

**Test Plot 1#:FM\_12.5kHz\_400.0125MHz\_Face Up****DUT: Digital Portable Radio ; Type: GD90; Serial: SZ4210621-24599E-SA-S1**

Communication System: FM; Frequency: 400.012 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 400.012$  MHz;  $\sigma = 0.845$  S/m;  $\epsilon_r = 44.882$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

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

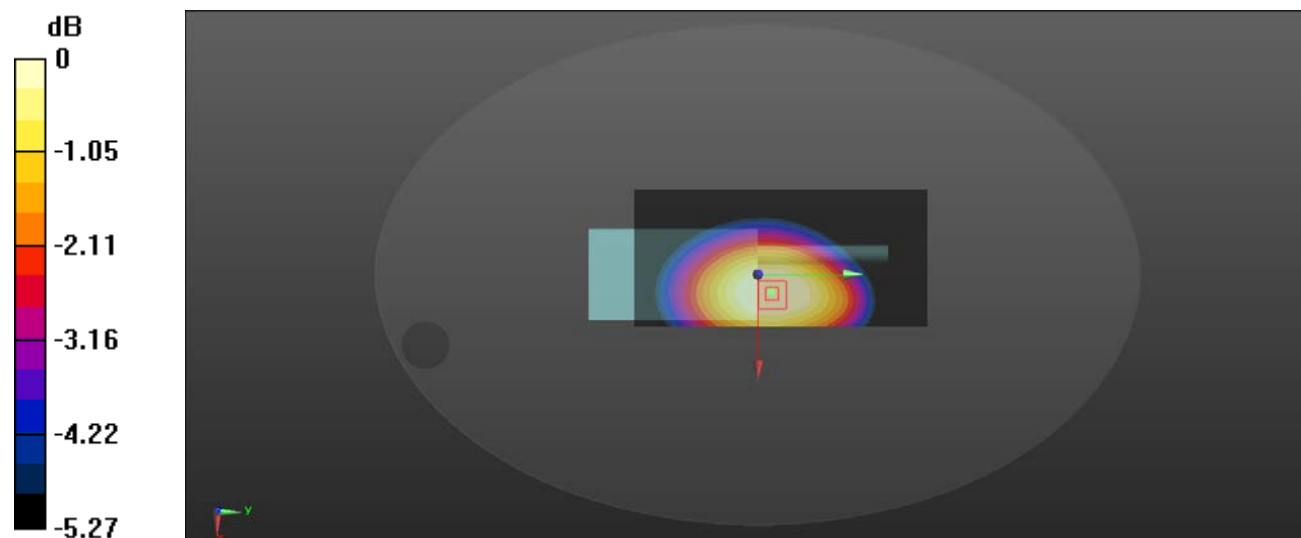
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 73.20 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 5.60 W/kg

**SAR(1 g) = 4.61 W/kg; SAR(10 g) = 3.67 W/kg**

Maximum value of SAR (measured) = 4.80 W/kg



0 dB = 4.80 W/kg = 6.81 dBW/kg

**Test Plot 2#: FM\_12.5kHz\_417.5125MHz\_Face Up****DUT: Digital Portable Radio ; Type: GD90; Serial: SZ4210621-24599E-SA-S1**

Communication System: FM; Frequency: 417.512 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 417.512$  MHz;  $\sigma = 0.853$  S/m;  $\epsilon_r = 44.713$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 417.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 8.86 W/kg

