

Test Plot 1#: PTT_FM 12.5KHz_Face Up_150 MHz

DUT: DMR Digital Transceiver; Type: GD-77; Serial: 17091305521

Communication System: FM; Frequency: 150 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 150 \text{ MHz}$; $\sigma = 0.772 \text{ S/m}$; $\epsilon_r = 51.987$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(13.25, 13.25, 13.25); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.28 W/kg

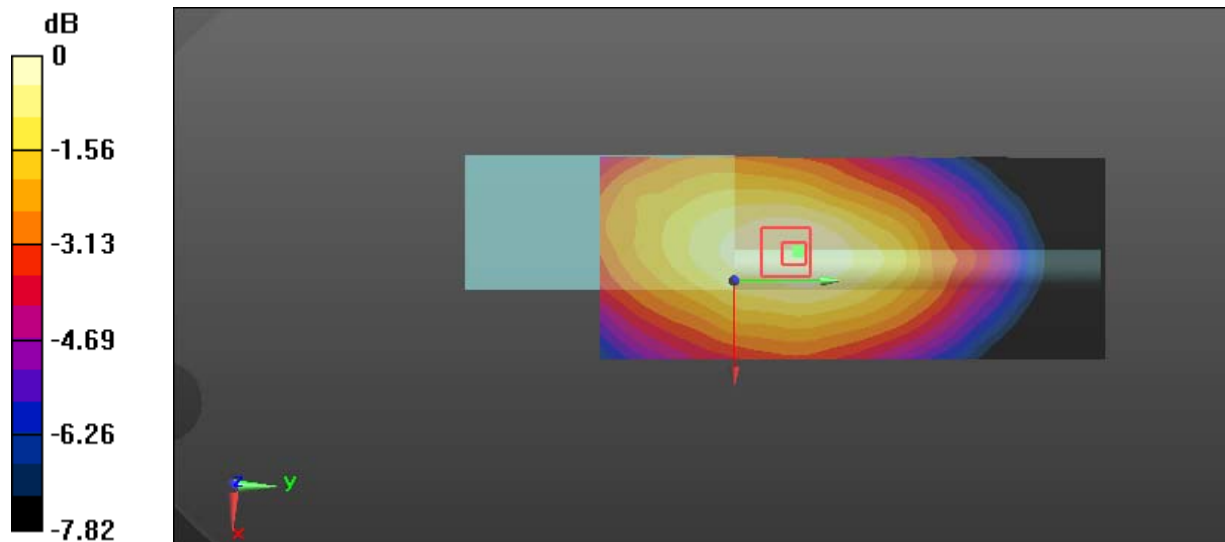
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 33.74 V/m ; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 0.924 W/kg ; SAR(10 g) = 0.695 W/kg

Maximum value of SAR (measured) = 1.28 W/kg



0 dB = 1.28 W/kg = 1.07 dBW/kg

Test Plot 2#: PTT_FM 12.5KHz_Body_150 MHz**DUT: DMR Digital Transceiver; Type: GD-77; Serial: 17091305521**

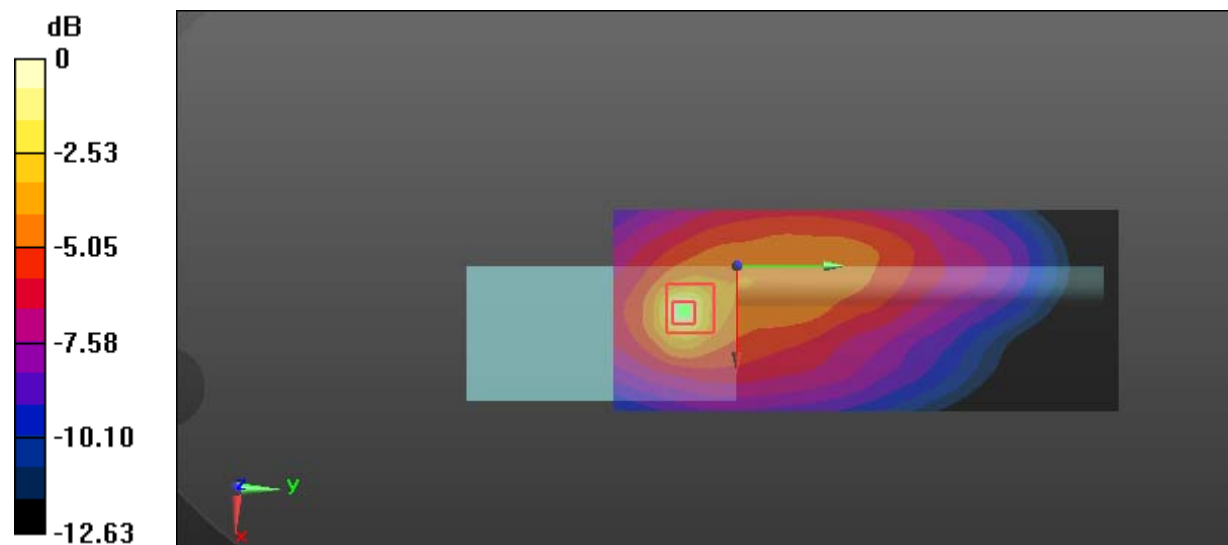
Communication System: FM; Frequency: 150 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 150 \text{ MHz}$; $\sigma = 0.822 \text{ S/m}$; $\epsilon_r = 60.783$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.42 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 53.40 V/m ; Power Drift = -0.05 dB Peak SAR (extrapolated) = 10.5 W/kg **SAR(1 g) = 3.31 W/kg ; SAR(10 g) = 1.86 W/kg** Maximum value of SAR (measured) = 6.72 W/kg 0 dB = 6.72 W/kg = 8.27 dBW/kg

