

Test Plot 1#: FM_12.5kHz_417.5125MHz_Face Up**DUT: DIGITAL PORTABLE RADIO; Type: BD305 U(1); Serial: RDG210409042-SA-S1**

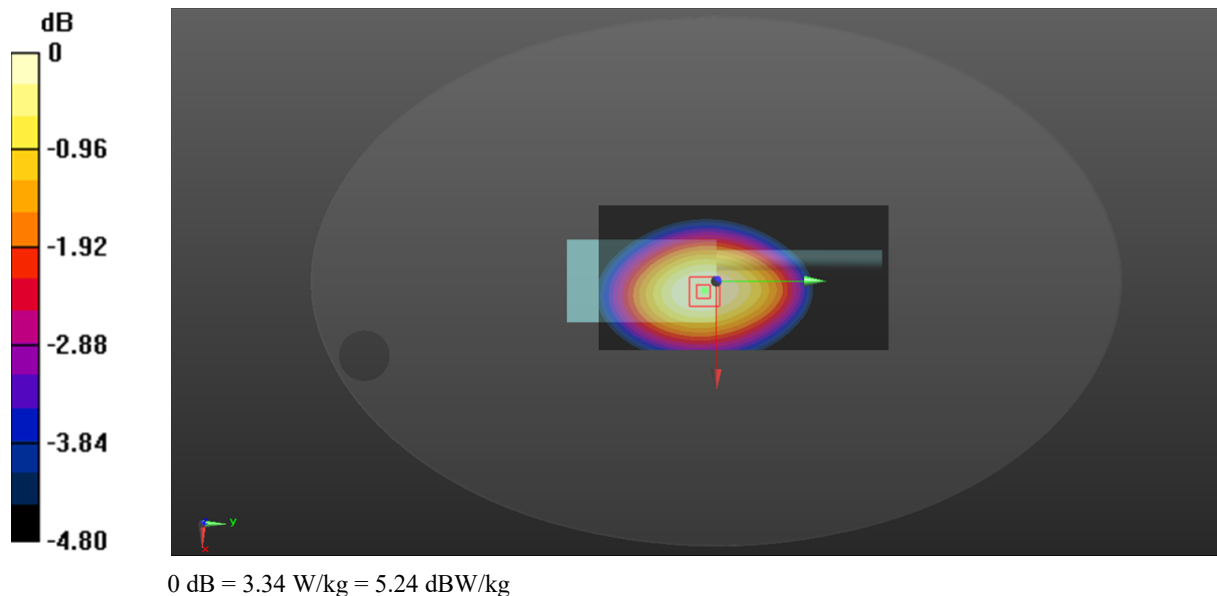
Communication System:FM; Frequency: 417.512 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 417.512 \text{ MHz}$; $\sigma = 0.841 \text{ S/m}$; $\epsilon_r = 43.921$; $\rho = 1000 \text{ kg/m}^3$

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 (71x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.43 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 62.72 V/m ; Power Drift = -0.12 dB Peak SAR (extrapolated) = 3.66 W/kg **SAR(1 g) = 3.22 W/kg ; SAR(10 g) = 2.66 W/kg** Maximum value of SAR (measured) = 3.34 W/kg 

Test Plot 2#: FM_25kHz_417.5125MHz_Face Up**DUT: DIGITAL PORTABLE RADIO; Type: BD305 U(1); Serial: RDG210409042-SA-S1**

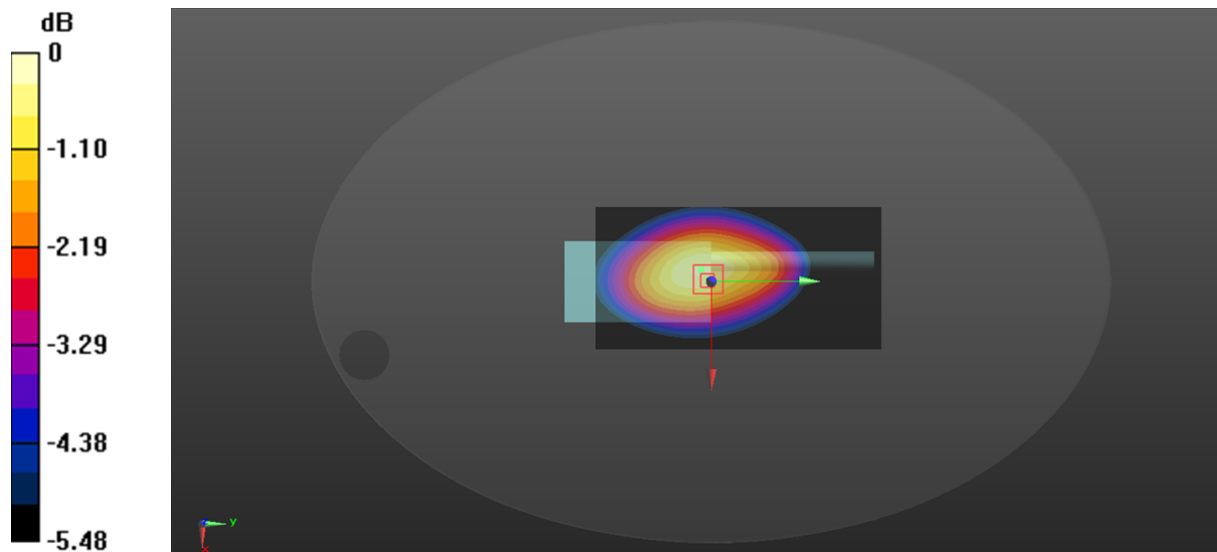
Communication System:FM; Frequency: 417.512 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 417.512 \text{ MHz}$; $\sigma = 0.841 \text{ S/m}$; $\epsilon_r = 43.921$; $\rho = 1000 \text{ kg/m}^3$