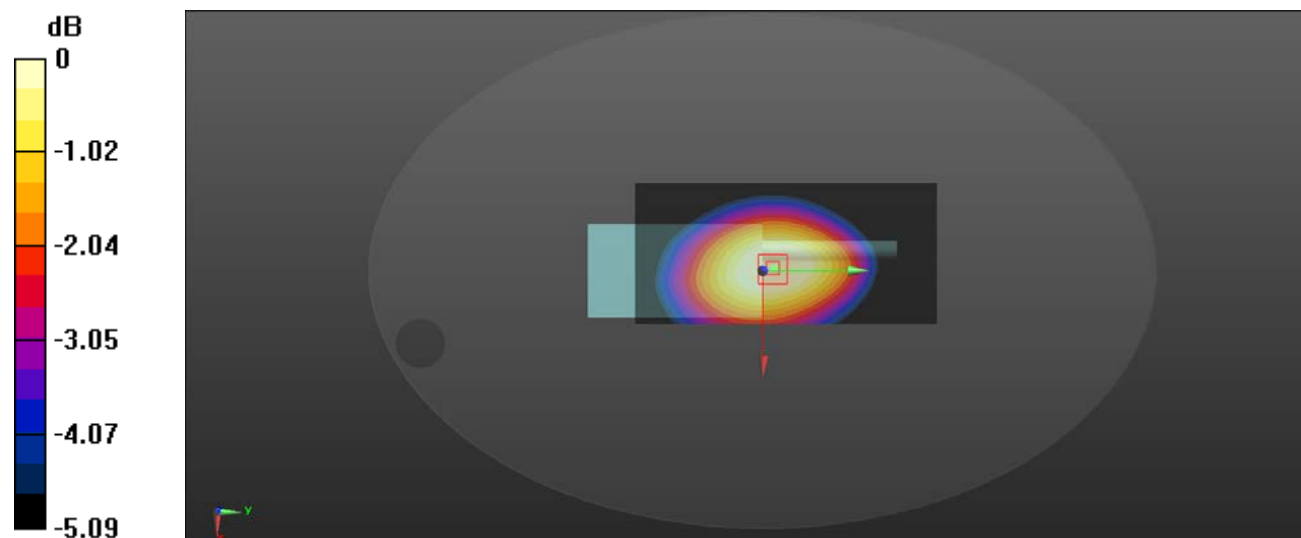
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 103.9 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 9.52 W/kg

**SAR(1 g) = 7.83 W/kg; SAR(10 g) = 6.23 W/kg**

Maximum value of SAR (measured) = 8.18 W/kg



0 dB = 8.18 W/kg = 9.13 dBW/kg

**Test Plot 3#: FM\_12.5kHz\_435MHz\_Face Up****DUT: Digital Portable Radio ; Type: GD90; Serial: SZ4210621-24599E-SA-S1**

Communication System: FM; Frequency: 435 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 435$  MHz;  $\sigma = 0.866$  S/m;  $\epsilon_r = 44.551$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 435 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 7.86 W/kg

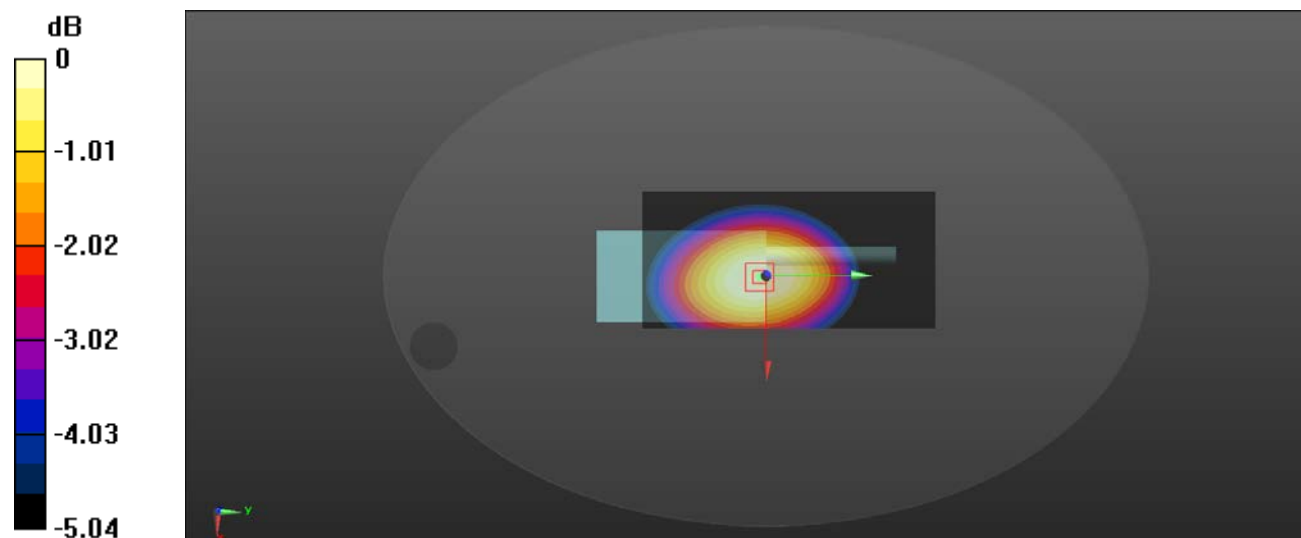
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 94.45 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 8.64 W/kg

**SAR(1 g) = 7.16 W/kg; SAR(10 g) = 5.72 W/kg**

Maximum value of SAR (measured) = 7.46 W/kg



0 dB = 7.46 W/kg = 8.73 dBW/kg

**Test Plot 4#: FM\_12.5kHz\_452.4875MHz\_Face Up****DUT: Digital Portable Radio ; Type: GD90; Serial: SZ4210621-24599E-SA-S1**

