

Test Plot 1#:FM_12.5 kHz_435 MHz_Face Up**DUT: Two way radio; Type: GD-55G; Serial: 16101805021**

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

Medium parameters used: $f = 435 \text{ MHz}$; $\sigma = 0.898 \text{ S/m}$; $\epsilon_r = 43.056$; $\rho = 1000 \text{ kg/m}^3$

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: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 5.88 W/kg

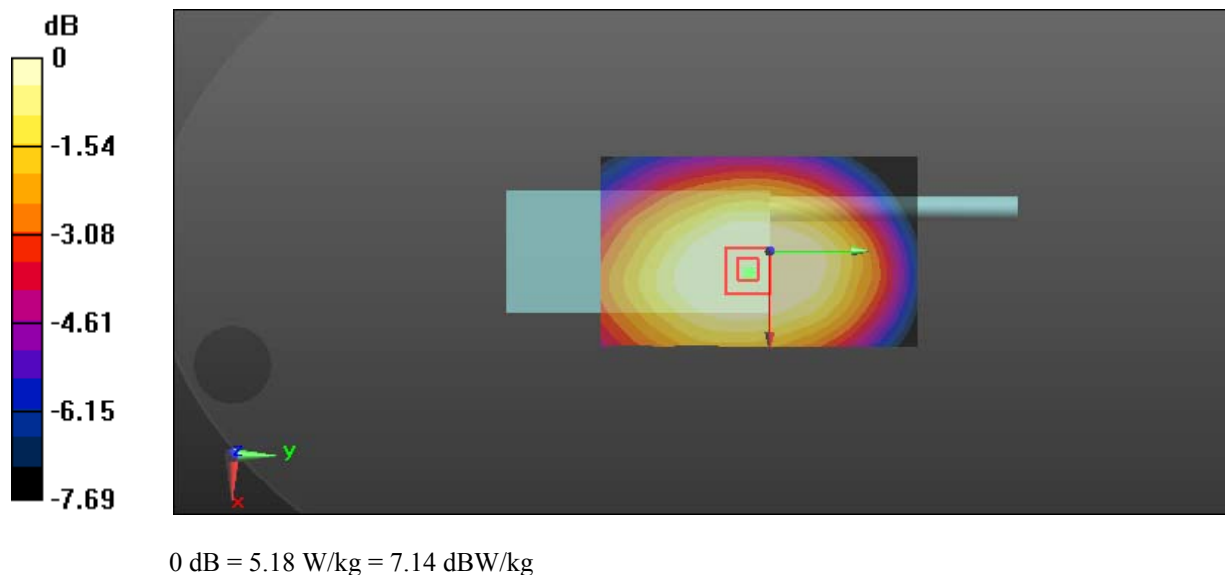
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 69.77 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 6.16 W/kg

SAR(1 g) = 4 W/kg; SAR(10 g) = 2.99 W/kg

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



Test Plot 2#:FM_12.5 kHz_400.0125 MHz_Body Back**DUT: Two way radio; Type: GD-55G; Serial: 16101805021**

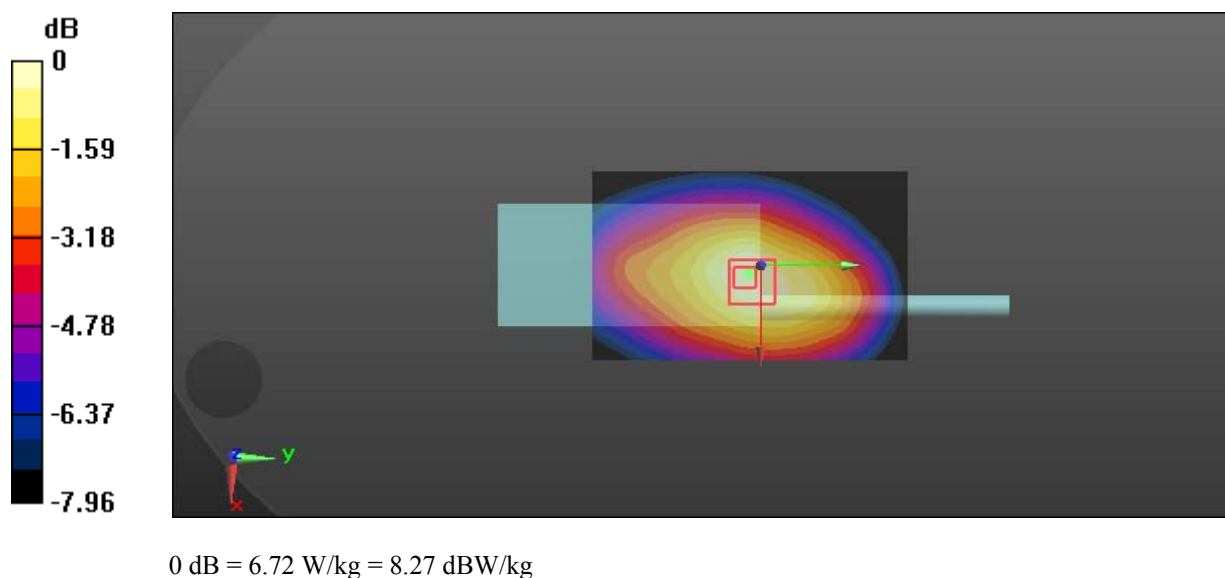
Communication System: FM; Frequency: 400.0125 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 400 \text{ MHz}$; $\sigma = 0.924 \text{ S/m}$; $\epsilon_r = 55.972$; $\rho = 1000 \text{ kg/m}^3$

