APPENDIX A - SAR MEASUREMENT DATA

Date Tested: 06/13/2007

Face-Held SAR - Helical Antenna (P/N: KRA-23M) - Mid Channel - 485.05 MHz

DUT: Kenwood NX-300-K; Type: Portable UHF PTT Radio Transceiver; Serial: U_15S No. 17

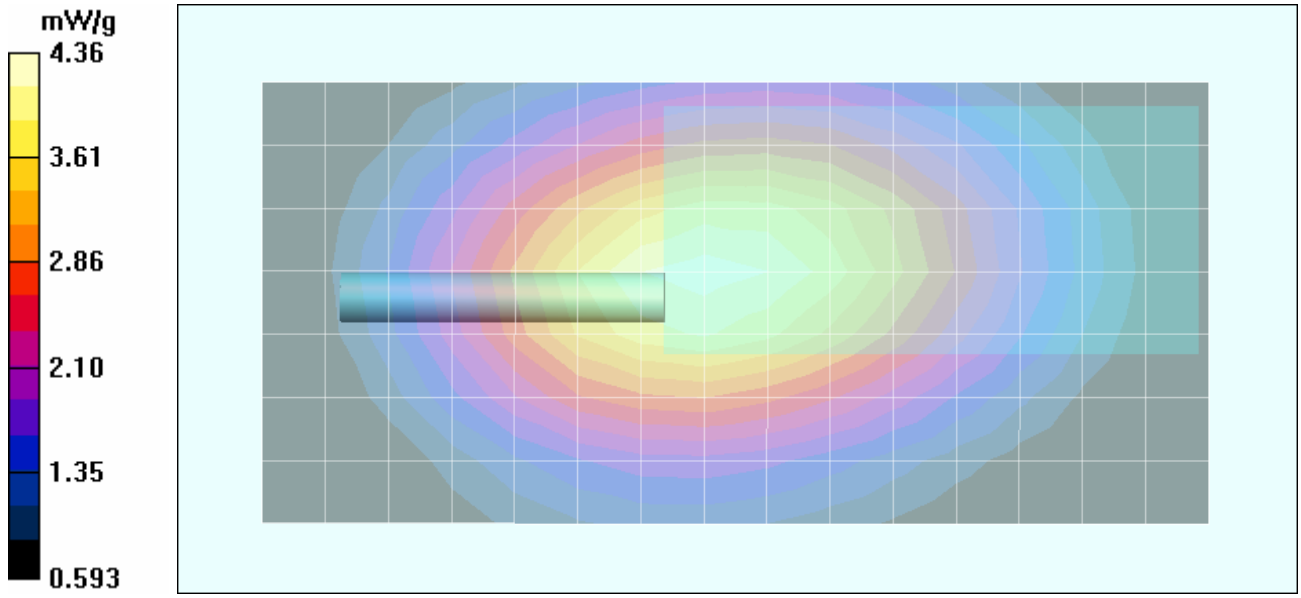
Ambient Temp: 24.2°C; Fluid Temp: 23.0°C; Barometric Pressure: 97.0 kPa; Humidity: 31%

Communication System: FM UHF
Frequency: 485.05 MHz; Duty Cycle: 1:1
RF Output Power: 4.9 Watts (Conducted)
Li-ion Battery Pack, Normal Capacity (P/N: KNB-47L)
Medium: HSL450 Medium parameters used: f = 485.05 MHz; σ = 0.91 mho/m; ε_r = 44.5; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1387; ConvF(7, 7, 7); Calibrated: 16/03/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 21/06/2006
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-Held SAR - 2.5 cm Spacing from Front of DUT to Planar Phantom - Mid Channel
Area Scan (8x16x1): Measurement grid: dx=15mm, dy=15mm

Face-Held SAR - 2.5 cm Spacing from Front of DUT to Planar Phantom - Mid Channel
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 68.5 V/m; Power Drift = -0.351 dB
Peak SAR (extrapolated) = 6.56 W/kg
SAR(1 g) = 4.20 mW/g; SAR(10 g) = 2.99 mW/g
Maximum value of SAR (measured) = 4.36 mW/g



Date Tested: 06/13/2007

Face-Held SAR - Helical Antenna (P/N: KRA-23M2) - Mid Channel - 485.05 MHz

DUT: Kenwood NX-300-K; Type: Portable UHF PTT Radio Transceiver; Serial: U_15S No. 17

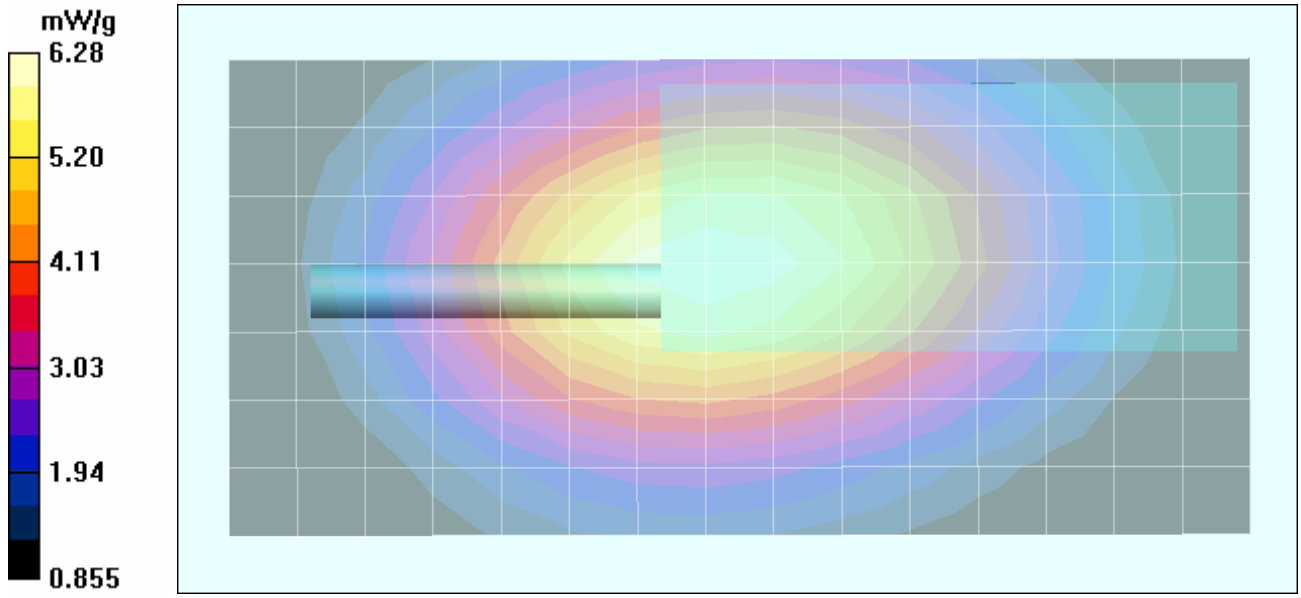
Ambient Temp: 24.2°C; Fluid Temp: 23.0°C; Barometric Pressure: 97.0 kPa; Humidity: 31%

Communication System: FM UHF
Frequency: 485.05 MHz; Duty Cycle: 1:1
RF Output Power: 4.9 Watts (Conducted)
Li-ion Battery Pack, Normal Capacity (P/N: KNB-47L)
Medium: HSL450 Medium parameters used: f = 485.05 MHz; σ = 0.91 mho/m; ε_r = 44.5; ρ = 1000 kg/m^3

