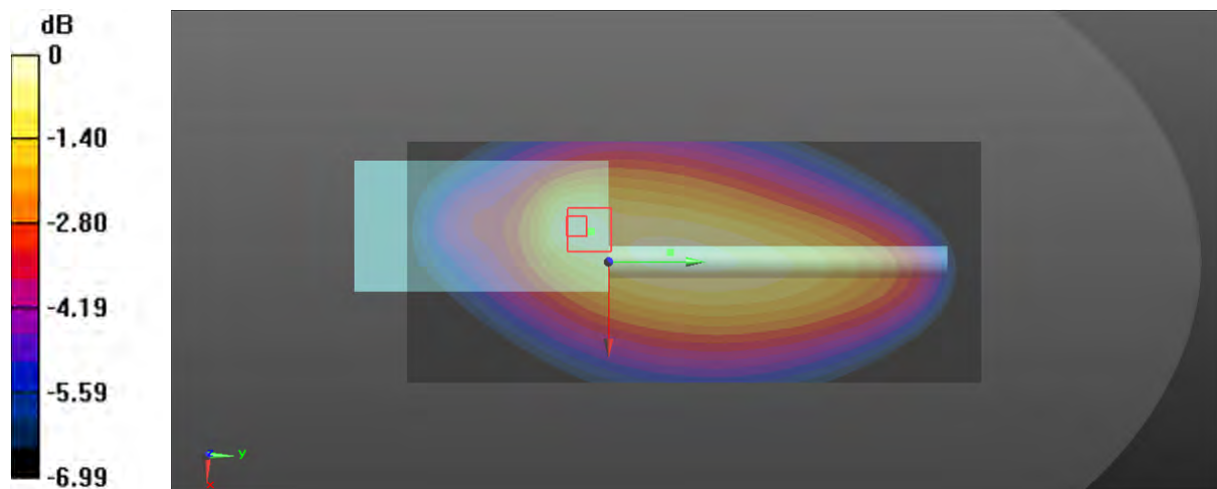
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 77.01 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 8.47 W/kg

SAR(1 g) = 5.19 W/kg; SAR(10 g) = 3.7 W/kg

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



0 dB = 5.43 W/kg = 7.35 dBW/kg

Plot 66#: 4FSK 12.5kHz_136.0125MHz_Body Back _Antenna 5**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.756$ S/m; $\epsilon_r = 62.387$; $\rho = 1000$ 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.78 W/kg

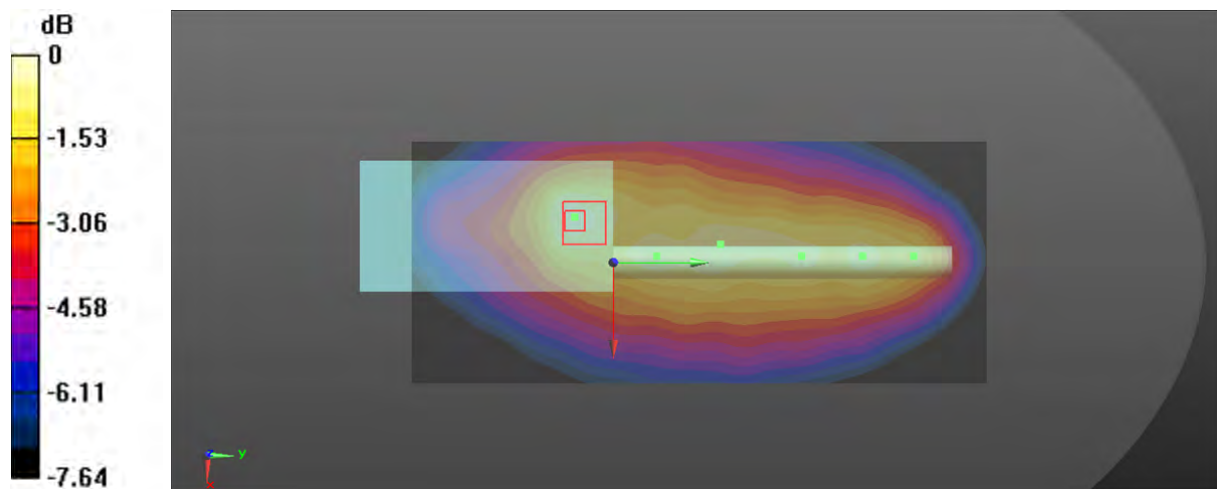
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 54.74 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 4.71 W/kg

