

Test Plot1#:430.0125MHz _Face Up_12.5kHz

DUT: Digital Protable Radio; Type: EP508; Serial: SZ4210823-35861E-SA-S1

Communication System: FM; Frequency: 430.012 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 430.012$ MHz; $\sigma = 0.853$ S/m; $\epsilon_r = 43.675$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 430.012 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 (81x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

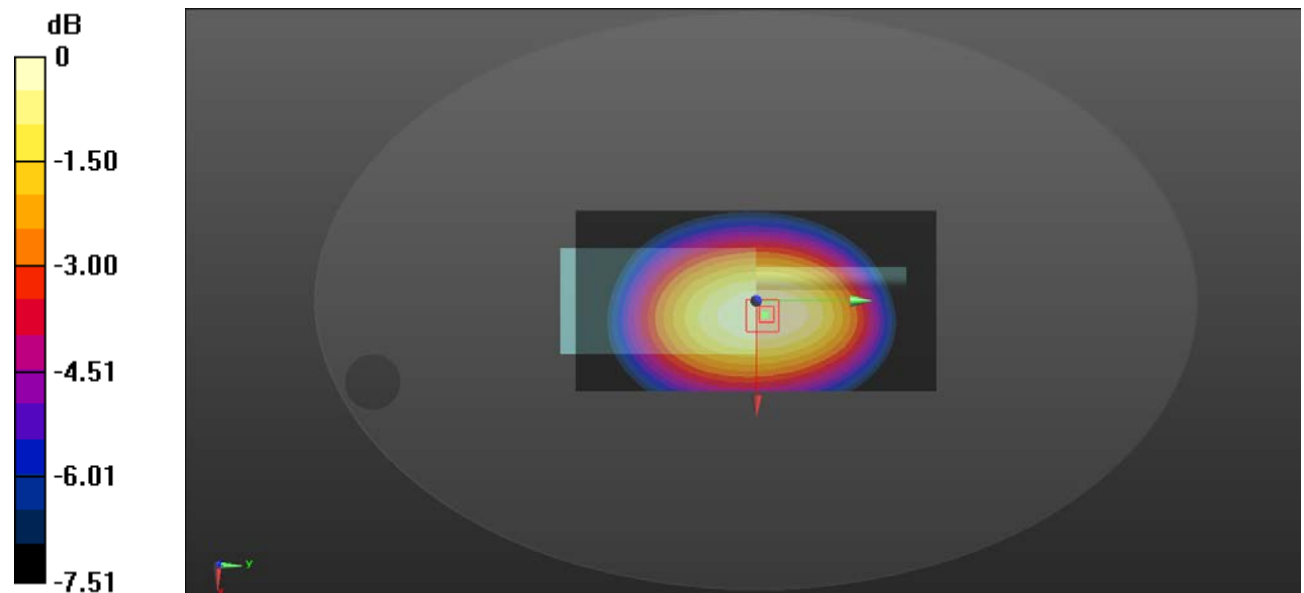
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 66.15 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 4.95 W/kg

SAR(1 g) = 3.82 W/kg; SAR(10 g) = 2.9 W/kg

Maximum value of SAR (measured) = 4.00 W/kg



0 dB = 4.00 W/kg = 6.02 dBW/kg

Test Plot 2#:430.0125MHz_Face Up_ 4FSK**DUT: Digital Protable Radio; Type: EP508; Serial: SZ4210823-35861E-SA-S1**

Communication System: 4FSK; Frequency: 430.012 MHz;Duty Cycle: 1:2

Medium parameters used: $f = 430.012$ MHz; $\sigma = 0.853$ S/m; $\epsilon_r = 43.675$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 430.012 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 (81x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

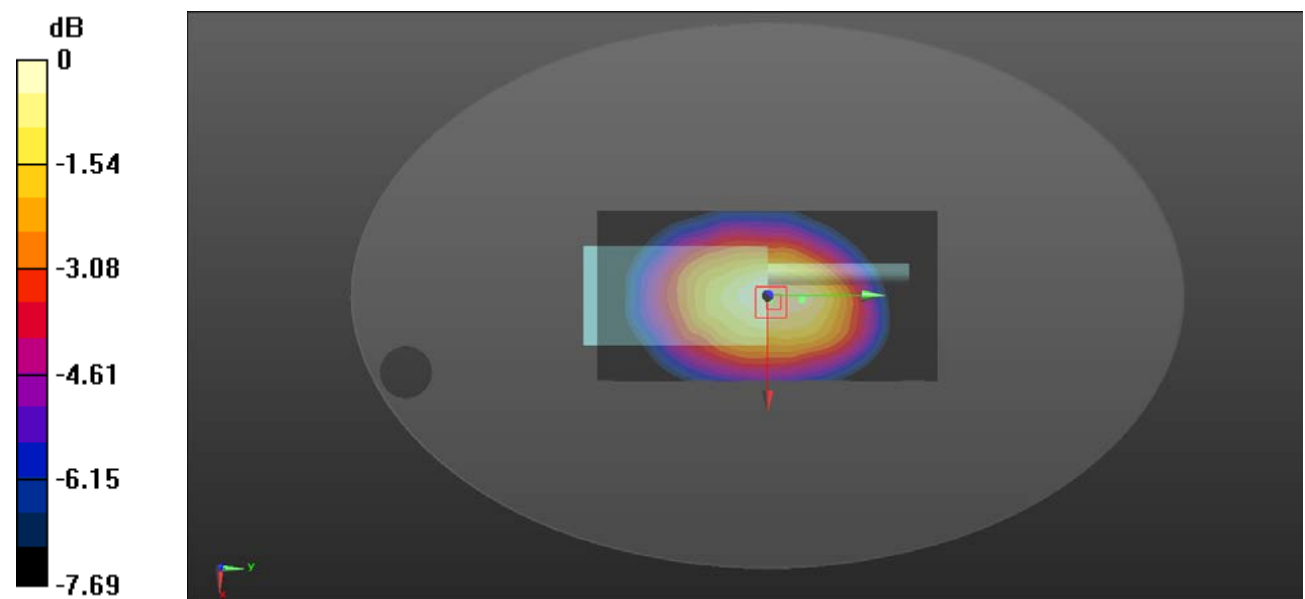
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 59.52 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 4.13 W/kg

