

Test Plot 1#: 4FSK_12.5kHz_Face up_400.0125MHz

DUT: Two-way Radio; Type: DM-580; Serial: 17060605221

Communication System: 4FSK; Frequency: 400.0125 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 400.0125$ MHz; $\sigma = 0.884$ S/m; $\epsilon_r = 43.572$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.47 W/kg

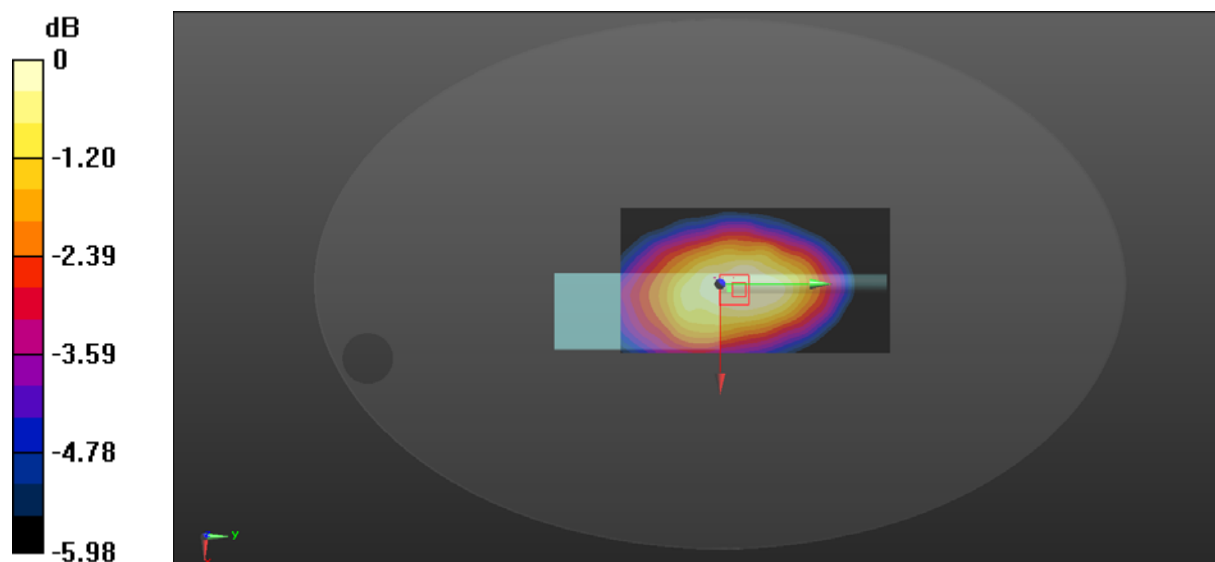
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 65.20 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 4.89 W/kg

SAR(1 g) = 3.39 W/kg; SAR(10 g) = 2.65 W/kg

Maximum value of SAR (measured) = 4.21 W/kg



0 dB = 4.21 W/kg = 6.24 dBW/kg

Test Plot 2#:4FSK_12.5kHz_Face up_418MHz**DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

Communication System: 4FSK; Frequency: 418 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 418 \text{ MHz}$; $\sigma = 0.889 \text{ S/m}$; $\epsilon_r = 43.519$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

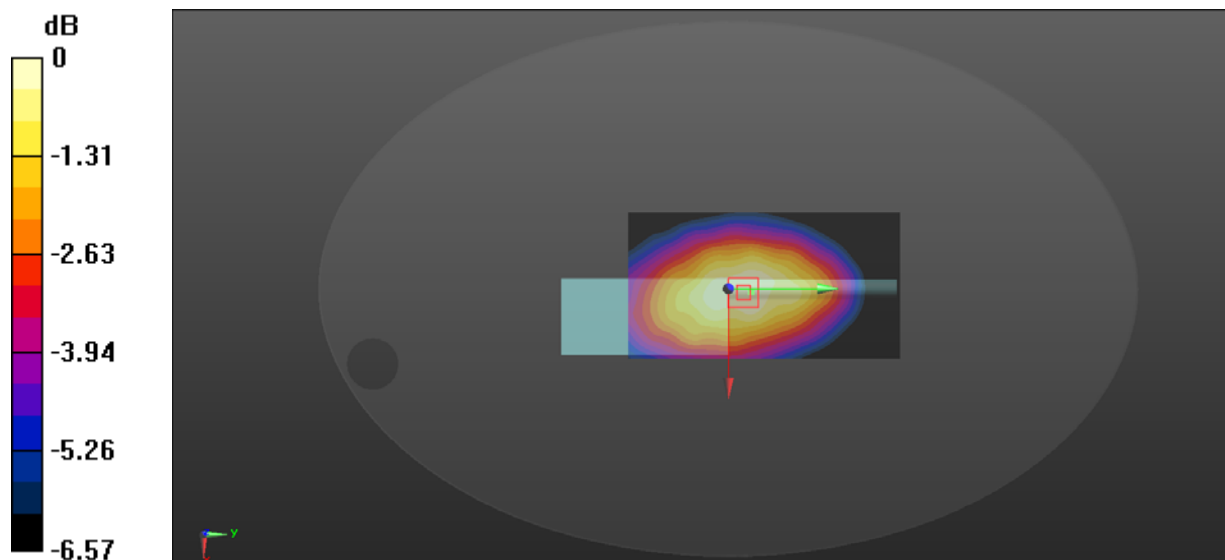
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 61.32 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 5.20 W/kg

SAR(1 g) = 3.42 W/kg; SAR(10 g) = 2.64 W/kg

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



0 dB = 4.37 W/kg = 6.40 dBW/kg

Test Plot 3#:4FSK_12.5kHz_Face up_436MHz

DUT: Two-way Radio; Type: DM-580; Serial: 17060605221

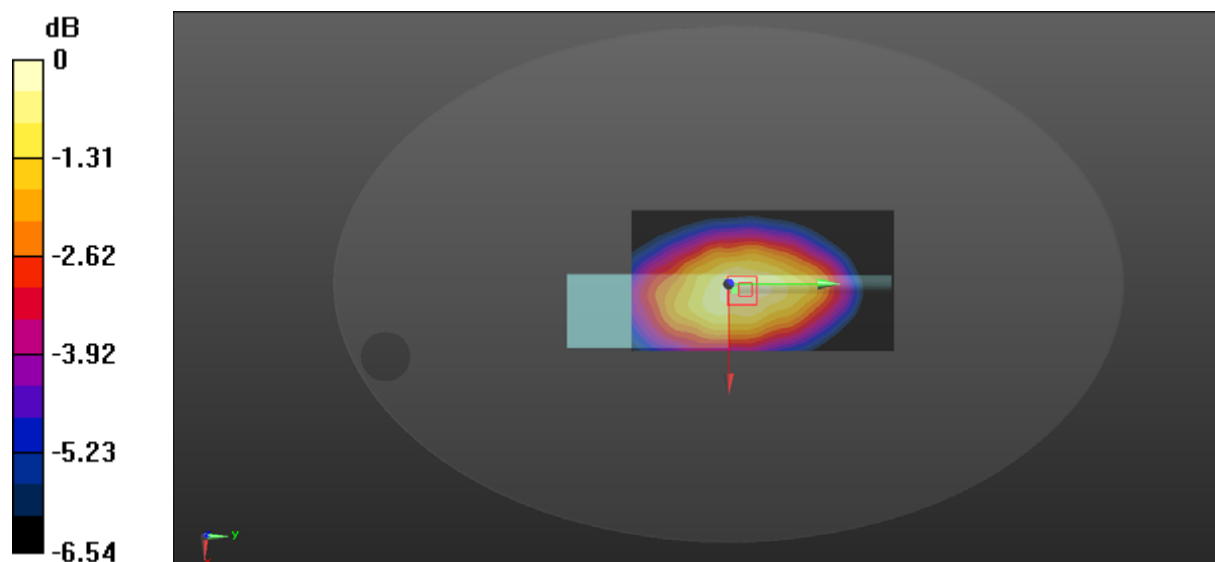
Communication System: 4FSK; Frequency: 436 MHz;Duty Cycle: 1:2
 Medium parameters used: $f = 436 \text{ MHz}$; $\sigma = 0.892 \text{ S/m}$; $\epsilon_r = 43.327$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Maximum value of SAR (interpolated) = 2.83 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
 Reference Value = 48.70 V/m; Power Drift = 0.11 dB
 Peak SAR (extrapolated) = 3.52 W/kg
SAR(1 g) = 2.19 W/kg; SAR(10 g) = 1.68 W/kg
 Maximum value of SAR (measured) = 2.90 W/kg