Communication System: FM; Frequency: 452.488 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 452.488$  MHz;  $\sigma = 0.883$  S/m;  $\epsilon_r = 44.229$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 452.488 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 5.72 W/kg

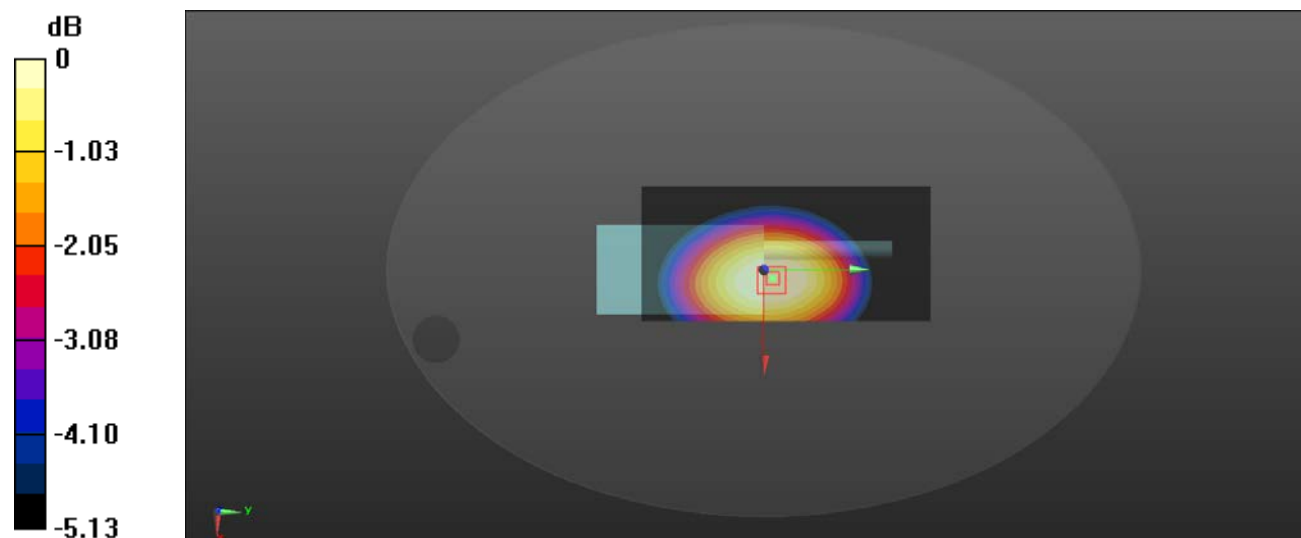
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 79.20 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 6.25 W/kg

**SAR(1 g) = 5.2 W/kg; SAR(10 g) = 4.17 W/kg**

Maximum value of SAR (measured) = 5.42 W/kg



0 dB = 5.42 W/kg = 7.34 dBW/kg

**Test Plot 5#: FM\_12.5kHz\_469.9875MHz\_Face Up****DUT: Digital Portable Radio ; Type: GD90; Serial: SZ4210621-24599E-SA-S1**

Communication System: FM; Frequency: 469.988 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 469.988$  MHz;  $\sigma = 0.894$  S/m;  $\epsilon_r = 44.124$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 469.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

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

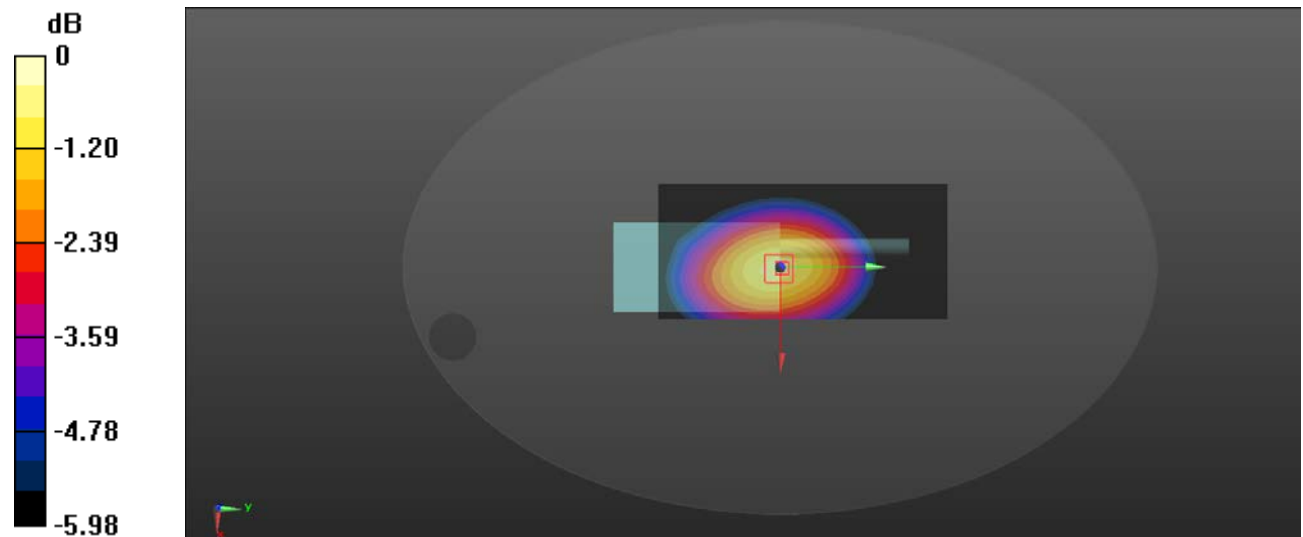
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 56.63 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 4.19 W/kg