SAR(1 g) = 3.07 W/kg; SAR(10 g) = 2.31 W/kg

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



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

Test Plot 3#:430.0125MHz_ Body Back_12.5kHz**DUT: Digital Protable Radio; Type: EP508; Serial: SZ4210823-35861E-SA-S1**

Communication System: FM; Frequency: 430.012 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 430.012$ MHz; $\sigma = 0.853$ S/m; $\epsilon_r = 43.675$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 430.012 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 (81x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

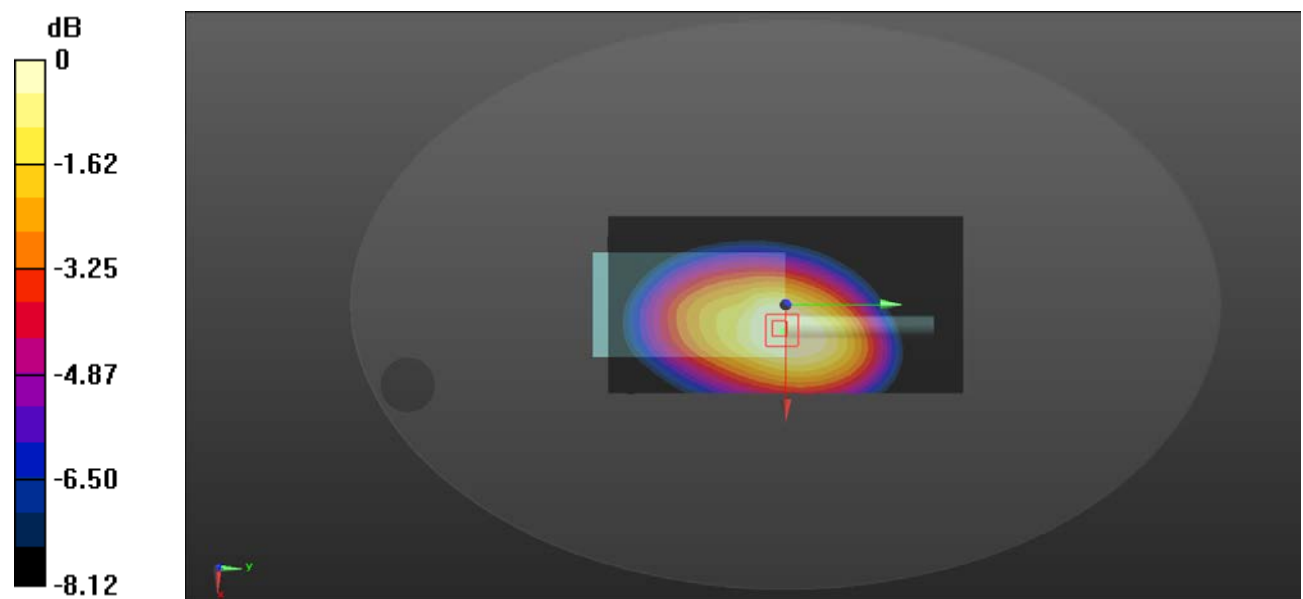
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 108.3 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 14.3 W/kg

SAR(1 g) = 10.4 W/kg; SAR(10 g) = 7.57 W/kg

Maximum value of SAR (measured) = 11.0 W/kg



0 dB = 11.0 W/kg = 10.41 dBW/kg

Test Plot 4#:443.5125MHz_ Body Back_12.5kHz**DUT: Digital Protable Radio; Type: EP508; Serial: SZ4210823-35861E-SA-S1**

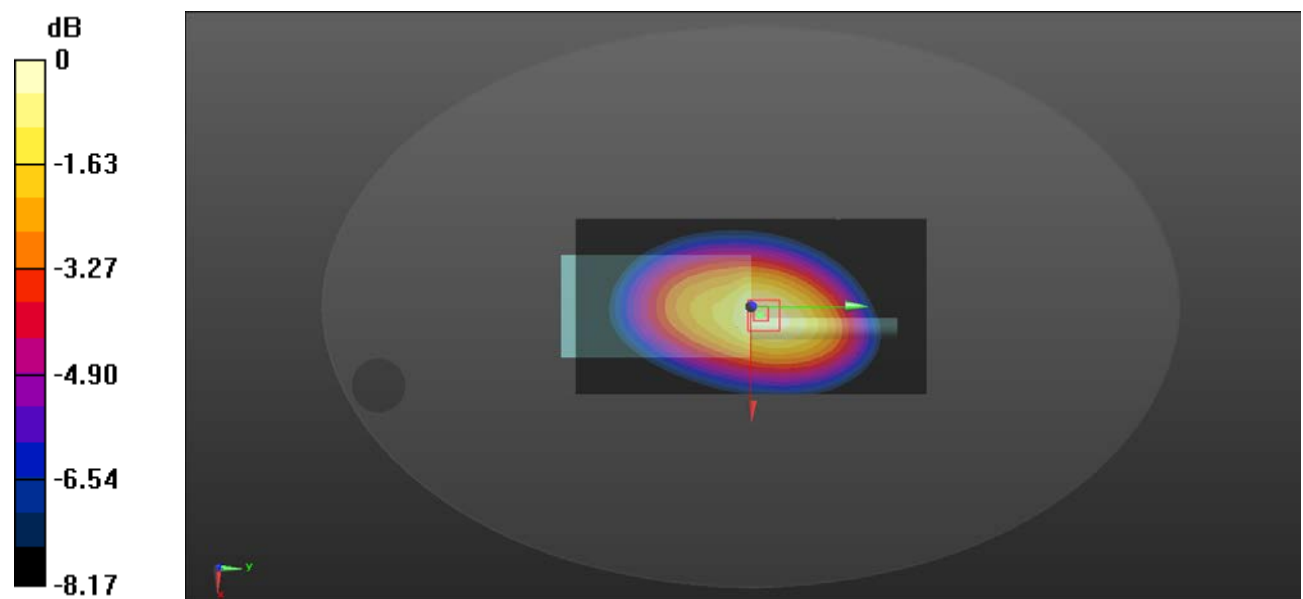
Communication System: FM; Frequency: 443.512 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 443.512 \text{ MHz}$; $\sigma = 0.864 \text{ S/m}$; $\epsilon_r = 43.538$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 443.512 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 (81x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.22 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 92.95 V/m ; Power Drift = 0.16 dB Peak SAR (extrapolated) = 11.0 W/kg **SAR(1 g) = 7.97 W/kg ; SAR(10 g) = 5.73 W/kg** Maximum value of SAR (measured) = 8.51 W/kg 0 dB = 8.51 W/kg = 9.30 dBW/kg