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

Test Plot 4#:4FSK_12.5kHz_Face up_452MHz**DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

Communication System: 4FSK; Frequency: 452 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 452$ MHz; $\sigma = 0.904$ S/m; $\epsilon_r = 43.154$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.28 W/kg

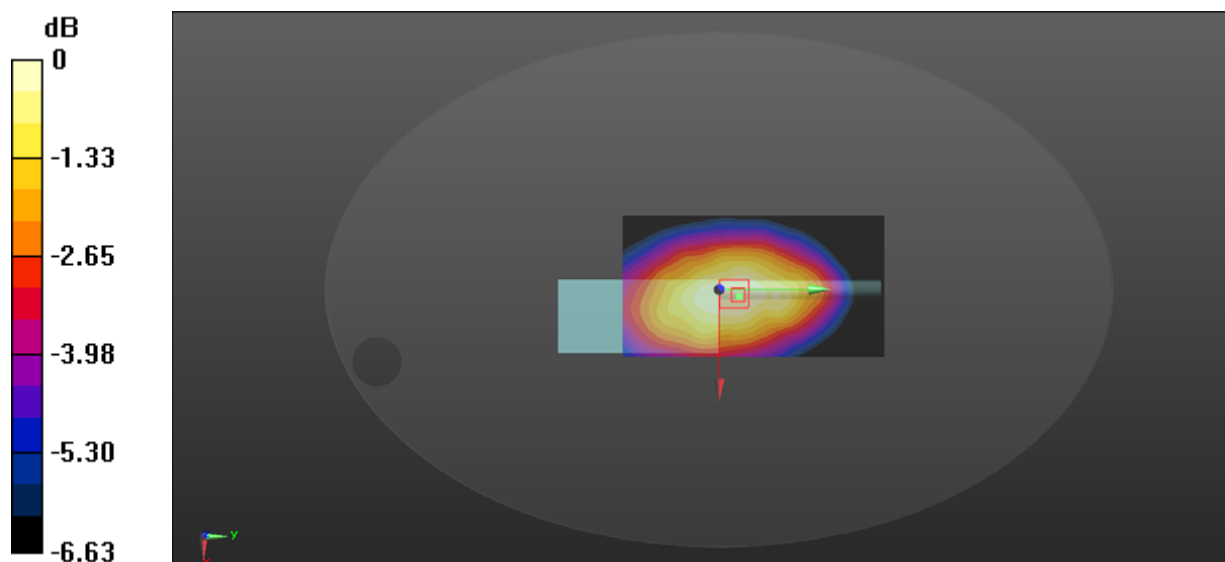
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 44.99 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 2.55 W/kg

SAR(1 g) = 1.74 W/kg; SAR(10 g) = 1.31 W/kg

Maximum value of SAR (measured) = 2.20 W/kg



0 dB = 2.20 W/kg = 3.42 dBW/kg

Test Plot 5#:4FSK_12.5kHz_Face up_469.9875MHz**DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

Communication System: 4FSK; Frequency: 469.9875 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 469.9875$ MHz; $\sigma = 0.911$ S/m; $\epsilon_r = 43.012$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 2.41 W/kg

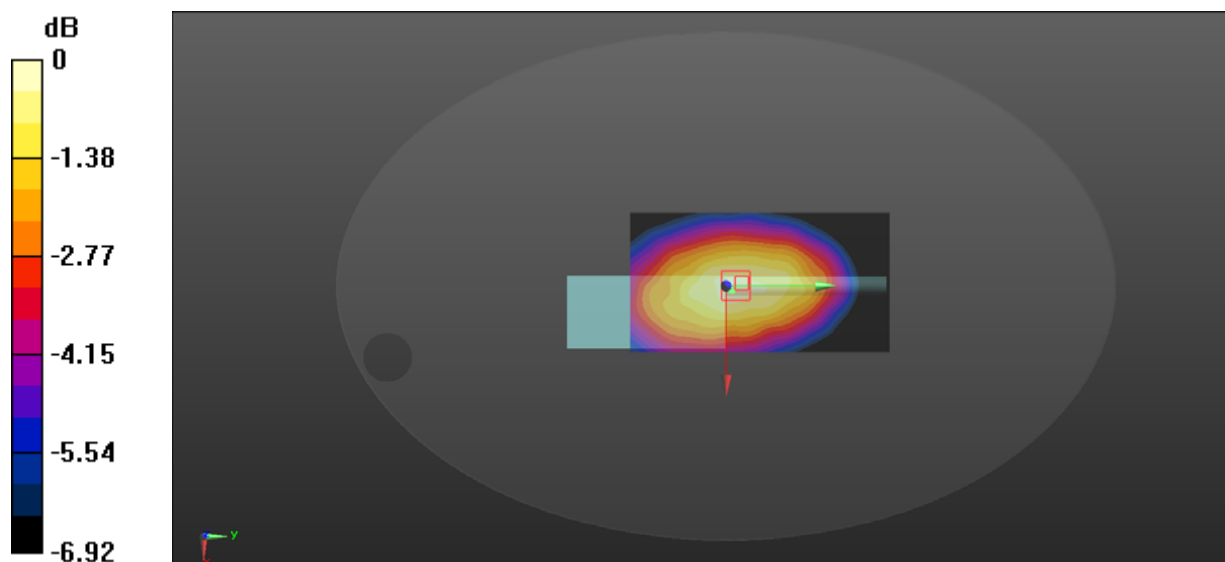
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 46.80 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.96 W/kg

