

Test Plot 1#:FM_12.5kHz_143MHz_Face Up_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: BD505 VHF; Serial: RDG210330019-SA-S1**

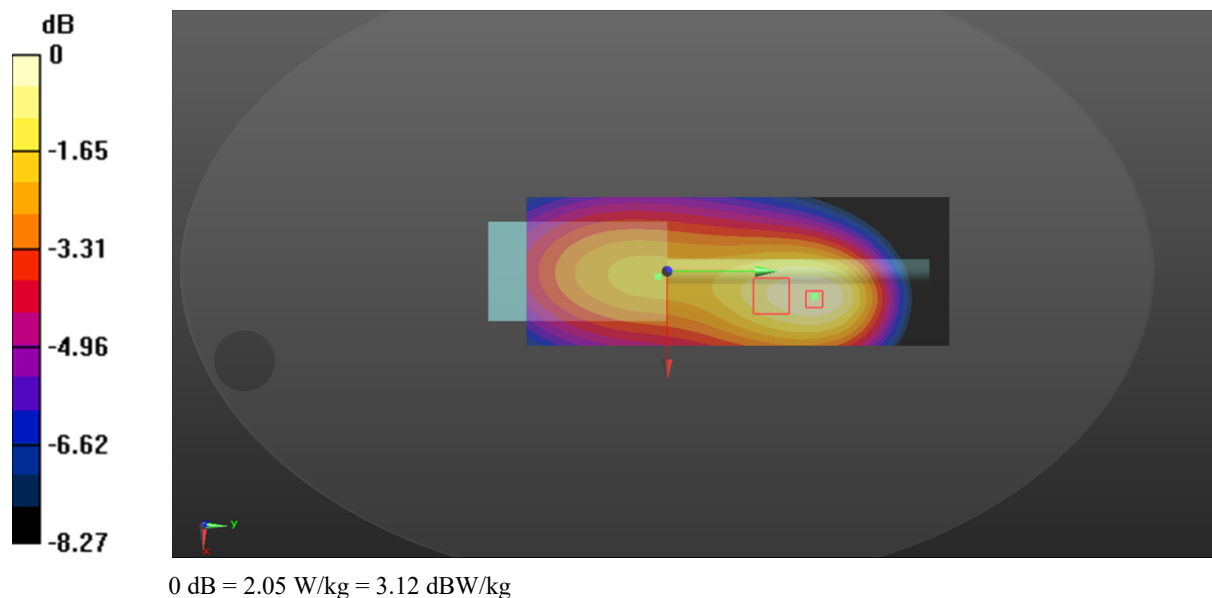
Communication System: FM; Frequency: 143 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 143 \text{ MHz}$; $\sigma = 0.747 \text{ S/m}$; $\epsilon_r = 52.512$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 143 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 (61x171x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 2.10 W/kg **Zoom Scan (5x8x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 43.55 V/m ; Power Drift = -0.07 dB Peak SAR (extrapolated) = 3.24 W/kg **SAR(1 g) = 1.98 W/kg ; SAR(10 g) = 1.46 W/kg** Maximum value of SAR (measured) = 2.05 W/kg 

Test Plot 2#: FM_12.5kHz_153.0125MHz_Face Up_Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: BD505 VHF; Serial: RDG210330019-SA-S1**

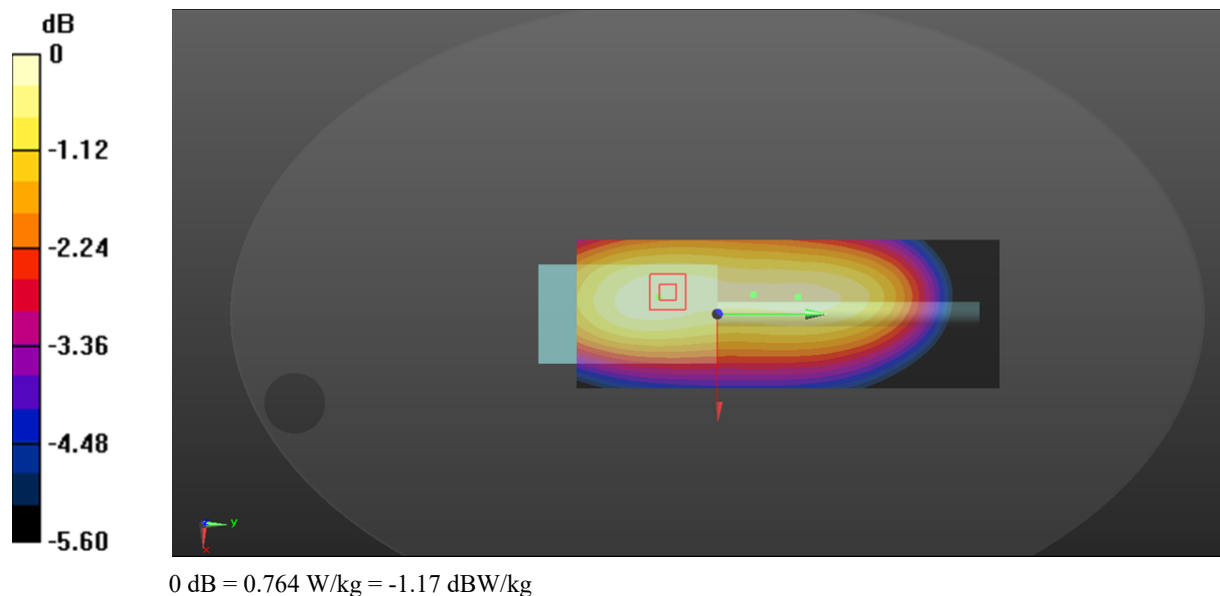
Communication System: FM; Frequency: 153.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.012 \text{ MHz}$; $\sigma = 0.767 \text{ S/m}$; $\epsilon_r = 52.446$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 153.012 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 (61x171x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 0.750 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 31.26 V/m ; Power Drift = -0.14 dB Peak SAR (extrapolated) = 0.948 W/kg **SAR(1 g) = 0.737 W/kg ; SAR(10 g) = 0.594 W/kg** Maximum value of SAR (measured) = 0.764 W/kg 

Test Plot 3#: FM_25kHz_143MHz_Face Up_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: BD505 VHF; Serial: RDG210330019-SA-S1**