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 (71x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 5.45 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 77.98 V/m ; Power Drift = 0.09 dB Peak SAR (extrapolated) = 6.46 W/kg **SAR(1 g) = 5.65 W/kg ; SAR(10 g) = 4.6 W/kg** Maximum value of SAR (measured) = 5.87 W/kg 0 dB = $5.87 \text{ W/kg} = 7.69 \text{ dBW/kg}$

Test Plot 3#: 4FSK_417.5125MHz _Face Up**DUT: DIGITAL PORTABLE RADIO; Type: BD305 U(1); Serial: RDG210409042-SA-S1**

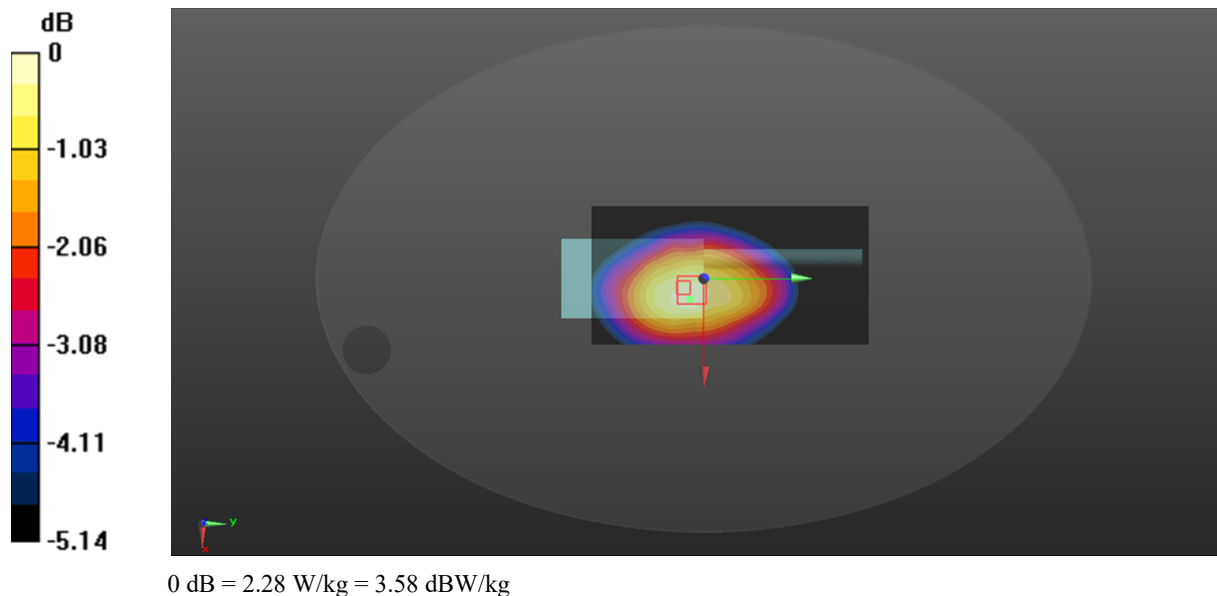
Communication System: 4FSK; Frequency: 417.512 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 417.512 \text{ MHz}$; $\sigma = 0.841 \text{ S/m}$; $\epsilon_r = 43.921$; $\rho = 1000 \text{ kg/m}^3$

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 (71x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 2.24 W/kg **Zoom Scan (6x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 49.74 V/m ; Power Drift = -0.09 dB Peak SAR (extrapolated) = 2.65 W/kg **SAR(1 g) = 2.14 W/kg ; SAR(10 g) = 1.75 W/kg** Maximum value of SAR (measured) = 2.28 W/kg 

Test Plot 4#: FM_12.5kHz_400.0125MHz_Body Back**DUT: DIGITAL PORTABLE RADIO; Type: BD305 U(1); Serial: RDG210409042-SA-S1**