SAR(1 g) = 2.77 W/kg; SAR(10 g) = 1.94 W/kg

Maximum value of SAR (measured) = 2.91 W/kg



0 dB = 2.91 W/kg = 4.64 dBW/kg

Plot 67#: 4FSK 12.5kHz_150.0125MHz_Body Back _Antenna 6**DUT: Two Way Radio; Type: T03-00312-BCDA; Serial: CR22030024-SA-S1**

Communication System: 4FSK; Frequency: 150.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 150.012$ MHz; $\sigma = 0.794$ S/m; $\epsilon_r = 61.885$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 150.012 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.94 W/kg

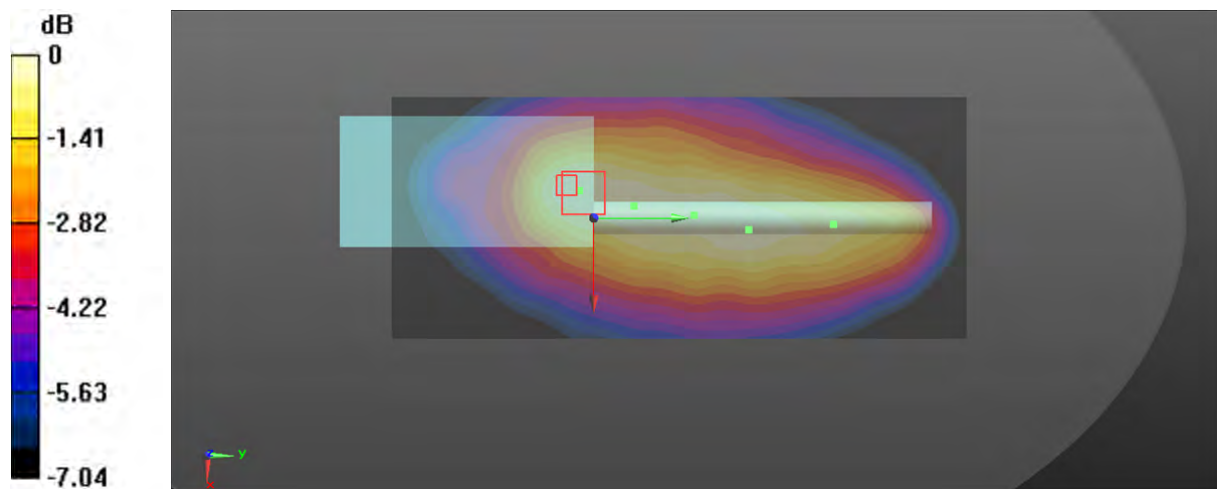
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.02 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 4.53 W/kg

SAR(1 g) = 2.8 W/kg; SAR(10 g) = 2.03 W/kg

Maximum value of SAR (measured) = 2.87 W/kg



0 dB = 2.87 W/kg = 4.58 dBW/kg

Plot 68#: FM 12.5kHz_136.0125MHz_Face Up_Antenna 5**DUT: Two Way Radio; Type: T03-00312-BBEA; Serial: CR22030024-SA-S2**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.729$ S/m; $\epsilon_r = 52.718$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.645 W/kg