SAR(1 g) = 1.87 W/kg; SAR(10 g) = 1.41 W/kg

Maximum value of SAR (measured) = 2.46 W/kg



0 dB = 2.46 W/kg = 3.91 dBW/kg

Test Plot 6#:4FSK_12.5kHz_Body Back_400.0125MHz

DUT: Two-way Radio; Type: DM-580; Serial: 17060605221

Communication System: 4FSK; Frequency: 400.0125 MHz;Duty Cycle: 1:2

Medium parameters used: $f = 400.0125$ MHz; $\sigma = 0.945$ S/m; $\epsilon_r = 56.386$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.87 W/kg

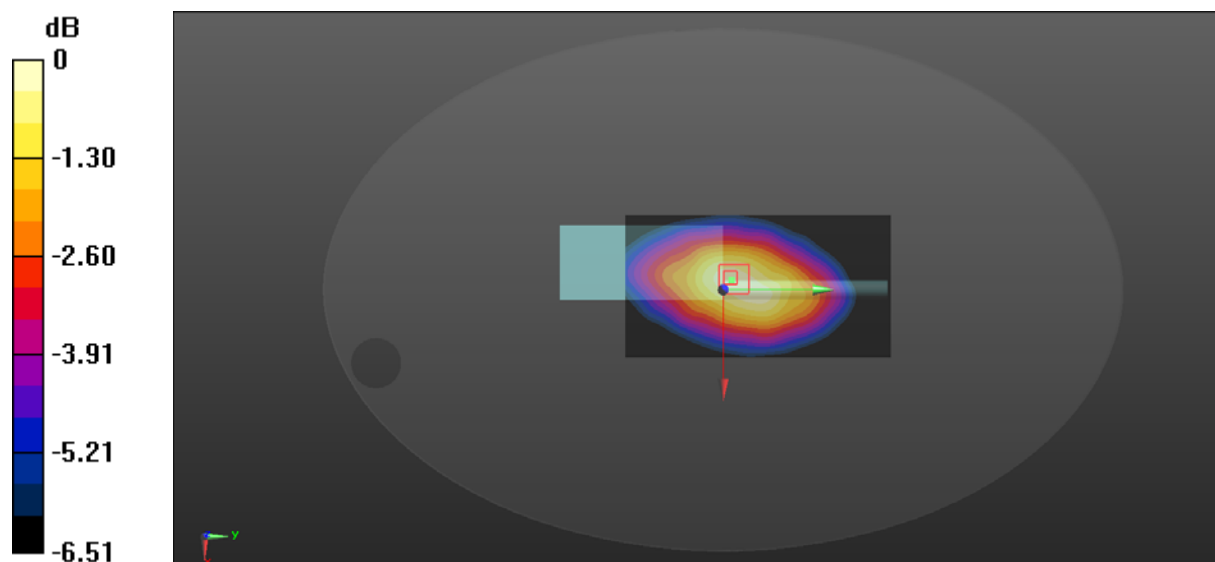
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 71.88 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 7.05 W/kg

SAR(1 g) = 5.01 W/kg; SAR(10 g) = 4.01 W/kg

Maximum value of SAR (measured) = 6.00 W/kg



0 dB = 6.00 W/kg = 7.78 dBW/kg

Test Plot 7#:4FSK_12.5kHz_Body Back_418MHz

DUT: Two-way Radio; Type: DM-580; Serial: 17060605221

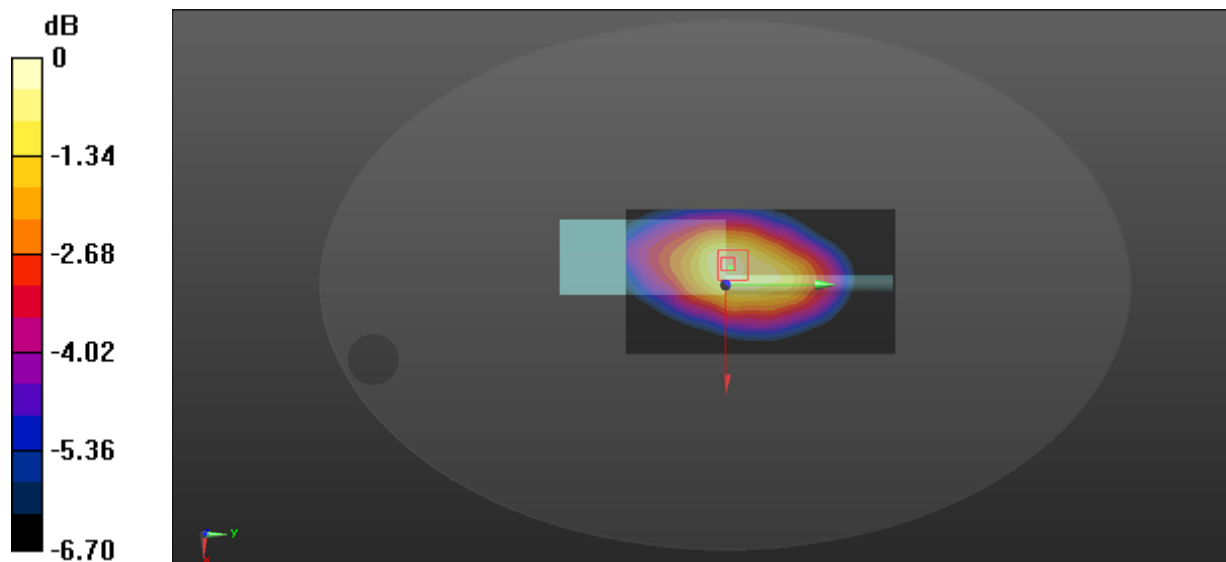
Communication System: 4FSK; Frequency: 418 MHz;Duty Cycle: 1:2
 Medium parameters used: $f = 418 \text{ MHz}$; $\sigma = 0.951 \text{ S/m}$; $\epsilon_r = 56.374$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Maximum value of SAR (interpolated) = 5.51 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
 Reference Value = 69.72 V/m; Power Drift = -0.07 dB
 Peak SAR (extrapolated) = 6.57 W/kg
SAR(1 g) = 4.8 W/kg; SAR(10 g) = 3.86 W/kg
 Maximum value of SAR (measured) = 5.73 W/kg



0 dB = 5.73 W/kg = 7.58 dBW/kg

Test Plot 8#:4FSK_12.5kHz_Body Back_436MHz**DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

Communication System: 4FSK; Frequency: 436 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 436$ MHz; $\sigma = 0.955$ S/m; $\epsilon_r = 56.173$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.73 W/kg