Test Plot 5#:457MHz_ Body Back_12.5kHz**DUT: Digital Protable Radio; Type: EP508; Serial: SZ4210823-35861E-SA-S1**

Communication System: FM; Frequency: 457 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 457$ MHz; $\sigma = 0.876$ S/m; $\epsilon_r = 43.374$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 457 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 (81x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.36 W/kg

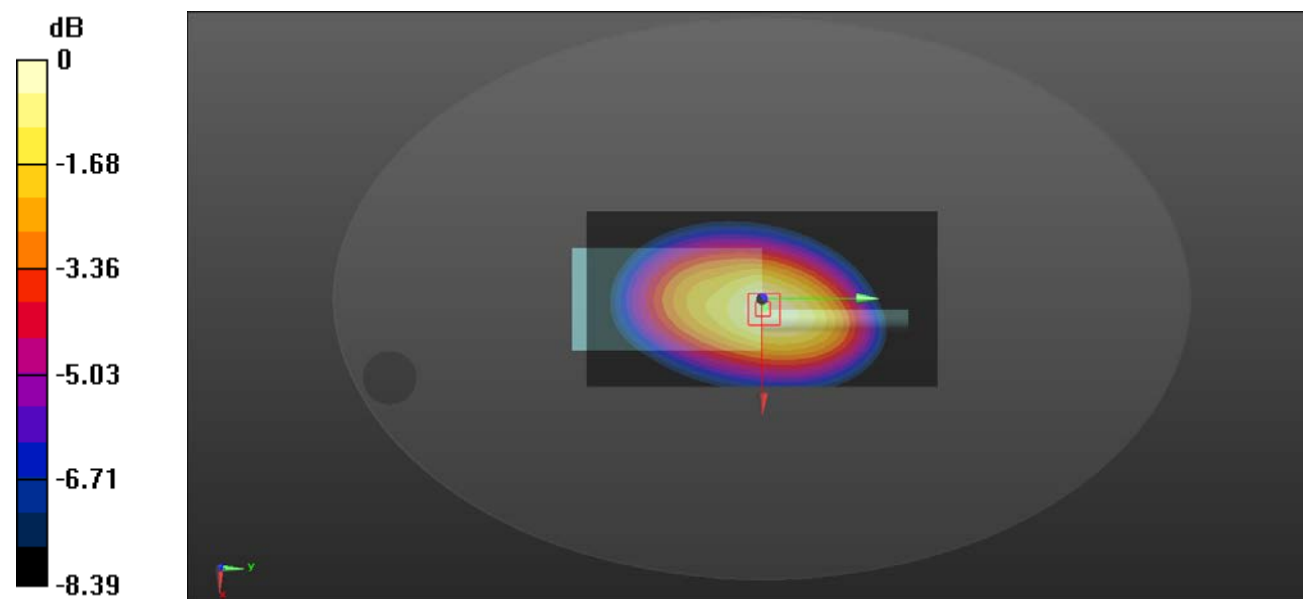
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 91.04 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 9.48 W/kg

SAR(1 g) = 6.88 W/kg; SAR(10 g) = 4.95 W/kg

Maximum value of SAR (measured) = 7.31 W/kg



0 dB = 7.31 W/kg = 8.64 dBW/kg

Test Plot 6#:469.9875MHz_ Body Back_12.5kHz**DUT: Digital Protable Radio; Type: EP508; Serial: SZ4210823-35861E-SA-S1**