Test Plot 3#: PTT_4FSK 12.5KHz_Face Up_150 MHz**DUT: DMR Digital Transceiver; Type: GD-77; Serial: 17091305521**

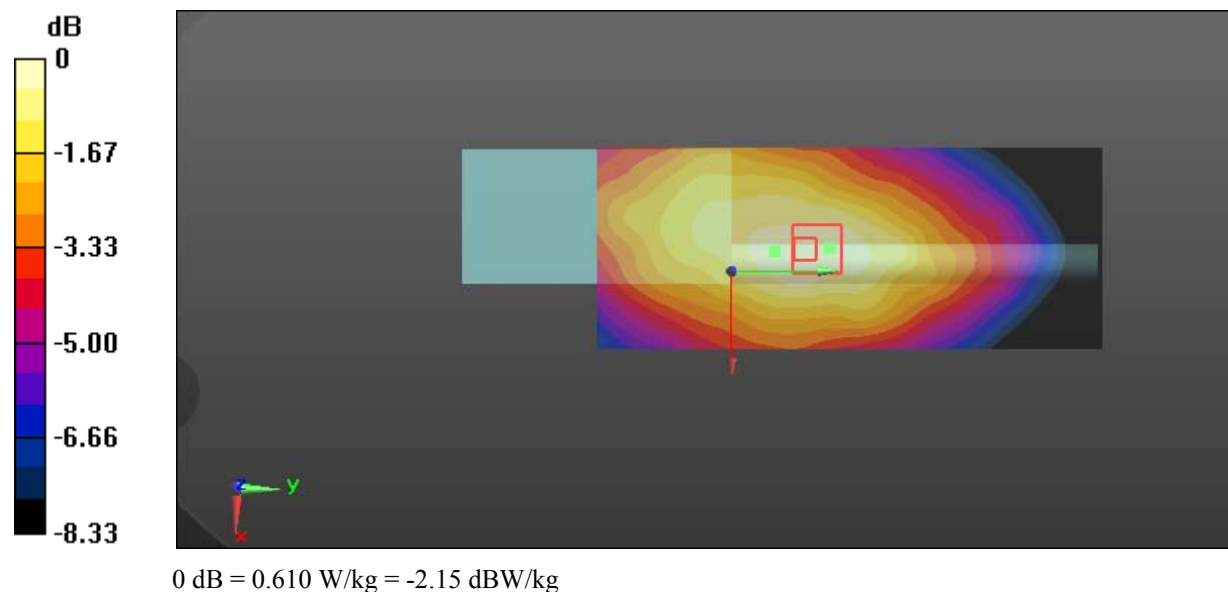
Communication System: 4FSK; Frequency: 150 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 150 \text{ MHz}$; $\sigma = 0.772 \text{ S/m}$; $\epsilon_r = 51.987$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(13.25, 13.25, 13.25); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 0.614 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 22.17 V/m ; Power Drift = -0.04 dB Peak SAR (extrapolated) = 0.762 W/kg **SAR(1 g) = 0.433 W/kg ; SAR(10 g) = 0.315 W/kg** Maximum value of SAR (measured) = 0.610 W/kg 