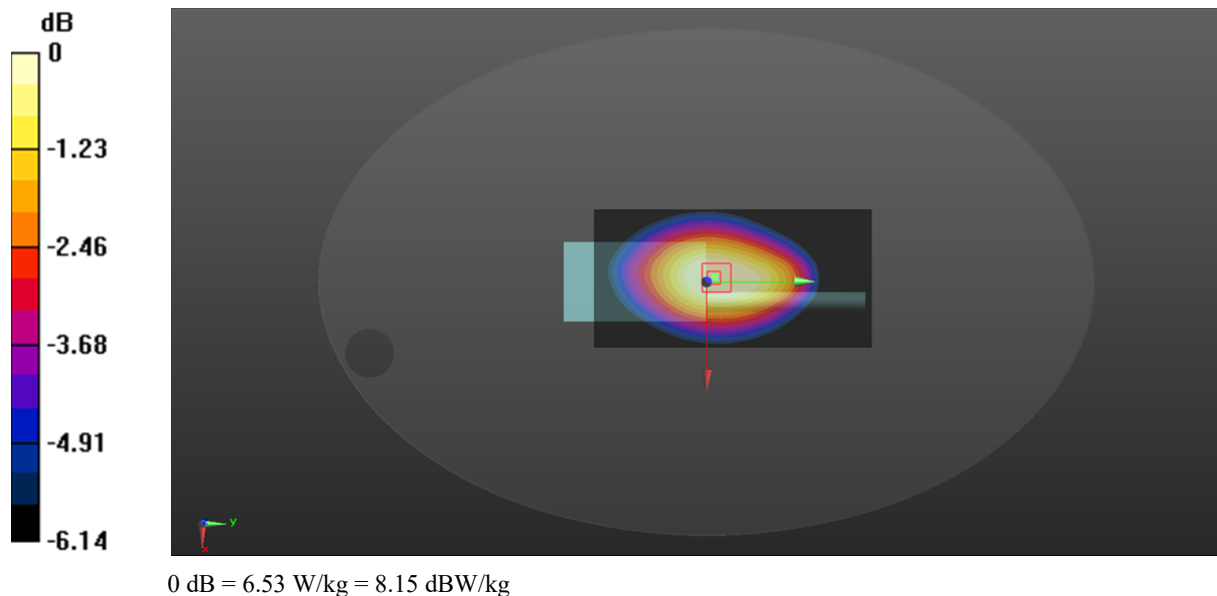
Communication System:FM; Frequency: 400.012 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 400.012 \text{ MHz}$; $\sigma = 0.838 \text{ S/m}$; $\epsilon_r = 44.169$; $\rho = 1000 \text{ kg/m}^3$

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 (71x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.16 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 92.54 V/m ; Power Drift = -0.02 dB Peak SAR (extrapolated) = 8.39 W/kg **SAR(1 g) = 6.23 W/kg ; SAR(10 g) = 4.71 W/kg** Maximum value of SAR (measured) = 6.53 W/kg 

Test Plot 5#: FM_12.5kHz_417.5125MHz_Body Back**DUT: DIGITAL PORTABLE RADIO; Type: BD305 U(1); Serial: RDG210409042-SA-S1**

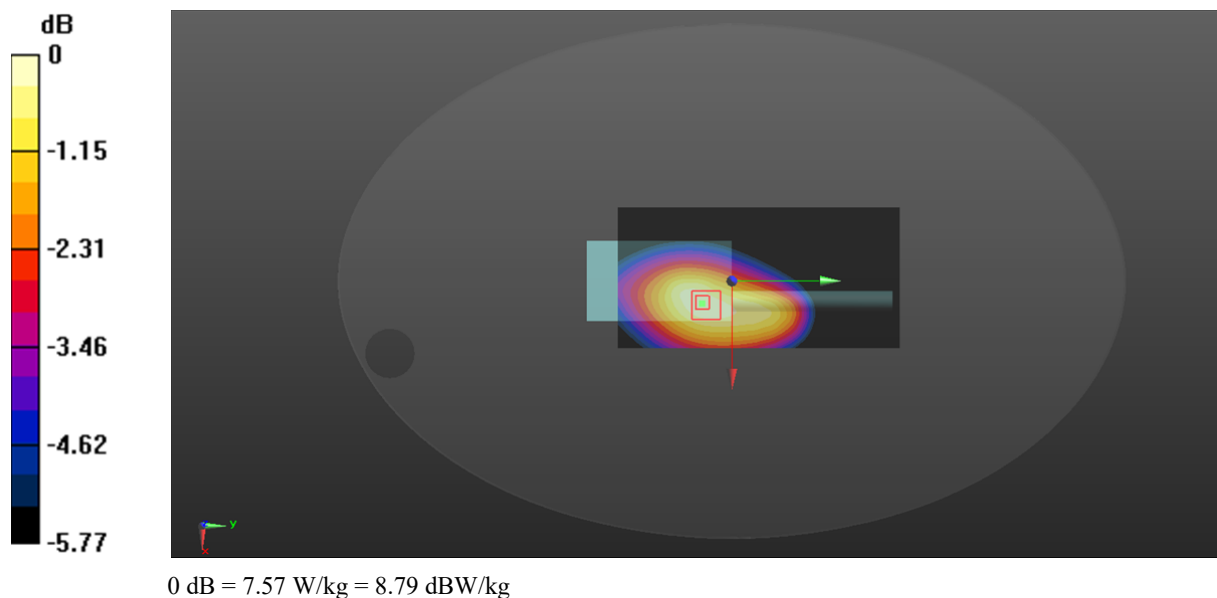
Communication System:FM; Frequency: 417.512 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 417.512 \text{ MHz}$; $\sigma = 0.841 \text{ S/m}$; $\epsilon_r = 43.921$; $\rho = 1000 \text{ kg/m}^3$