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: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 7.05 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 70.46 V/m ; Power Drift = -0.01 dB Peak SAR (extrapolated) = 8.57 W/kg **SAR(1 g) = 4.91 W/kg ; SAR(10 g) = 3.53 W/kg** Maximum value of SAR (measured) = 6.72 W/kg 

Test Plot 3#:FM_12.5 kHz_417.5 MHz_Body Back**DUT: Two way radio; Type: GD-55G; Serial: 16101805021**

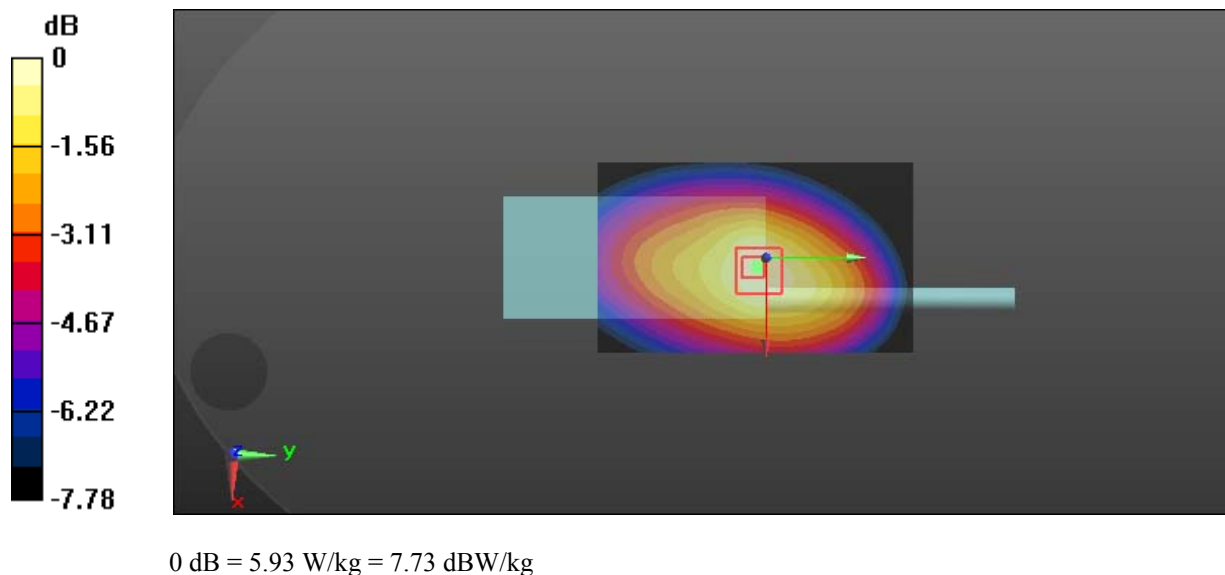
Communication System: FM; Frequency: 417.5 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 417.5 \text{ MHz}$; $\sigma = 0.956 \text{ S/m}$; $\epsilon_r = 55.753$; $\rho = 1000 \text{ kg/m}^3$

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: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 6.09 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 69.97 V/m ; Power Drift = -0.04 dB Peak SAR (extrapolated) = 7.08 W/kg **SAR(1 g) = 4.48 W/kg ; SAR(10 g) = 3.21 W/kg** Maximum value of SAR (measured) = 5.93 W/kg 