Test Plot 4#: PTT_4FSK 12.5KHz_Body Back_150 MHz

DUT: DMR Digital; Type: GD-77; Serial: 17091300520

Communication System: 4FSK; Frequency: 150 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 150 \text{ MHz}$; $\sigma = 0.822 \text{ S/m}$; $\epsilon_r = 60.783$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.58, 12.58, 12.58); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 2.68 W/kg

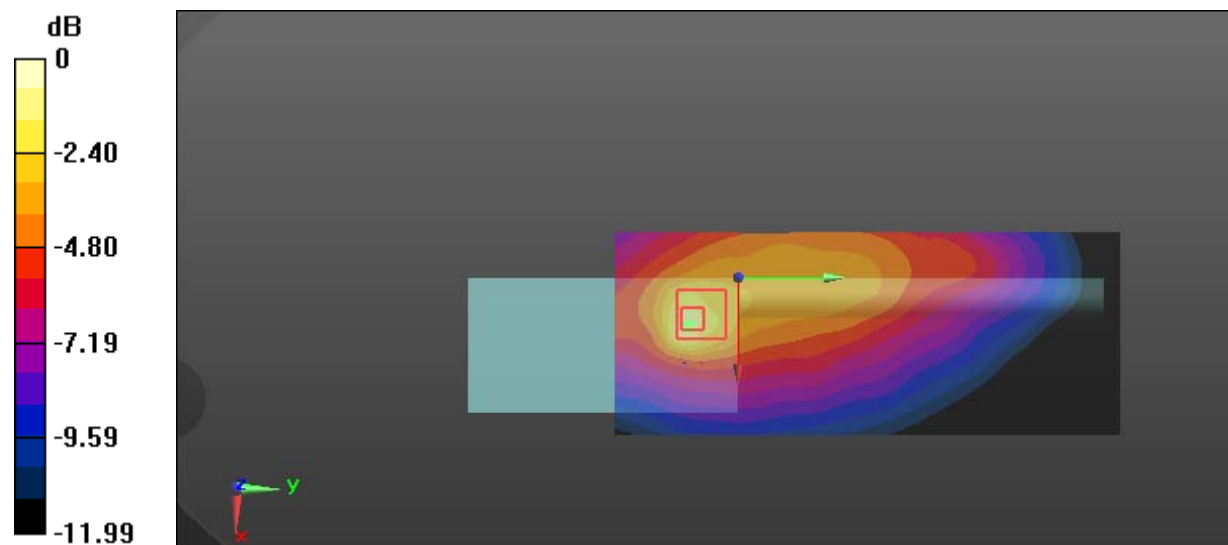
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 38.64 V/m ; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 5.38 W/kg

SAR(1 g) = 1.88 W/kg ; SAR(10 g) = 1.08 W/kg

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



0 dB = 3.30 W/kg = 5.19 dBW/kg

Test Plot 5#: PTT_FM 12.5KHz_Face Up_417.5125 MHz

DUT: DMR Digital Transceiver; Type: GD-77; Serial: 17091305521

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

Medium parameters used: $f = 417.512 \text{ MHz}$; $\sigma = 0.845 \text{ S/m}$; $\epsilon_r = 42.975$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 7.45 W/kg

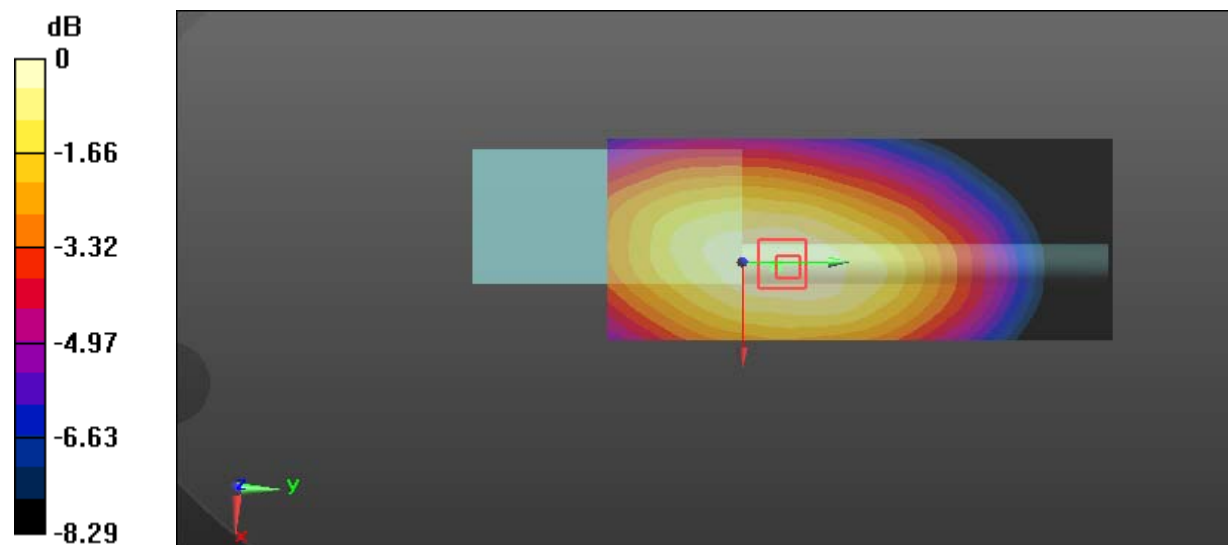
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 72.48 V/m ; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 8.57 W/kg