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 (71x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.48 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 78.69 V/m ; Power Drift = -0.01 dB Peak SAR (extrapolated) = 8.47 W/kg **SAR(1 g) = 7.15 W/kg ; SAR(10 g) = 5.61 W/kg** Maximum value of SAR (measured) = 7.57 W/kg 

Test Plot 6#: FM_12.5kHz_435MHz_Body Back**DUT: DIGITAL PORTABLE RADIO; Type: BD305 U(1); Serial: RDG210409042-SA-S1**

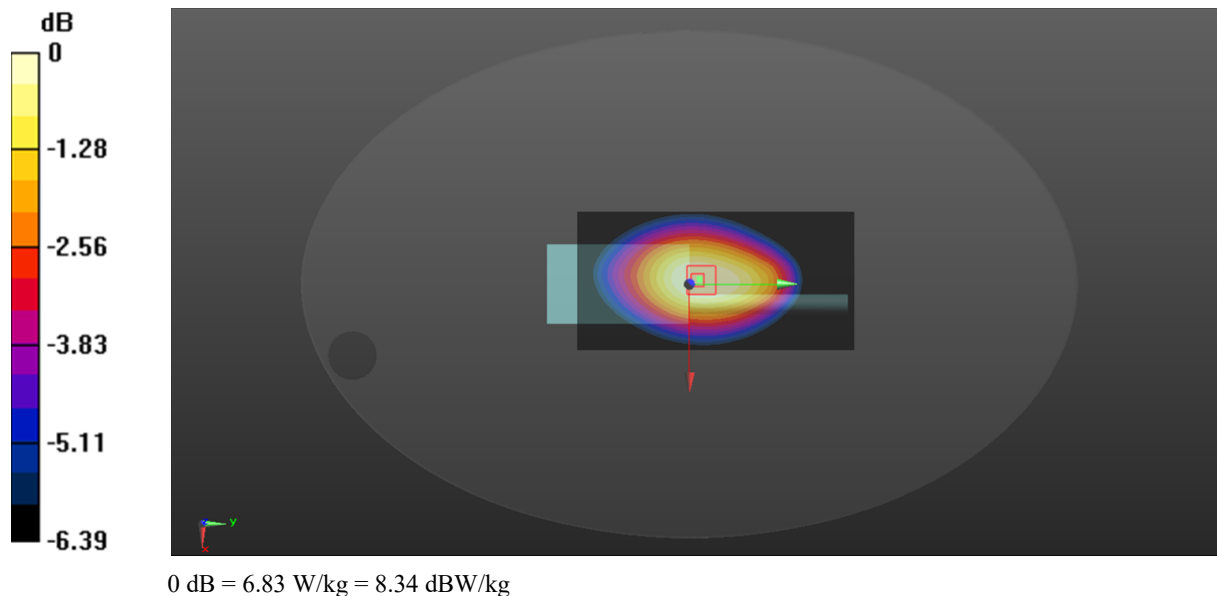
Communication System: FM; Frequency: 435 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 435 \text{ MHz}$; $\sigma = 0.856 \text{ S/m}$; $\epsilon_r = 43.765$; $\rho = 1000 \text{ kg/m}^3$

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 (71x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.28 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 88.42 V/m ; Power Drift = -0.13 dB Peak SAR (extrapolated) = 8.80 W/kg **SAR(1 g) = 6.52 W/kg ; SAR(10 g) = 4.89 W/kg** Maximum value of SAR (measured) = 6.83 W/kg 

Test Plot 7#: FM_12.5kHz_452.4875MHz_Body Back**DUT: DIGITAL PORTABLE RADIO; Type: BD305 U(1); Serial: RDG210409042-SA-S1**

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

Medium parameters used: $f = 452.488$ MHz; $\sigma = 0.876$ S/m; $\epsilon_r = 43.523$; $\rho = 1000$ kg/m³

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 (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