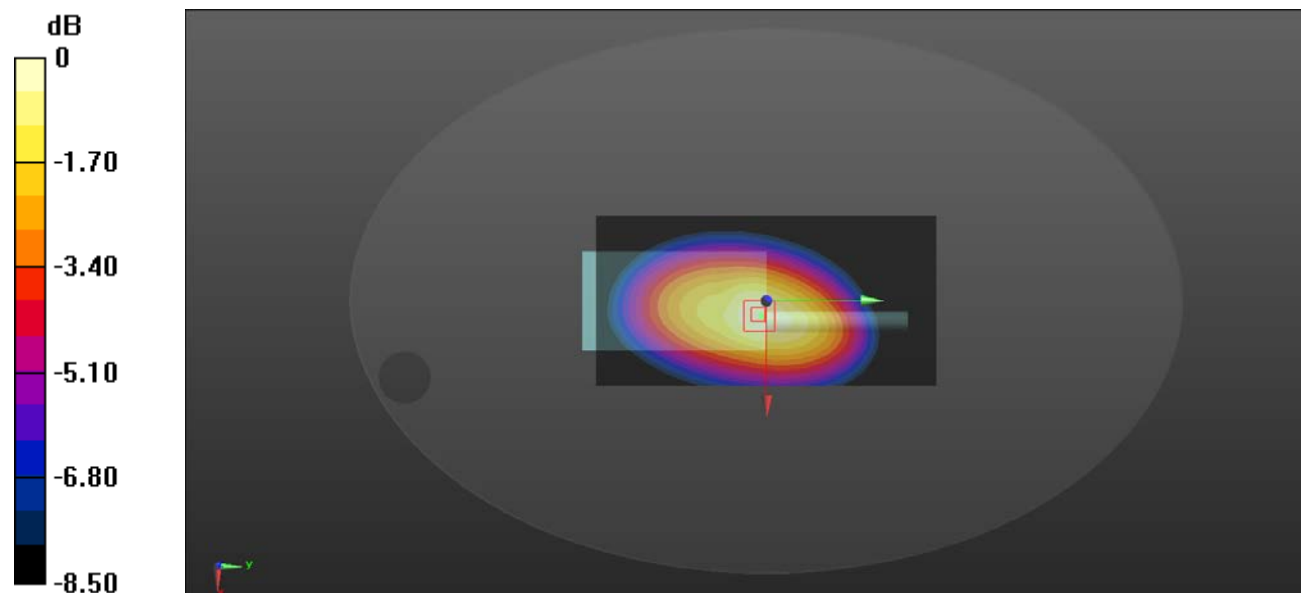
Communication System: FM; Frequency: 469.988 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 469.988 \text{ MHz}$; $\sigma = 0.891 \text{ S/m}$; $\epsilon_r = 43.262$; $\rho = 1000 \text{ kg/m}^3$

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 (81x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.70 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 89.49 V/m ; Power Drift = -0.14 dB Peak SAR (extrapolated) = 10.2 W/kg **SAR(1 g) = 7.39 W/kg ; SAR(10 g) = 5.32 W/kg** Maximum value of SAR (measured) = 7.83 W/kg 0 dB = 7.83 W/kg = 8.94 dBW/kg

Test Plot 7#: 430.0125MHz_ Body Back_12.5kHz**DUT: Digital Protable Radio; Type: EP508; Serial: SZ4210823-35861E-SA-S1**

Communication System: 4FSK; Frequency: 430.012 MHz; Duty Cycle: 1:1.99986

Medium parameters used: $f = 430.012$ MHz; $\sigma = 0.853$ S/m; $\epsilon_r = 43.675$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 430.012 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 (81x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.90 W/kg

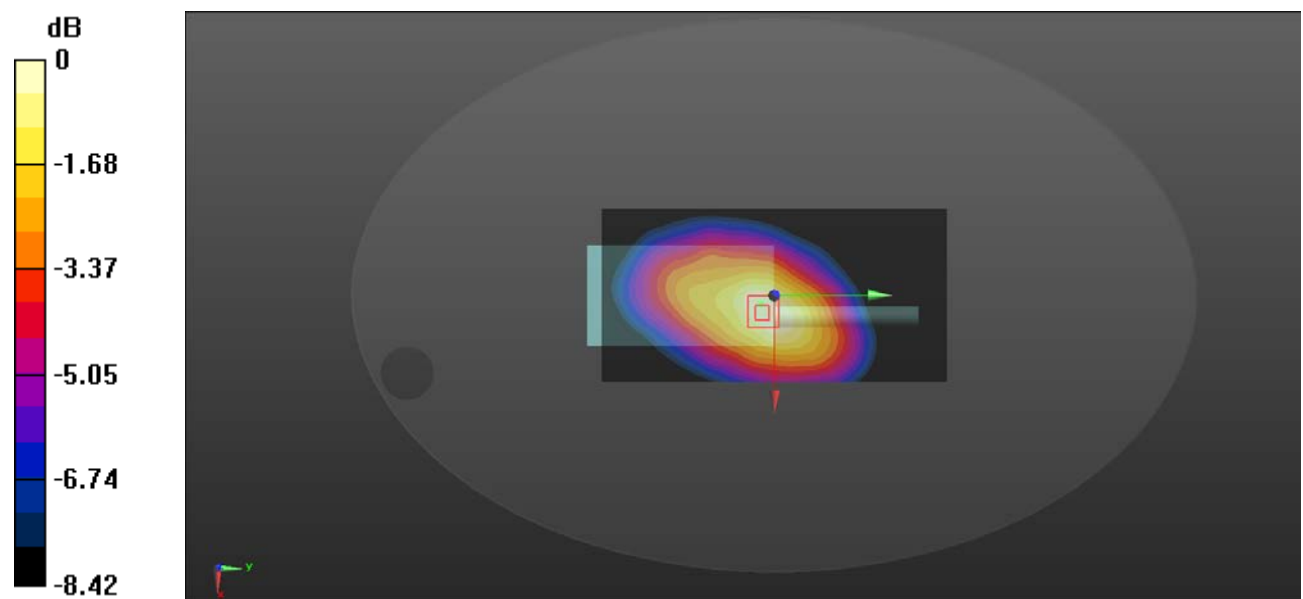
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 67.35 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 6.47 W/kg

SAR(1 g) = 4.56 W/kg; SAR(10 g) = 3.32 W/kg

Maximum value of SAR (measured) = 5.00 W/kg



0 dB = 5.00 W/kg = 6.99 dBW/kg

Test Plot 8#:430.0125MHz_ Face Up_12.5kHz**DUT: Digital Protable Radio; Type: EP500; Serial: SZ4210823-35861E-SA-S2**