SAR(1 g) = 5.44 W/kg ; SAR(10 g) = 3.98 W/kg

Maximum value of SAR (measured) = 7.27 W/kg



0 dB = 7.27 W/kg = 8.62 dBW/kg

Test Plot 6#: PTT_FM 12.5KHz_ Body Back _400.0125 MHz**DUT: DMR Digital Transceiver; Type: GD-77; Serial: 17091305521**

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

Medium parameters used: $f = 400.012$ MHz; $\sigma = 0.917$ S/m; $\epsilon_r = 54.975$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 9.98 W/kg

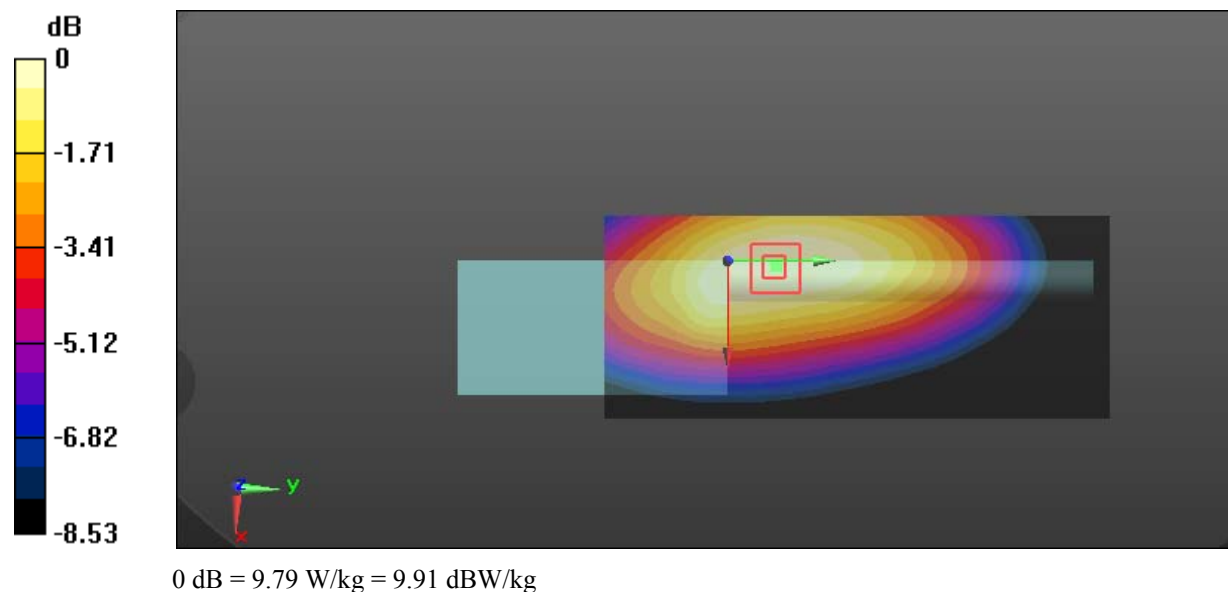
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 88.06 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 7.55 W/kg; SAR(10 g) = 5.5 W/kg

Maximum value of SAR (measured) = 9.79 W/kg



Test Plot 7#: PTT_FM 12.5KHz_ Body Back _417.5125 MHz**DUT: DMR Digital Transceiver; Type: GD-77; Serial: 17091305521**