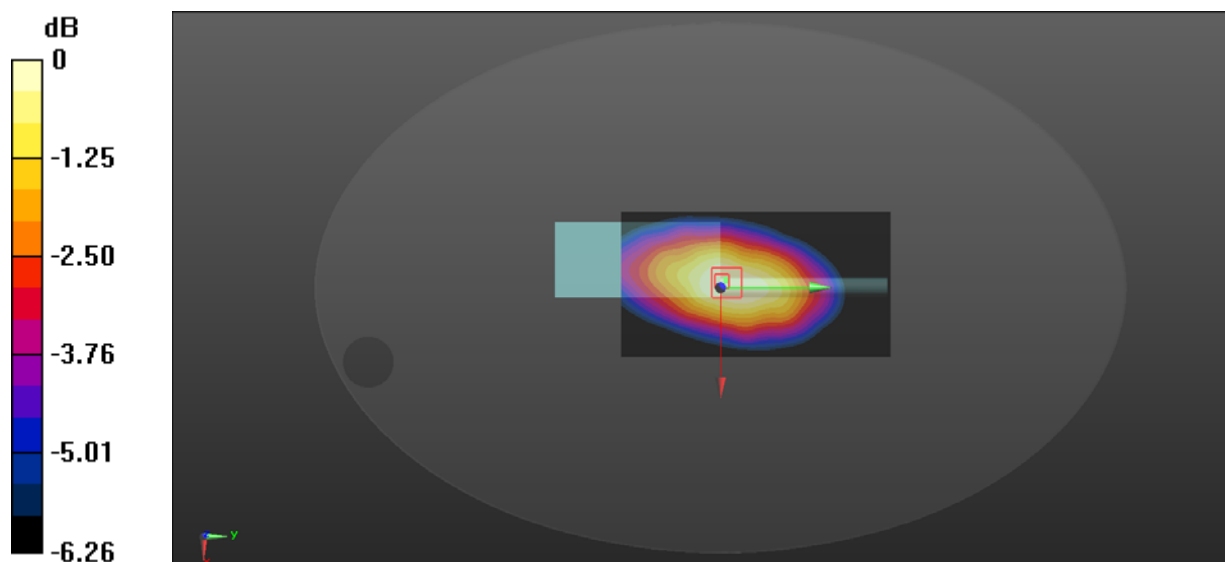
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 55.87 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 4.09 W/kg

SAR(1 g) = 2.92 W/kg; SAR(10 g) = 2.29 W/kg

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



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

Test Plot 9#:4FSK_12.5kHz_Body Back_452MHz

DUT: Two-way Radio; Type: DM-580; Serial: 17060605221

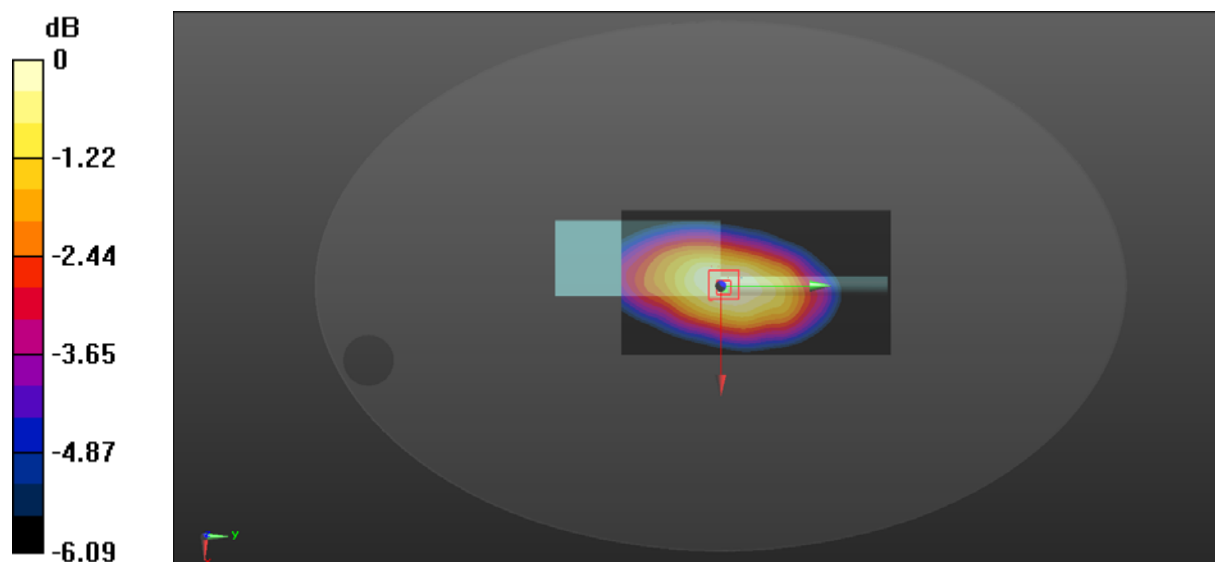
Communication System: 4FSK; Frequency: 452 MHz;Duty Cycle: 1:2
 Medium parameters used: $f = 452 \text{ MHz}$; $\sigma = 0.963 \text{ S/m}$; $\epsilon_r = 56.007$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$
 Maximum value of SAR (interpolated) = 2.94 W/kg

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
 Reference Value = 49.13 V/m; Power Drift = 0.01 dB
 Peak SAR (extrapolated) = 3.23 W/kg
SAR(1 g) = 2.29 W/kg; SAR(10 g) = 1.79 W/kg
 Maximum value of SAR (measured) = 2.80 W/kg



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

Test Plot 10#:4FSK_12.5kHz_Body Back_469.9875MHz

DUT: Two-way Radio; Type: DM-580; Serial: 17060605221

Communication System: 4FSK; Frequency: 469.9875 MHz;Duty Cycle: 1:2

Medium parameters used: $f = 469.9875 \text{ MHz}$; $\sigma = 0.974 \text{ S/m}$; $\epsilon_r = 56.128$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

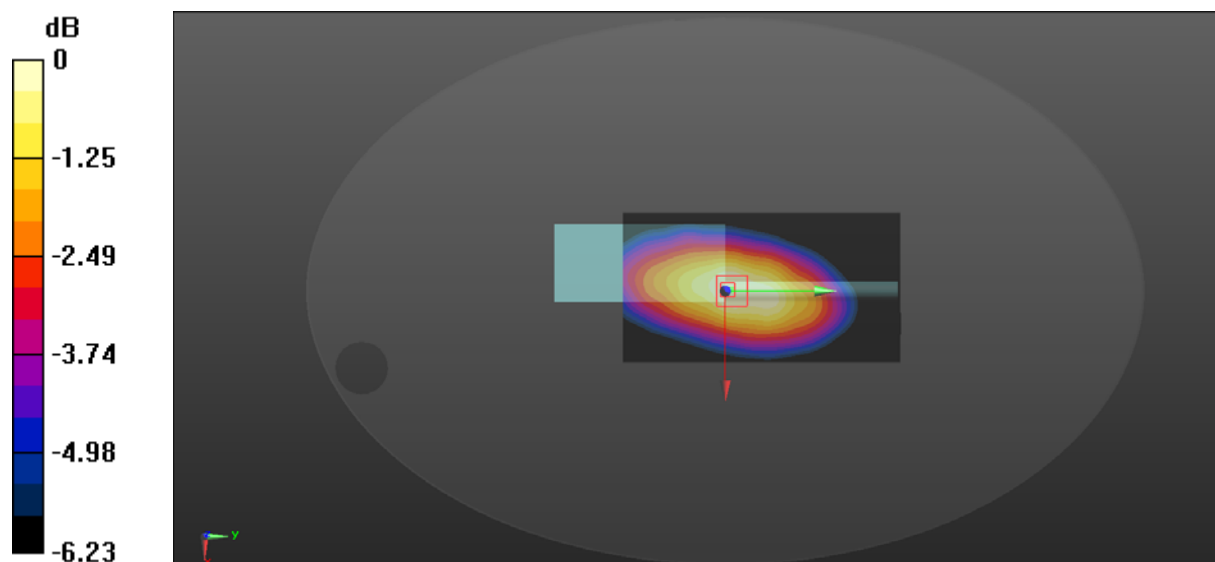
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 52.82 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 3.57 W/kg

SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.91 W/kg

Maximum value of SAR (measured) = 3.08 W/kg



0 dB = 3.08 W/kg = 4.89 dBW/kg

Test Plot 11#:FM_12.5kHz_Face Up_400.0125MHz

DUT: Two-way Radio; Type: DM-580; Serial: 17060605221

Communication System: FM; Frequency: 400.0125 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 400.0125 \text{ MHz}$; $\sigma = 0.884 \text{ S/m}$; $\epsilon_r = 43.572$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 10.2 W/kg

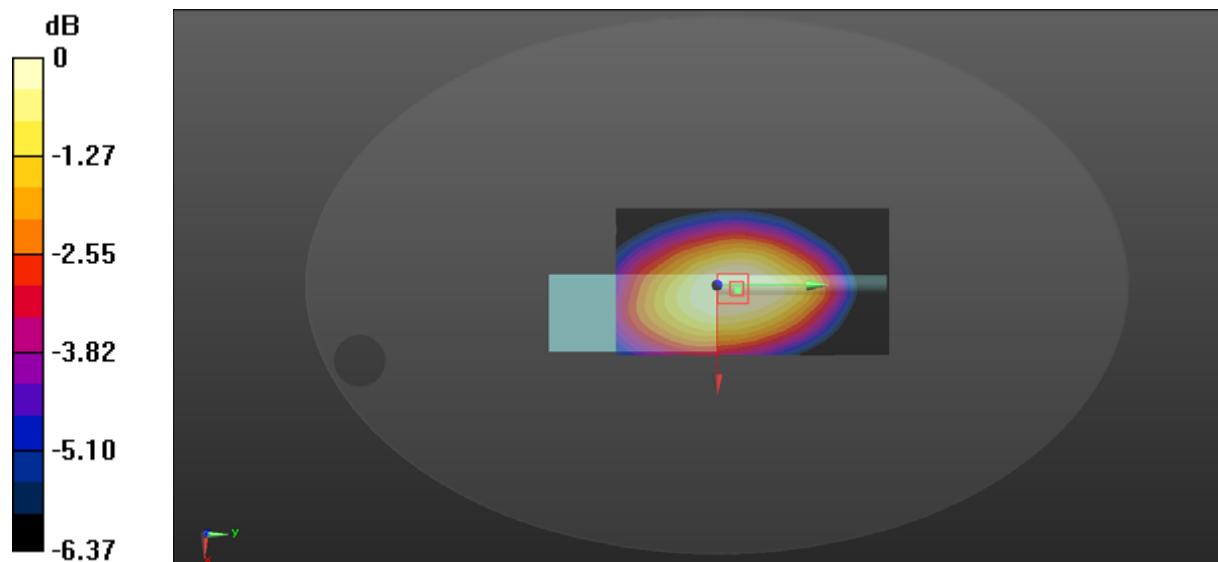
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 96.50 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 10.8 W/kg

SAR(1 g) = 7.35 W/kg; SAR(10 g) = 5.72 W/kg

Maximum value of SAR (measured) = 9.34 W/kg



0 dB = 9.34 W/kg = 9.70 dBW/kg

Test Plot 12#: FM_12.5kHz_Face Up_418MHz

DUT: Two-way Radio; Type: DM-580; Serial: 17060605221

Communication System: FM; Frequency: 418 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418 \text{ MHz}$; $\sigma = 0.889 \text{ S/m}$; $\epsilon_r = 43.519$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

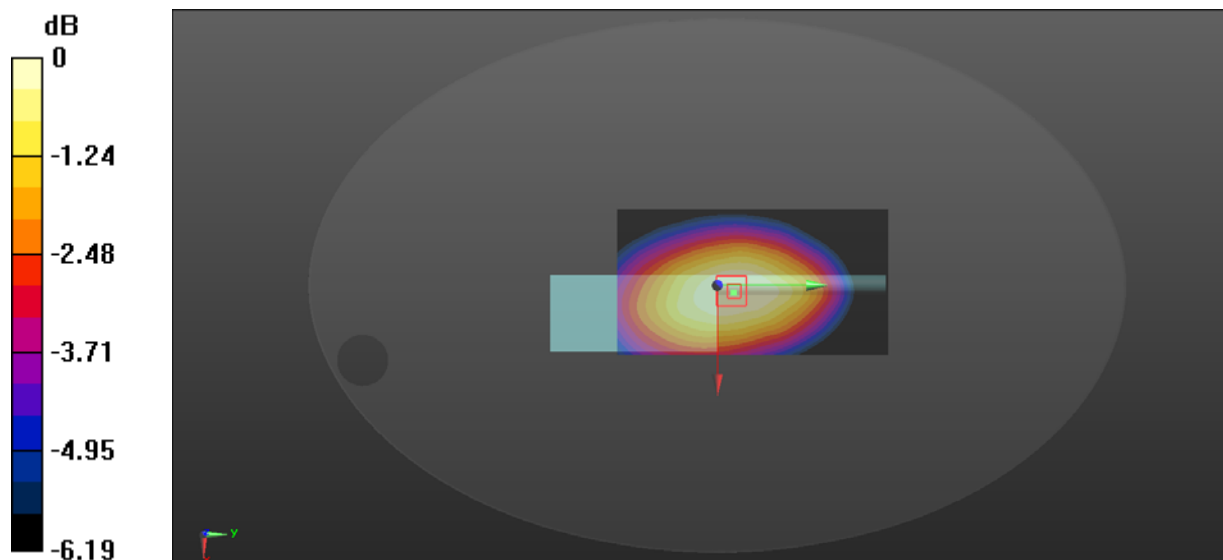
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 87.81 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 8.67 W/kg

SAR(1 g) = 6.17 W/kg; SAR(10 g) = 4.78 W/kg

Maximum value of SAR (measured) = 7.66 W/kg



0 dB = 7.66 W/kg = 8.84 dBW/kg

Test Plot 13#: FM_12.5kHz_Face Up_436MHz**DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

Communication System: FM; Frequency: 436 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 436$ MHz; $\sigma = 0.892$ S/m; $\epsilon_r = 43.327$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.18 W/kg