Communication System: FM; Frequency: 430.012 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 430.012$ MHz; $\sigma = 0.853$ S/m; $\epsilon_r = 43.675$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 430.012 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 (81x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

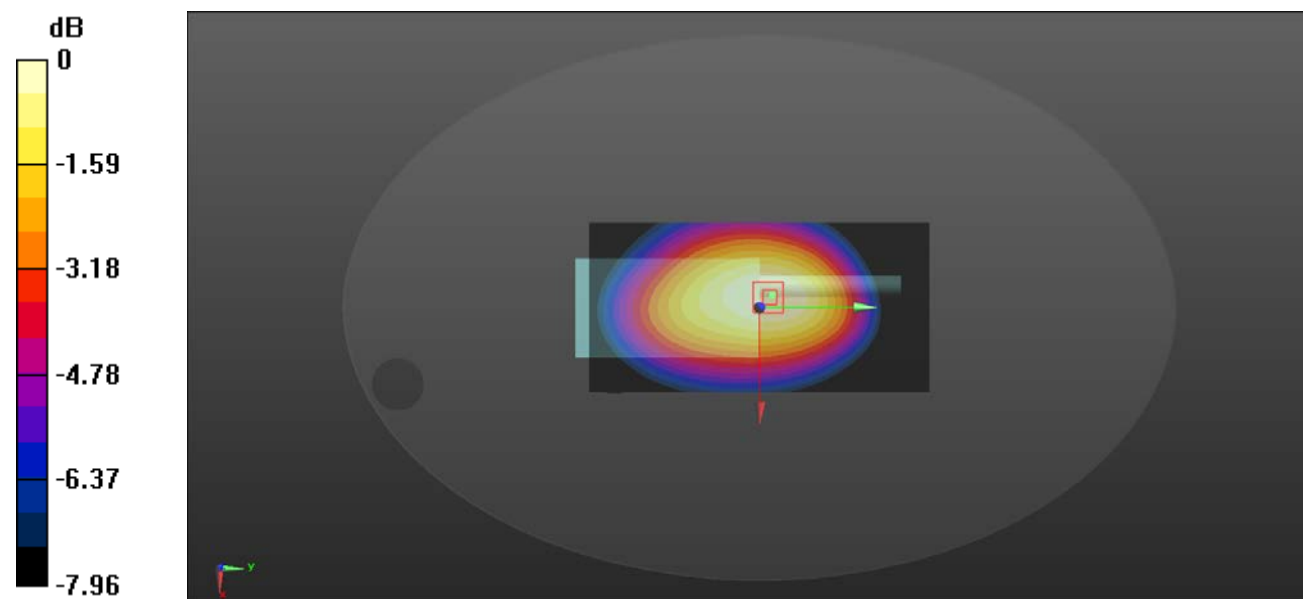
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 67.94 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 5.07 W/kg

SAR(1 g) = 3.88 W/kg; SAR(10 g) = 2.91 W/kg

Maximum value of SAR (measured) = 4.06 W/kg



0 dB = 4.06 W/kg = 6.09 dBW/kg

Test Plot 9#:430.0125MHz_ Face Up_4FSK**DUT: Digital Protable Radio; Type: EP500; Serial: SZ4210823-35861E-SA-S2**

Communication System: 4FSK; Frequency: 430.012 MHz;Duty Cycle: 1:2

Medium parameters used: $f = 430.012$ MHz; $\sigma = 0.853$ S/m; $\epsilon_r = 43.675$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 430.012 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 (81x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

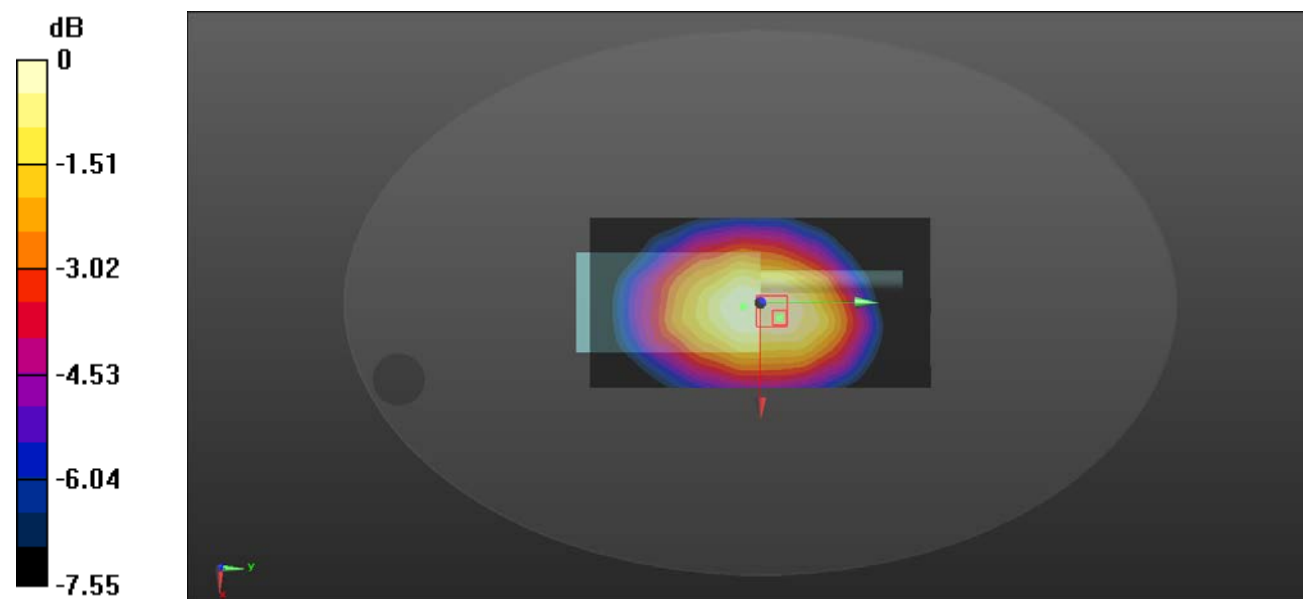
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 66.41 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 4.29 W/kg