**SAR(1 g) = 2.93 W/kg; SAR(10 g) = 2.17 W/kg**

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



0 dB = 3.21 W/kg = 5.07 dBW/kg

**Test Plot 6#:4FSK\_417.5125MHz\_Face Up****DUT: Digital Portable Radio ; Type: GD90; Serial: SZ4210621-24599E-SA-S1**

Communication System: 4FSK; Frequency: 417.512 MHz;Duty Cycle: 1:2

Medium parameters used:  $f = 417.512$  MHz;  $\sigma = 0.853$  S/m;  $\epsilon_r = 44.713$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 417.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 3.64 W/kg

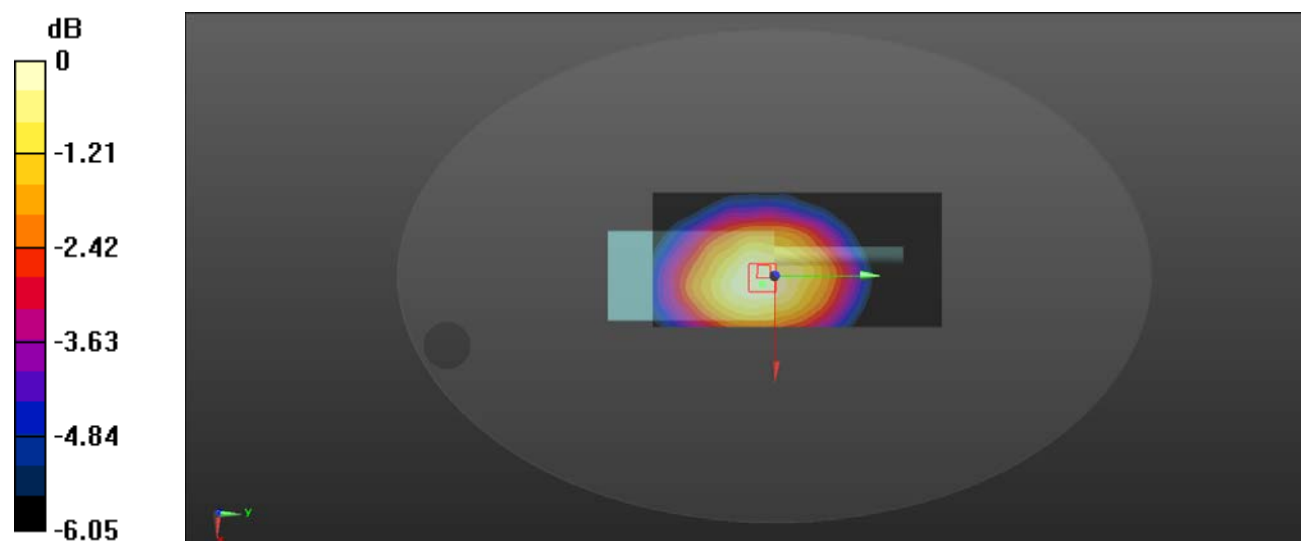
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 61.55 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 4.97 W/kg

**SAR(1 g) = 3.47 W/kg; SAR(10 g) = 2.72 W/kg**

Maximum value of SAR (measured) = 3.64 W/kg



0 dB = 3.64 W/kg = 5.61 dBW/kg

**Test Plot 7#: FM\_12.5kHz\_400.0125MHz\_Body Back****DUT: Digital Portable Radio ; Type: GD90; Serial: SZ4210621-24599E-SA-S1**