Test Plot 4#:FM_12.5 kHz_435 MHz_Body Back**DUT: Two way radio; Type: GD-55G; Serial: 16101805021**

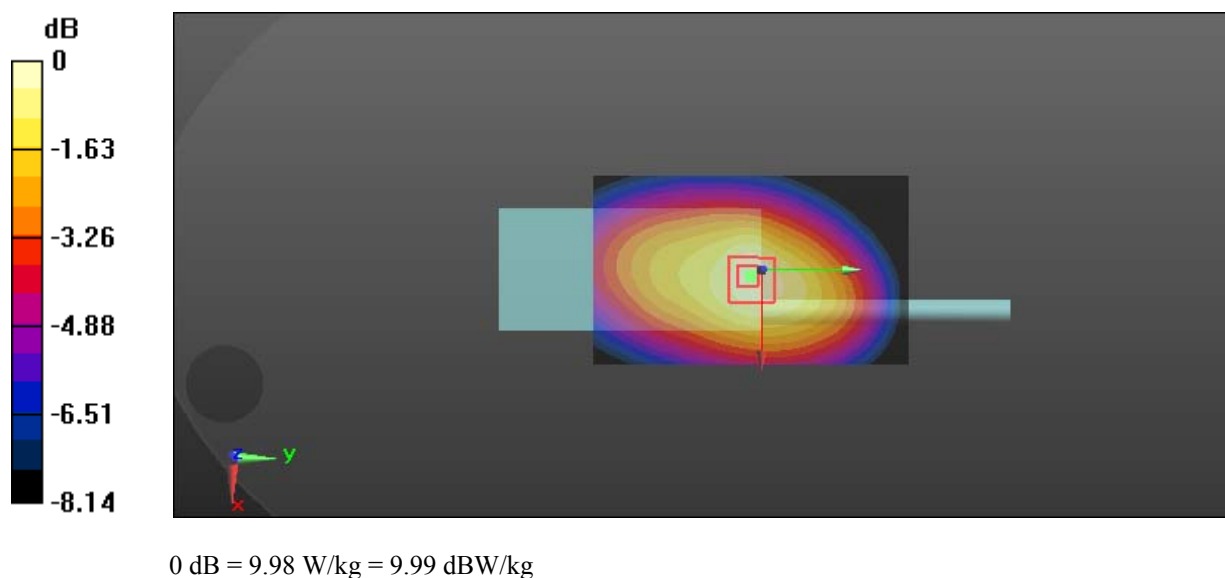
Communication System: FM; Frequency: 435 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 435 \text{ MHz}$; $\sigma = 0.942 \text{ S/m}$; $\epsilon_r = 55.528$; $\rho = 1000 \text{ kg/m}^3$

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: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 10.4 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 91.48 V/m ; Power Drift = -0.02 dB Peak SAR (extrapolated) = 11.7 W/kg **SAR(1 g) = 7.52 W/kg ; SAR(10 g) = 5.34 W/kg** Maximum value of SAR (measured) = 9.98 W/kg 

Test Plot 5#:FM_12.5 kHz_452.5 MHz_Body Back**DUT: Two way radio; Type: GD-55G; Serial: 16101805021**

Communication System: FM; Frequency: 452.5 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 452.5 \text{ MHz}$; $\sigma = 0.963 \text{ S/m}$; $\epsilon_r = 55.402$; $\rho = 1000 \text{ kg/m}^3$

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: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 8.28 W/kg