SAR(1 g) = 3.23 W/kg; SAR(10 g) = 2.46 W/kg

Maximum value of SAR (measured) = 3.49 W/kg



0 dB = 3.49 W/kg = 5.43 dBW/kg

Test Plot 10#:430.0125MHz_ Body Back _12.5kHz**DUT: Digital Protable Radio; Type: EP500; Serial: SZ4210823-35861E-SA-S2**

Communication System: FM; Frequency: 430.012 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 430.012$ MHz; $\sigma = 0.853$ S/m; $\epsilon_r = 43.675$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 430.012 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 (81x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 10.8 W/kg

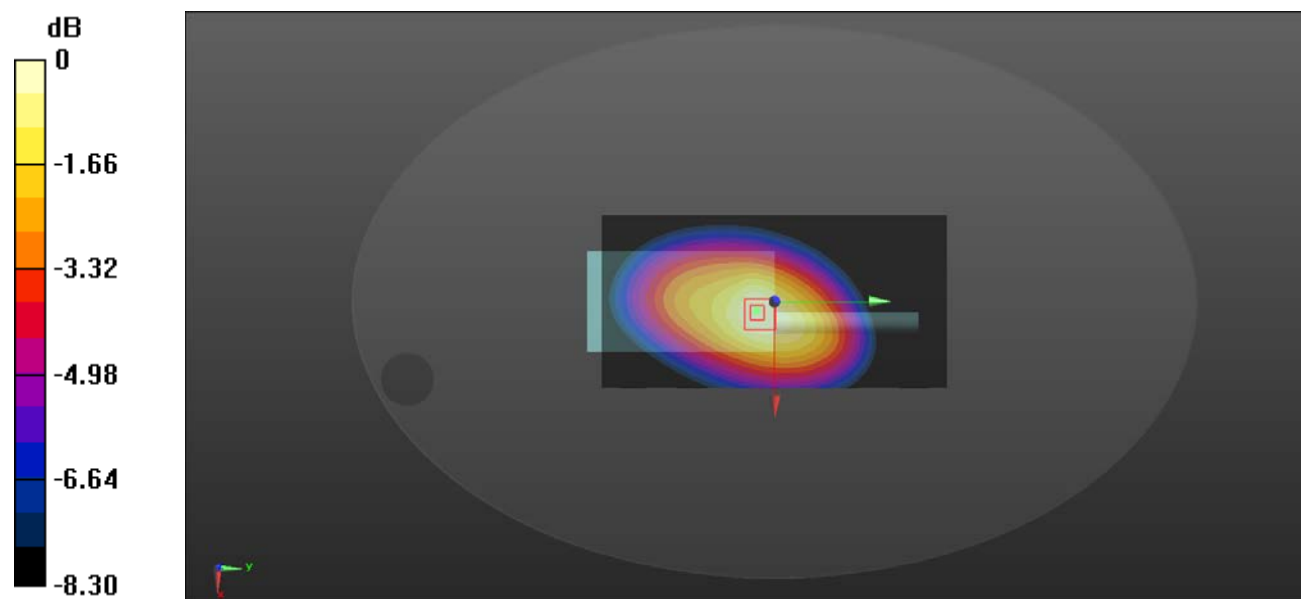
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 106.2 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 13.7 W/kg

SAR(1 g) = 9.98 W/kg; SAR(10 g) = 7.19 W/kg

Maximum value of SAR (measured) = 10.6 W/kg



0 dB = 10.6 W/kg = 10.25 dBW/kg

Test Plot 11#:443.5125MHz_ Body Back _12.5kHz**DUT: Digital Protable Radio; Type: EP500; Serial: SZ4210823-35861E-SA-S2**

Communication System: FM; Frequency: 443.512 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 443.512$ MHz; $\sigma = 0.864$ S/m; $\epsilon_r = 43.538$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 443.512 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 (81x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.59 W/kg

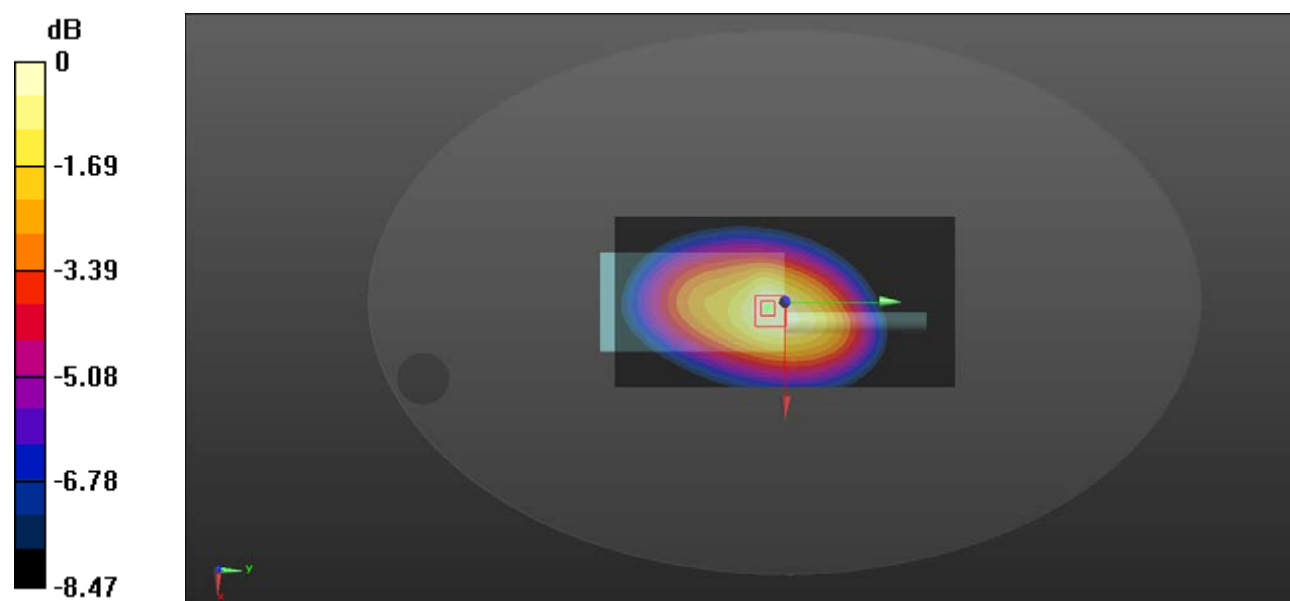
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 94.88 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 11.0 W/kg

