

**Test Plot 1#: FM\_12.5kHz\_452.4875MHz\_ Face Up****DUT: DMR Digital Portable Radio; Type: D30; Serial: RXM210414051-SA-S1**

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

Medium parameters used:  $f = 452.488$  MHz;  $\sigma = 0.893$  S/m;  $\epsilon_r = 43.534$ ;  $\rho = 1000$  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) = 6.04 W/kg

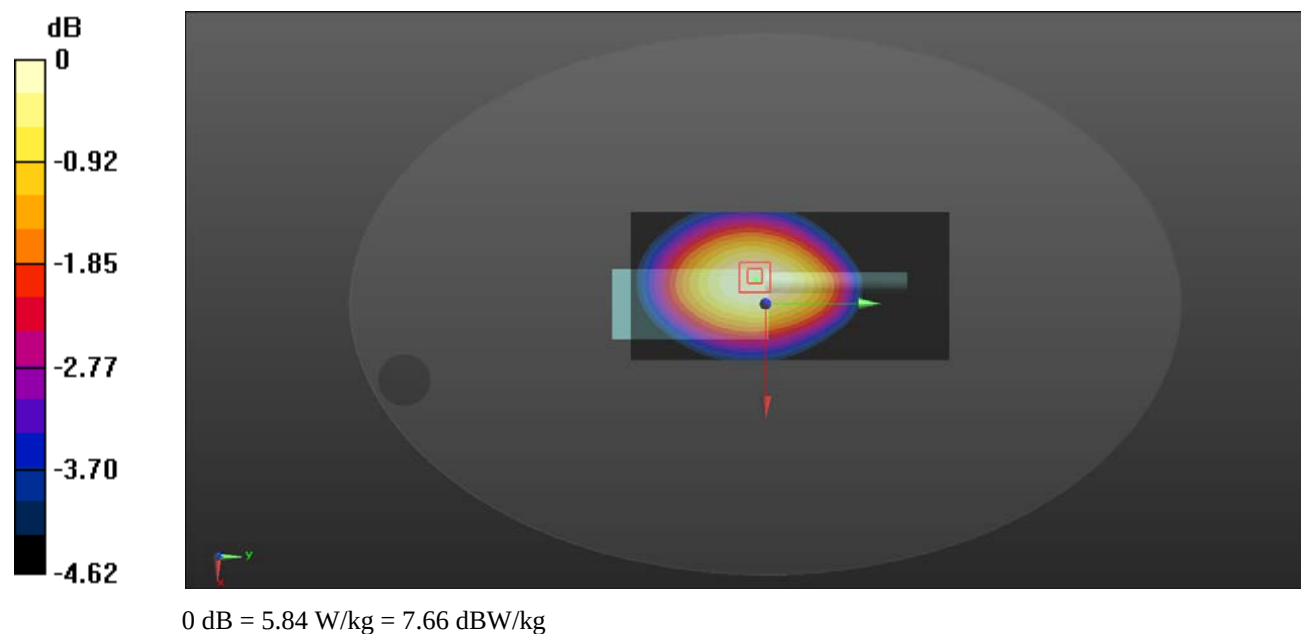
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 78.93 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 6.39 W/kg