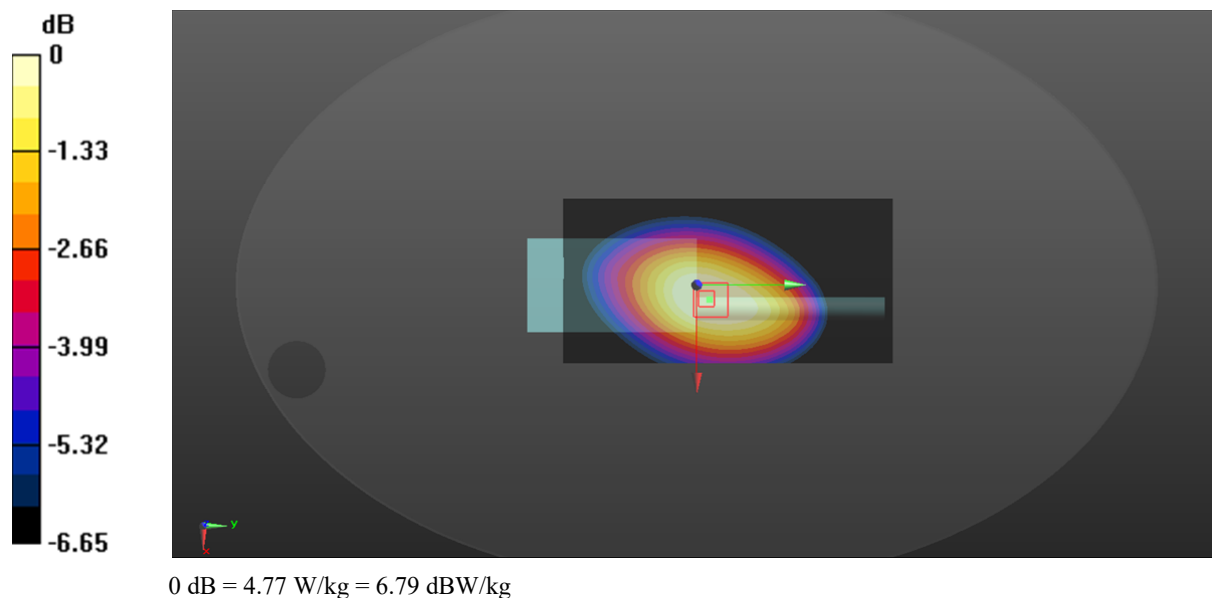
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 74.61 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 6.13 W/kg

SAR(1 g) = 4.54 W/kg; SAR(10 g) = 3.38 W/kg

Maximum value of SAR (measured) = 4.77 W/kg



Test Plot 8#: FM_12.5kHz_469.9875MHz_Body Back**DUT: DIGITAL PORTABLE RADIO; Type: BD305 U(1); Serial: RDG210409042-SA-S1**

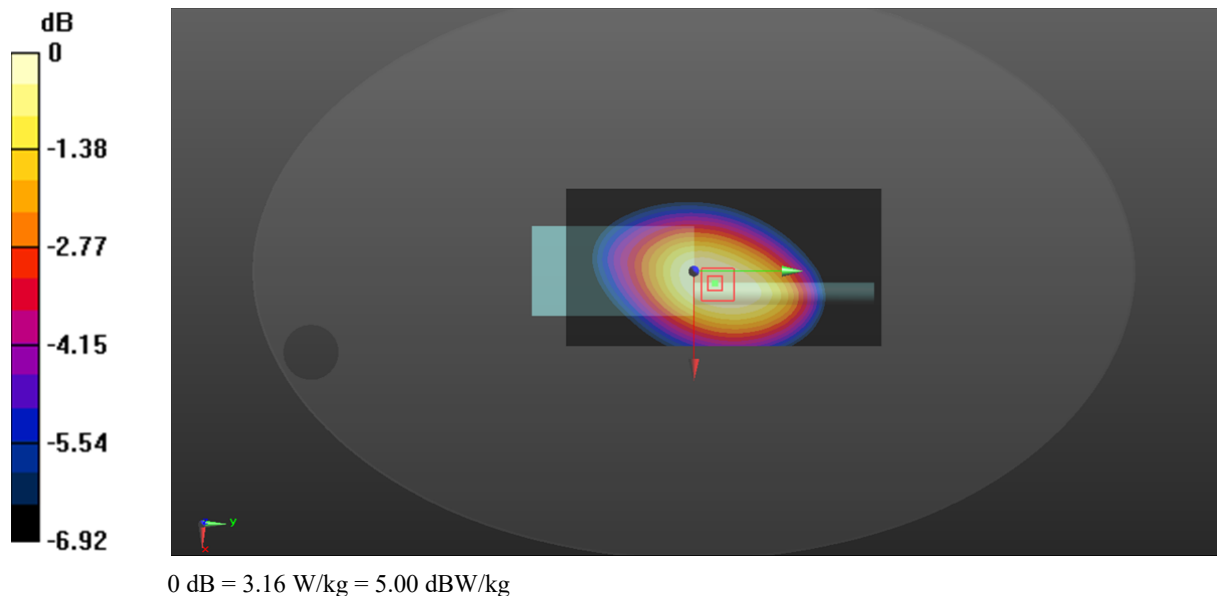
Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 469.988 \text{ MHz}$; $\sigma = 0.891 \text{ S/m}$; $\epsilon_r = 43.367$; $\rho = 1000 \text{ kg/m}^3$

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 (71x141x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 3.43 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 59.98 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 4.03 W/kg **SAR(1 g) = 3 W/kg ; SAR(10 g) = 2.24 W/kg** Maximum value of SAR (measured) = 3.16 W/kg 