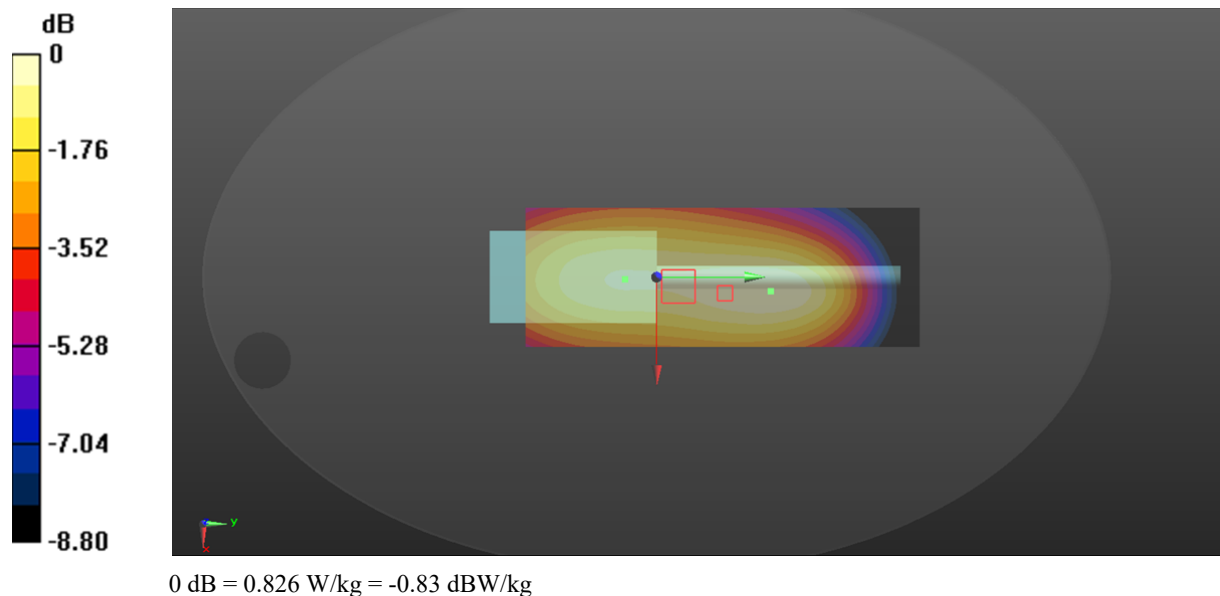
Communication System: FM; Frequency: 143 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 143 \text{ MHz}$; $\sigma = 0.747 \text{ S/m}$; $\epsilon_r = 52.512$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 143 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 (61x171x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 0.863 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 28.33 V/m ; Power Drift = 0.14 dB Peak SAR (extrapolated) = 1.14 W/kg **SAR(1 g) = 0.797 W/kg ; SAR(10 g) = 0.620 W/kg** Maximum value of SAR (measured) = 0.826 W/kg 

Test Plot 4#: FM_25kHz_153.0125MHz_Face Up_Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: BD505 VHF; Serial: RDG210330019-SA-S1**

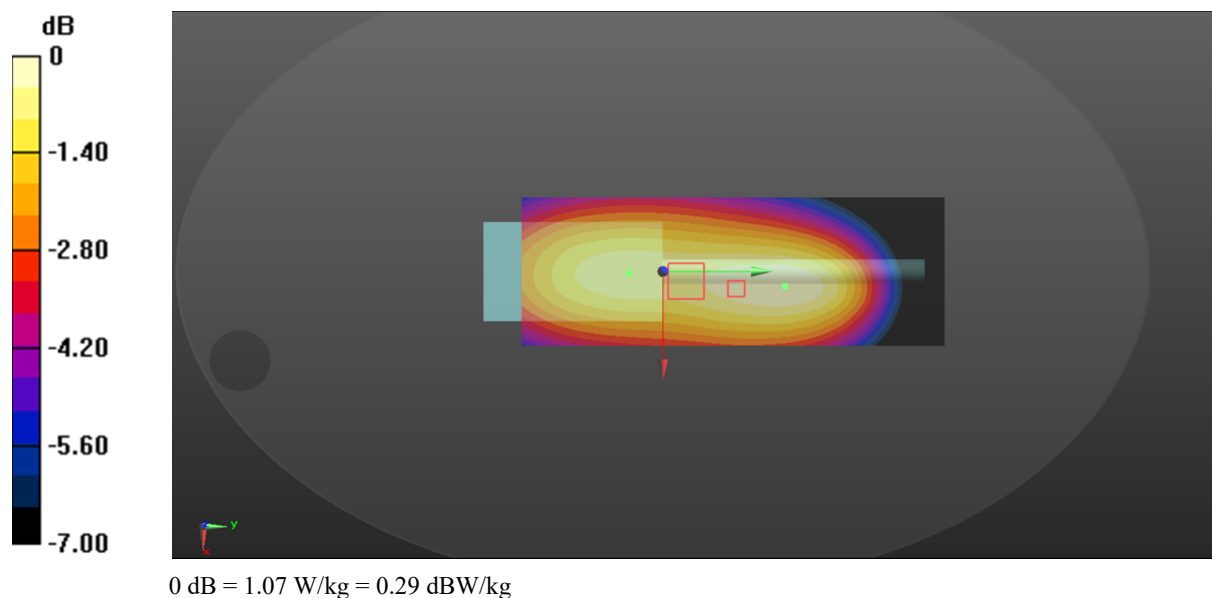
Communication System: FM; Frequency: 153.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.012 \text{ MHz}$; $\sigma = 0.767 \text{ S/m}$; $\epsilon_r = 52.446$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 153.012 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 (61x171x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 1.06 W/kg **Zoom Scan (6x12x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 35.52 V/m ; Power Drift = 0.12 dB Peak SAR (extrapolated) = 1.53 W/kg **SAR(1 g) = 1.03 W/kg ; SAR(10 g) = 0.851 W/kg** Maximum value of SAR (measured) = 1.07 W/kg 

Test Plot 5#:4FSK_143MHz_ Face Up_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: BD505 VHF; Serial: RDG210330019-SA-S1**

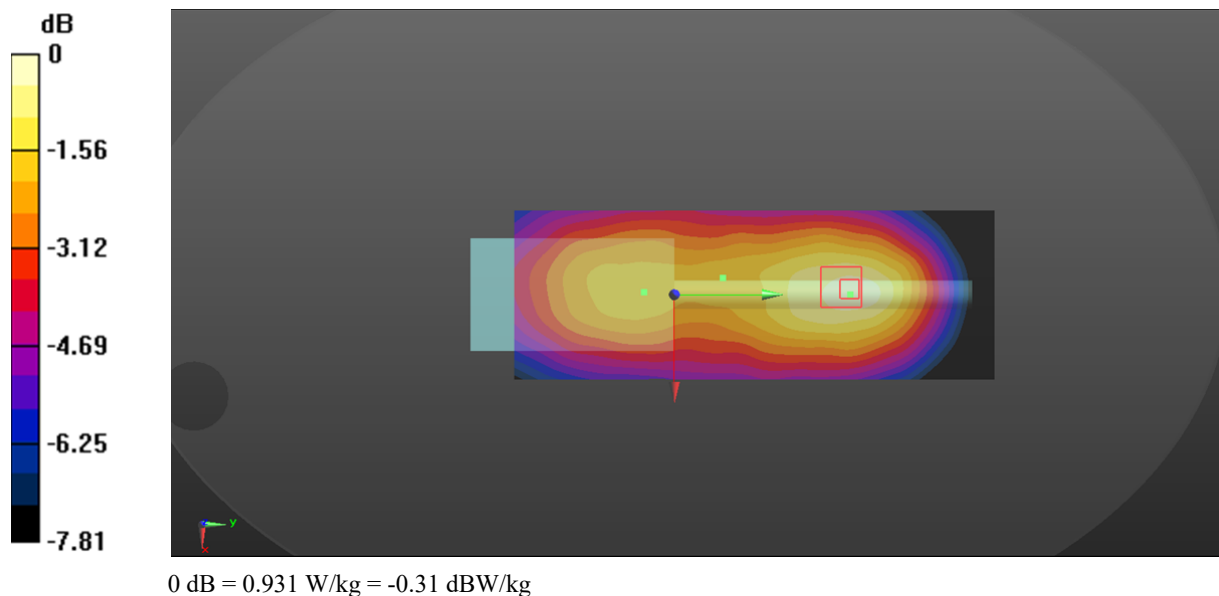
Communication System: 4FSK ; Frequency: 143 MHz;Duty Cycle: 1:2