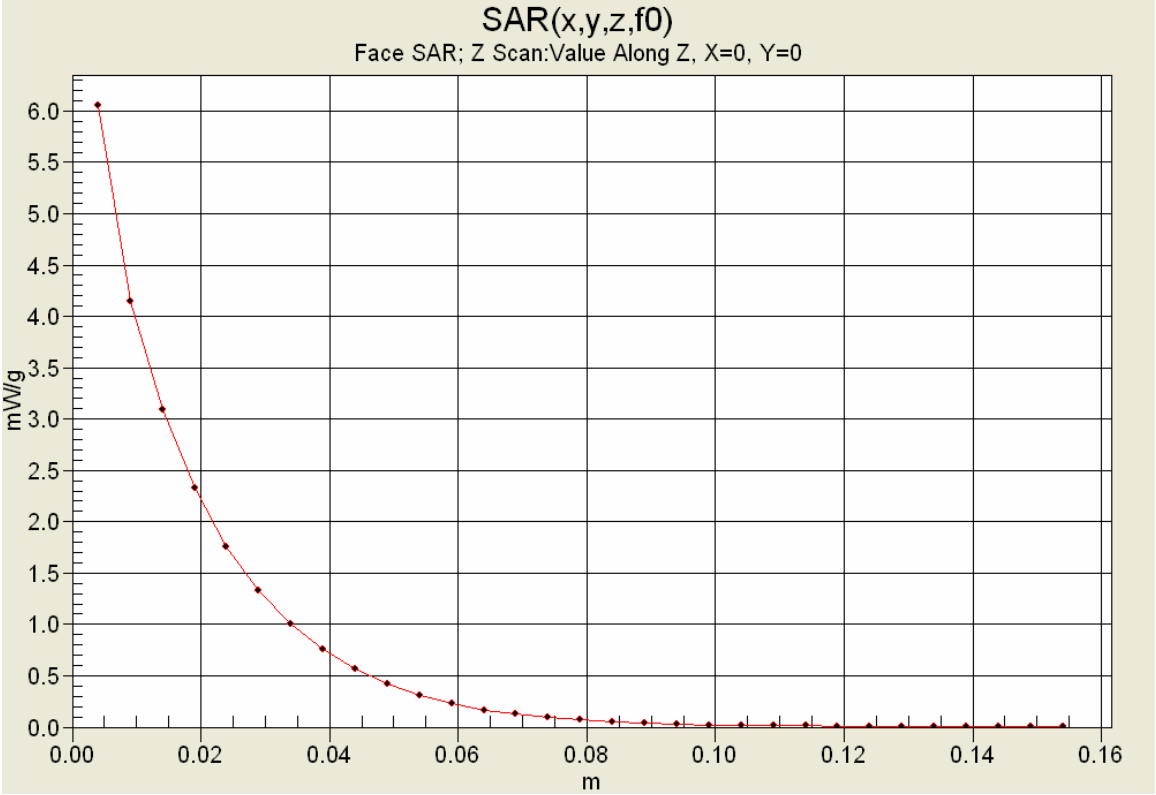
- Probe: ET3DV6 - SN1387; ConvF(7, 7, 7); Calibrated: 16/03/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 21/06/2006
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-Held SAR - 2.5 cm Spacing from Front of DUT to Planar Phantom - Mid Channel
Area Scan (8x16x1): Measurement grid: dx=15mm, dy=15mm

Face-Held SAR - 2.5 cm Spacing from Front of DUT to Planar Phantom - Mid Channel
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 81.9 V/m; Power Drift = -0.369 dB
Peak SAR (extrapolated) = 9.46 W/kg
SAR(1 g) = 6.03 mW/g; SAR(10 g) = 4.27 mW/g
Maximum value of SAR (measured) = 6.28 mW/g



Z-Axis Scan


SAR(x,y,z,f0)
Face SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
m

Date Tested: 06/13/2007

Face-Held SAR - Whip Antenna (P/N: KRA-27M) - Mid Channel - 485.05 MHz

DUT: Kenwood NX-300-K; Type: Portable UHF PTT Radio Transceiver; Serial: U_15S No. 17

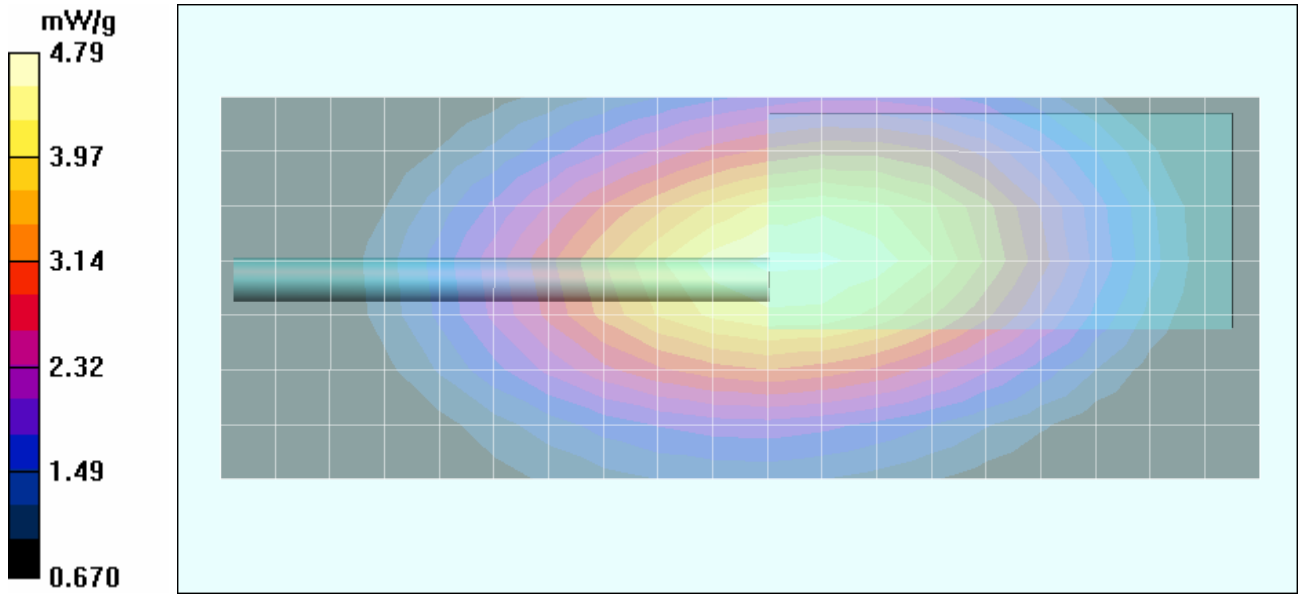
Ambient Temp: 24.2°C; Fluid Temp: 23.0°C; Barometric Pressure: 97.0 kPa; Humidity: 31%

Communication System: FM UHF
Frequency: 485.05 MHz; Duty Cycle: 1:1
RF Output Power: 4.9 Watts (Conducted)
Li-ion Battery Pack, Normal Capacity (P/N: KNB-47L)
Medium: HSL450 Medium parameters used: f = 485.05 MHz; σ = 0.91 mho/m; ε_r = 44.5; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1387; ConvF(7, 7, 7); Calibrated: 16/03/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 21/06/2006
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-Held SAR - 2.5 cm Spacing from Front of DUT to Planar Phantom - Mid Channel
Area Scan (8x20x1): Measurement grid: dx=15mm, dy=15mm