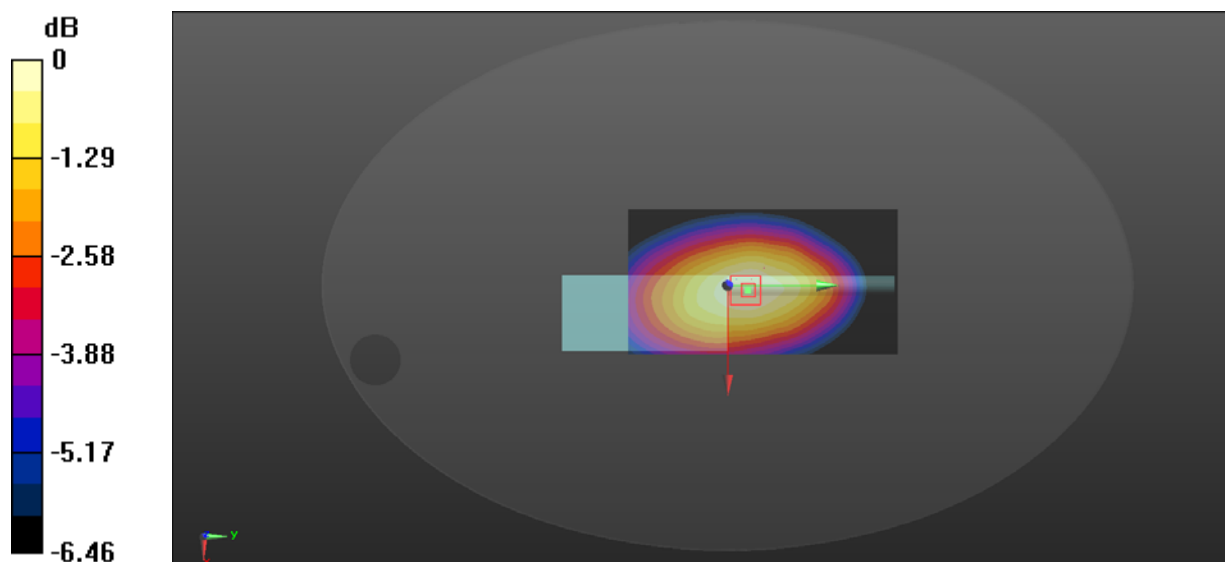
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 69.38 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 5.85 W/kg

SAR(1 g) = 4.08 W/kg; SAR(10 g) = 3.13 W/kg

Maximum value of SAR (measured) = 5.14 W/kg



0 dB = 5.14 W/kg = 7.11 dBW/kg

Test Plot 14#: FM_12.5kHz_Face Up_452MHz

DUT: Two-way Radio; Type: DM-580; Serial: 17060605221

Communication System: FM; Frequency: 452 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 452 \text{ MHz}$; $\sigma = 0.904 \text{ S/m}$; $\epsilon_r = 43.154$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 3.90 W/kg

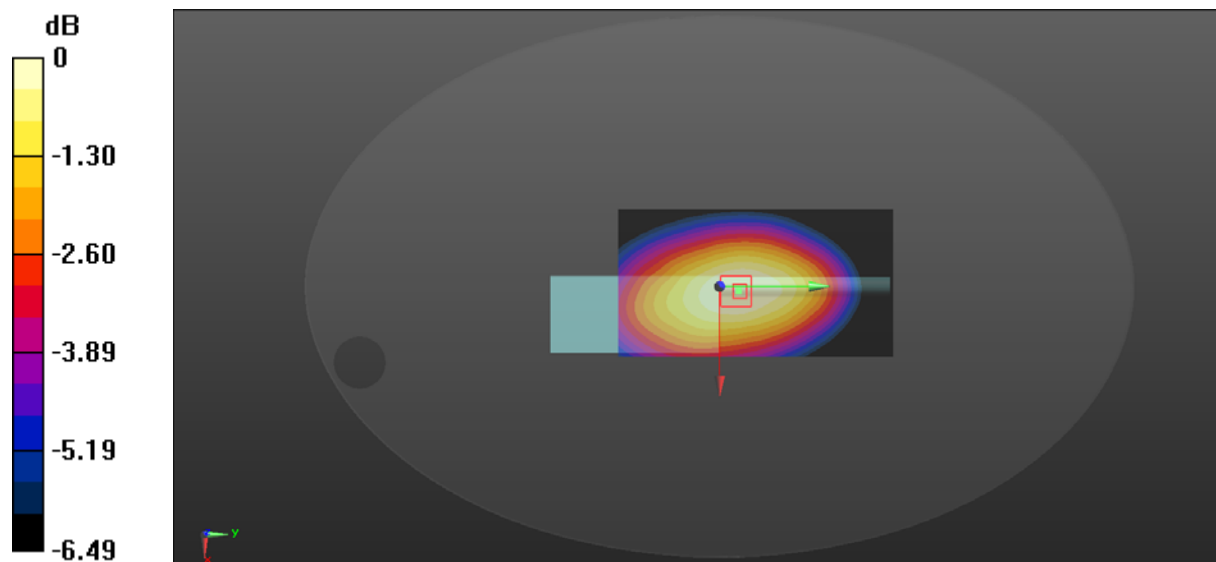
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 60.43 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 4.30 W/kg

SAR(1 g) = 3.02 W/kg; SAR(10 g) = 2.31 W/kg

Maximum value of SAR (measured) = 3.78 W/kg



0 dB = 3.78 W/kg = 5.77 dBW/kg

Test Plot 15#: FM_12.5kHz_Face Up_469.9875MHz

DUT: Two-way Radio; Type: DM-580; Serial: 17060605221

Communication System: FM; Frequency: 469.9875 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 469.9875 \text{ MHz}$; $\sigma = 0.911 \text{ S/m}$; $\epsilon_r = 43.012$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

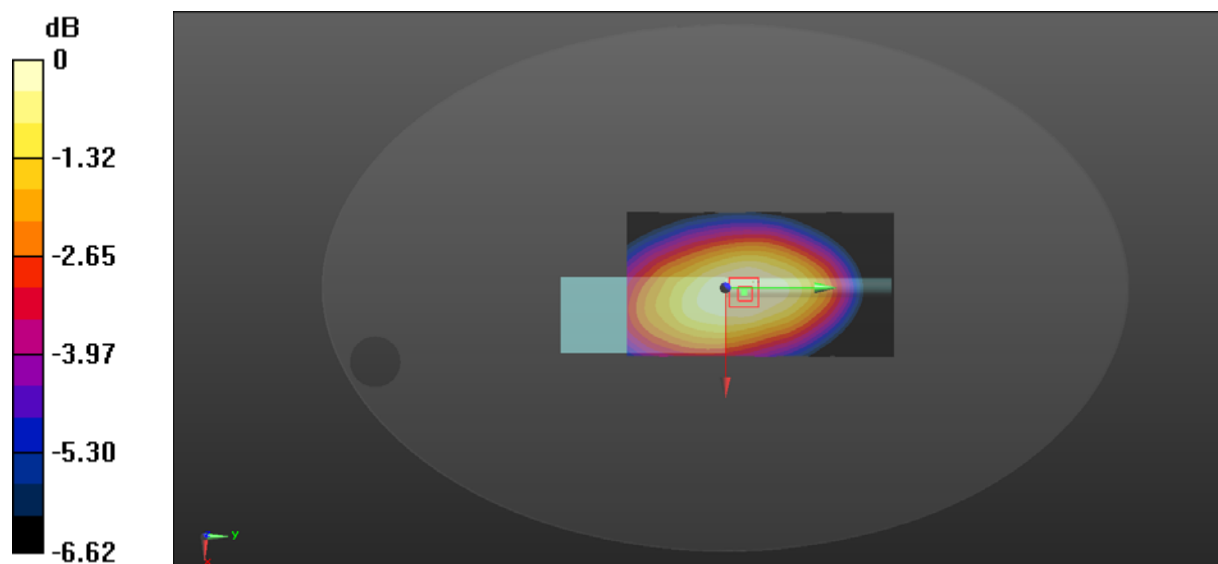
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 63.13 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 4.68 W/kg