Medium parameters used: $f = 143 \text{ MHz}$; $\sigma = 0.747 \text{ S/m}$; $\epsilon_r = 52.512$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 143 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 (61x171x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 0.903 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 28.50 V/m ; Power Drift = 0.17 dB Peak SAR (extrapolated) = 1.54 W/kg **SAR(1 g) = 0.903 W/kg ; SAR(10 g) = 0.648 W/kg** Maximum value of SAR (measured) = 0.931 W/kg 

Test Plot 6#:4FSK_153.0125MHz_Face Up_Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: BD505 VHF; Serial: RDG210330019-SA-S1**

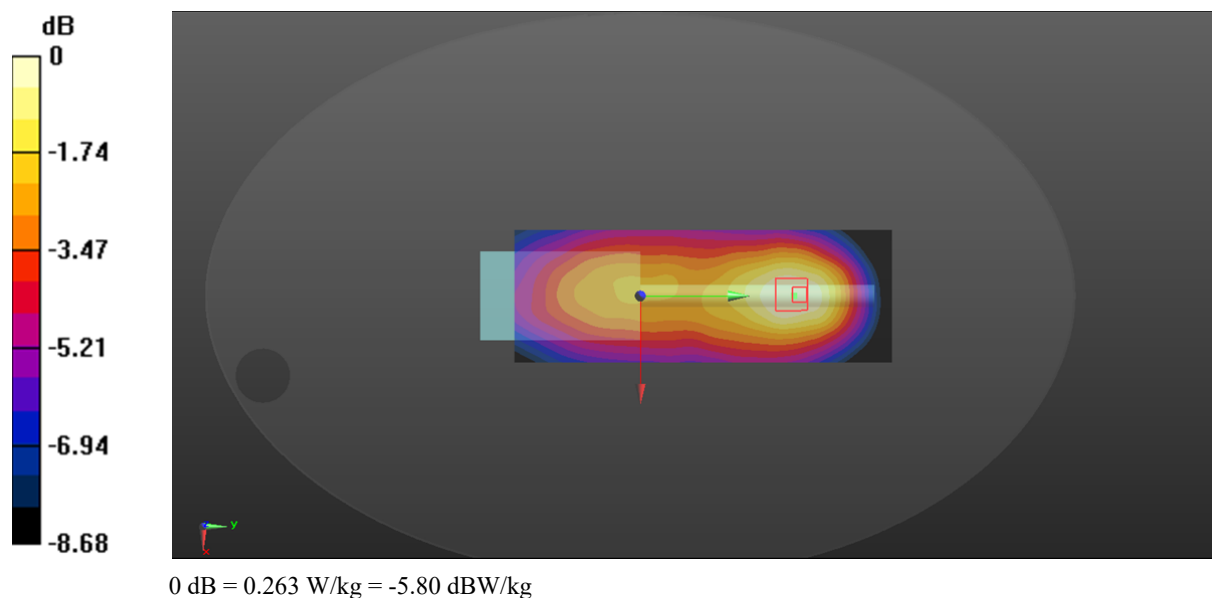
Communication System: 4FSK ; Frequency: 153.012 MHz;Duty Cycle: 1:2

Medium parameters used: $f = 153.012 \text{ MHz}$; $\sigma = 0.767 \text{ S/m}$; $\epsilon_r = 52.446$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.7, 7.7, 7.7) @ 153.012 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 (61x171x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 0.272 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 15.10 V/m ; Power Drift = -0.05 dB Peak SAR (extrapolated) = 0.461 W/kg **SAR(1 g) = 0.257 W/kg ; SAR(10 g) = 0.179 W/kg** Maximum value of SAR (measured) = 0.263 W/kg 

Test Plot 7#: FM_12.5kHz_143MHz_Body Back_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: BD505 VHF; Serial: RDG210330019-SA-S1**

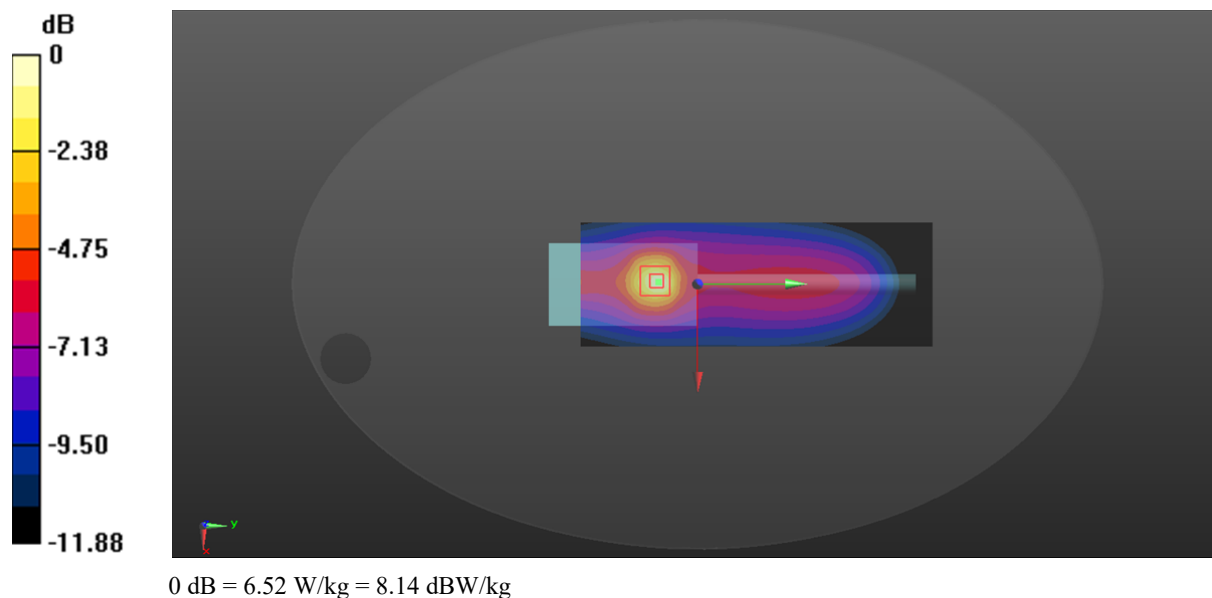
Communication System: FM; Frequency: 143 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 143 \text{ MHz}$; $\sigma = 0.772 \text{ S/m}$; $\epsilon_r = 62.349$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 143 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 (61x171x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.26 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 46.79 V/m ; Power Drift = -0.12 dB Peak SAR (extrapolated) = 23.2 W/kg **SAR(1 g) = 6.24 W/kg ; SAR(10 g) = 2.88 W/kg** Maximum value of SAR (measured) = 6.52 W/kg 