Face-Held SAR - 2.5 cm Spacing from Front of DUT to Planar Phantom - Mid Channel
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 71.1 V/m; Power Drift = -0.211 dB
Peak SAR (extrapolated) = 7.09 W/kg
SAR(1 g) = 4.57 mW/g; SAR(10 g) = 3.26 mW/g
Maximum value of SAR (measured) = 4.79 mW/g



Date Tested: 06/13/2007

Face-Held SAR - Whip Antenna (P/N: KRA-27M2) - Mid Channel - 485.05 MHz

DUT: Kenwood NX-300-K; Type: Portable UHF PTT Radio Transceiver; Serial: U_15S No. 17

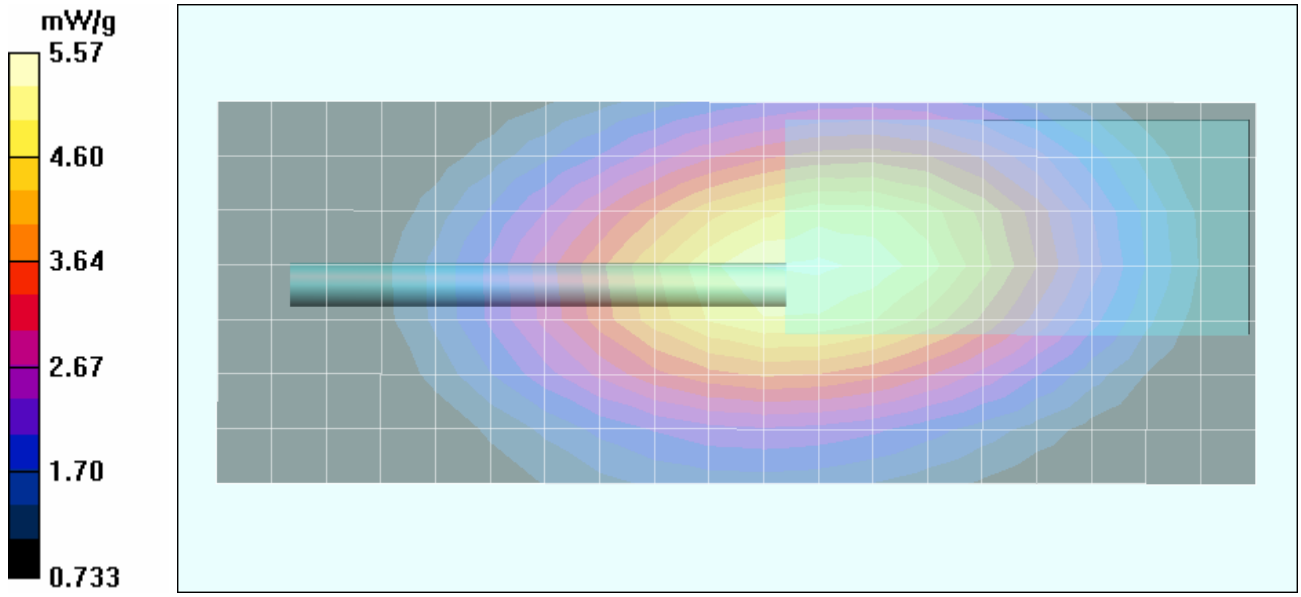
Ambient Temp: 24.2°C; Fluid Temp: 23.0°C; Barometric Pressure: 97.0 kPa; Humidity: 31%

Communication System: FM UHF
Frequency: 485.05 MHz; Duty Cycle: 1:1
RF Output Power: 4.9 Watts (Conducted)
Li-ion Battery Pack, Normal Capacity (P/N: KNB-47L)
Medium: HSL450 Medium parameters used: f = 485.05 MHz; σ = 0.91 mho/m; ε_r = 44.5; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1387; ConvF(7, 7, 7); Calibrated: 16/03/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 21/06/2006
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-Held SAR - 2.5 cm Spacing from Front of DUT to Planar Phantom - Mid Channel
Area Scan (8x20x1): Measurement grid: dx=15mm, dy=15mm

Face-Held SAR - 2.5 cm Spacing from Front of DUT to Planar Phantom - Mid Channel
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 75.6 V/m; Power Drift = -0.155 dB
Peak SAR (extrapolated) = 8.40 W/kg
SAR(1 g) = 5.36 mW/g; SAR(10 g) = 3.82 mW/g
Maximum value of SAR (measured) = 5.57 mW/g



Date Tested: 06/13/2007

Face-Held SAR - Helical Antenna (P/N: KRA-23M2) - Mid Channel - 485.05 MHz

DUT: Kenwood NX-300-K; Type: Portable UHF PTT Radio Transceiver; Serial: U_15S No. 17

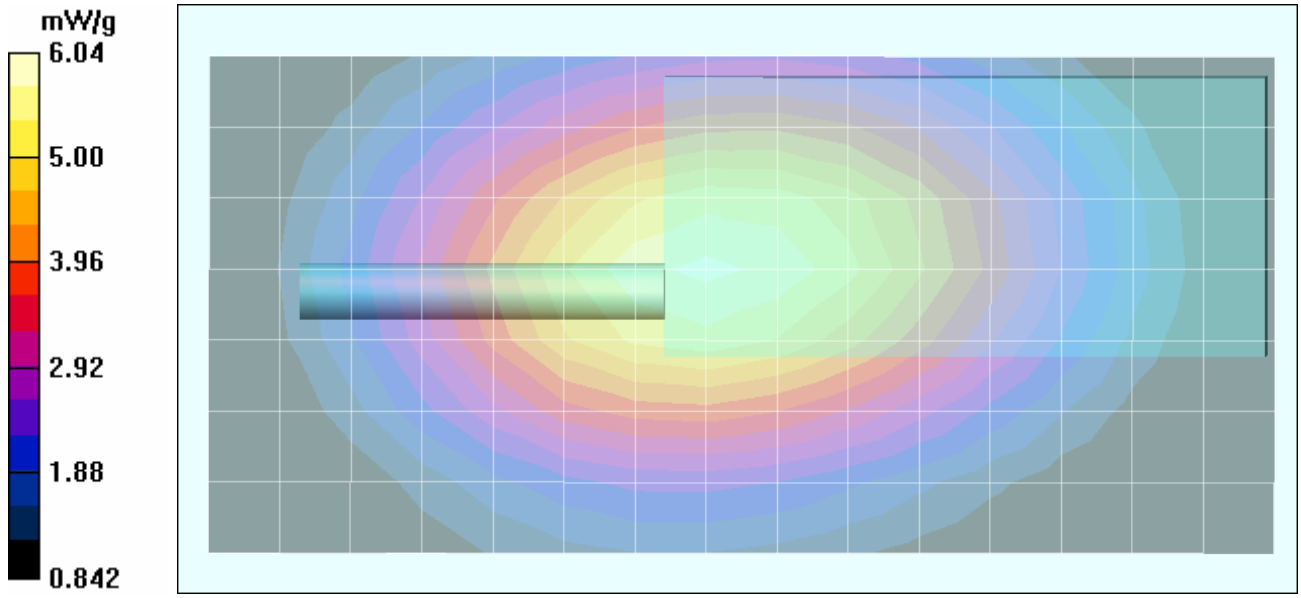
Ambient Temp: 24.2°C; Fluid Temp: 23.0°C; Barometric Pressure: 97.0 kPa; Humidity: 31%