**SAR(1 g) = 5.7 W/kg; SAR(10 g) = 4.88 W/kg**

Maximum value of SAR (measured) = 5.84 W/kg



**Test Plot 2#: 4FSK\_452.4875MHz\_ Face Up****DUT: DMR Digital Portable Radio; Type: D30; Serial: RXM210414051-SA-S1**

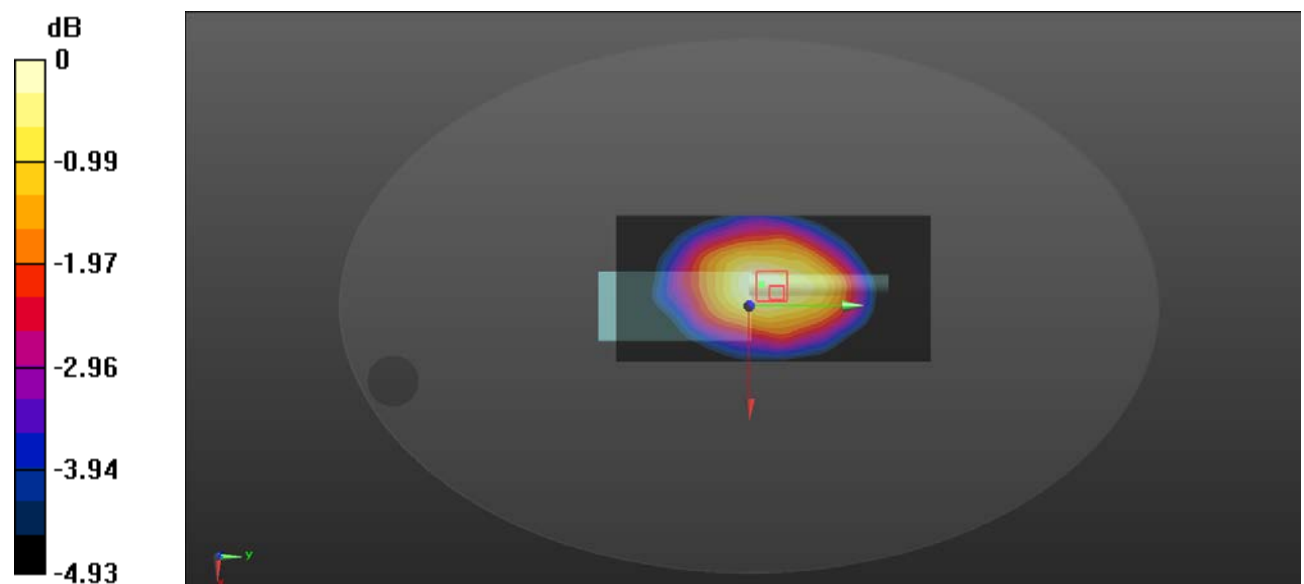
Communication System: 4FSK; Frequency: 452.488 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 452.488 \text{ MHz}$ ;  $\sigma = 0.893 \text{ S/m}$ ;  $\epsilon_r = 43.534$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $2.60 \text{ W/kg}$ **Zoom Scan (6x6x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $48.02 \text{ V/m}$ ; Power Drift =  $0.08 \text{ dB}$ Peak SAR (extrapolated) =  $3.23 \text{ W/kg}$ **SAR(1 g) =  $2.45 \text{ W/kg}$ ; SAR(10 g) =  $2.02 \text{ W/kg}$** Maximum value of SAR (measured) =  $2.55 \text{ W/kg}$ 0 dB =  $2.55 \text{ W/kg}$  =  $4.07 \text{ dBW/kg}$

**Test Plot 3#: FM\_12.5kHz\_400.0125MHz\_ Body Back****DUT: DMR Digital Portable Radio; Type: D30; Serial: RXM210414051-SA-S1**

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

Medium parameters used:  $f = 400.012$  MHz;  $\sigma = 0.856$  S/m;  $\epsilon_r = 44.312$ ;  $\rho = 1000$  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) = 5.35 W/kg

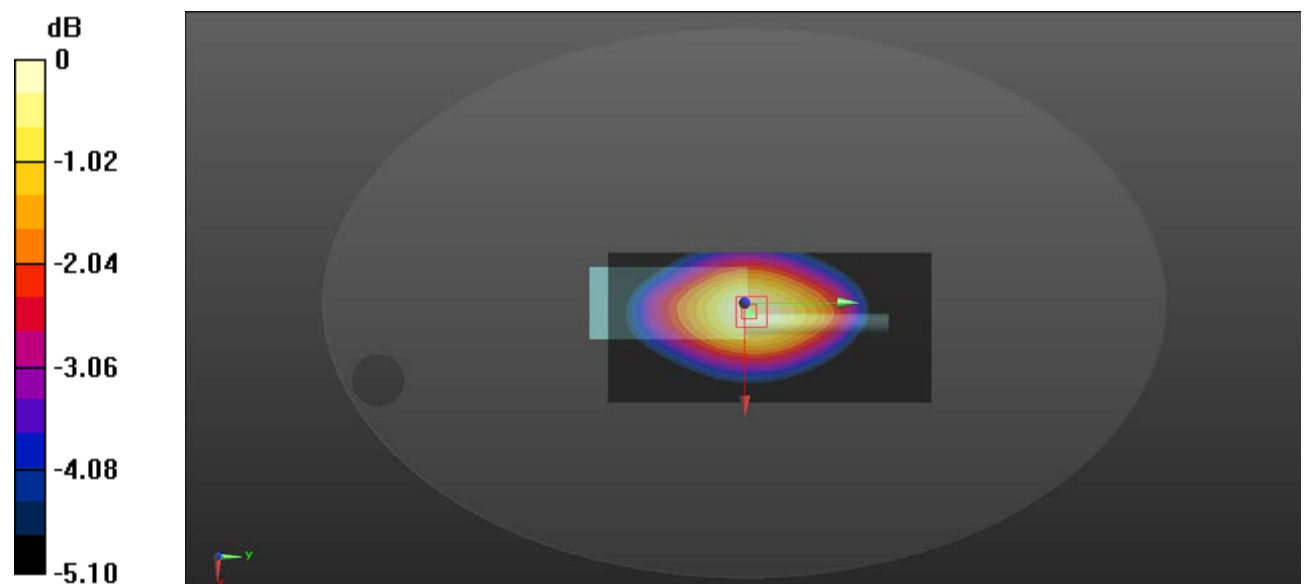
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 79.29 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 6.20 W/kg