SAR(1 g) = 7.88 W/kg; SAR(10 g) = 5.6 W/kg

Maximum value of SAR (measured) = 8.42 W/kg



0 dB = 8.42 W/kg = 9.25 dBW/kg

Test Plot 12#:457MHz_ Body Back _12.5kHz**DUT: Digital Protable Radio; Type: EP500; Serial: SZ4210823-35861E-SA-S2**

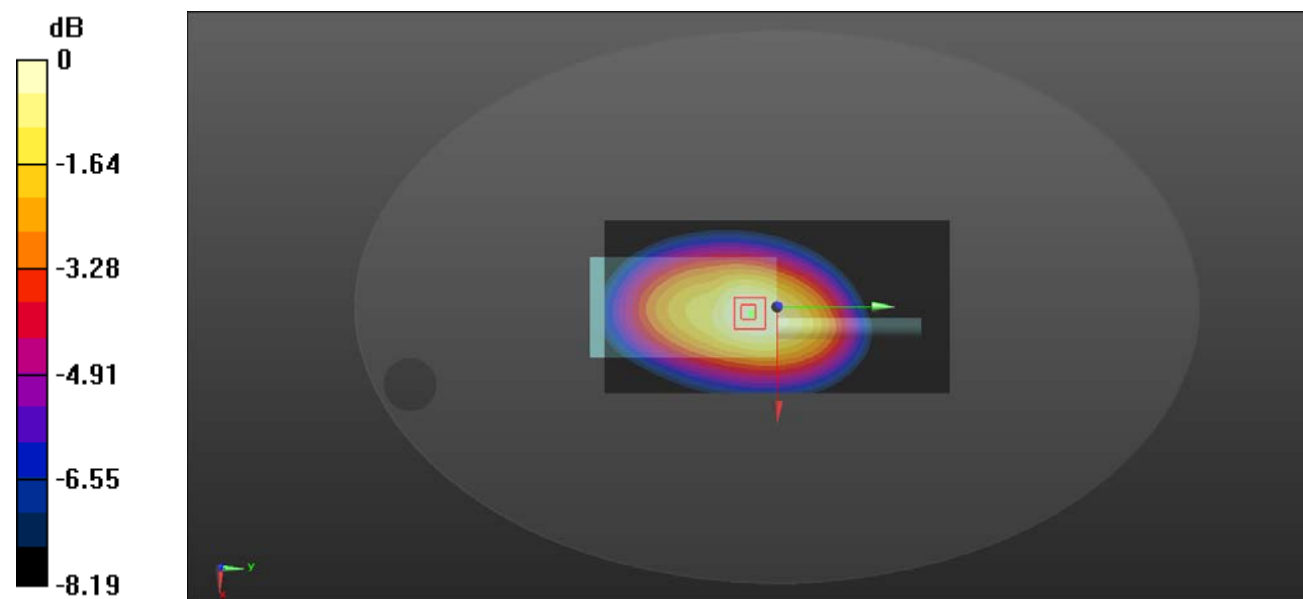
Communication System: FM; Frequency: 457 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 457 \text{ MHz}$; $\sigma = 0.876 \text{ S/m}$; $\epsilon_r = 43.374$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 457 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 (81x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.96 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 94.10 V/m ; Power Drift = -0.09 dB Peak SAR (extrapolated) = 9.95 W/kg **SAR(1 g) = 7.3 W/kg ; SAR(10 g) = 5.26 W/kg** Maximum value of SAR (measured) = 7.74 W/kg 0 dB = 7.74 W/kg = 8.89 dBW/kg

Test Plot 13#:469.9875MHz_ Body Back _12.5kHz**DUT: Digital Protable Radio; Type: EP500; Serial: SZ4210823-35861E-SA-S2**