Communication System: FM UHF
Frequency: 485.05 MHz; Duty Cycle: 1:1
RF Output Power: 4.9 Watts (Conducted)
Li-ion Battery Pack, High Capacity (P/N: KNB-48L)
Medium: HSL450 Medium parameters used: f = 485.05 MHz; σ = 0.91 mho/m; ε_r = 44.5; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1387; ConvF(7, 7, 7); Calibrated: 16/03/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 21/06/2006
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Face-Held SAR - 2.5 cm Spacing from Front of DUT to Planar Phantom - Mid Channel
Area Scan (8x16x1): Measurement grid: dx=15mm, dy=15mm

Face-Held SAR - 2.5 cm Spacing from Front of DUT to Planar Phantom - Mid Channel
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 78.0 V/m; Power Drift = -0.290 dB
Peak SAR (extrapolated) = 9.02 W/kg
SAR(1 g) = 5.82 mW/g; SAR(10 g) = 4.15 mW/g
Maximum value of SAR (measured) = 6.04 mW/g



Date Tested: 06/12/2007

Body-Worn SAR - Helical Antenna (P/N: KRA-23M) - Mid Channel - 485.05 MHz

DUT: Kenwood NX-300-K; Type: Portable UHF PTT Radio Transceiver; Serial: U_15S No. 17

Body-Worn Accessory: Belt-Clip (P/N: J29-0730>PC<1); Audio Accessory: Speaker-Microphone (P/N: KMC-25)

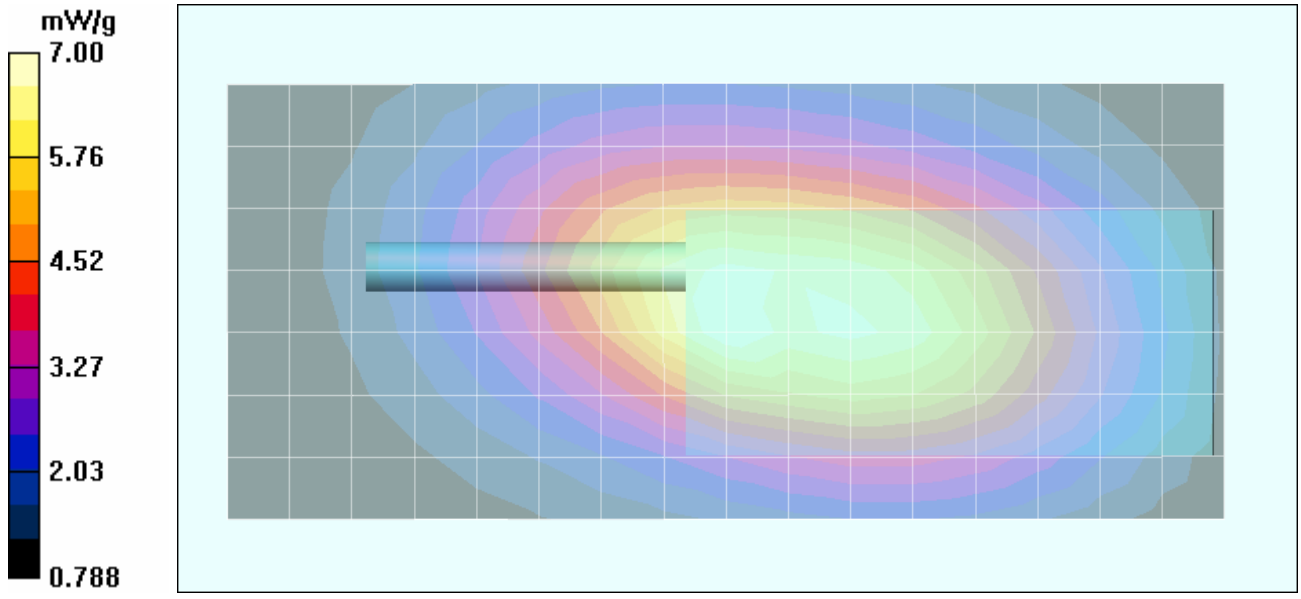
Ambient Temp: 22.4°C; Fluid Temp: 21.8°C; Barometric Pressure: 97.3 kPa; Humidity: 31%

Communication System: FM UHF
Frequency: 485.05 MHz; Duty Cycle: 1:1
RF Output Power: 4.9 Watts (Conducted)
Li-ion Battery Pack, Normal Capacity (P/N: KNB-47L)
Medium: M450 Medium parameters used: f = 485.05 MHz; σ = 0.91 mho/m; ε_r = 56.5; ρ = 1000 kg/m^3
- Probe: ET3DV6 - SN1387; ConvF(6.9, 6.9, 6.9); Calibrated: 16/03/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 21/06/2006
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-Worn SAR - 1.9 cm Belt-Clip Spacing from Back of DUT to Planar Phantom - Mid Channel
Area Scan (8x17x1): Measurement grid: dx=15mm, dy=15mm

Body-Worn SAR - 1.9 cm Belt-Clip Spacing from Back of DUT to Planar Phantom - Mid Channel
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 73.7 V/m; Power Drift = -0.226 dB
Peak SAR (extrapolated) = 10.2 W/kg
SAR(1 g) = 5.68 mW/g; SAR(10 g) = 3.9 mW/g
Maximum value of SAR (measured) = 6.10 mW/g

Body-Worn SAR - 1.9 cm Belt-Clip Spacing from Back of DUT to Planar Phantom - Mid Channel
Zoom Scan 2 (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 78.2 V/m; Power Drift = -0.226 dB
Peak SAR (extrapolated) = 11.7 W/kg
SAR(1 g) = 6.15 mW/g; SAR(10 g) = 4.13 mW/g
Maximum value of SAR (measured) = 7.00 mW/g



Date Tested: 06/12/2007

Body-Worn SAR - Helical Antenna (P/N: KRA-23M2) - Mid Channel - 485.05 MHz

DUT: Kenwood NX-300-K; Type: Portable UHF PTT Radio Transceiver; Serial: U_15S No. 17

Body-Worn Accessory: Belt-Clip (P/N: J29-0730>PC<1); Audio Accessory: Speaker-Microphone (P/N: KMC-25)