SAR(1 g) = 3.26 W/kg; SAR(10 g) = 2.48 W/kg

Maximum value of SAR (measured) = 4.09 W/kg



0 dB = 4.09 W/kg = 6.12 dBW/kg

Test Plot 16#: FM_12.5kHz_Body Back_400.0125MHz**DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

Communication System: FM; Frequency: 400.0125 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 400.0125$ MHz; $\sigma = 0.945$ S/m; $\epsilon_r = 56.386$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 12.7 W/kg

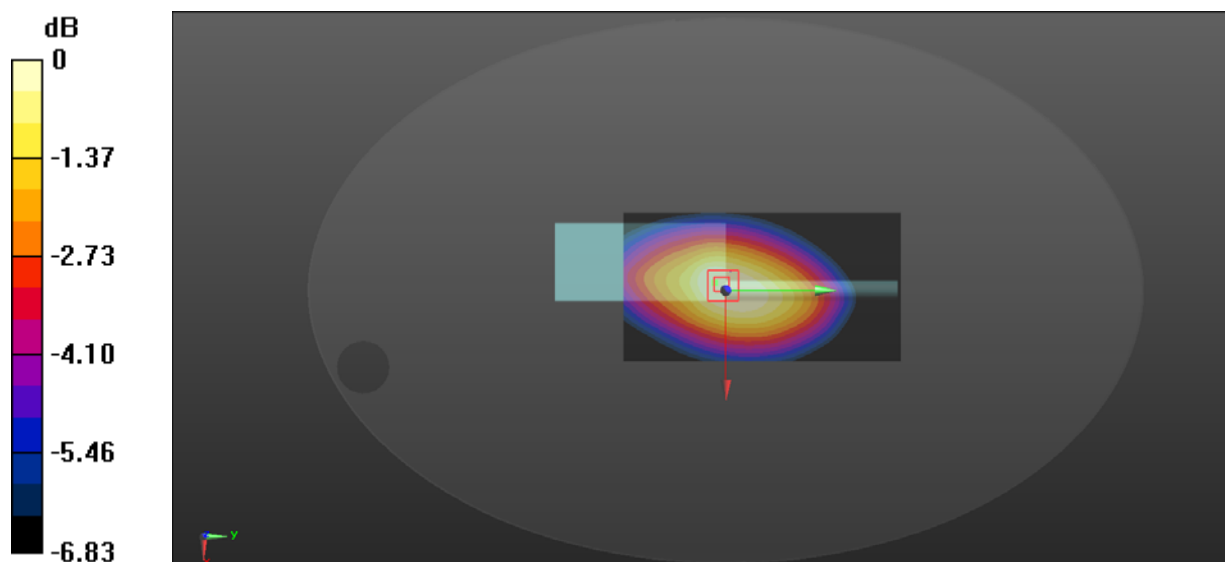
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 111.4 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 13.5 W/kg

SAR(1 g) = 9.75 W/kg; SAR(10 g) = 7.75 W/kg

Maximum value of SAR (measured) = 12.0 W/kg



0 dB = 12.0 W/kg = 10.79 dBW/kg

Test Plot 17#: FM_12.5kHz_Body Back_418MHz

DUT: Two-way Radio; Type: DM-580; Serial: 17060605221

Communication System: FM; Frequency: 418 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 418 \text{ MHz}$; $\sigma = 0.951 \text{ S/m}$; $\epsilon_r = 56.374$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 11.4 W/kg

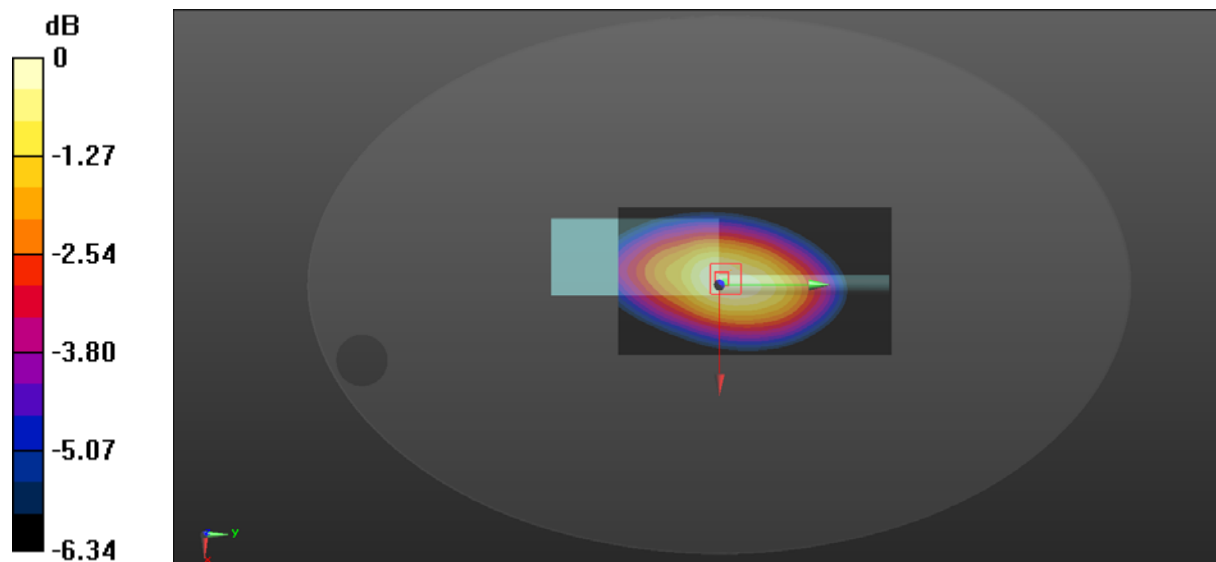
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 101.7 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 12.7 W/kg

SAR(1 g) = 9.26 W/kg; SAR(10 g) = 7.36 W/kg

Maximum value of SAR (measured) = 11.3 W/kg



0 dB = 11.3 W/kg = 10.53 dBW/kg

Test Plot 18#: FM_12.5kHz_Body Back_436MHz**DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

Communication System: FM; Frequency: 436 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 436$ MHz; $\sigma = 0.955$ S/m; $\epsilon_r = 56.173$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.01 W/kg