Communication System: FM; Frequency: 400.012 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 400.012$  MHz;  $\sigma = 0.845$  S/m;  $\epsilon_r = 44.882$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 400.012 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 7.39 W/kg

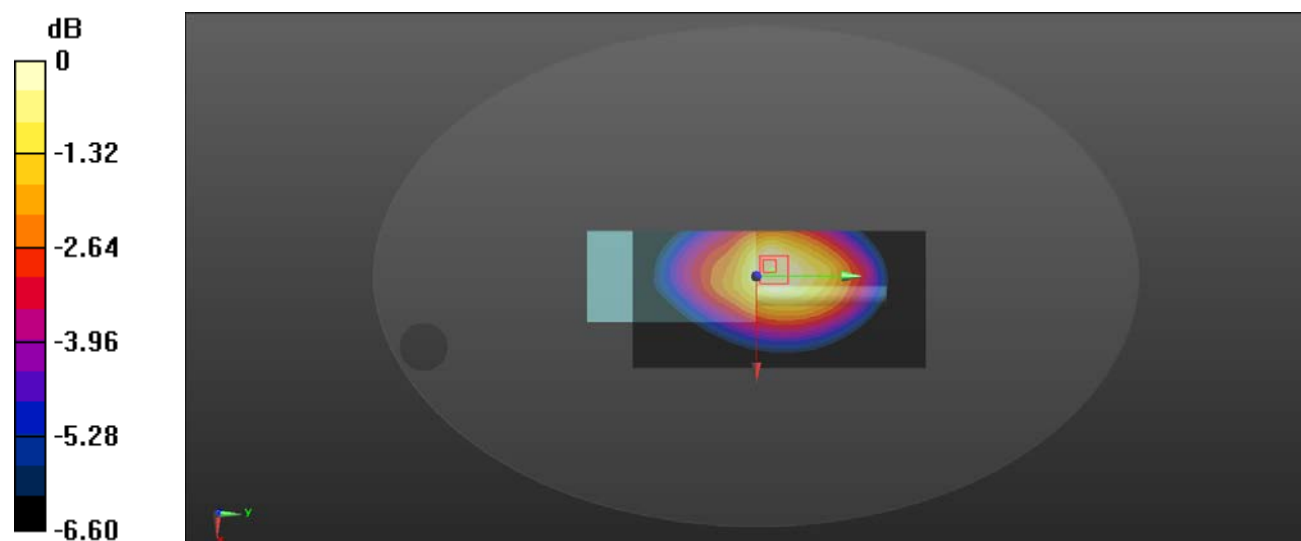
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 78.10 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 8.70 W/kg

**SAR(1 g) = 6.52 W/kg; SAR(10 g) = 4.95 W/kg**

Maximum value of SAR (measured) = 6.74 W/kg



0 dB = 6.74 W/kg = 8.29 dBW/kg

**Test Plot 8#: FM\_12.5kHz\_417.5125MHz \_Body Back****DUT: Digital Portable Radio ; Type: GD90; Serial: SZ4210621-24599E-SA-S1**

Communication System: FM; Frequency: 417.512 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 417.512$  MHz;  $\sigma = 0.853$  S/m;  $\epsilon_r = 44.713$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 417.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

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

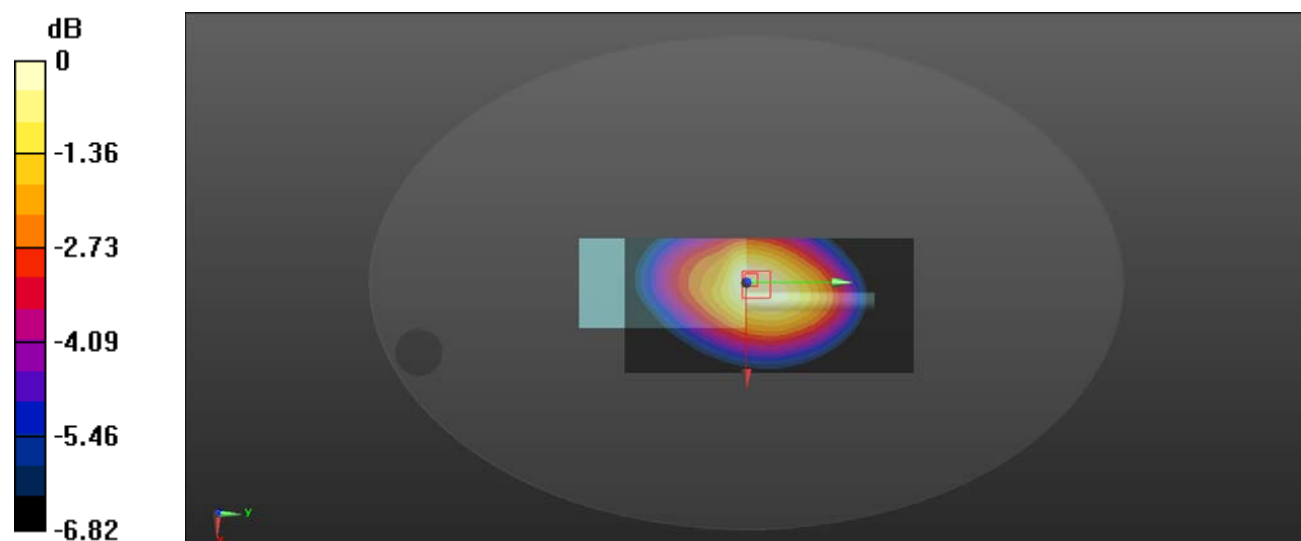
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 127.5 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 15.1 W/kg