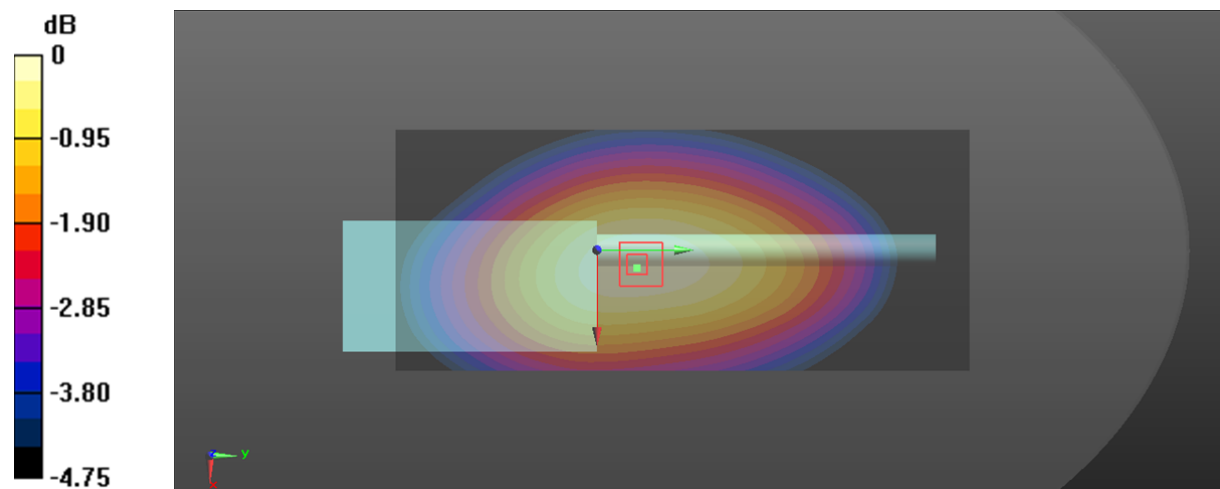
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.50 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.771 W/kg

SAR(1 g) = 0.627 W/kg; SAR(10 g) = 0.516 W/kg

Maximum value of SAR (measured) = 0.649 W/kg



0 dB = 0.649 W/kg = -1.88 dBW/kg

Plot 69#: FM 12.5kHz_150.0125MHz_Face Up_Antenna 6**DUT: Two Way Radio; Type: T03-00312-BBEA; Serial: CR22030024-SA-S2**

Communication System: FM; Frequency: 150.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 150.012$ MHz; $\sigma = 0.742$ S/m; $\epsilon_r = 52.348$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 150.012 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.00 W/kg

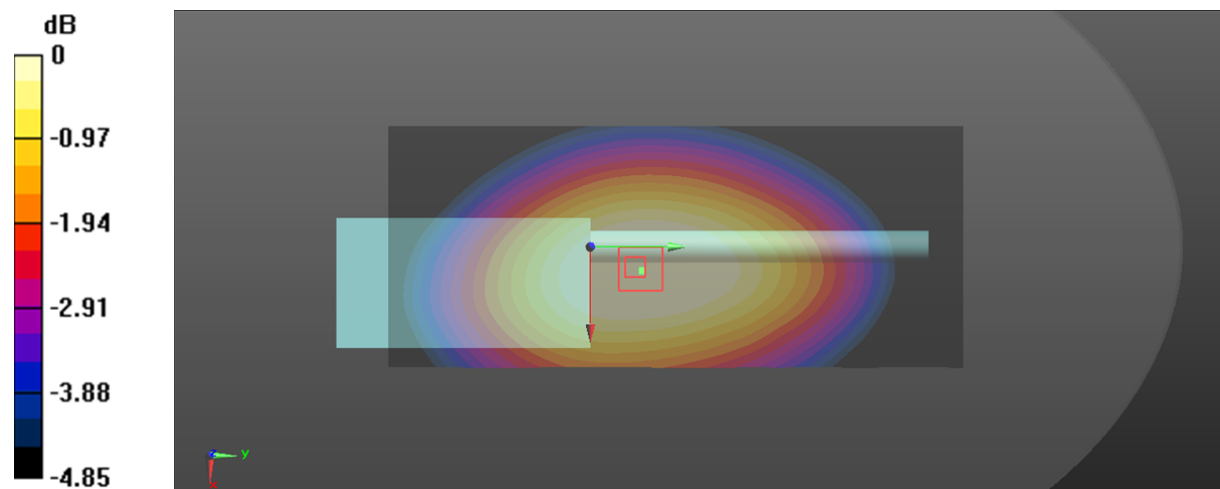
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.93 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.897 W/kg; SAR(10 g) = 0.737 W/kg