Test Plot 9#: FM_25kHz_400.0125MHz_ Body Back**DUT: DIGITAL PORTABLE RADIO; Type: BD305 U(1); Serial: RDG210409042-SA-S1**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.838$ S/m; $\epsilon_r = 44.169$; $\rho = 1000$ kg/m³

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 (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 6.05 W/kg

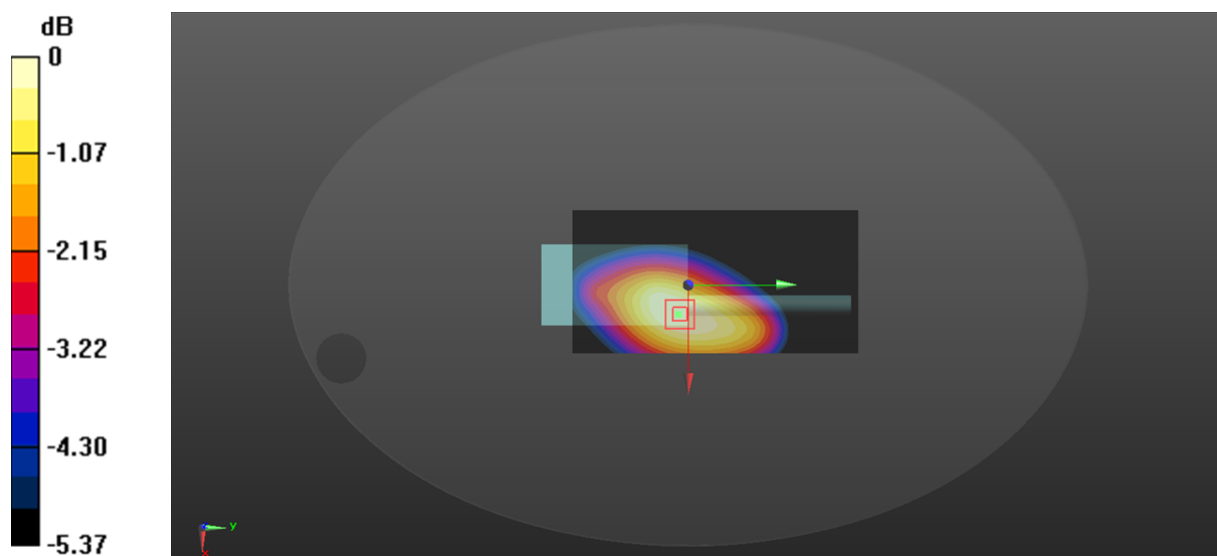
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 73.77 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 6.36 W/kg

SAR(1 g) = 5.57 W/kg; SAR(10 g) = 4.48 W/kg

Maximum value of SAR (measured) = 5.82 W/kg



0 dB = 5.82 W/kg = 7.65 dBW/kg

Test Plot 10#: FM_25kHz_417.5125MHz_Body Back**DUT: DIGITAL PORTABLE RADIO; Type: BD305 U(1); Serial: RDG210409042-SA-S1**

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

Medium parameters used: $f = 417.512$ MHz; $\sigma = 0.841$ S/m; $\epsilon_r = 43.921$; $\rho = 1000$ kg/m³

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 (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.53 W/kg

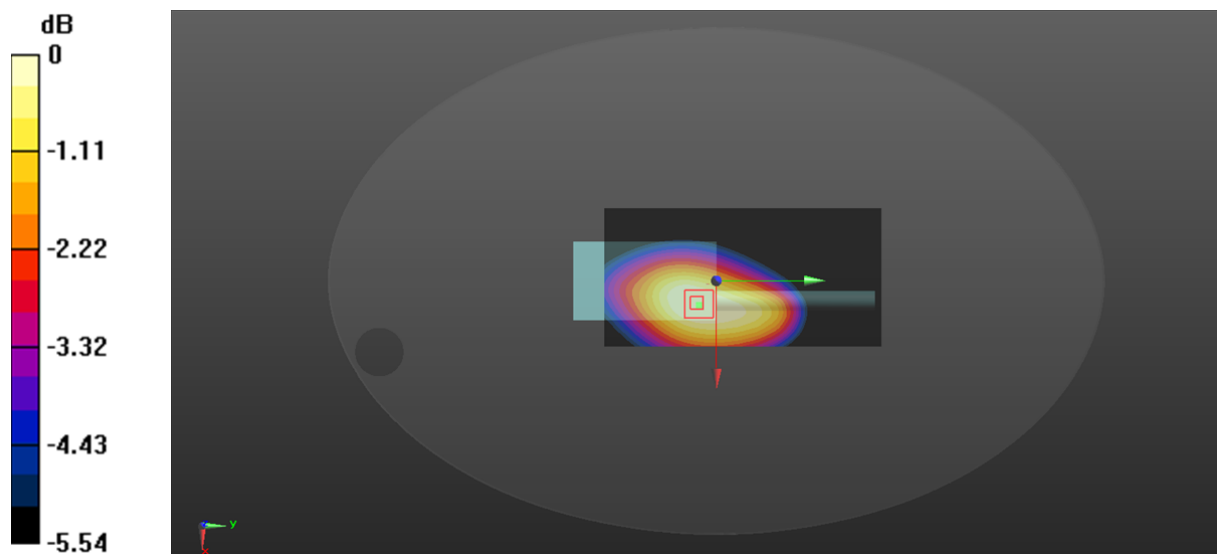
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 89.44 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 9.22 W/kg