**SAR(1 g) = 5.11 W/kg; SAR(10 g) = 4.14 W/kg**

Maximum value of SAR (measured) = 5.31 W/kg



0 dB = 5.31 W/kg = 7.25 dBW/kg

**Test Plot 4#: FM\_12.5kHz\_417.5125MHz\_ Body Back****DUT: DMR Digital Portable Radio; Type: D30; Serial: RXM210414051-SA-S1**

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

Medium parameters used:  $f = 417.512$  MHz;  $\sigma = 0.863$  S/m;  $\epsilon_r = 44.095$ ;  $\rho = 1000$  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) = 3.72 W/kg

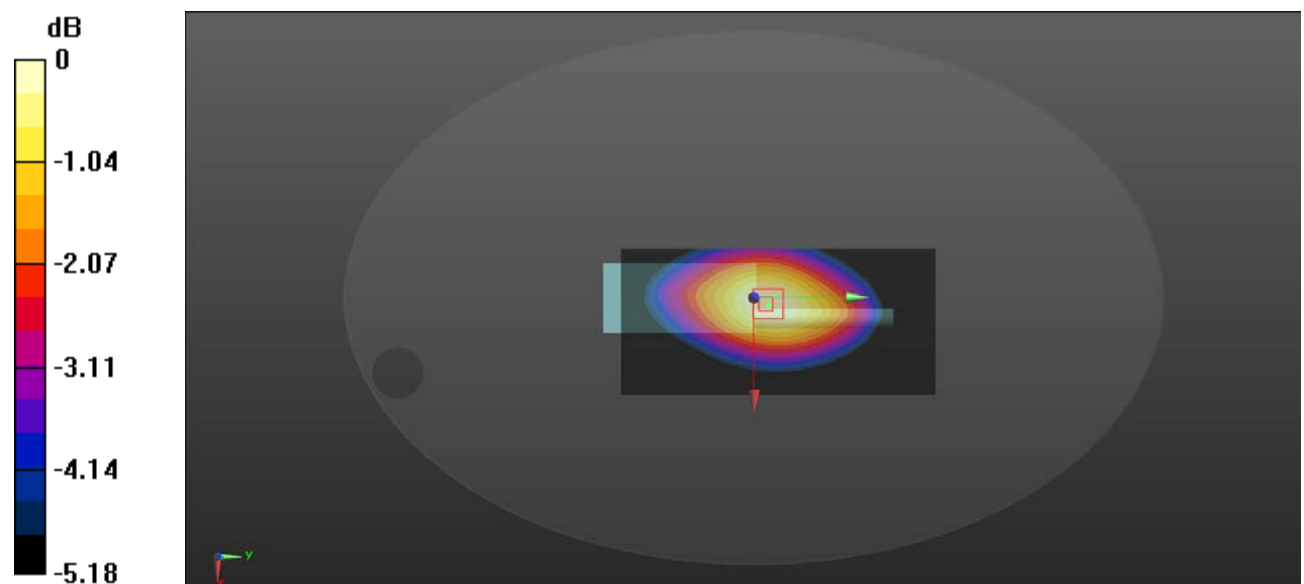
**Zoom Scan (5x5x4)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 68.45 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 4.37 W/kg

**SAR(1 g) = 3.57 W/kg; SAR(10 g) = 2.88 W/kg**

Maximum value of SAR (measured) = 3.71 W/kg



0 dB = 3.71 W/kg = 5.69 dBW/kg

**Test Plot 5#: FM\_12.5kHz\_435MHz\_ Body Back****DUT: DMR Digital Portable Radio; Type: D30; Serial: RXM210414051-SA-S1**