Test Plot 8#: FM_12.5kHz_153.0125MHz_Body Back_Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: BD505 VHF; Serial: RDG210330019-SA-S1**

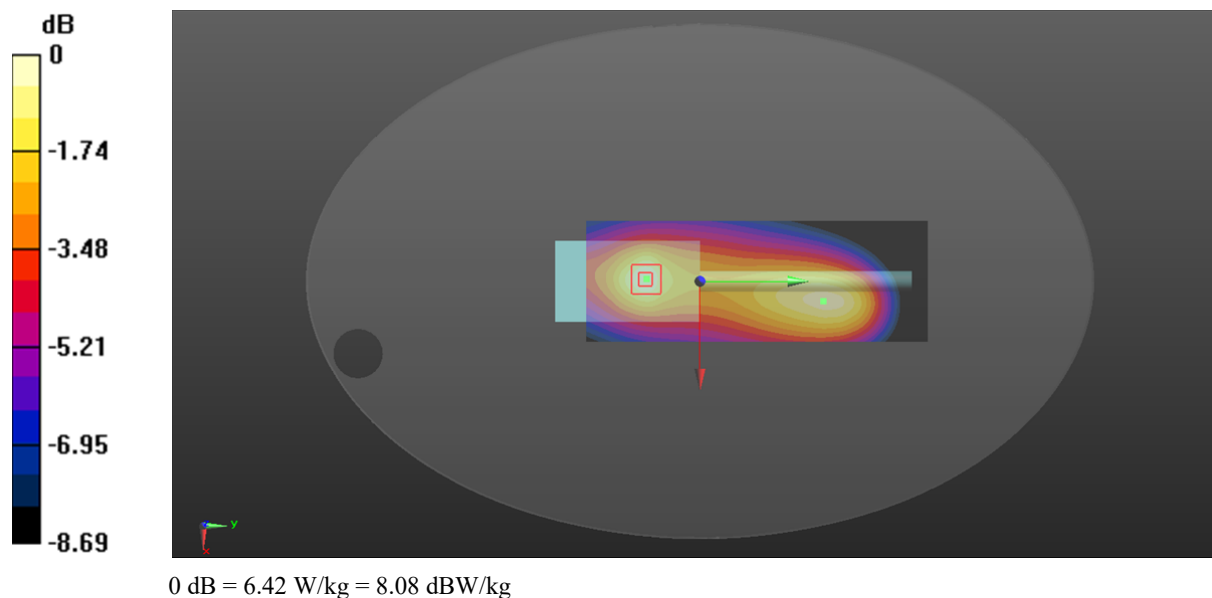
Communication System: FM; Frequency: 153.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.012 \text{ MHz}$; $\sigma = 0.814 \text{ S/m}$; $\epsilon_r = 61.942$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 153.012 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 (61x171x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.94 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 70.05 V/m ; Power Drift = -0.06 dB Peak SAR (extrapolated) = 11.9 W/kg **SAR(1 g) = 6.01 W/kg ; SAR(10 g) = 3.77 W/kg** Maximum value of SAR (measured) = 6.42 W/kg 

Test Plot 9#: FM_25kHz_136.0125MHz_Body Back_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: BD505 VHF; Serial: RDG210330019-SA-S1**

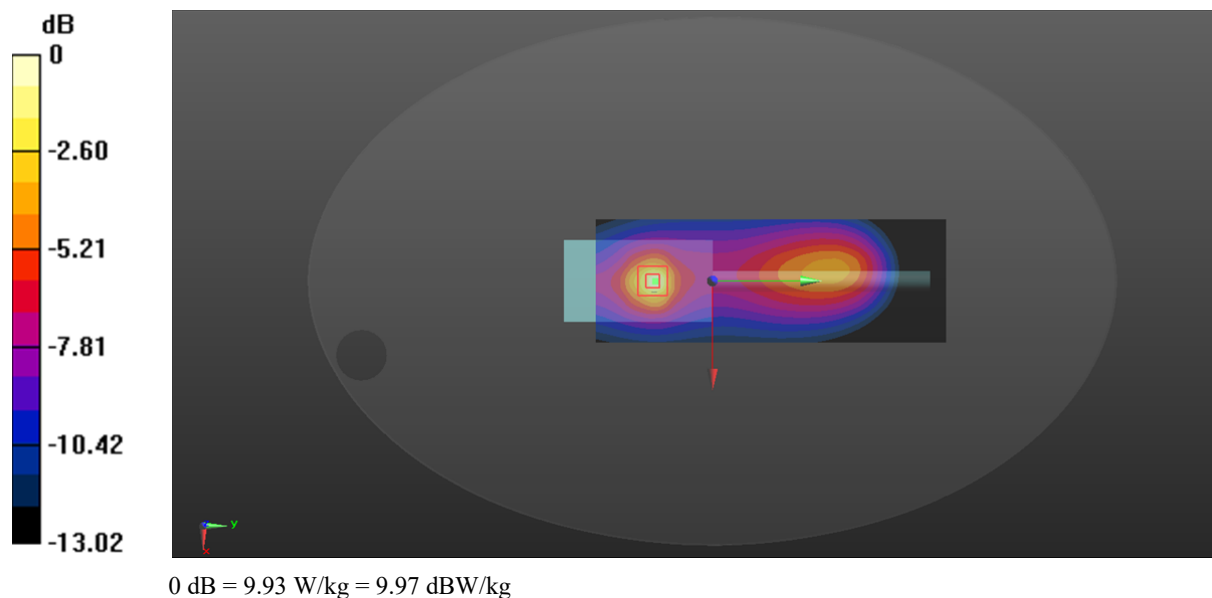
Communication System: FM; Frequency: 136.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 136.012 \text{ MHz}$; $\sigma = 0.767 \text{ S/m}$; $\epsilon_r = 62.462$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 136.012 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 (61x171x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 9.29 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 49.43 V/m ; Power Drift = 0.12 dB Peak SAR (extrapolated) = 37.9 W/kg **SAR(1 g) = 9.54 W/kg ; SAR(10 g) = 4.2 W/kg** Maximum value of SAR (measured) = 9.93 W/kg 