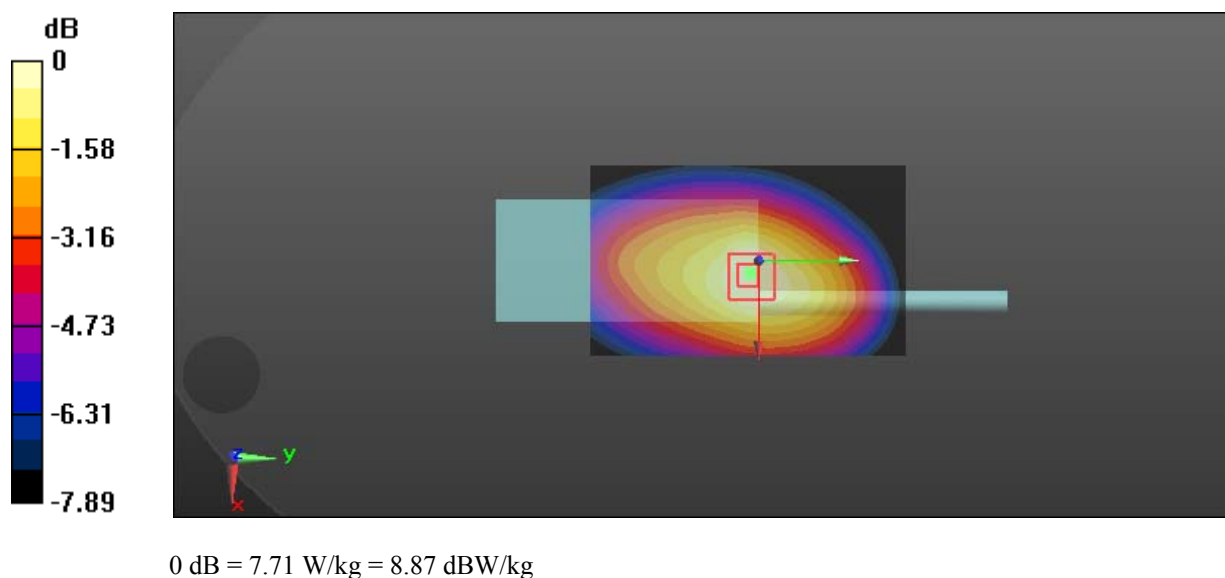
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 80.30 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 9.01 W/kg

SAR(1 g) = 5.91 W/kg; SAR(10 g) = 4.24 W/kg

Maximum value of SAR (measured) = 7.71 W/kg



Test Plot 6#:FM_12.5 kHz_469.9875 MHz_Body Back**DUT: Two way radio; Type: GD-55G; Serial: 16101805021**

Communication System: FM; Frequency: 469.9875 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 470$ MHz; $\sigma = 0.968$ S/m; $\epsilon_r = 55.205$; $\rho = 1000$ 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: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 5.44 W/kg

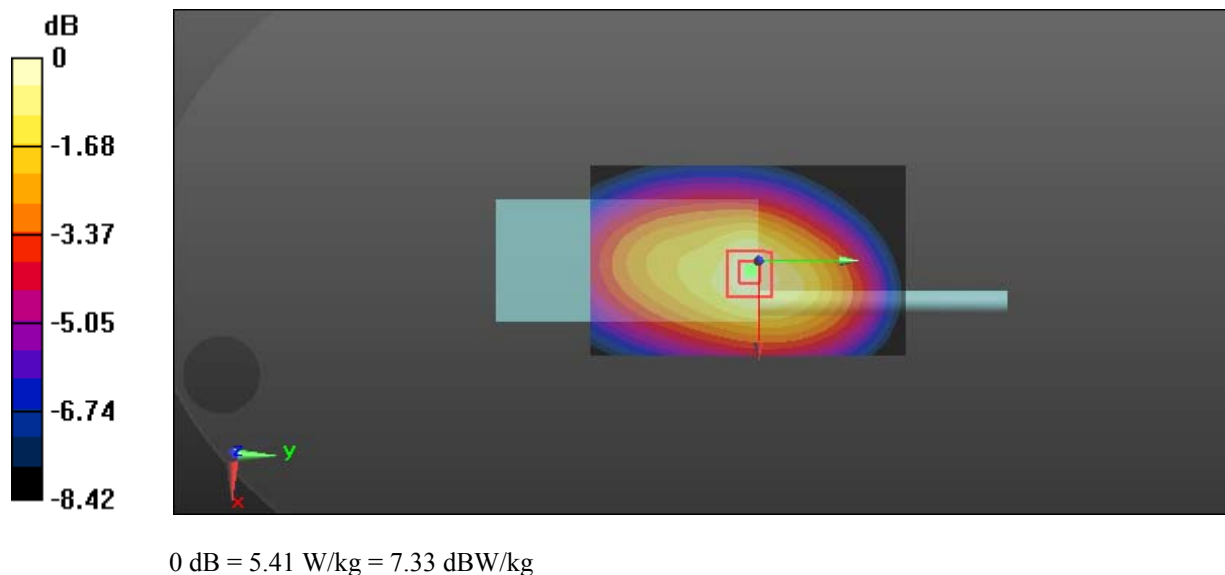
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 65.09 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 6.29 W/kg

SAR(1 g) = 4.06 W/kg; SAR(10 g) = 2.86 W/kg

Maximum value of SAR (measured) = 5.41 W/kg



Test Plot 7#:4FSK_12.5 kHz_435 MHz_Fack Up**DUT: Two way radio; Type: GD-55G; Serial: 16101805021**