**SAR(1 g) = 11.5 W/kg; SAR(10 g) = 8.77 W/kg**

Maximum value of SAR (measured) = 12.1 W/kg



0 dB = 12.1 W/kg = 10.83 dBW/kg



**Test Plot 9#: FM\_12.5kHz\_435MHz \_Body Back****DUT: Digital Portable Radio ; Type: GD90; Serial: SZ4210621-24599E-SA-S1**

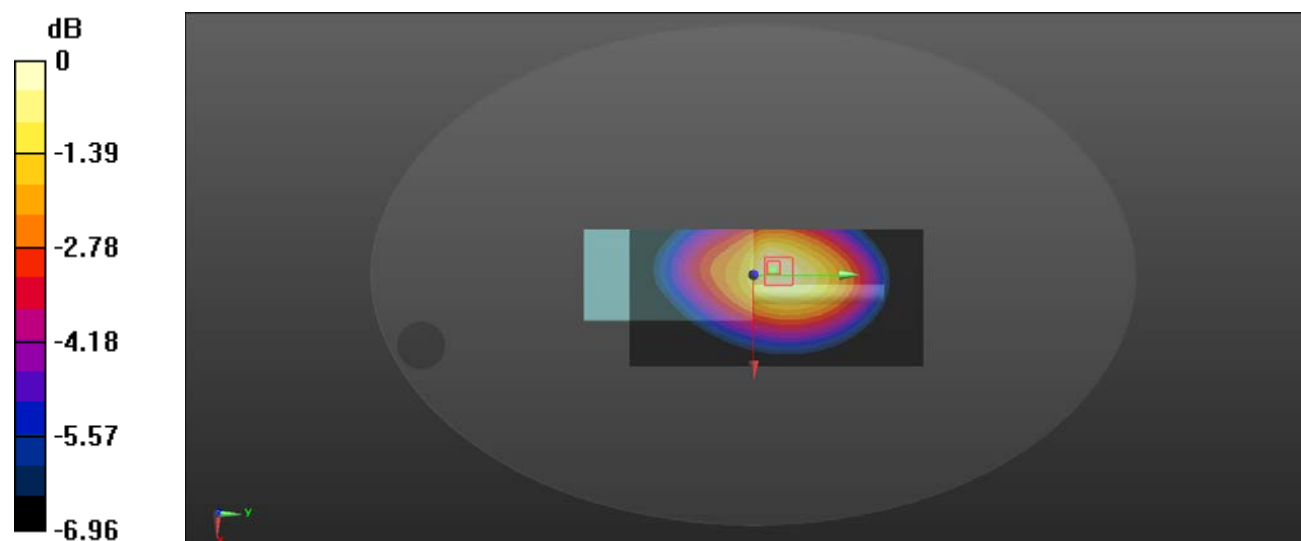
Communication System: FM; Frequency: 435 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 435 \text{ MHz}$ ;  $\sigma = 0.866 \text{ S/m}$ ;  $\epsilon_r = 44.551$ ;  $\rho = 1000 \text{ kg/m}^3$ 

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 435 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**/Area Scan (71x151x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $10.7 \text{ W/kg}$ **Zoom Scan (5x5x4)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $124.5 \text{ V/m}$ ; Power Drift =  $-0.01 \text{ dB}$ Peak SAR (extrapolated) =  $12.9 \text{ W/kg}$ **SAR(1 g) =  $9.68 \text{ W/kg}$ ; SAR(10 g) =  $7.29 \text{ W/kg}$** Maximum value of SAR (measured) =  $10.2 \text{ W/kg}$ 0 dB =  $10.2 \text{ W/kg}$  =  $10.09 \text{ dBW/kg}$