Test Plot 10#: FM_25kHz_143MHz_Body Back_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: BD505 VHF; Serial: RDG210330019-SA-S1**

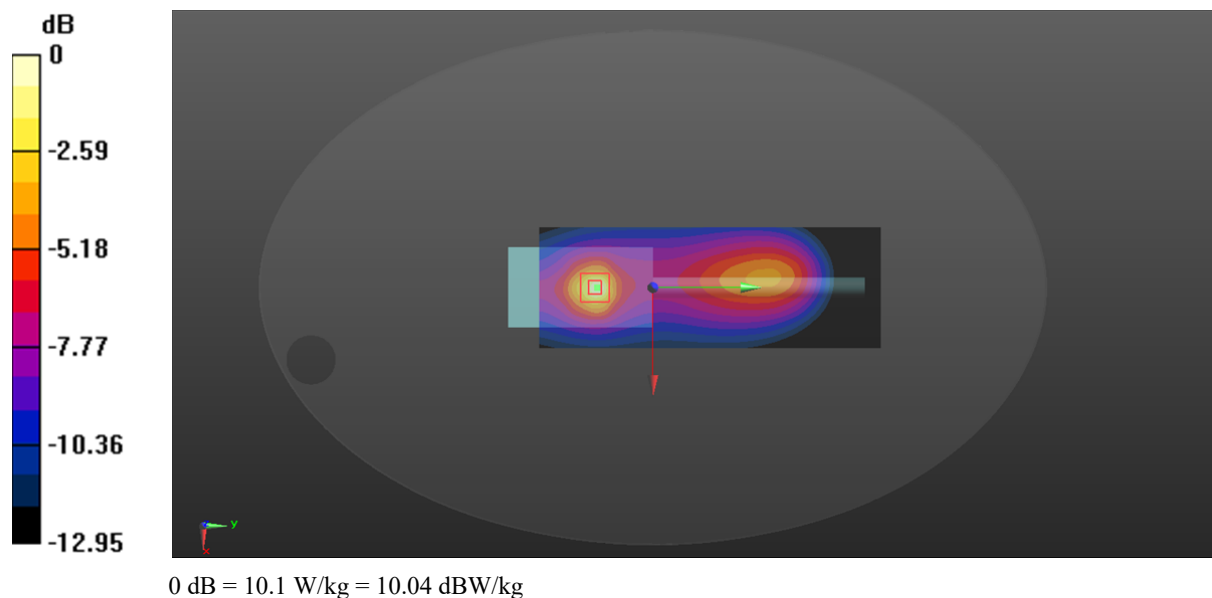
Communication System: FM; Frequency: 143 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 143 \text{ MHz}$; $\sigma = 0.772 \text{ S/m}$; $\epsilon_r = 62.349$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 143 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 (61x171x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 9.68 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 52.19 V/m ; Power Drift = -0.06 dB Peak SAR (extrapolated) = 39.5 W/kg **SAR(1 g) = 9.87 W/kg ; SAR(10 g) = 4.34 W/kg** Maximum value of SAR (measured) = 10.1 W/kg 

Test Plot 11#: FM_25kHz_149.9875MHz_Body Back_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: BD505 VHF; Serial: RDG210330019-SA-S1**

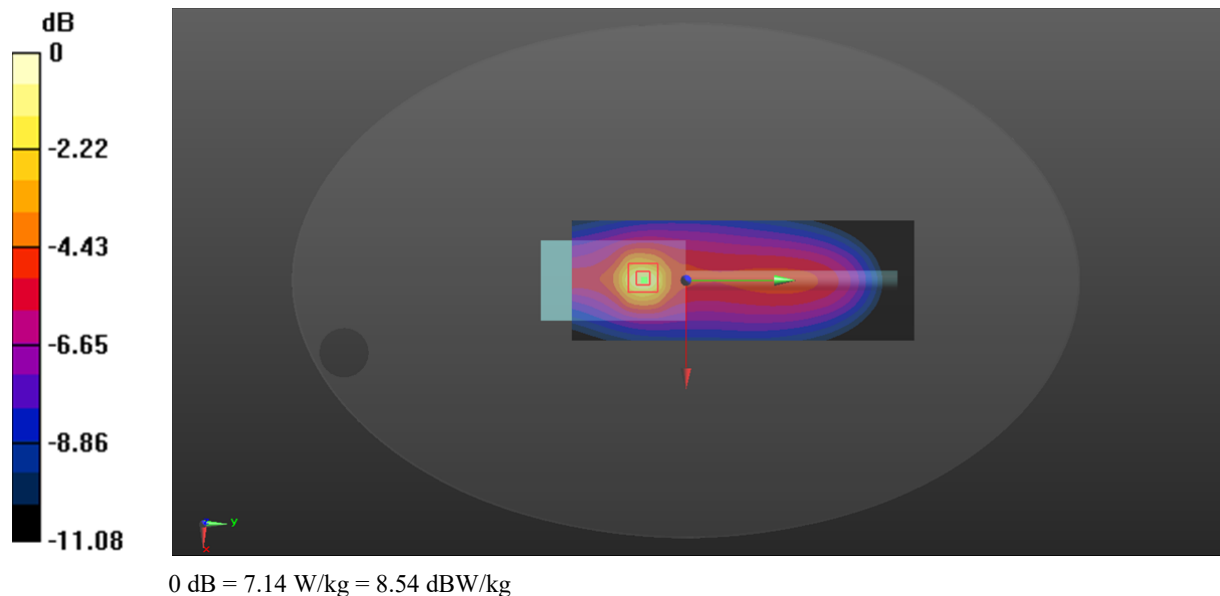
Communication System: FM; Frequency: 149.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 149.988 \text{ MHz}$; $\sigma = 0.803 \text{ S/m}$; $\epsilon_r = 62.169$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 149.988 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 (61x171x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.10 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 56.32 V/m ; Power Drift = -0.10 dB Peak SAR (extrapolated) = 21.1 W/kg **SAR(1 g) = 6.88 W/kg ; SAR(10 g) = 3.46 W/kg** Maximum value of SAR (measured) = 7.14 W/kg 

Test Plot 12#: FM_25kHz_146.0125MHz_Body Back_Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: BD505 VHF; Serial: RDG210330019-SA-S1**