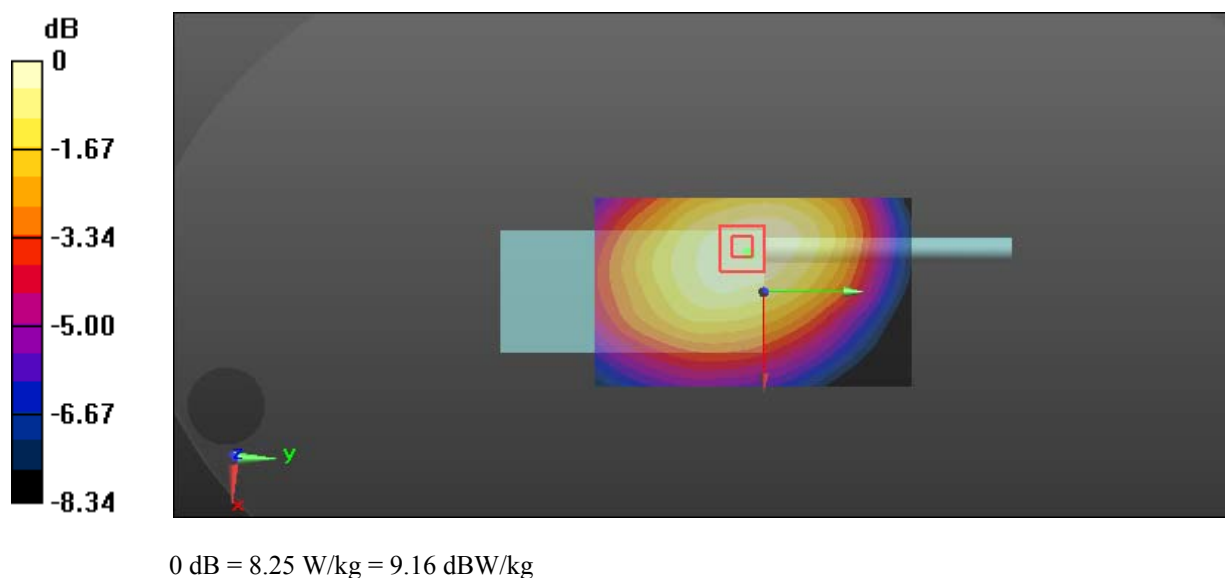
Communication System: 4FSK; Frequency: 435 MHz;Duty Cycle: 1:2

Medium parameters used: $f = 435 \text{ MHz}$; $\sigma = 0.898 \text{ S/m}$; $\epsilon_r = 43.056$; $\rho = 1000 \text{ kg/m}^3$

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: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x101x1): 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 = 81.63 V/m ; Power Drift = -0.05 dB Peak SAR (extrapolated) = 9.96 W/kg **SAR(1 g) = 6.23 W/kg ; SAR(10 g) = 4.53 W/kg** Maximum value of SAR (measured) = 8.25 W/kg 

Test Plot 8#:4FSK_12.5 kHz_400.0125 MHz_Body Back**DUT: Two way radio; Type: GD-55G; Serial: 16101805021**

Communication System: 4FSK; Frequency: 400.0125 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 400$ MHz; $\sigma = 0.924$ S/m; $\epsilon_r = 55.972$; $\rho = 1000$ 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: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 8.24 W/kg