**Test Plot 10#: FM\_12.5kHz\_452.4875MHz \_Body Back****DUT: Digital Portable Radio ; Type: GD90; Serial: SZ4210621-24599E-SA-S1**

Communication System: FM; Frequency: 452.488 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 452.488$  MHz;  $\sigma = 0.883$  S/m;  $\epsilon_r = 44.229$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 452.488 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

Maximum value of SAR (interpolated) = 9.04 W/kg

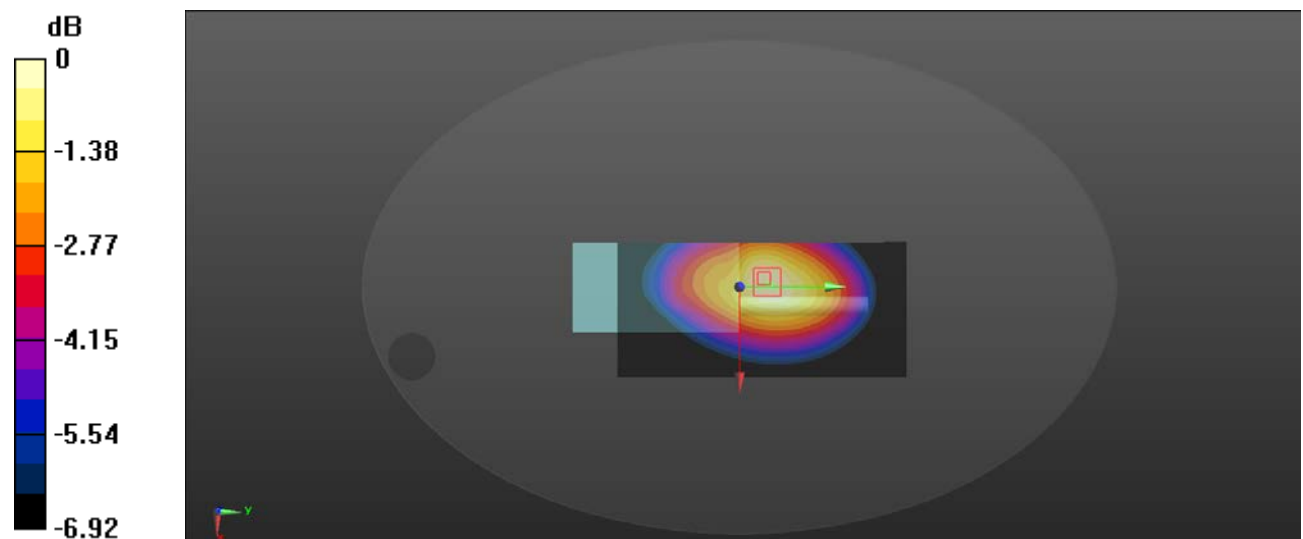
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 125.0 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 11.3 W/kg

**SAR(1 g) = 8.34 W/kg; SAR(10 g) = 6.26 W/kg**

Maximum value of SAR (measured) = 8.80 W/kg



0 dB = 8.80 W/kg = 9.44 dBW/kg

**Test Plot 11#: FM\_12.5kHz\_469.9875MHz\_Body Back****DUT: Digital Portable Radio ; Type: GD90; Serial: SZ4210621-24599E-SA-S1**

Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 469.988$  MHz;  $\sigma = 0.894$  S/m;  $\epsilon_r = 44.124$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 469.988 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