SAR(1 g) = 7.78 W/kg; SAR(10 g) = 6.18 W/kg

Maximum value of SAR (measured) = 8.12 W/kg



0 dB = 8.12 W/kg = 9.10 dBW/kg

Test Plot 11#: FM_25kHz_435MHz_Body Back**DUT: DIGITAL PORTABLE RADIO; Type: BD305 U(1); Serial: RDG210409042-SA-S1**

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

Medium parameters used: $f = 435$ MHz; $\sigma = 0.856$ S/m; $\epsilon_r = 43.765$; $\rho = 1000$ kg/m³

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 (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.80 W/kg

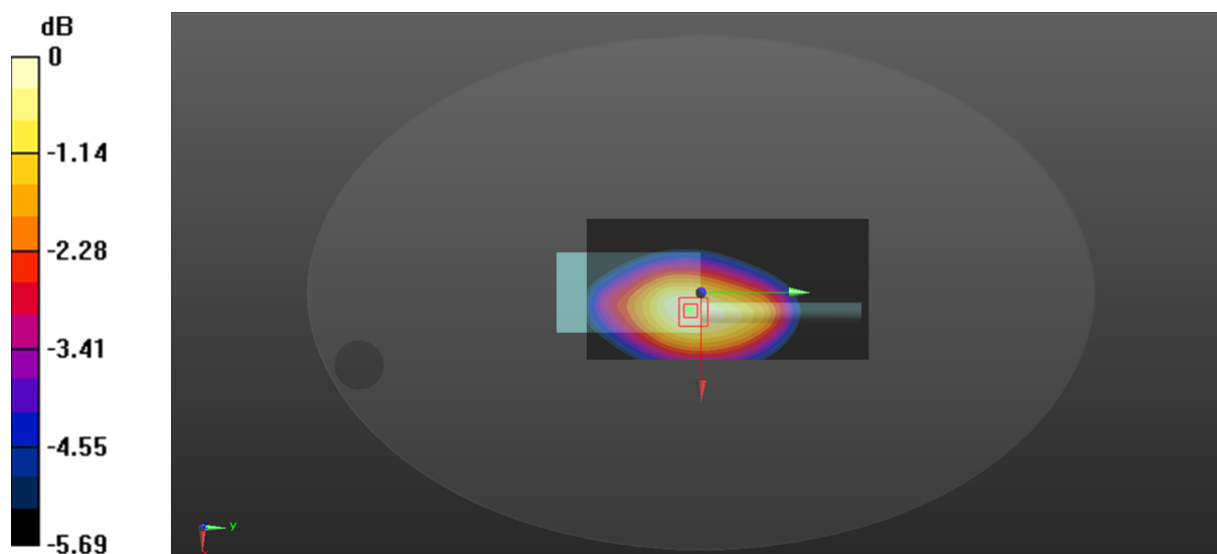
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 88.58 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 8.63 W/kg

SAR(1 g) = 7.33 W/kg; SAR(10 g) = 5.8 W/kg

Maximum value of SAR (measured) = 7.69 W/kg



0 dB = 7.69 W/kg = 8.86 dBW/kg

Test Plot 12#: FM_25kHz_452.4875MHz_Body Back**DUT: DIGITAL PORTABLE RADIO; Type: BD305 U(1); Serial: RDG210409042-SA-S1**

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

Medium parameters used: $f = 452.488$ MHz; $\sigma = 0.876$ S/m; $\epsilon_r = 43.523$; $\rho = 1000$ kg/m³

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 (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 4.94 W/kg