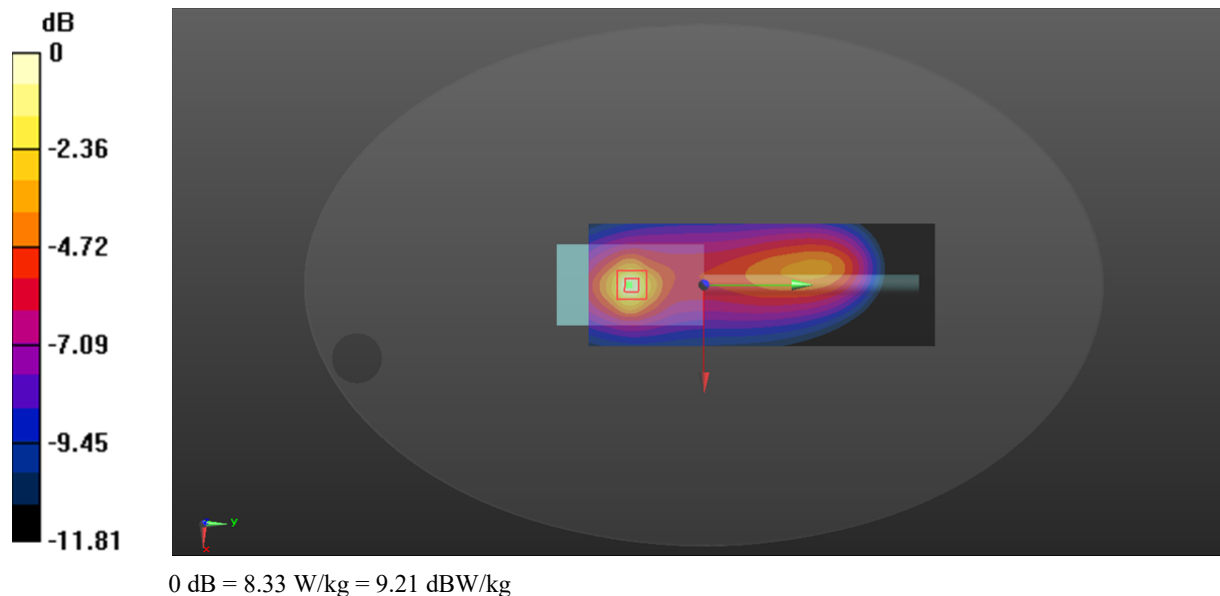
Communication System: FM; Frequency: 146.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 146.012 \text{ MHz}$; $\sigma = 0.791 \text{ S/m}$; $\epsilon_r = 62.265$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 146.012 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 (61x171x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.64 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 56.32 V/m ; Power Drift = -0.16 dB Peak SAR (extrapolated) = 26.5 W/kg **SAR(1 g) = 8.09 W/kg ; SAR(10 g) = 3.96 W/kg** Maximum value of SAR (measured) = 8.33 W/kg 

Test Plot 13#: FM_25kHz_153.0125MHz_Body Back_Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: BD505 VHF; Serial: RDG210330019-SA-S1**

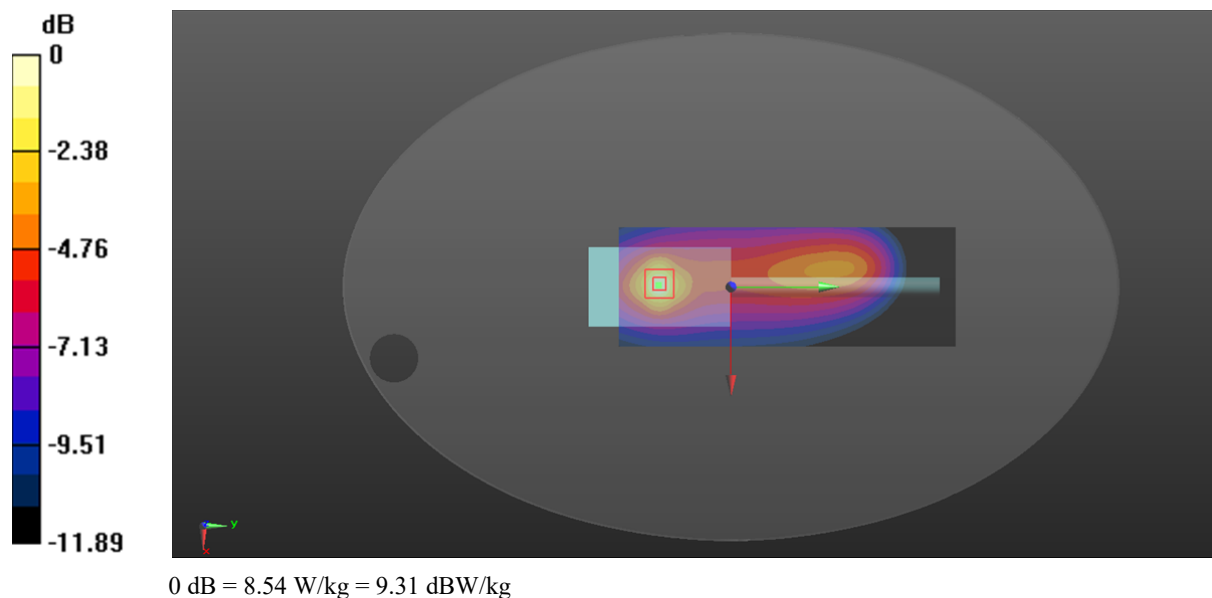
Communication System: FM; Frequency: 153.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 153.012 \text{ MHz}$; $\sigma = 0.814 \text{ S/m}$; $\epsilon_r = 61.942$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 153.012 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 (61x171x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 8.94 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 58.23 V/m ; Power Drift = -0.16 dB Peak SAR (extrapolated) = 28.3 W/kg **SAR(1 g) = 8.3 W/kg ; SAR(10 g) = 3.98 W/kg** Maximum value of SAR (measured) = 8.54 W/kg 

Test Plot 14#: FM_25kHz_160MHz_Body Back_Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: BD505 VHF; Serial: RDG210330019-SA-S1**