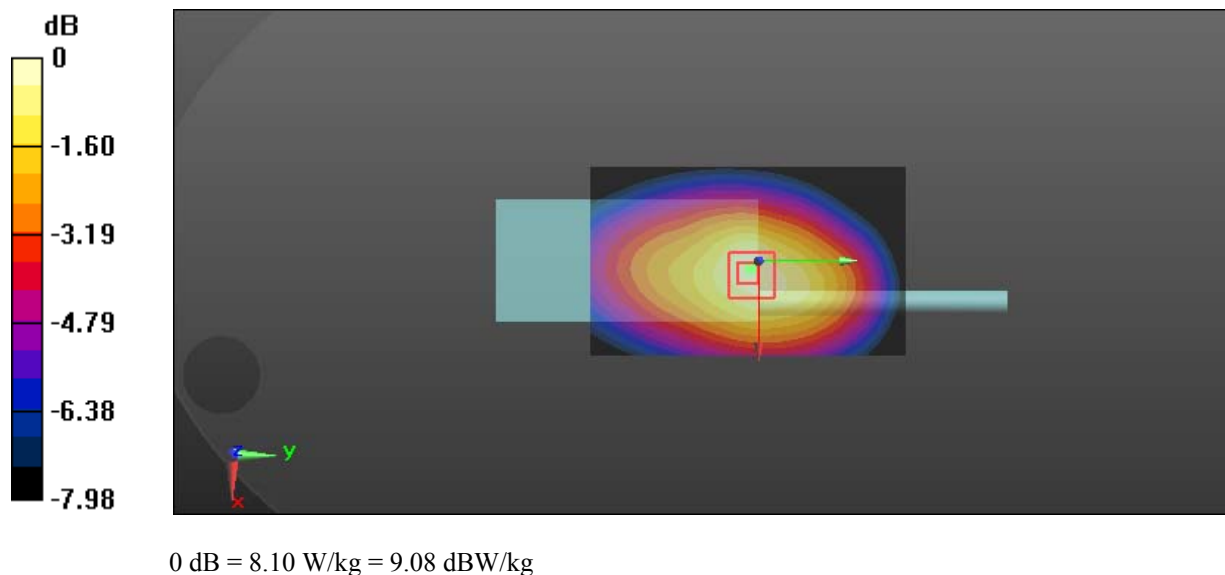
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 79.66 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 9.73 W/kg

SAR(1 g) = 6.15 W/kg; SAR(10 g) = 4.4 W/kg

Maximum value of SAR (measured) = 8.10 W/kg



Test Plot 9#:4FSK_12.5 kHz_417.5 MHz_Body Back**DUT: Two way radio; Type: GD-55G; Serial: 16101805021**

Communication System: 4FSK; Frequency: 417 MHz;Duty Cycle: 1:2

Medium parameters used: $f = 417.5 \text{ MHz}$; $\sigma = 0.956 \text{ S/m}$; $\epsilon_r = 55.753$; $\rho = 1000 \text{ kg/m}^3$

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: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 7.83 W/kg

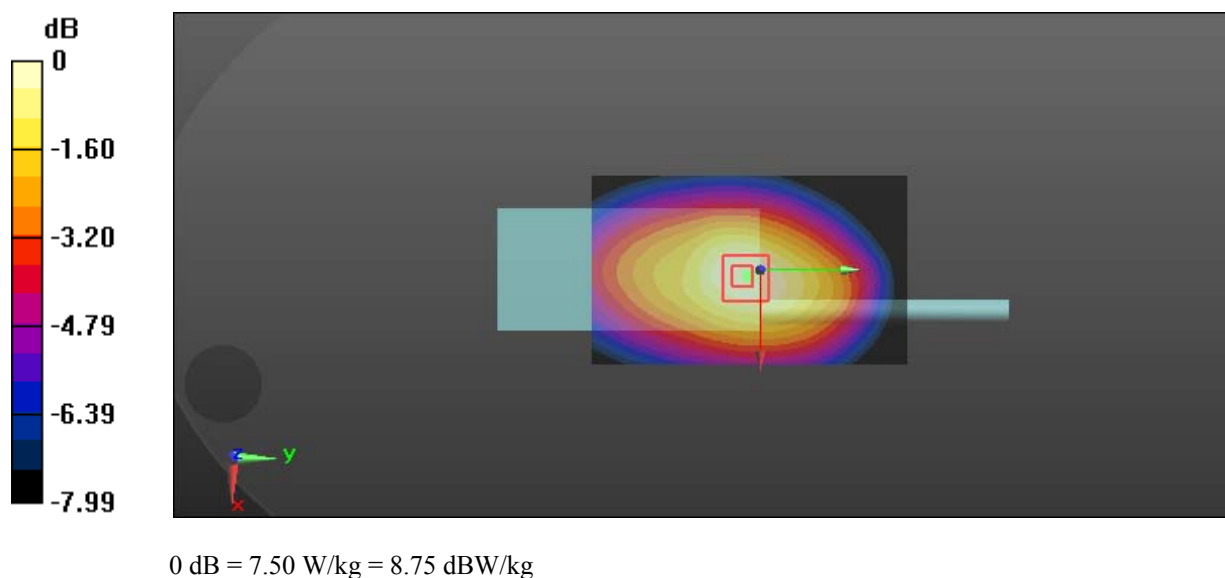
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 78.64 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 9.03 W/kg