Maximum value of SAR (measured) = 0.927 W/kg



0 dB = 0.927 W/kg = -0.33 dBW/kg

Plot 70#: FM 12.5kHz_136.0125MHz_Body Back_Antenna 5**DUT: Two Way Radio; Type: T03-00312-BBEA; Serial: CR22030024-SA-S2**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.756$ S/m; $\epsilon_r = 62.387$; $\rho = 1000$ 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.83 W/kg

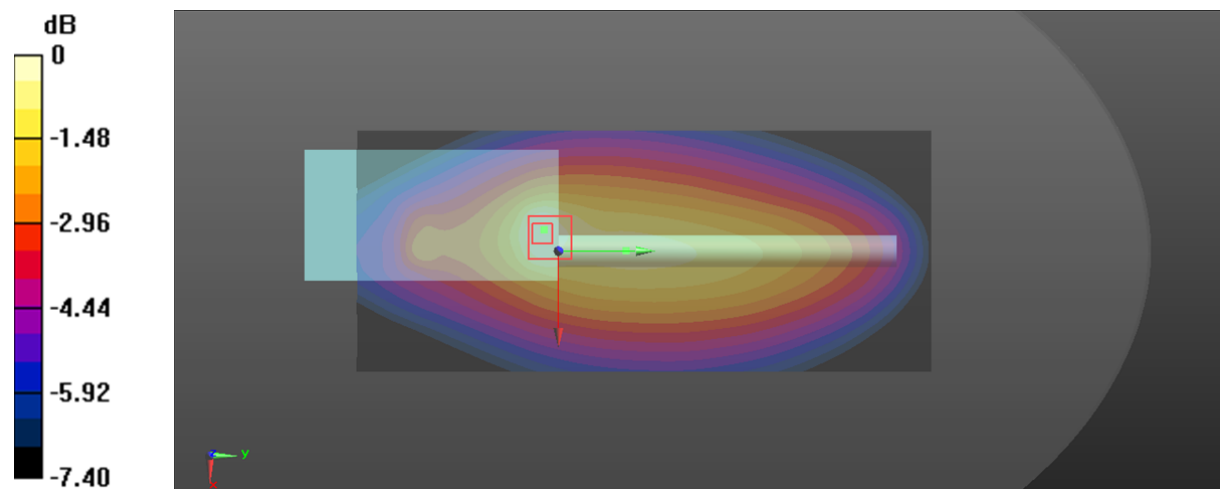
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 96.29 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 11.9 W/kg

SAR(1 g) = 7.18 W/kg; SAR(10 g) = 5.05 W/kg

Maximum value of SAR (measured) = 7.60 W/kg



0 dB = 7.60 W/kg = 8.81 dBW/kg

Plot 71#: FM 12.5kHz_150.0125MHz_Body Back_Antenna 6**DUT: Two Way Radio; Type: T03-00312-BBEA; Serial: CR22030024-SA-S2**

Communication System: FM; Frequency: 150.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 150.012$ MHz; $\sigma = 0.794$ S/m; $\epsilon_r = 61.885$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 150.012 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.72 W/kg