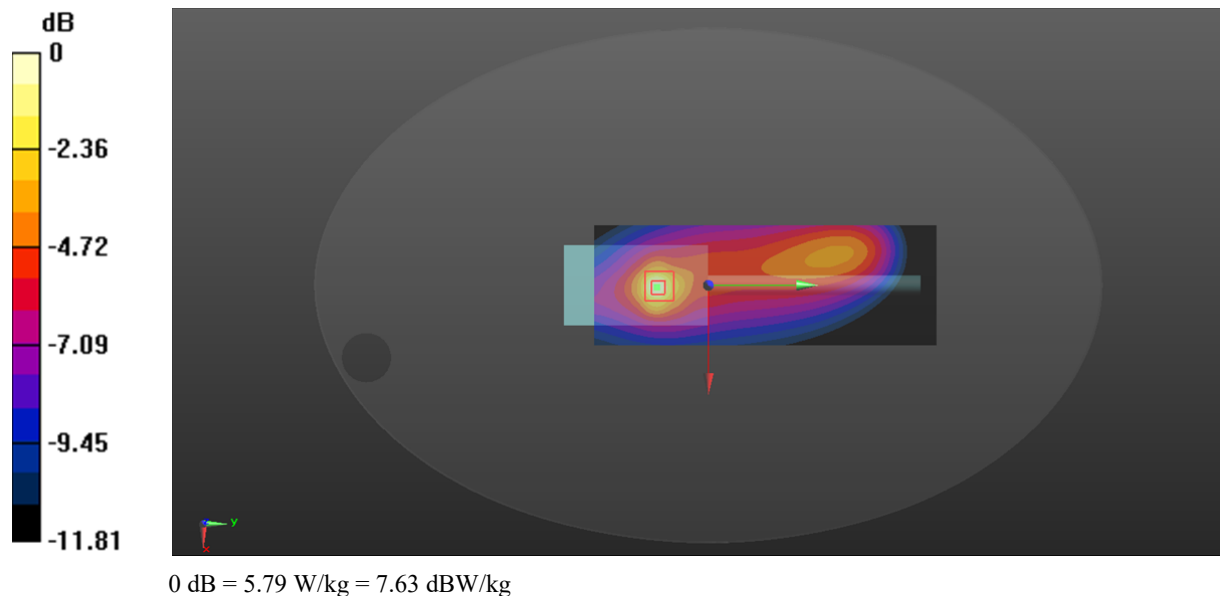
Communication System: FM; Frequency: 160 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 160 \text{ MHz}$; $\sigma = 0.821 \text{ S/m}$; $\epsilon_r = 61.867$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 160 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 (61x171x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 5.83 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 50.52 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 17.7 W/kg **SAR(1 g) = 5.48 W/kg ; SAR(10 g) = 2.69 W/kg** Maximum value of SAR (measured) = 5.79 W/kg 

Test Plot 15#: FM_25kHz_166.9875MHz_Body Back_Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: BD505 VHF; Serial: RDG210330019-SA-S1**

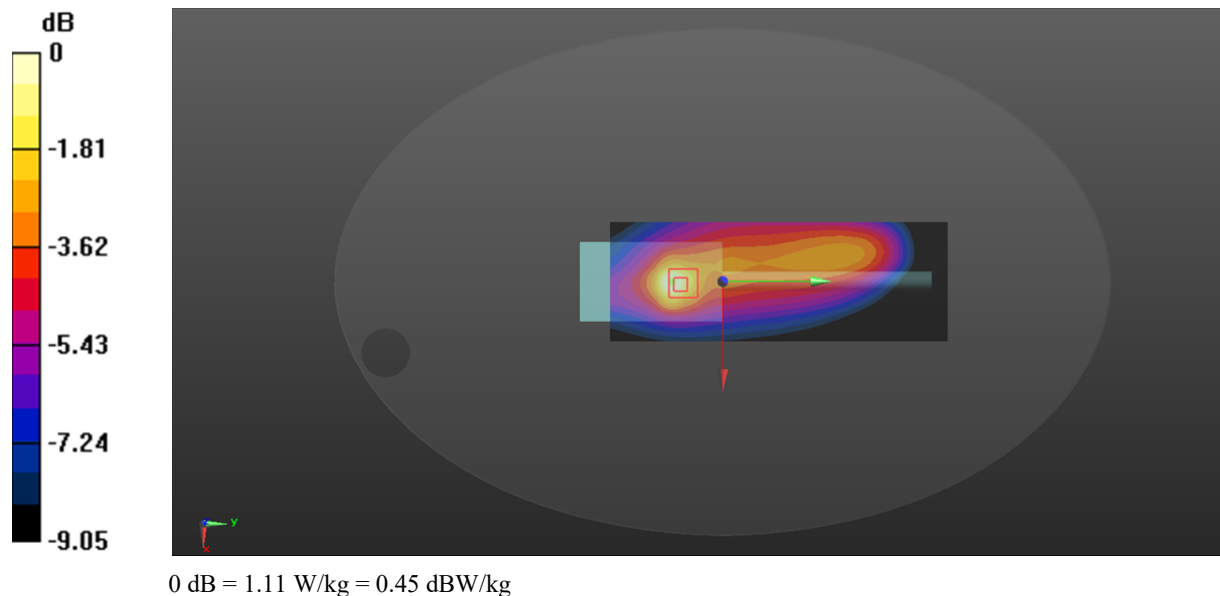
Communication System: FM; Frequency: 166.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 166.988 \text{ MHz}$; $\sigma = 0.827 \text{ S/m}$; $\epsilon_r = 61.765$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 166.988 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 (61x171x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 1.24 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 25.77 V/m ; Power Drift = 0.09 dB Peak SAR (extrapolated) = 2.34 W/kg **SAR(1 g) = 1.07 W/kg ; SAR(10 g) = 0.658 W/kg** Maximum value of SAR (measured) = 1.11 W/kg 

Test Plot 16#: FM_25kHz_173.9875MHz_Body Back_Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: BD505 VHF; Serial: RDG210330019-SA-S1**

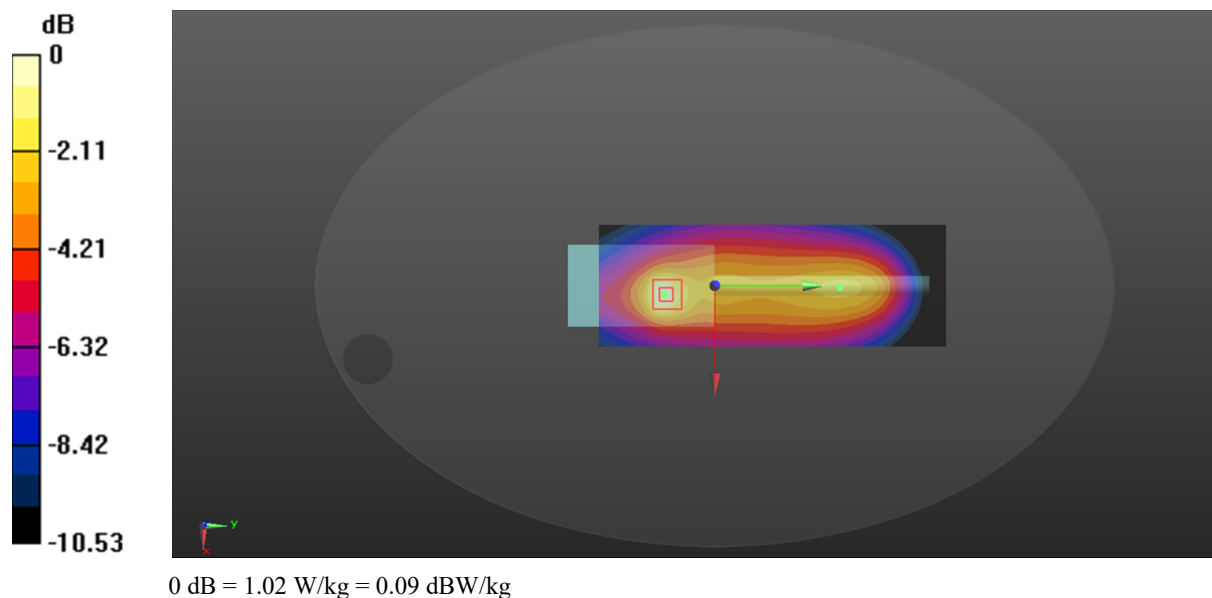
Communication System: FM; Frequency: 173.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 173.988 \text{ MHz}$; $\sigma = 0.832 \text{ S/m}$; $\epsilon_r = 61.691$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 173.988 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 (61x171x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 1.01 W/kg **Zoom Scan (6x6x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 28.59 V/m ; Power Drift = -0.07 dB Peak SAR (extrapolated) = 2.44 W/kg **SAR(1 g) = 0.968 W/kg ; SAR(10 g) = 0.549 W/kg** Maximum value of SAR (measured) = 1.02 W/kg 