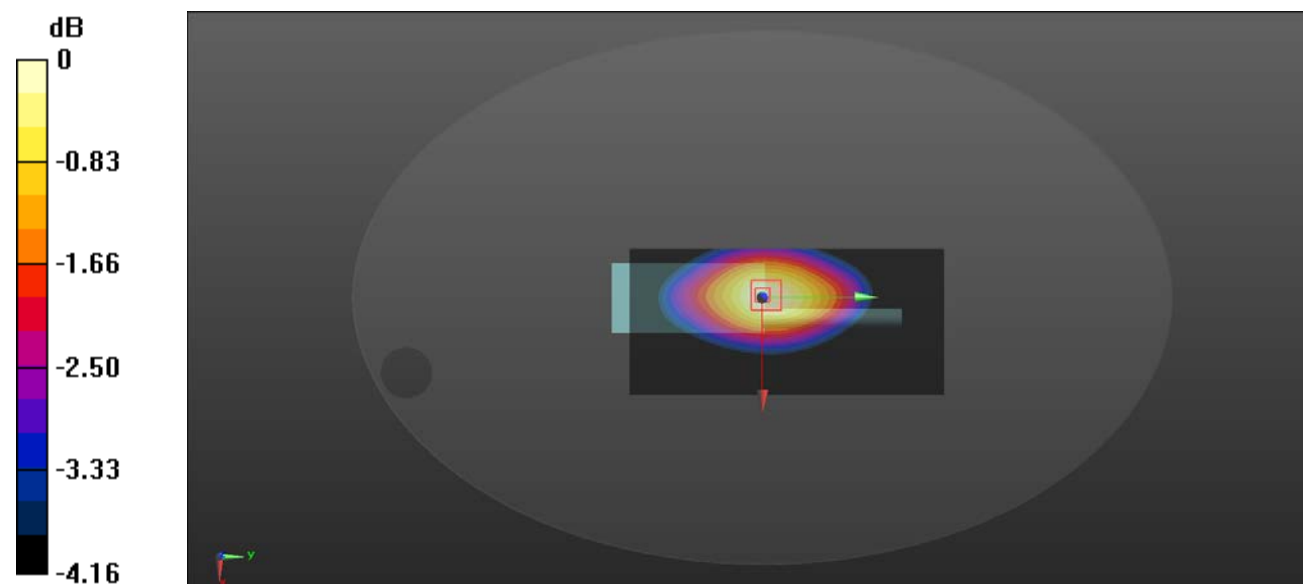
Communication System: FM; Frequency: 435 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 435 \text{ MHz}$ ;  $\sigma = 0.874 \text{ S/m}$ ;  $\epsilon_r = 43.863$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) =  $5.29 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $77.19 \text{ V/m}$ ; Power Drift =  $0.15 \text{ dB}$ Peak SAR (extrapolated) =  $6.23 \text{ W/kg}$ **SAR(1 g) =  $5.05 \text{ W/kg}$ ; SAR(10 g) =  $4.03 \text{ W/kg}$** Maximum value of SAR (measured) =  $5.27 \text{ W/kg}$ 0 dB =  $5.27 \text{ W/kg}$  =  $7.22 \text{ dBW/kg}$

**Test Plot 6#: FM\_12.5kHz\_452.4875MHz\_ Body Back****DUT: DMR Digital Portable Radio; Type: D30; Serial: RXM210414051-SA-S1**