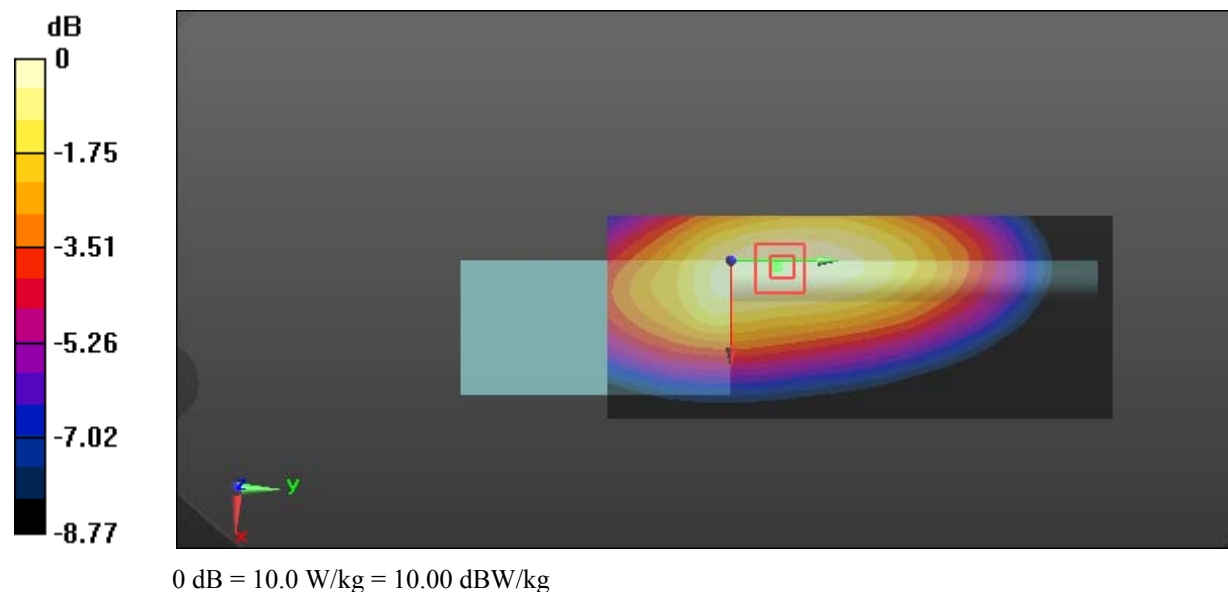
Communication System: FM; Frequency: 417.512 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 417.512 \text{ MHz}$; $\sigma = 0.924 \text{ S/m}$; $\epsilon_r = 54.859$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 9.99 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 86.72 V/m ; Power Drift = -0.15 dB Peak SAR (extrapolated) = 11.5 W/kg **SAR(1 g) = 7.6 W/kg ; SAR(10 g) = 5.51 W/kg** Maximum value of SAR (measured) = 10.0 W/kg 

Test Plot 8#: PTT_FM 12.5KHz_ Body Back _435.0125 MHz**DUT: DMR Digital Transceiver; Type: GD-77; Serial: 17091305521**

Communication System: FM; Frequency: 435.012 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 435.012$ MHz; $\sigma = 0.929$ S/m; $\epsilon_r = 54.71$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x151x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 8.29 W/kg

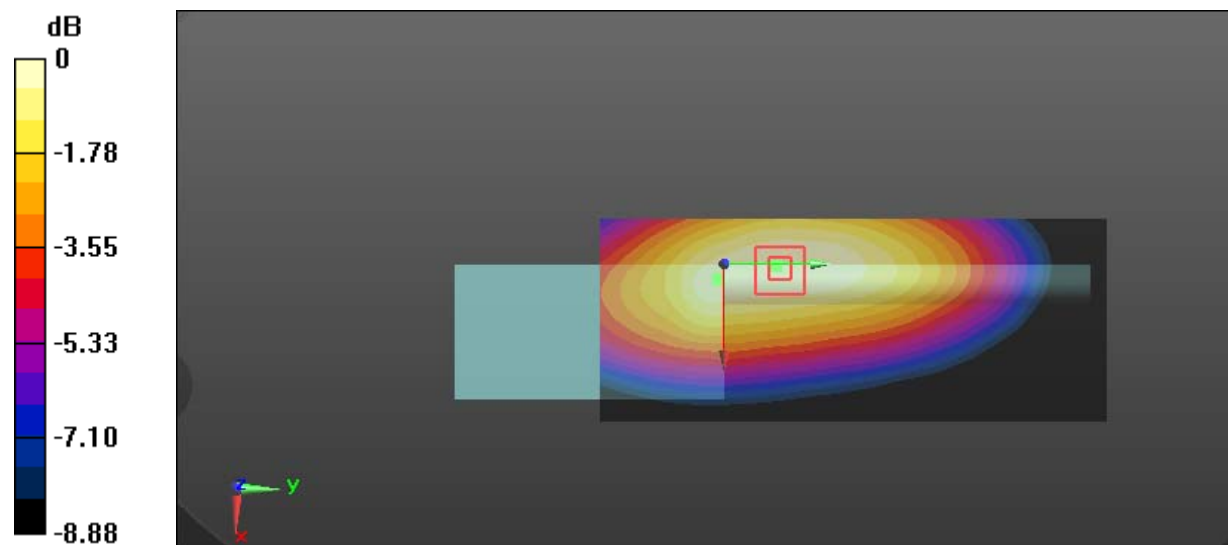
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 81.69 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 9.49 W/kg