Test Plot 17#: 4FSK_143MHz_ Body Back_Antenna 1**DUT: DIGITAL PORTABLE RADIO; Type: BD505 VHF; Serial: RDG210330019-SA-S1**

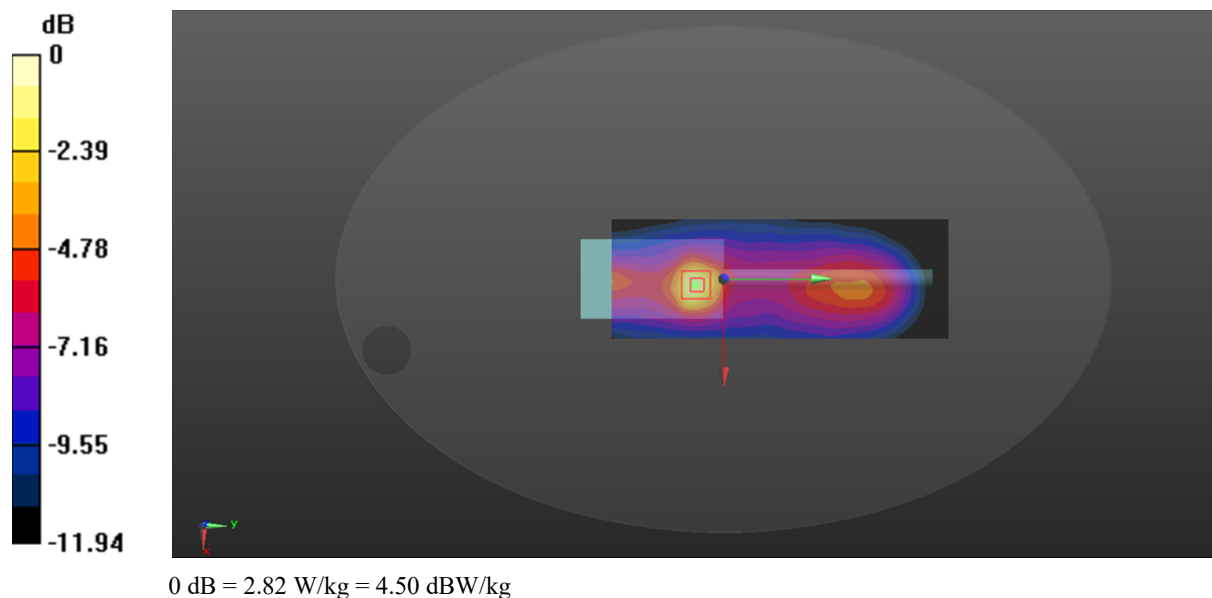
Communication System: 4FSK; Frequency: 143 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 143 \text{ MHz}$; $\sigma = 0.772 \text{ S/m}$; $\epsilon_r = 62.349$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 143 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 (61x171x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 2.39 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 34.58 V/m ; Power Drift = -0.03 dB Peak SAR (extrapolated) = 10.4 W/kg **SAR(1 g) = 2.7 W/kg ; SAR(10 g) = 1.22 W/kg** Maximum value of SAR (measured) = 2.82 W/kg 

Test Plot 18#: 4FSK_153.0125MHz _Body Back _Antenna 2**DUT: DIGITAL PORTABLE RADIO; Type: BD505 VHF; Serial: RDG210330019-SA-S1**

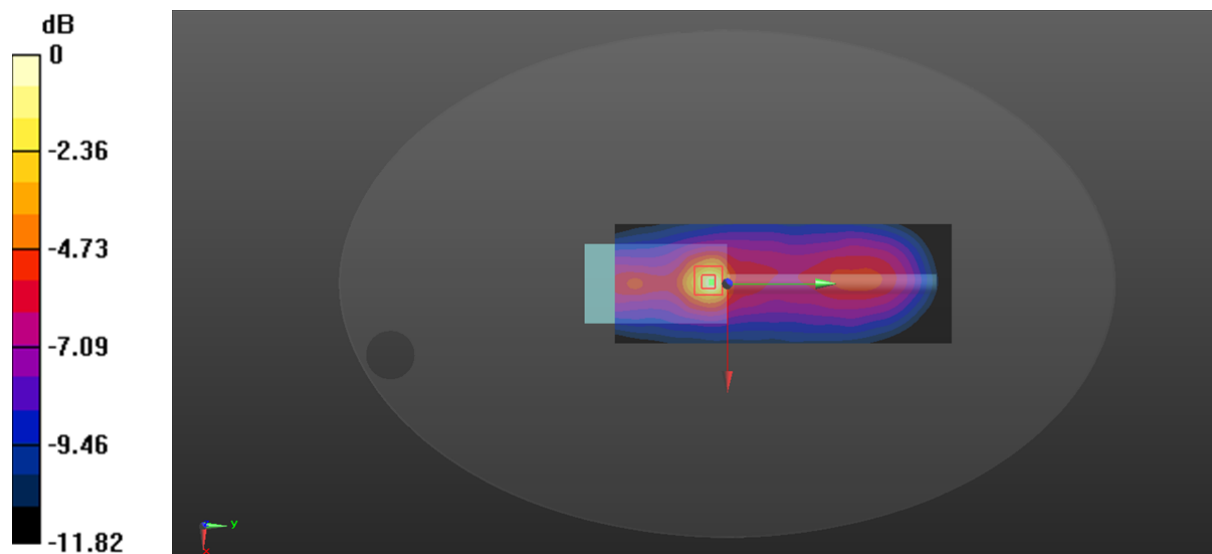
Communication System: 4FSK; Frequency: 153.012 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 153.012 \text{ MHz}$; $\sigma = 0.814 \text{ S/m}$; $\epsilon_r = 61.942$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: ES3DV2 - SN3019; ConvF(7.38, 7.38, 7.38) @ 153.012 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 (61x171x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 0.648 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 20.00 V/m ; Power Drift = -0.08 dB Peak SAR (extrapolated) = 2.97 W/kg **SAR(1 g) = 0.681 W/kg ; SAR(10 g) = 0.304 W/kg** Maximum value of SAR (measured) = 0.683 W/kg 0 dB = 0.683 W/kg = -1.66 dBW/kg