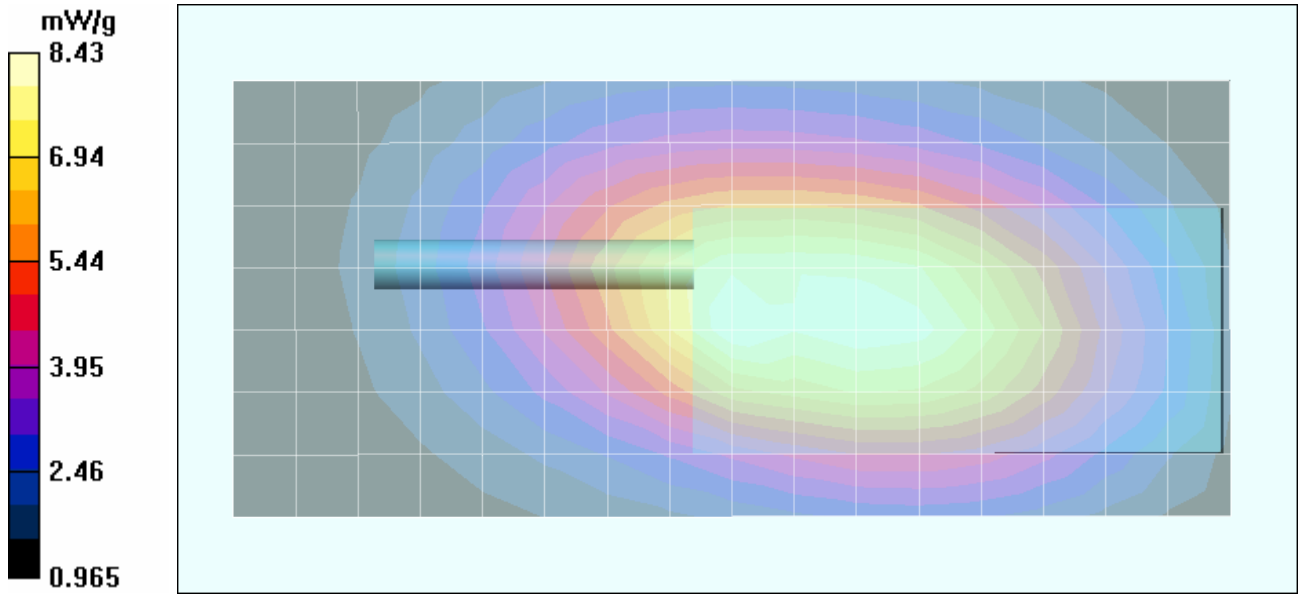
Ambient Temp: 22.4°C; Fluid Temp: 21.8°C; Barometric Pressure: 97.3 kPa; Humidity: 31%

Communication System: FM UHF
Frequency: 485.05 MHz; Duty Cycle: 1:1
RF Output Power: 4.9 Watts (Conducted)
Li-ion Battery Pack, Normal Capacity (P/N: KNB-47L)
Medium: M450 Medium parameters used: f = 485.05 MHz; σ = 0.91 mho/m; ε_r = 56.5; ρ = 1000 kg/m^3
- Probe: ET3DV6 - SN1387; ConvF(6.9, 6.9, 6.9); Calibrated: 16/03/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 21/06/2006
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-Worn SAR - 1.9 cm Belt-Clip Spacing from Back of DUT to Planar Phantom - Mid Channel
Area Scan (8x17x1): Measurement grid: dx=15mm, dy=15mm

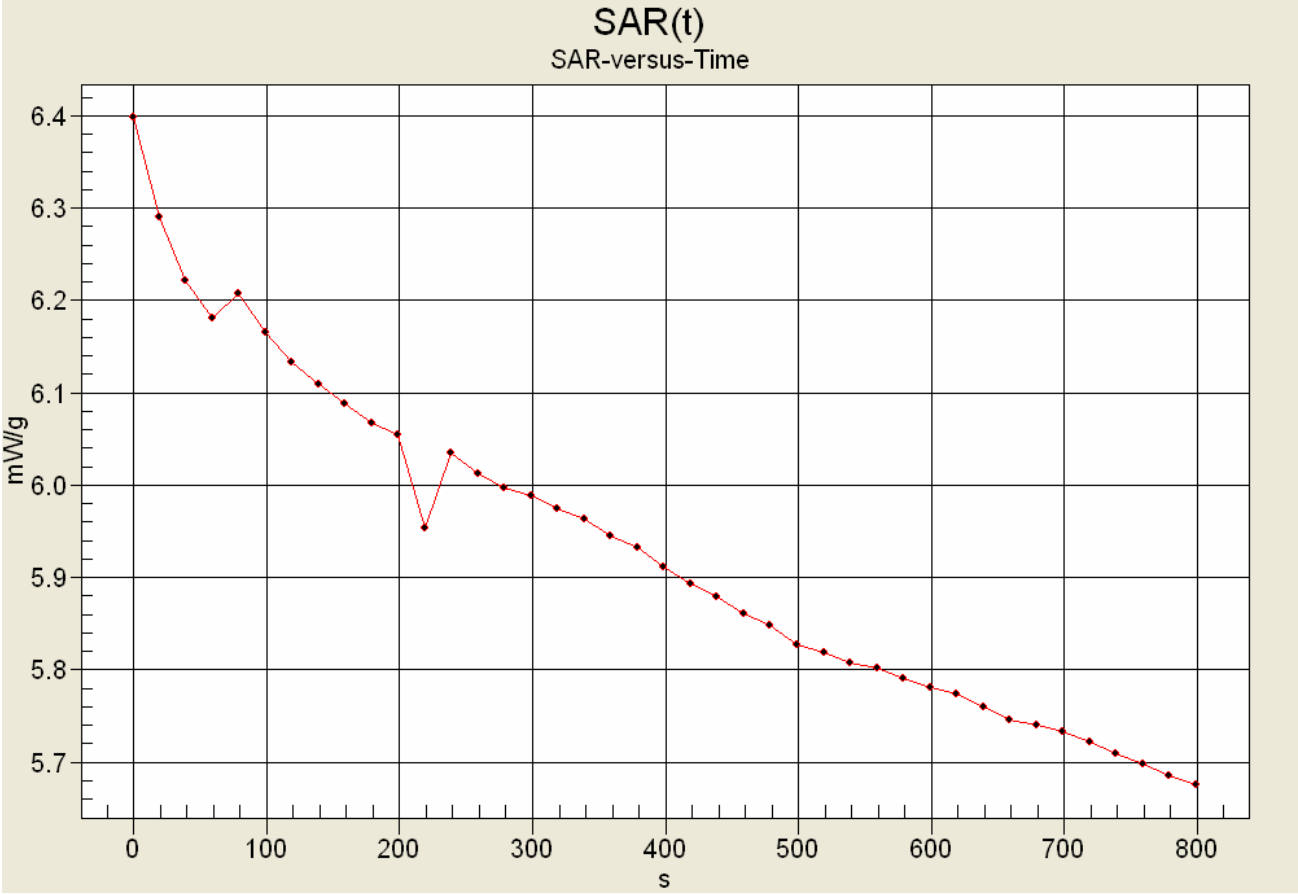
Body-Worn SAR - 1.9 cm Belt-Clip Spacing from Back of DUT to Planar Phantom - Mid Channel
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 88.7 V/m; Power Drift = -0.611 dB
Peak SAR (extrapolated) = 13.3 W/kg
SAR(1 g) = 7.92 mW/g; SAR(10 g) = 5.48 mW/g
Maximum value of SAR (measured) = 8.43 mW/g

Body-Worn SAR - 1.9 cm Belt-Clip Spacing from Back of DUT to Planar Phantom - Mid Channel
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 88.7 V/m; Power Drift = -0.611 dB
Peak SAR (extrapolated) = 10.4 W/kg
SAR(1 g) = 7.02 mW/g; SAR(10 g) = 5.13 mW/g
Maximum value of SAR (measured) = 7.29 mW/g