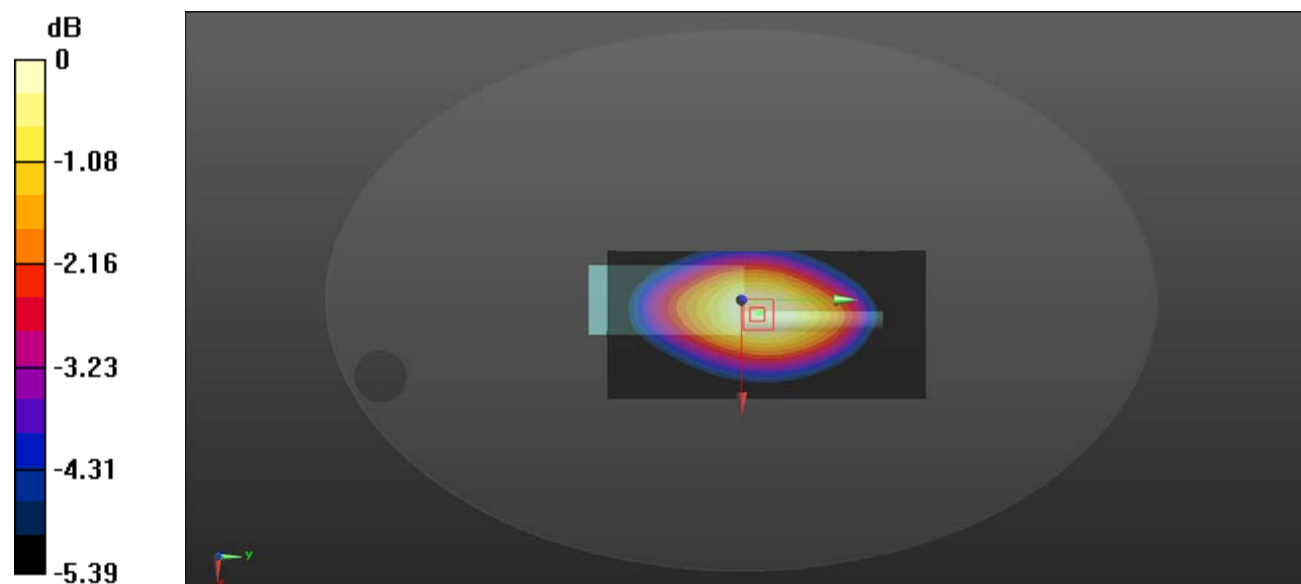
Communication System: FM; Frequency: 452.488 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 452.488 \text{ MHz}$ ;  $\sigma = 0.893 \text{ S/m}$ ;  $\epsilon_r = 43.534$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $9.20 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $92.71 \text{ V/m}$ ; Power Drift =  $0.17 \text{ dB}$ Peak SAR (extrapolated) =  $10.5 \text{ W/kg}$ **SAR(1 g) =  $8.41 \text{ W/kg}$ ; SAR(10 g) =  $6.67 \text{ W/kg}$** Maximum value of SAR (measured) =  $8.73 \text{ W/kg}$ 0 dB =  $8.73 \text{ W/kg}$  =  $9.41 \text{ dBW/kg}$

**Test Plot 7#: FM\_12.5kHz\_469.9875MHz\_ Body Back****DUT: DMR Digital Portable Radio; Type: D30; Serial: RXM210414051-SA-S1**

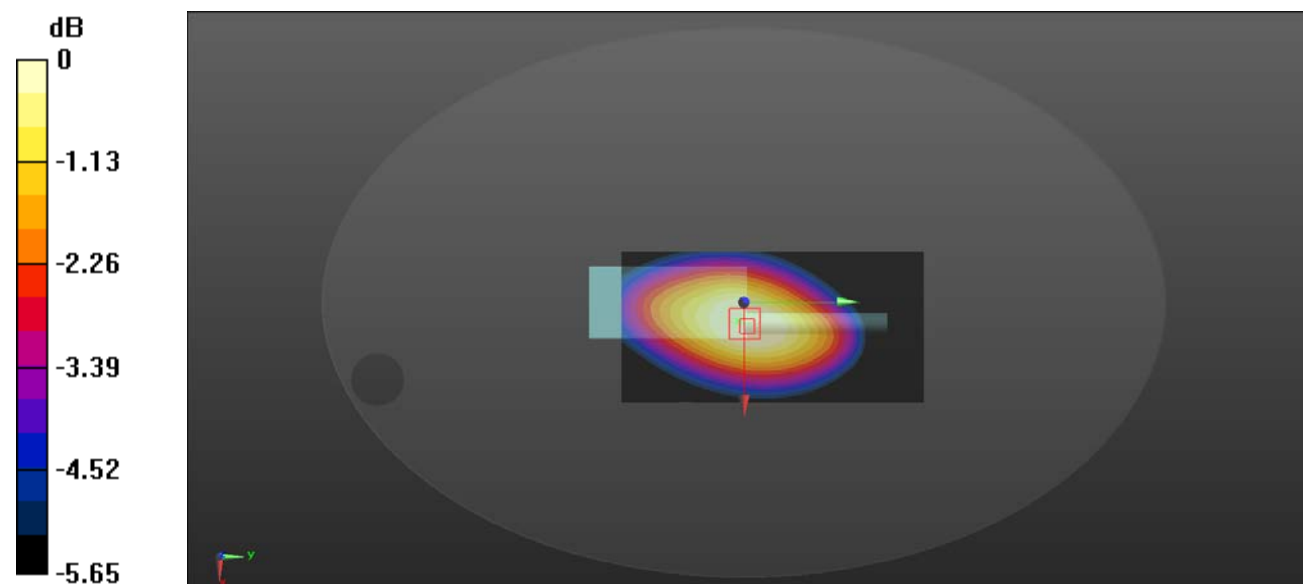
Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 469.988 \text{ MHz}$ ;  $\sigma = 0.901 \text{ S/m}$ ;  $\epsilon_r = 43.41$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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) =  $5.74 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $79.74 \text{ V/m}$ ; Power Drift =  $-0.15 \text{ dB}$ Peak SAR (extrapolated) =  $6.37 \text{ W/kg}$ **SAR(1 g) =  $5.04 \text{ W/kg}$ ; SAR(10 g) =  $4 \text{ W/kg}$** Maximum value of SAR (measured) =  $5.24 \text{ W/kg}$ 0 dB =  $5.24 \text{ W/kg}$  =  $7.19 \text{ dBW/kg}$