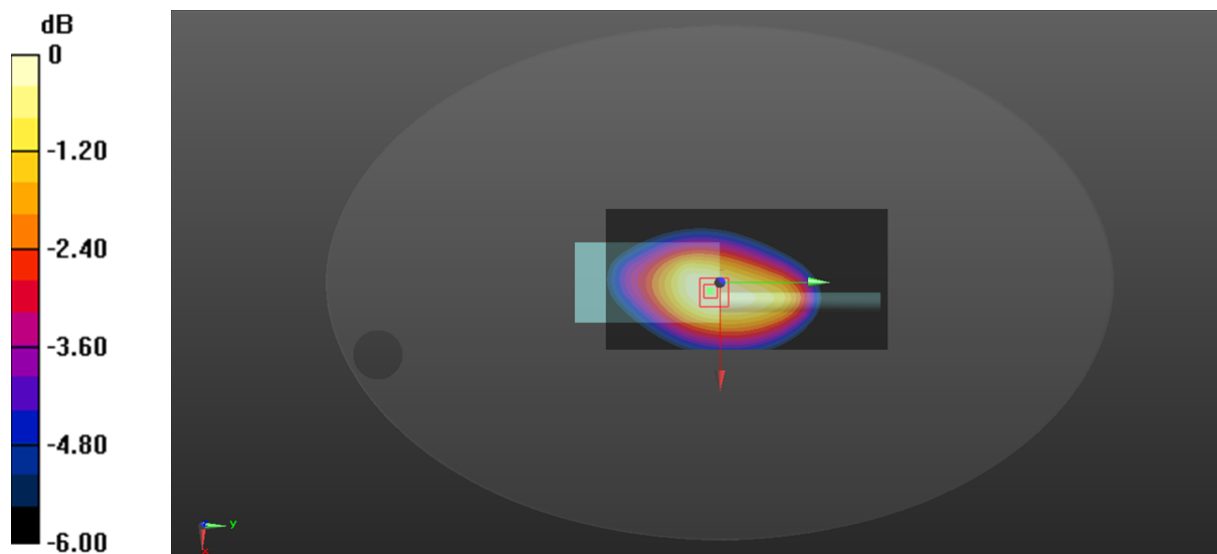
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 73.02 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 5.48 W/kg

SAR(1 g) = 4.57 W/kg; SAR(10 g) = 3.57 W/kg

Maximum value of SAR (measured) = 4.79 W/kg



0 dB = 4.79 W/kg = 6.80 dBW/kg

Test Plot 13#: FM_25kHz_469.9875MHz_Body Back**DUT: DIGITAL PORTABLE RADIO; Type: BD305 U(1); Serial: RDG210409042-SA-S1**

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

Medium parameters used: $f = 469.988$ MHz; $\sigma = 0.891$ S/m; $\epsilon_r = 43.367$; $\rho = 1000$ kg/m³

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 (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.67 W/kg

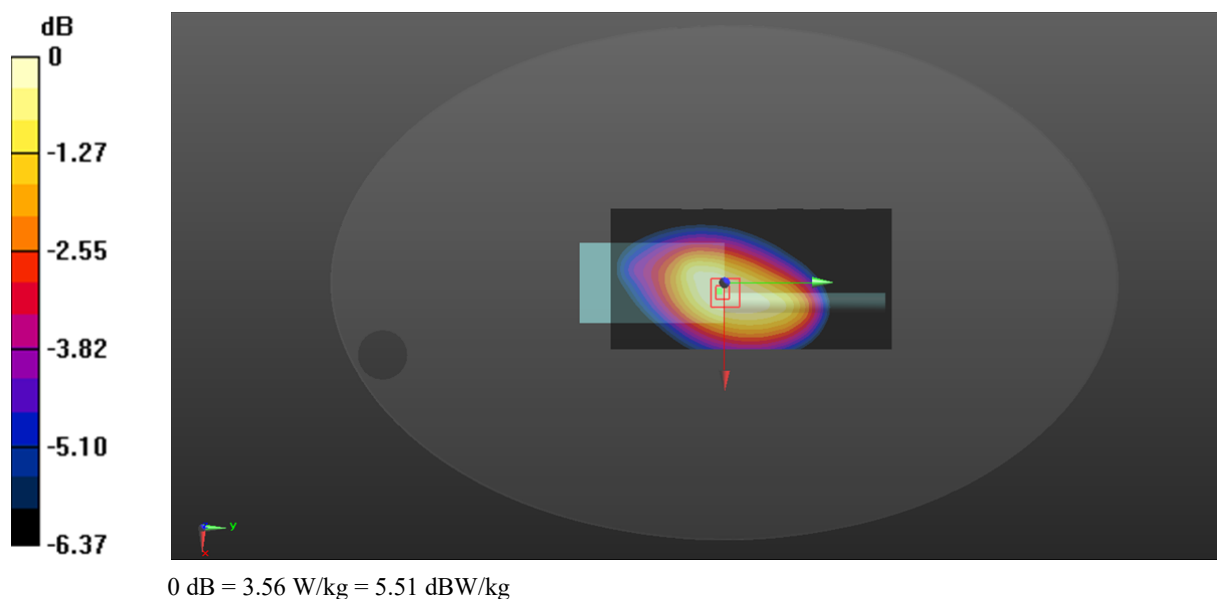
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 65.19 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 4.05 W/kg

SAR(1 g) = 3.39 W/kg; SAR(10 g) = 2.64 W/kg

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



Test Plot 14#: 4FSK_417.5125MHz _Body Back**DUT: DIGITAL PORTABLE RADIO; Type: BD305 U(1); Serial: RDG210409042-SA-S1**

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

Medium parameters used: $f = 417.512$ MHz; $\sigma = 0.841$ S/m; $\epsilon_r = 43.921$; $\rho = 1000$ kg/m³

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 (71x141x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 3.34 W/kg

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

Reference Value = 62.32 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 3.90 W/kg

SAR(1 g) = 3.07 W/kg; SAR(10 g) = 2.43 W/kg

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