SAR(1 g) = 6.35 W/kg; SAR(10 g) = 4.61 W/kg

Maximum value of SAR (measured) = 8.27 W/kg



0 dB = 8.27 W/kg = 9.18 dBW/kg

Test Plot 9#: PTT_FM 12.5KHz_Body Back_452.4875 MHz**DUT: DMR Digital Transceiver; Type: GD-77; Serial: 17091305521**

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

Medium parameters used: $f = 452.488$ MHz; $\sigma = 0.949$ S/m; $\epsilon_r = 54.586$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x151x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.21 W/kg

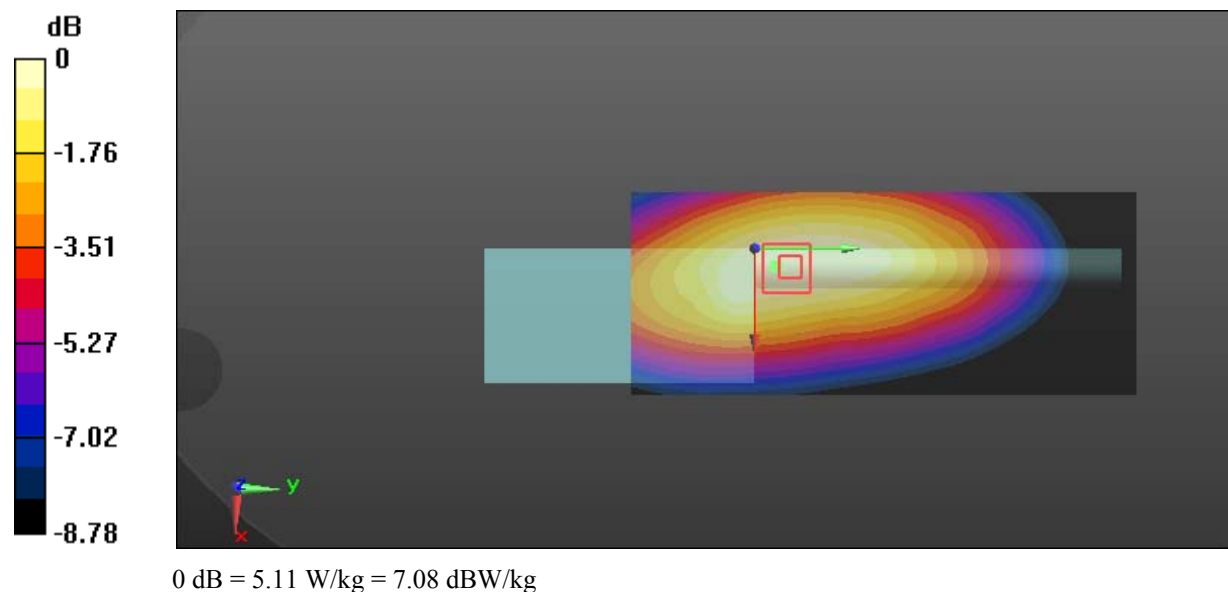
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 63.17 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 5.86 W/kg

SAR(1 g) = 3.89 W/kg; SAR(10 g) = 2.83 W/kg

Maximum value of SAR (measured) = 5.11 W/kg



Test Plot 10#: PTT_FM 12.5KHz_Body Back_469.9875 MHz**DUT: DMR Digital Transceiver; Type: GD-77; Serial: 17091305521**