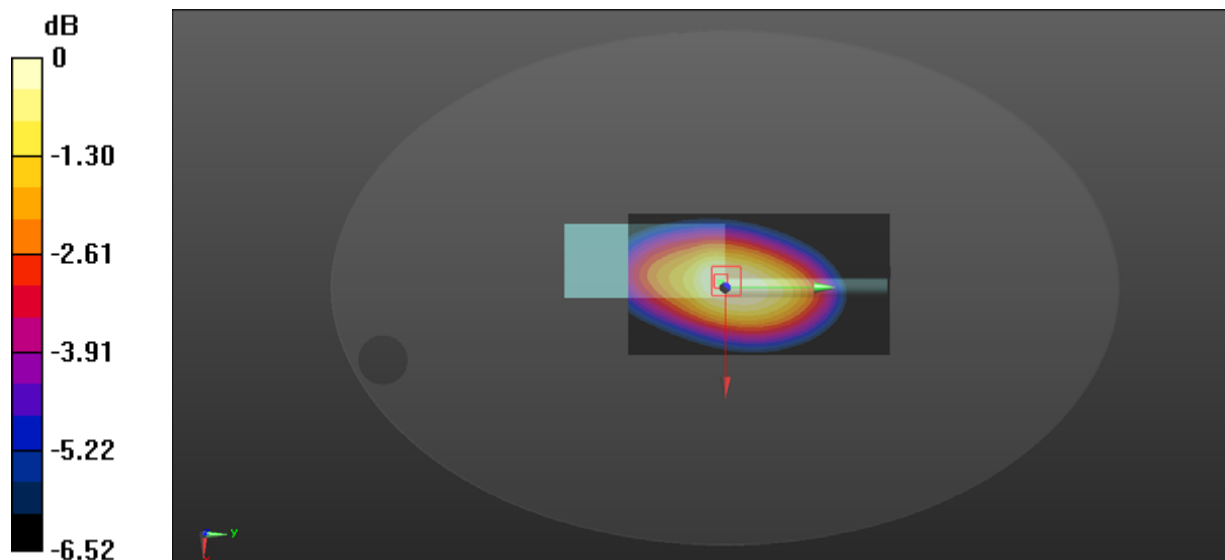
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 87.38 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 8.78 W/kg

SAR(1 g) = 6.16 W/kg; SAR(10 g) = 4.88 W/kg

Maximum value of SAR (measured) = 7.68 W/kg



0 dB = 7.68 W/kg = 8.85 dBW/kg

Test Plot 19#: FM_12.5kHz_Body Back_452MHz

DUT: Two-way Radio; Type: DM-580; Serial: 17060605221

Communication System: FM; Frequency: 452 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 452 \text{ MHz}$; $\sigma = 0.963 \text{ S/m}$; $\epsilon_r = 56.007$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x131x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 5.65 W/kg

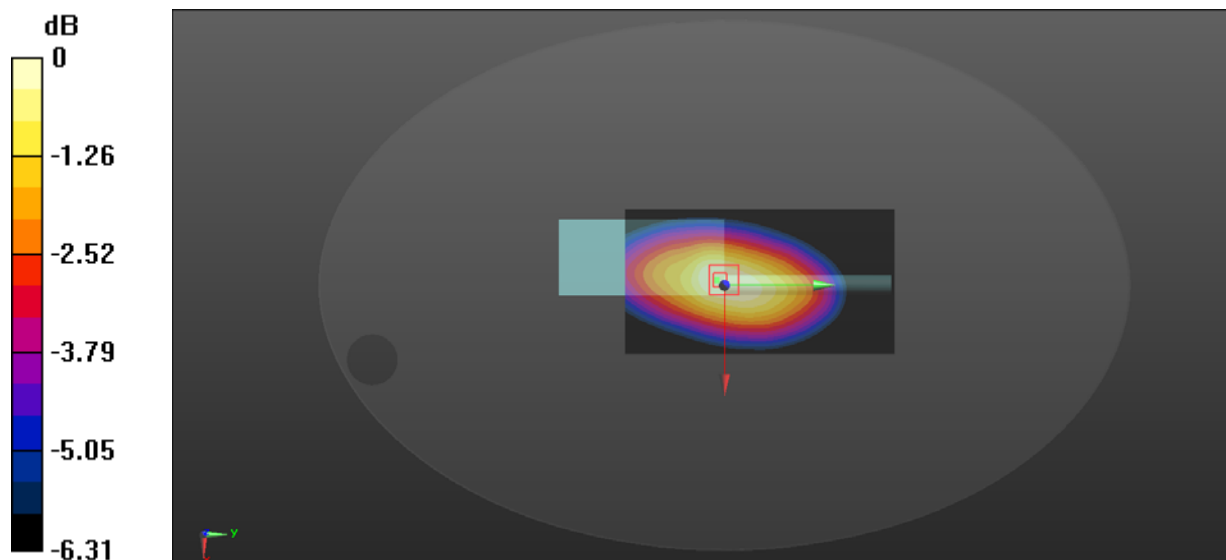
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 71.37 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 6.29 W/kg

SAR(1 g) = 4.37 W/kg; SAR(10 g) = 3.46 W/kg

Maximum value of SAR (measured) = 5.51 W/kg



0 dB = 5.51 W/kg = 7.41 dBW/kg

Test Plot 20#: FM_12.5kHz_Body Back_469.9875MHz**DUT: Two-way Radio; Type: DM-580; Serial: 17060605221**

Communication System: FM; Frequency: 469.9875 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 469.9875$ MHz; $\sigma = 0.974$ S/m; $\epsilon_r = 56.128$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (71x131x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.79 W/kg

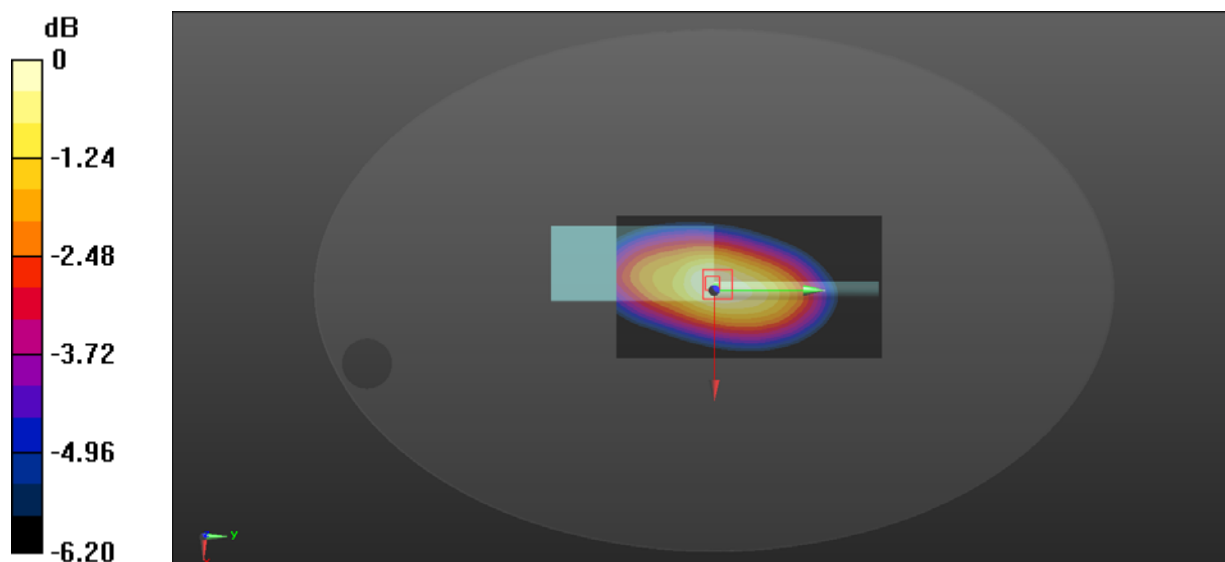
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 71.83 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 6.65 W/kg

SAR(1 g) = 4.57 W/kg; SAR(10 g) = 3.56 W/kg

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



0 dB = 5.67 W/kg = 7.54 dBW/kg