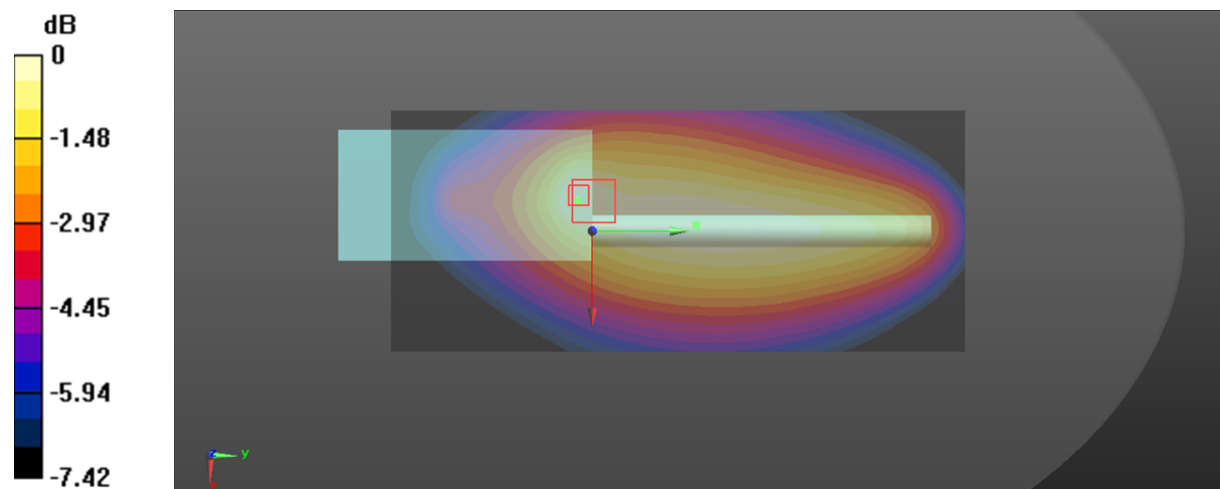
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 82.76 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 9.70 W/kg

SAR(1 g) = 5.99 W/kg; SAR(10 g) = 4.32 W/kg

Maximum value of SAR (measured) = 6.31 W/kg



0 dB = 6.31 W/kg = 8.00 dBW/kg

Plot 72#: FM 12.5kHz_136.0125MHz_Face Up_Antenna 5**DUT: Two Way Radio; Type: T03-00312-BAAA; Serial: CR22030024-SA-S3**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.729$ S/m; $\epsilon_r = 52.718$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.506 W/kg

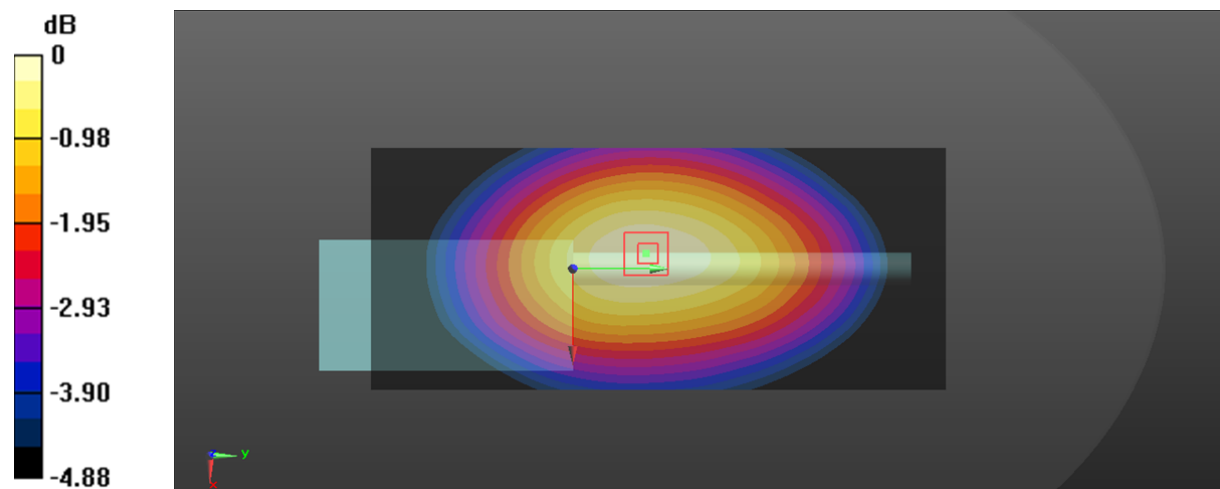
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.83 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.608 W/kg

SAR(1 g) = 0.489 W/kg; SAR(10 g) = 0.399 W/kg

Maximum value of SAR (measured) = 0.507 W/kg



0 dB = 0.507 W/kg = -2.95 dBW/kg

Plot 73#: FM 12.5kHz_150.0125MHz_Face Up_Antenna 6**DUT: Two Way Radio; Type: T03-00312-BAAA; Serial: CR22030024-SA-S3**