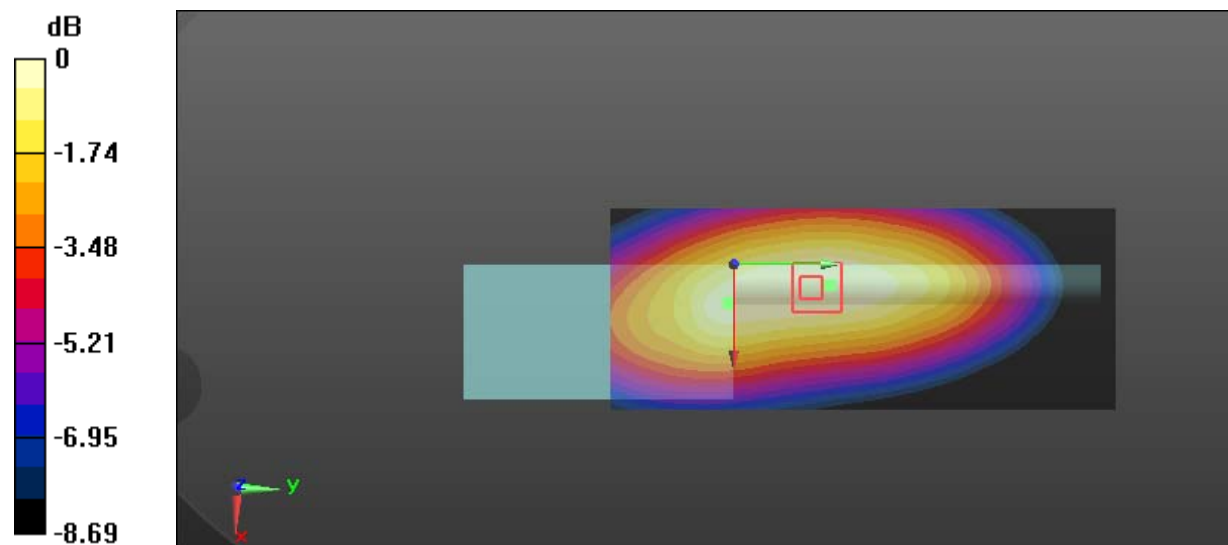
Communication System: FM; Frequency: 469.988 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 469.988 \text{ MHz}$; $\sigma = 0.954 \text{ S/m}$; $\epsilon_r = 54.491$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 4.76 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 56.18 V/m ; Power Drift = -0.05 dB Peak SAR (extrapolated) = 5.32 W/kg **SAR(1 g) = 3.52 W/kg ; SAR(10 g) = 2.55 W/kg** Maximum value of SAR (measured) = 4.61 W/kg 0 dB = 4.61 W/kg = 6.64 dBW/kg

Test Plot 11#: PTT_4FSK 12.5KHz_Face Up_417.5125 MHz

DUT: DMR Digital Transceiver; Type: GD-77; Serial: 17091305521

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

Medium parameters used: $f = 417.512 \text{ MHz}$; $\sigma = 0.845 \text{ S/m}$; $\epsilon_r = 42.975$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(10.98, 10.98, 10.98); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x151x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 3.46 W/kg

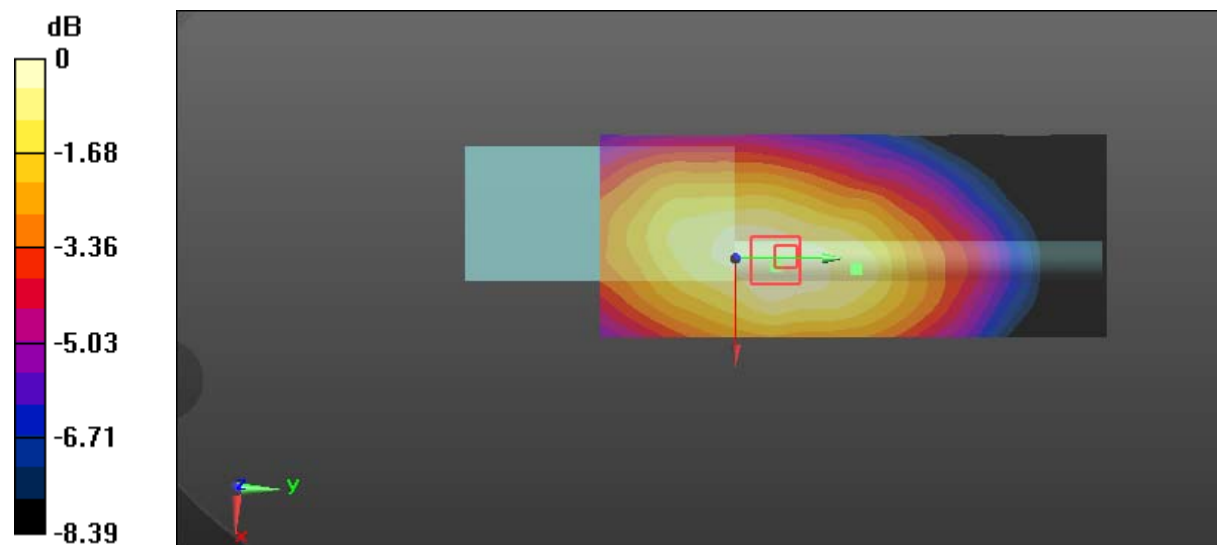
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 51.61 V/m ; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 4.08 W/kg