SAR(1 g) = 5.71 W/kg; SAR(10 g) = 4.05 W/kg

Maximum value of SAR (measured) = 7.50 W/kg



Test Plot 10#:4FSK_12.5 kHz_435 MHz_Body Back**DUT: Two way radio; Type: GD-55G; Serial: 16101805021**

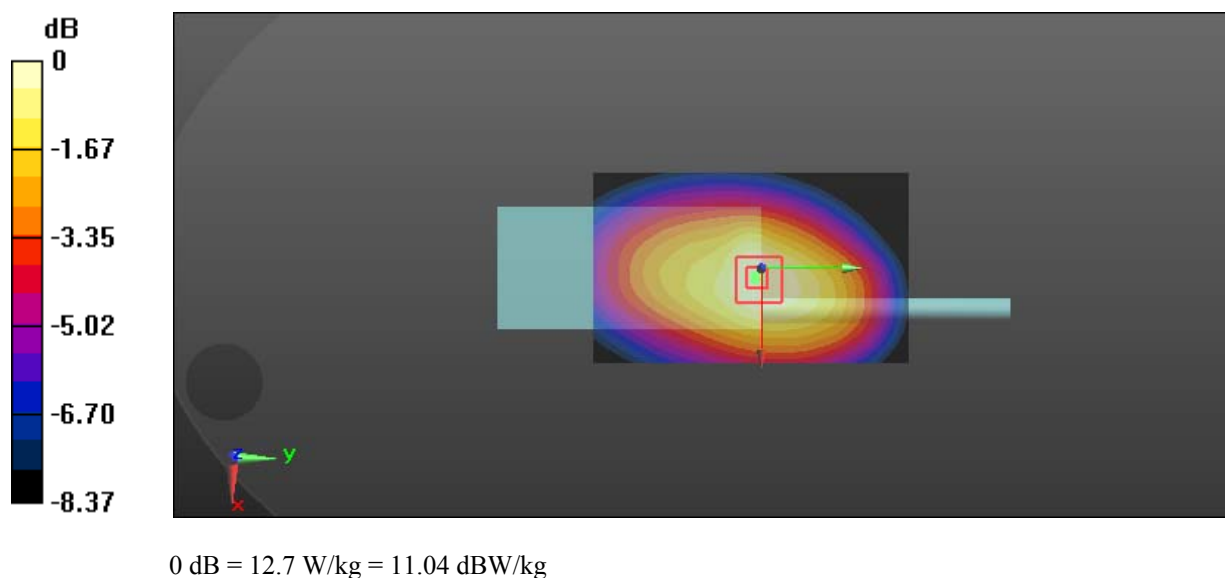
Communication System: 4FSK; Frequency: 435 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 435 \text{ MHz}$; $\sigma = 0.942 \text{ S/m}$; $\epsilon_r = 55.528$; $\rho = 1000 \text{ kg/m}^3$

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: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 13.8 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 110.3 V/m ; Power Drift = -0.08 dB Peak SAR (extrapolated) = 14.8 W/kg **SAR(1 g) = 9.46 W/kg ; SAR(10 g) = 6.62 W/kg** Maximum value of SAR (measured) = 12.7 W/kg 

Test Plot 11#:4FSK_12.5 kHz_452.5 MHz_Body Back**DUT: Two way radio; Type: GD-55G; Serial: 16101805021**

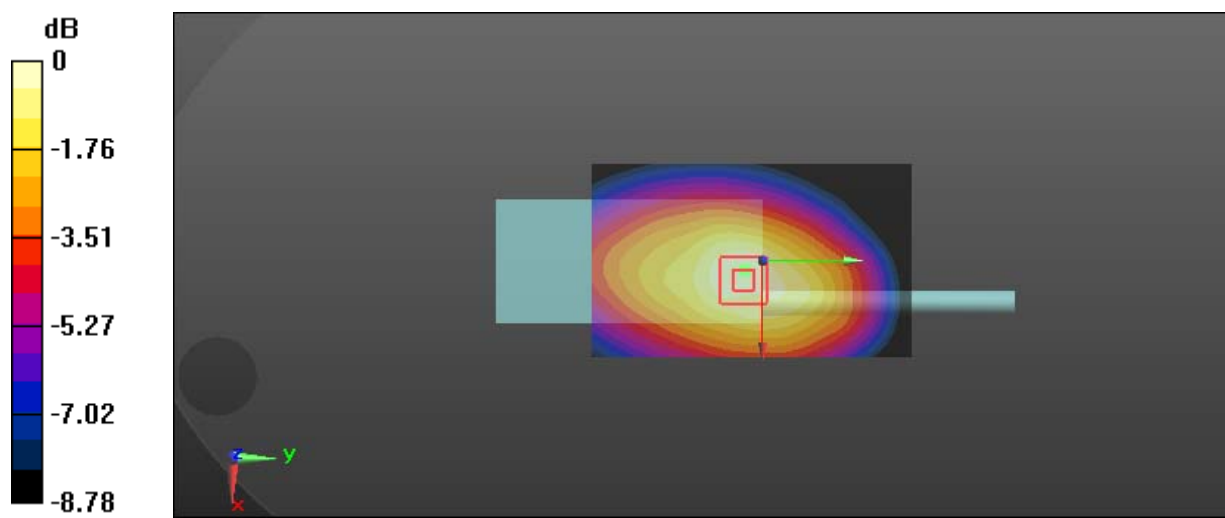
Communication System: 4FSK; Frequency: 452.5 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 452.5 \text{ MHz}$; $\sigma = 0.963 \text{ S/m}$; $\epsilon_r = 55.402$; $\rho = 1000 \text{ kg/m}^3$