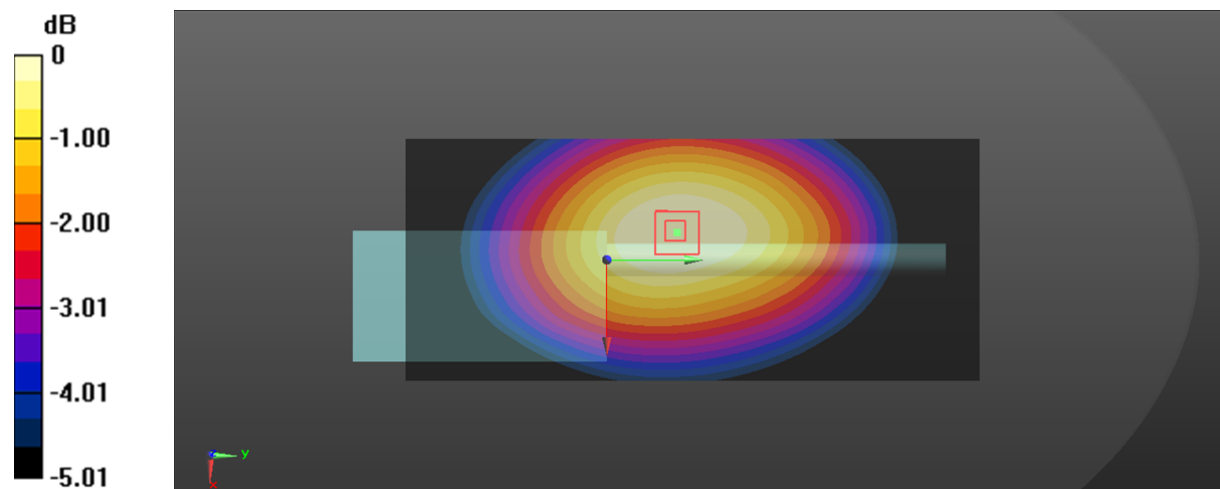
Communication System: FM; Frequency: 150.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 150.12$ MHz; $\sigma = 0.742$ S/m; $\epsilon_r = 52.348$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.69, 7.69, 7.69) @ 150.12 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 (81x191x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mmMaximum value of SAR (interpolated) = 0.679 W/kg**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mmReference Value = 27.63 V/m; Power Drift = -0.06 dBPeak SAR (extrapolated) = 0.791 W/kg**SAR(1 g) = 0.635 W/kg; SAR(10 g) = 0.516 W/kg**Maximum value of SAR (measured) = 0.657 W/kg0 dB = 0.657 W/kg = -1.82 dBW/kg

Plot 74#: FM 12.5kHz_136.0125MHz_Body Back _Antenna 5**DUT: Two Way Radio; Type: T03-00312-BAAA; Serial: CR22030024-SA-S3**

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

Medium parameters used: $f = 136.012$ MHz; $\sigma = 0.756$ S/m; $\epsilon_r = 62.387$; $\rho = 1000$ 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.59 W/kg