SAR(1 g) = 2.54 W/kg ; SAR(10 g) = 1.85 W/kg

Maximum value of SAR (measured) = 3.43 W/kg



0 dB = 3.43 W/kg = 5.35 dBW/kg

Test Plot 12#: PTT_4FSK 12.5KHz_Body Back_417.5125 MHz**DUT: DMR Digital; Type: GD-77; Serial: 17091300520**

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

Medium parameters used: $f = 417.512$ MHz; $\sigma = 0.924$ S/m; $\epsilon_r = 54.859$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

- Probe: EX3DV4 - SN7441; ConvF(12.08, 12.08, 12.08); Calibrated: 2016/11/15;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn772; Calibrated: 2016/10/25
- Phantom: ELI v8.0; Type: QDOVA004AA; Serial: 2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x151x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 5.02 W/kg

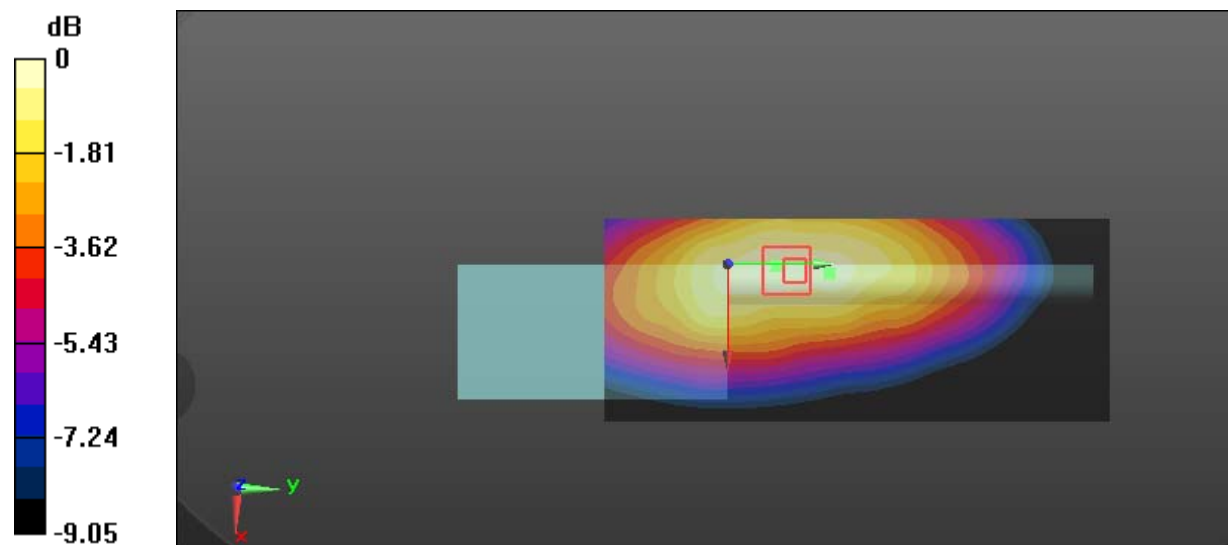
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 62.99 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 6.12 W/kg

SAR(1 g) = 3.97 W/kg; SAR(10 g) = 2.85 W/kg

Maximum value of SAR (measured) = 5.21 W/kg



0 dB = 5.21 W/kg = 7.17 dBW/kg