SAR-versus-Time Power Droop Evaluation

Body-Worn Configuration
Helical Antenna (P/N: KRA-23M2)
Li-ion Battery (P/N: KNB-47L)
Mid Channel (485.05 MHz)



Max SAR: 6.394 mW/g
Low SAR: 5.672 mW/g (-0.520 dB)
SAR after 340s: 5.959 mW/g (-0.306 dB)
(340s = Zoom Scan Duration)
(800s = Area Scan Duration)

Date Tested: 06/12/2007

Body-Worn SAR - Whip Antenna (P/N: KRA-27M) - Mid Channel - 485.05 MHz

DUT: Kenwood NX-300-K; Type: Portable UHF PTT Radio Transceiver; Serial: U_15S No. 17

Body-Worn Accessory: Belt-Clip (P/N: J29-0730>PC<1); Audio Accessory: Speaker-Microphone (P/N: KMC-25)

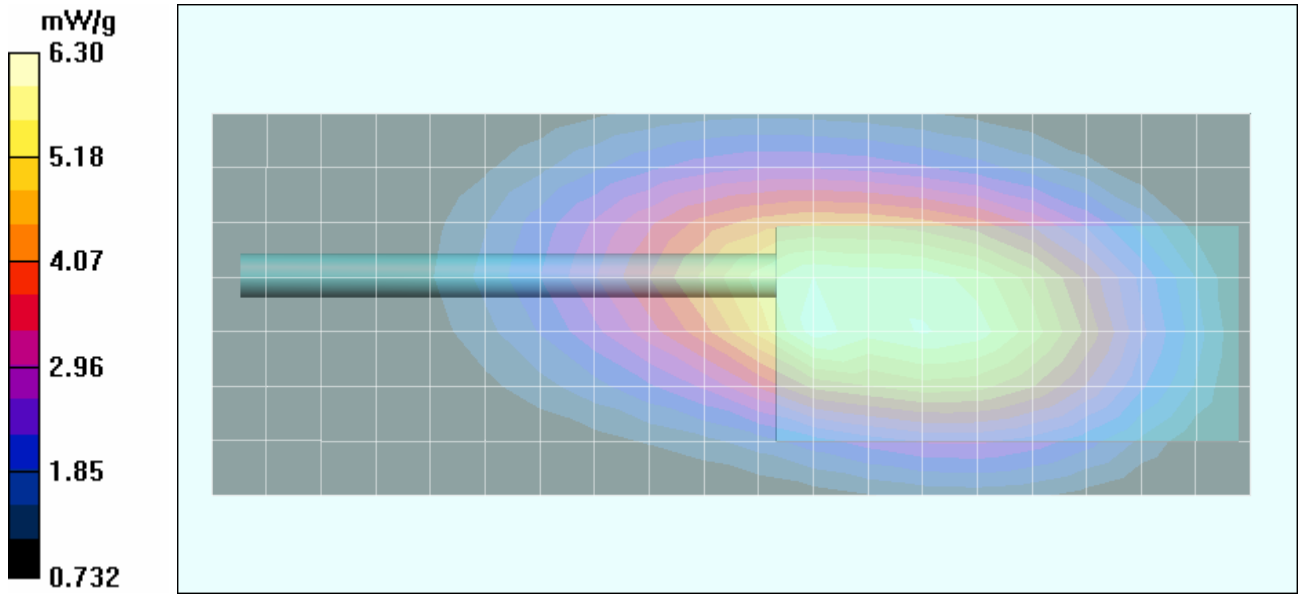
Ambient Temp: 22.4°C; Fluid Temp: 21.8°C; Barometric Pressure: 97.3 kPa; Humidity: 31%

Communication System: FM UHF
Frequency: 485.05 MHz; Duty Cycle: 1:1
RF Output Power: 4.9 Watts (Conducted)
Li-ion Battery Pack, Normal Capacity (P/N: KNB-47L)
Medium: M450 Medium parameters used: f = 485.05 MHz; σ = 0.91 mho/m; ε_r = 56.5; ρ = 1000 kg/m^3
- Probe: ET3DV6 - SN1387; ConvF(6.9, 6.9, 6.9); Calibrated: 16/03/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 21/06/2006
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-Worn SAR - 1.9 cm Belt-Clip Spacing from Back of DUT to Planar Phantom - Mid Channel
Area Scan (8x20x1): Measurement grid: dx=15mm, dy=15mm

Body-Worn SAR - 1.9 cm Belt-Clip Spacing from Back of DUT to Planar Phantom - Mid Channel
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 74.9 V/m; Power Drift = -0.317 dB
Peak SAR (extrapolated) = 9.95 W/kg
SAR(1 g) = 6.08 mW/g; SAR(10 g) = 4.25 mW/g
Maximum value of SAR (measured) = 6.30 mW/g

Body-Worn SAR - 1.9 cm Belt-Clip Spacing from Back of DUT to Planar Phantom - Mid Channel
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 74.9 V/m; Power Drift = -0.317 dB
Peak SAR (extrapolated) = 8.48 W/kg
SAR(1 g) = 5.69 mW/g; SAR(10 g) = 4.15 mW/g
Maximum value of SAR (measured) = 5.92 mW/g



Date Tested: 06/12/2007

Body-Worn SAR - Whip Antenna (P/N: KRA-27M2) - Mid Channel - 485.05 MHz

DUT: Kenwood NX-300-K; Type: Portable UHF PTT Radio Transceiver; Serial: U_15S No. 17

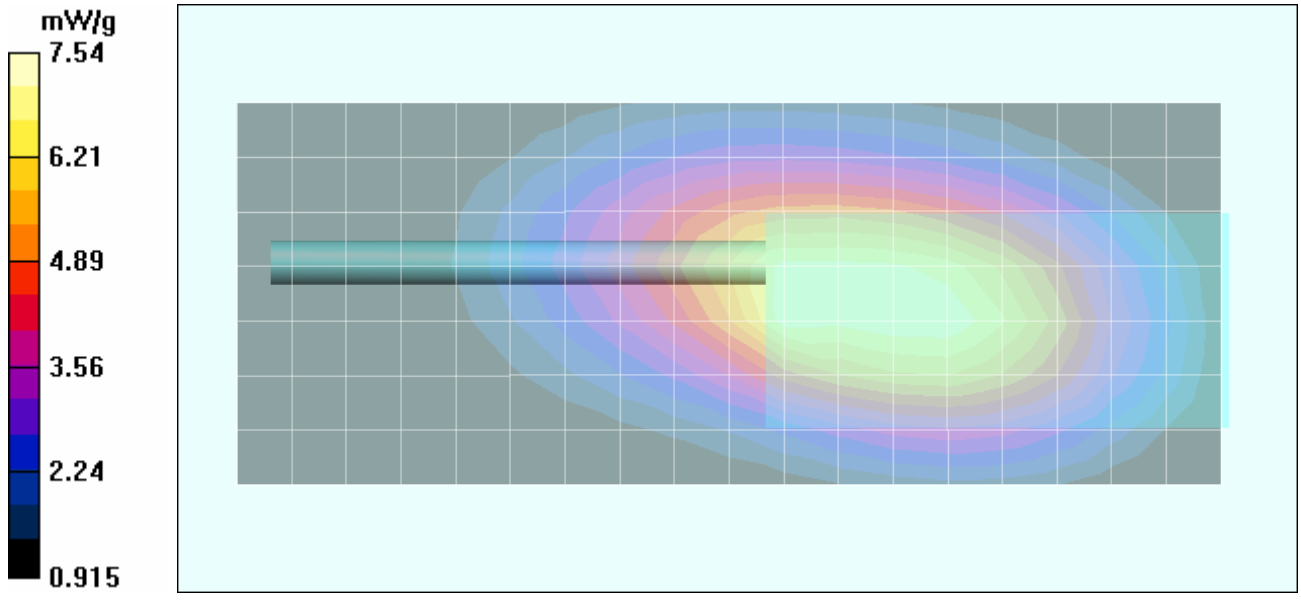
Body-Worn Accessory: Belt-Clip (P/N: J29-0730>PC<1); Audio Accessory: Speaker-Microphone (P/N: KMC-25)