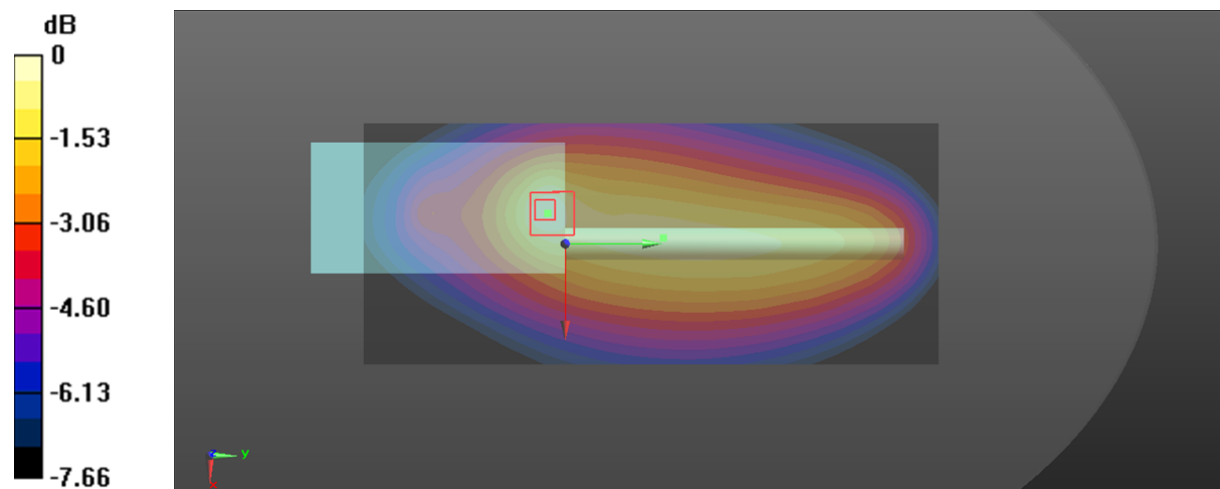
Zoom Scan (5x6x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 88.56 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 12.1 W/kg

SAR(1 g) = 6.88 W/kg; SAR(10 g) = 4.69 W/kg

Maximum value of SAR (measured) = 7.27 W/kg



0 dB = 7.27 W/kg = 8.62 dBW/kg

Plot 75#: FM 12.5kHz_150.0125MHz_Body Back_Antenna 6**DUT: Two Way Radio; Type: T03-00312-BAAA; Serial: CR22030024-SA-S3**

Communication System: FM; Frequency: 150.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 150.012$ MHz; $\sigma = 0.794$ S/m; $\epsilon_r = 61.885$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.51, 7.51, 7.51) @ 150.012 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 (81x191x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.45 W/kg

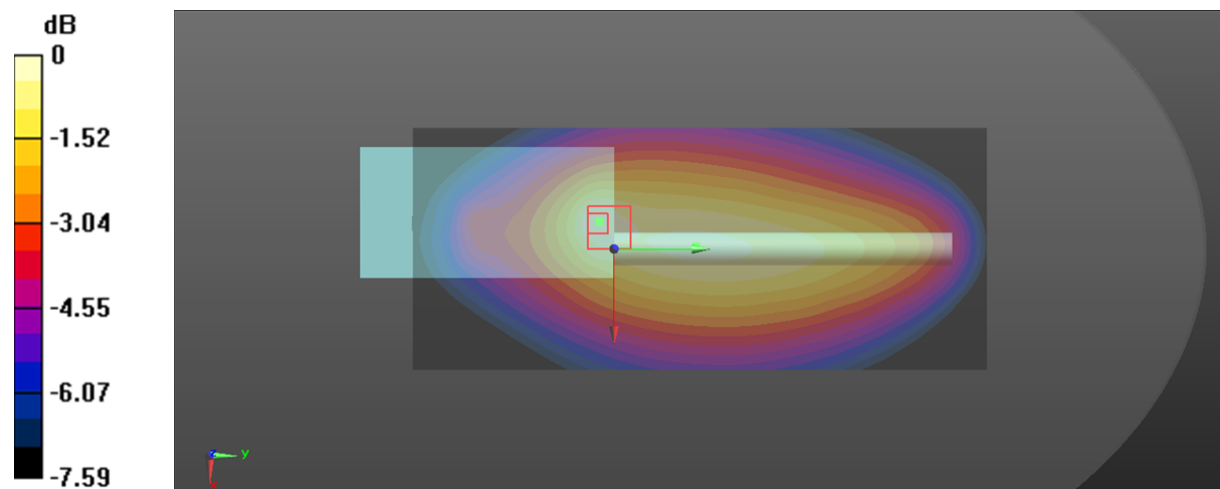
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 84.22 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 9.52 W/kg

SAR(1 g) = 5.8 W/kg; SAR(10 g) = 4.12 W/kg

Maximum value of SAR (measured) = 6.17 W/kg



0 dB = 6.17 W/kg = 7.90 dBW/kg