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

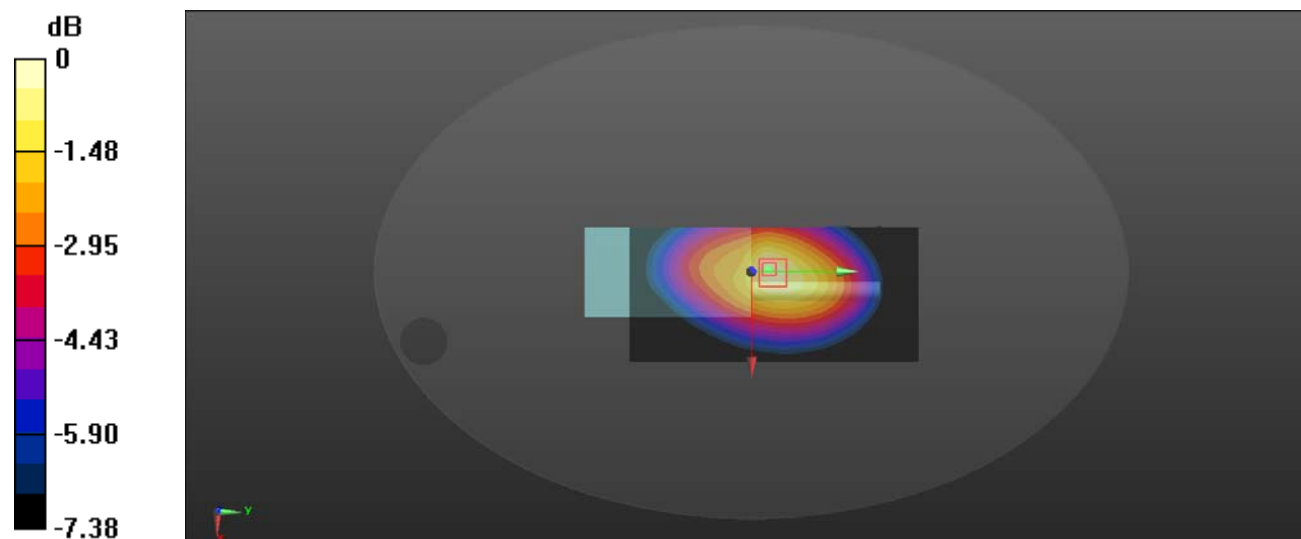
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 78.18 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 4.89 W/kg

**SAR(1 g) = 3.59 W/kg; SAR(10 g) = 2.67 W/kg**

Maximum value of SAR (measured) = 3.87 W/kg



0 dB = 3.87 W/kg = 5.88 dBW/kg

**Test Plot 12#:4FSK\_417.5125MHz\_Body Back****DUT: Digital Portable Radio ; Type: GD90; Serial: SZ4210621-24599E-SA-S1**

Communication System: 4FSK; Frequency: 417.512 MHz;Duty Cycle: 1:2

Medium parameters used:  $f = 417.512$  MHz;  $\sigma = 0.853$  S/m;  $\epsilon_r = 44.713$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 417.512 MHz; Calibrated: 2020/11/16
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2020/11/23
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

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

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

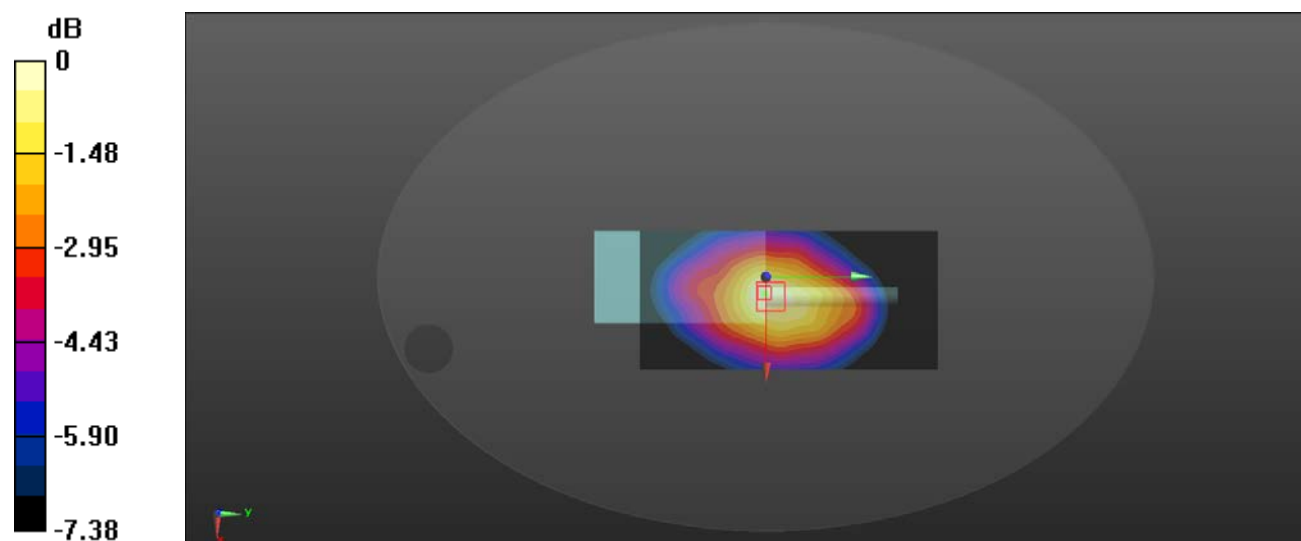
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 82.73 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 9.37 W/kg

**SAR(1 g) = 6.88 W/kg; SAR(10 g) = 5.09 W/kg**

Maximum value of SAR (measured) = 7.49 W/kg



0 dB = 7.49 W/kg = 8.74 dBW/kg