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: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) = 10.6 W/kg **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 87.48 V/m ; Power Drift = 0.01 dB Peak SAR (extrapolated) = 13.7 W/kg **SAR(1 g) = 7.74 W/kg ; SAR(10 g) = 5.37 W/kg** Maximum value of SAR (measured) = 10.7 W/kg  $0 \text{ dB} = 10.7 \text{ W/kg} = 10.29 \text{ dBW/kg}$

Test Plot 12#:4FSK_12.5 kHz_469.9875 MHz_Body Back**DUT: Two way radio; Type: GD-55G; Serial: 16101805021**

Communication System: 4FSK; Frequency: 469.9875 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 470$ MHz; $\sigma = 0.968$ S/m; $\epsilon_r = 55.205$; $\rho = 1000$ 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: DAE3 Sn379; Calibrated: 2016/10/4
- Phantom: ELI v8.0; Type: QDOVA002AA; Serial: TP:2051
- Measurement SW: DASY52, Version 52.8 (8);

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 7.53 W/kg

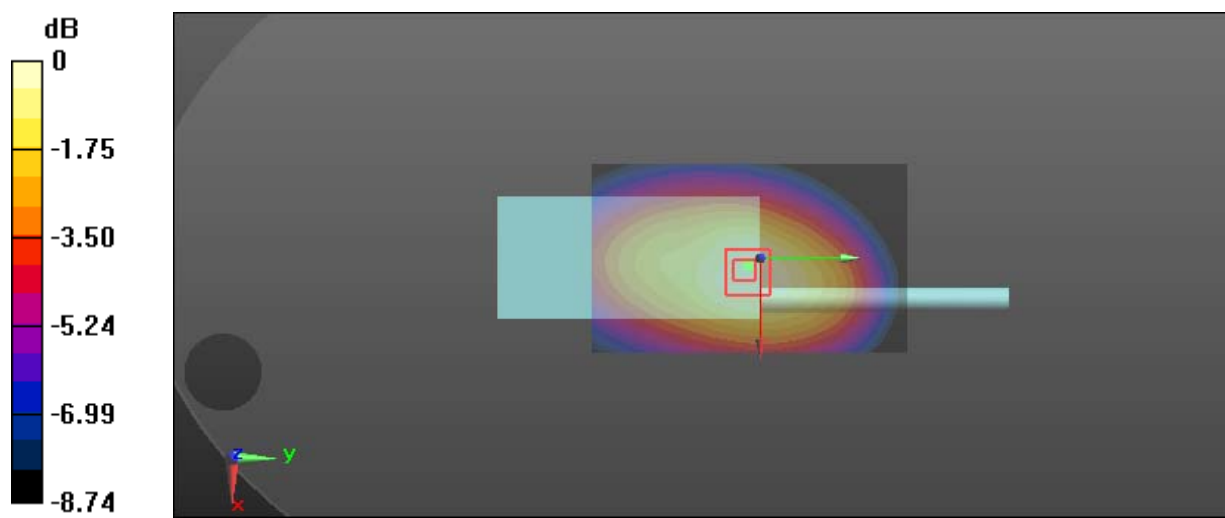
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 77.28 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 8.50 W/kg

SAR(1 g) = 5.46 W/kg; SAR(10 g) = 3.82 W/kg

Maximum value of SAR (measured) = 7.17 W/kg



0 dB = 7.17 W/kg = 8.56 dBW/kg