Ambient Temp: 22.4°C; Fluid Temp: 21.8°C; Barometric Pressure: 97.3 kPa; Humidity: 31%

Communication System: FM UHF
Frequency: 485.05 MHz; Duty Cycle: 1:1
RF Output Power: 4.9 Watts (Conducted)
Li-ion Battery Pack, Normal Capacity (P/N: KNB-47L)
Medium: M450 Medium parameters used: f = 485.05 MHz; σ = 0.91 mho/m; ε_r = 56.5; ρ = 1000 kg/m^3
- Probe: ET3DV6 - SN1387; ConvF(6.9, 6.9, 6.9); Calibrated: 16/03/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 21/06/2006
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-Worn SAR - 1.9 cm Belt-Clip Spacing from Back of DUT to Planar Phantom - Mid Channel
Area Scan (8x19x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (measured) = 7.06 mW/g

Body-Worn SAR - 1.9 cm Belt-Clip Spacing from Back of DUT to Planar Phantom - Mid Channel
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 83.6 V/m; Power Drift = -0.370 dB
Peak SAR (extrapolated) = 11.9 W/kg
SAR(1 g) = 7.22 mW/g; SAR(10 g) = 5.01 mW/g
Maximum value of SAR (measured) = 7.54 mW/g
Body-Worn SAR - 1.9 cm Belt-Clip Spacing from Back of DUT to Planar Phantom - Mid Channel
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 83.6 V/m; Power Drift = -0.370 dB
Peak SAR (extrapolated) = 9.81 W/kg
SAR(1 g) = 6.60 mW/g; SAR(10 g) = 4.8 mW/g
Maximum value of SAR (measured) = 6.85 mW/g



Date Tested: 06/12/2007

Body-Worn SAR - Whip Antenna (P/N: KRA-27M) - Low Channel - 450.05 MHz

DUT: Kenwood NX-300-K; Type: Portable UHF PTT Radio Transceiver; Serial: U_15S No. 17

Body-Worn Accessory: Belt-Clip (P/N: J29-0730>PC<1); Audio Accessory: Speaker-Microphone (P/N: KMC-25)

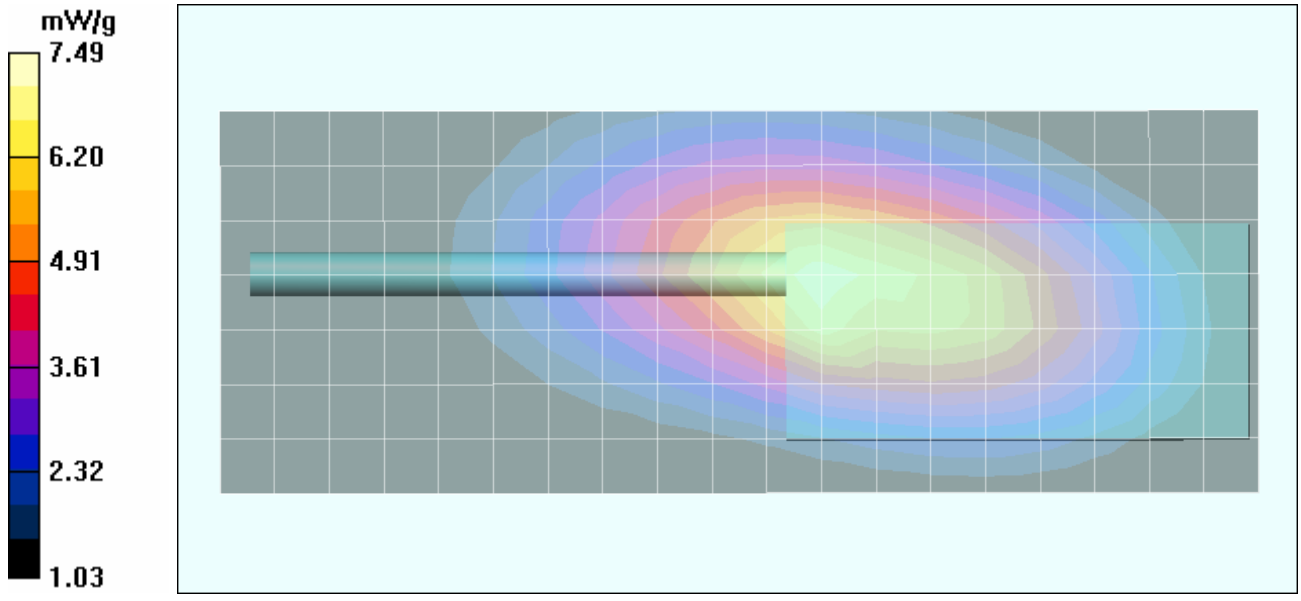
Ambient Temp: 22.4°C; Fluid Temp: 21.8°C; Barometric Pressure: 97.3 kPa; Humidity: 31%

Communication System: FM UHF
Frequency: 450.05 MHz; Duty Cycle: 1:1
RF Output Power: 5.0 Watts (Conducted)
Li-ion Battery Pack, Normal Capacity (P/N: KNB-47L)
Medium: M450 Medium parameters used: f = 450.05 MHz; σ = 0.91 mho/m; ε_r = 56.5; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1387; ConvF(6.9, 6.9, 6.9); Calibrated: 16/03/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 21/06/2006
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-Worn SAR - 1.9 cm Belt-Clip Spacing from Back of DUT to Planar Phantom - Low Channel
Area Scan (8x20x1): Measurement grid: dx=15mm, dy=15mm

Body-Worn SAR - 1.9 cm Belt-Clip Spacing from Back of DUT to Planar Phantom - Low Channel
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 80.2 V/m; Power Drift = -0.0241 dB
Peak SAR (extrapolated) = 11.5 W/kg
SAR(1 g) = 7.16 mW/g; SAR(10 g) = 5.02 mW/g
Maximum value of SAR (measured) = 7.49 mW/g



Date Tested: 06/12/2007

Body-Worn SAR - Helical Antenna (P/N: KRA-23M2) - High Channel - 519.95 MHz

DUT: Kenwood NX-300-K; Type: Portable UHF PTT Radio Transceiver; Serial: U_15S No. 17

Body-Worn Accessory: Belt-Clip (P/N: J29-0730>PC<1); Audio Accessory: Speaker-Microphone (P/N: KMC-25)