**Test Plot 8#: 4FSK\_452.4875MHz\_ Body Back****DUT: DMR Digital Portable Radio; Type: D30; Serial: RXM210414051-SA-S1**

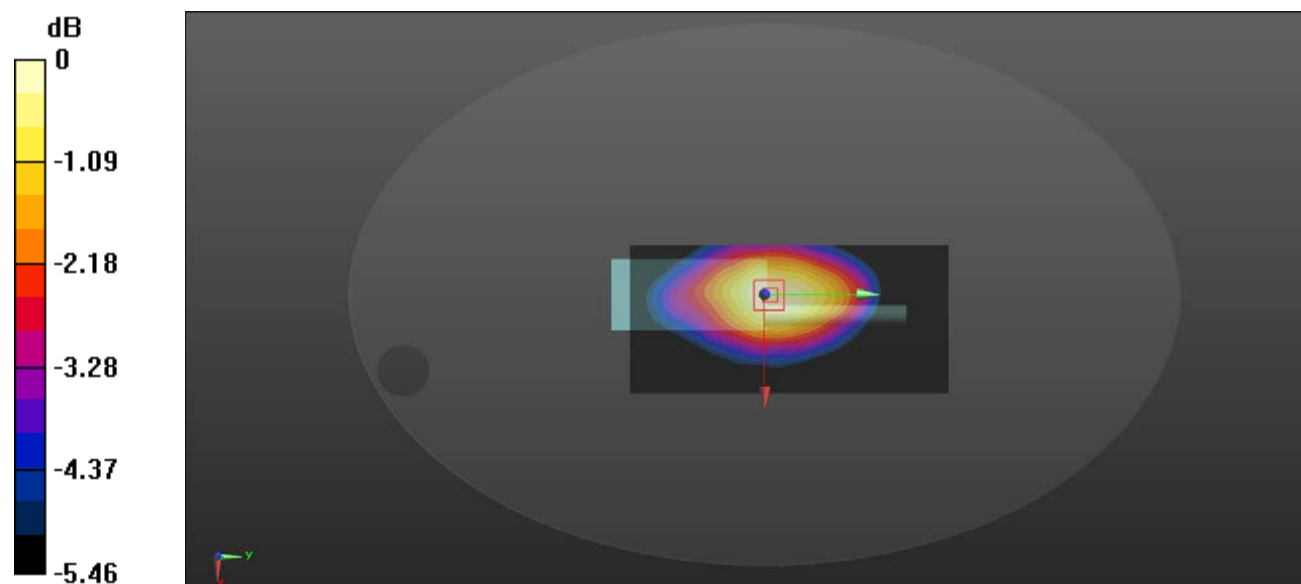
Communication System: 4FSK; Frequency: 452.488 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 452.488 \text{ MHz}$ ;  $\sigma = 0.893 \text{ S/m}$ ;  $\epsilon_r = 43.534$ ;  $\rho = 1000 \text{ kg/m}^3$ 

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:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $3.86 \text{ W/kg}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $67.56 \text{ V/m}$ ; Power Drift =  $-0.03 \text{ dB}$ Peak SAR (extrapolated) =  $4.28 \text{ W/kg}$ **SAR(1 g) =  $3.54 \text{ W/kg}$ ; SAR(10 g) =  $2.79 \text{ W/kg}$** Maximum value of SAR (measured) =  $3.82 \text{ W/kg}$ 0 dB =  $3.82 \text{ W/kg}$  =  $5.82 \text{ dBW/kg}$