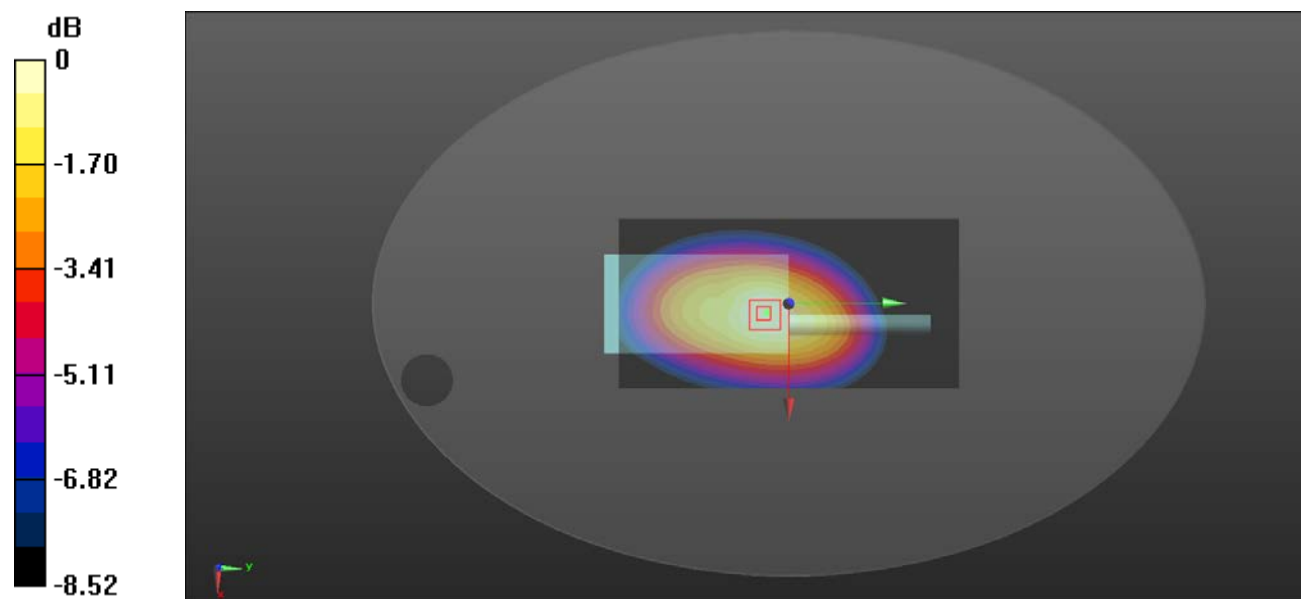
Communication System: FM; Frequency: 469.988 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 469.988 \text{ MHz}$; $\sigma = 0.891 \text{ S/m}$; $\epsilon_r = 43.262$; $\rho = 1000 \text{ kg/m}^3$

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 (81x161x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.32 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 89.32 V/m ; Power Drift = -0.18 dB Peak SAR (extrapolated) = 10.6 W/kg **SAR(1 g) = 7.72 W/kg ; SAR(10 g) = 5.55 W/kg** Maximum value of SAR (measured) = 8.15 W/kg 0 dB = 8.15 W/kg = 9.11 dBW/kg

Test Plot 14#:430.0125MHz_ Body Back _4FSK**DUT: Digital Protable Radio; Type: EP500; Serial: SZ4210823-35861E-SA-S2**

Communication System: 4FSK; Frequency: 430.012 MHz;Duty Cycle: 1:2

Medium parameters used: $f = 430.012$ MHz; $\sigma = 0.853$ S/m; $\epsilon_r = 43.675$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.02, 7.02, 7.02) @ 430.012 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 (81x161x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.45 W/kg

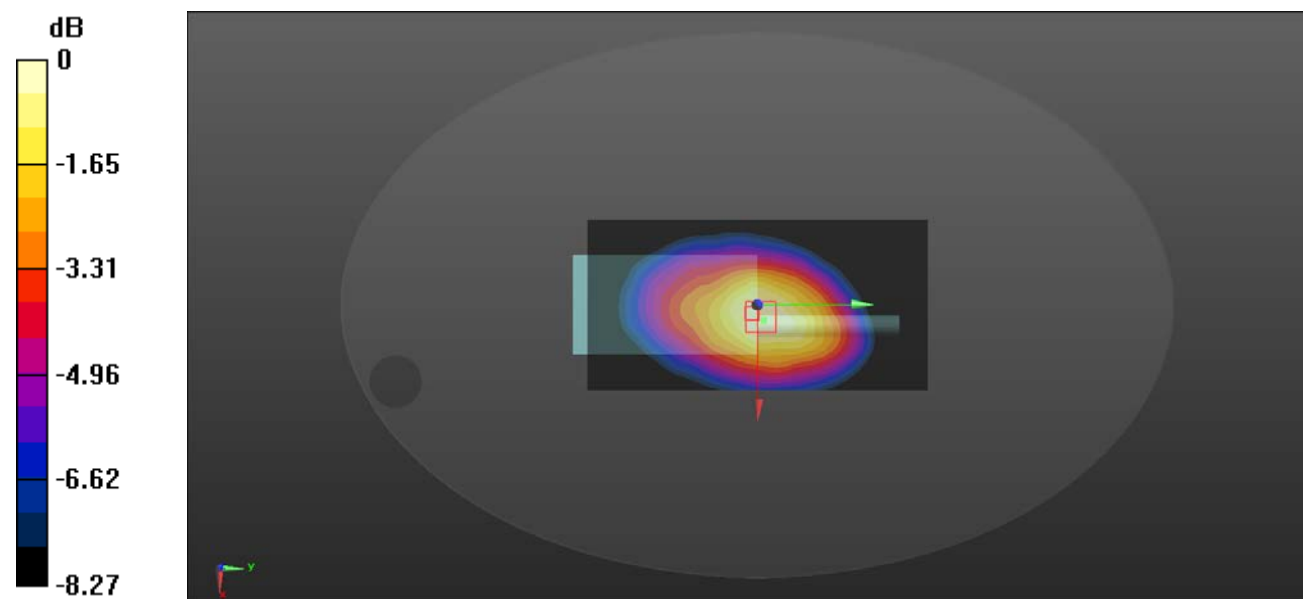
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 75.84 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 7.74 W/kg

SAR(1 g) = 5.04 W/kg; SAR(10 g) = 3.6 W/kg

Maximum value of SAR (measured) = 5.40 W/kg



0 dB = 5.40 W/kg = 7.32 dBW/kg