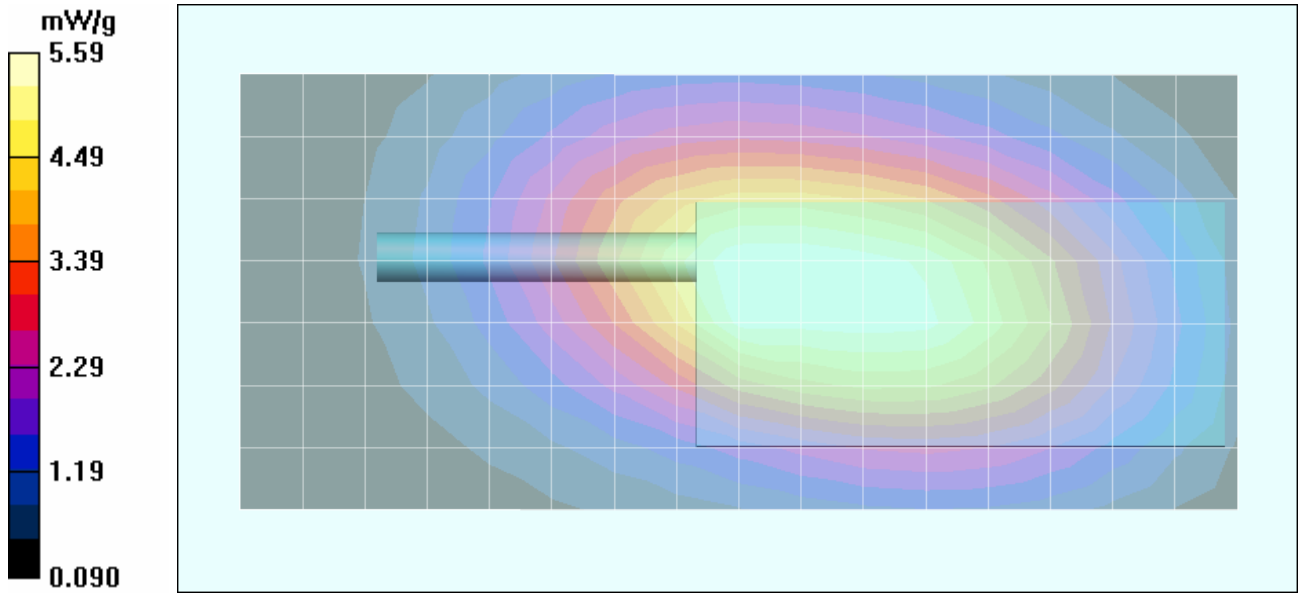
Ambient Temp: 22.4°C; Fluid Temp: 21.8°C; Barometric Pressure: 97.3 kPa; Humidity: 31%

Communication System: FM UHF
Frequency: 519.95 MHz; Duty Cycle: 1:1
RF Output Power: 4.8 Watts (Conducted)
Li-ion Battery Pack, Normal Capacity (P/N: KNB-47L)
Medium: M450 Medium parameters used: f = 519.95 MHz; σ = 0.91 mho/m; ε_r = 56.5; ρ = 1000 kg/m^3

- Probe: ET3DV6 - SN1387; ConvF(6.9, 6.9, 6.9); Calibrated: 16/03/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 21/06/2006
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-Worn SAR - 1.9 cm Belt-Clip Spacing from Back of DUT to Planar Phantom - High Channel
Area Scan (8x17x1): Measurement grid: dx=15mm, dy=15mm

Body-Worn SAR - 1.9 cm Belt-Clip Spacing from Back of DUT to Planar Phantom - High Channel
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 69.3 V/m; Power Drift = -0.455 dB
Peak SAR (extrapolated) = 16.1 W/kg
SAR(1 g) = 4.59 mW/g; SAR(10 g) = 2.26 mW/g
Maximum value of SAR (measured) = 5.59 mW/g



Date Tested: 06/12/2007

Body-Worn SAR - Helical Antenna (P/N: KRA-23M2) - Mid Channel - 485.05 MHz

DUT: Kenwood NX-300-K; Type: Portable UHF PTT Radio Transceiver; Serial: U_15S No. 17

Body-Worn Accessory: Belt-Clip (P/N: J29-0730>PC<1); Audio Accessory: Speaker-Microphone (P/N: KMC-25)

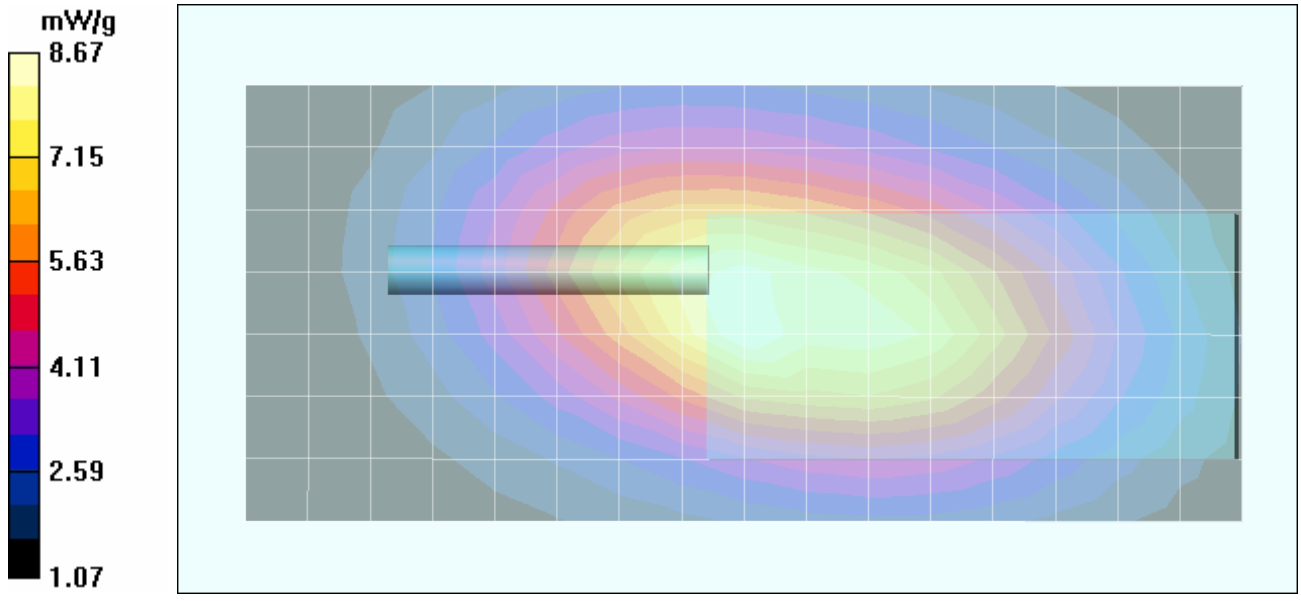
Ambient Temp: 22.4°C; Fluid Temp: 21.8°C; Barometric Pressure: 97.3 kPa; Humidity: 31%

Communication System: FM UHF
Frequency: 485.05 MHz; Duty Cycle: 1:1
RF Output Power: 4.9 Watts (Conducted)
Li-ion Battery Pack, High Capacity (P/N: KNB-48L)
Medium: M450 Medium parameters used: f = 485.05 MHz; σ = 0.91 mho/m; ε_r = 56.5; ρ = 1000 kg/m^3
- Probe: ET3DV6 - SN1387; ConvF(6.9, 6.9, 6.9); Calibrated: 16/03/2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 21/06/2006
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

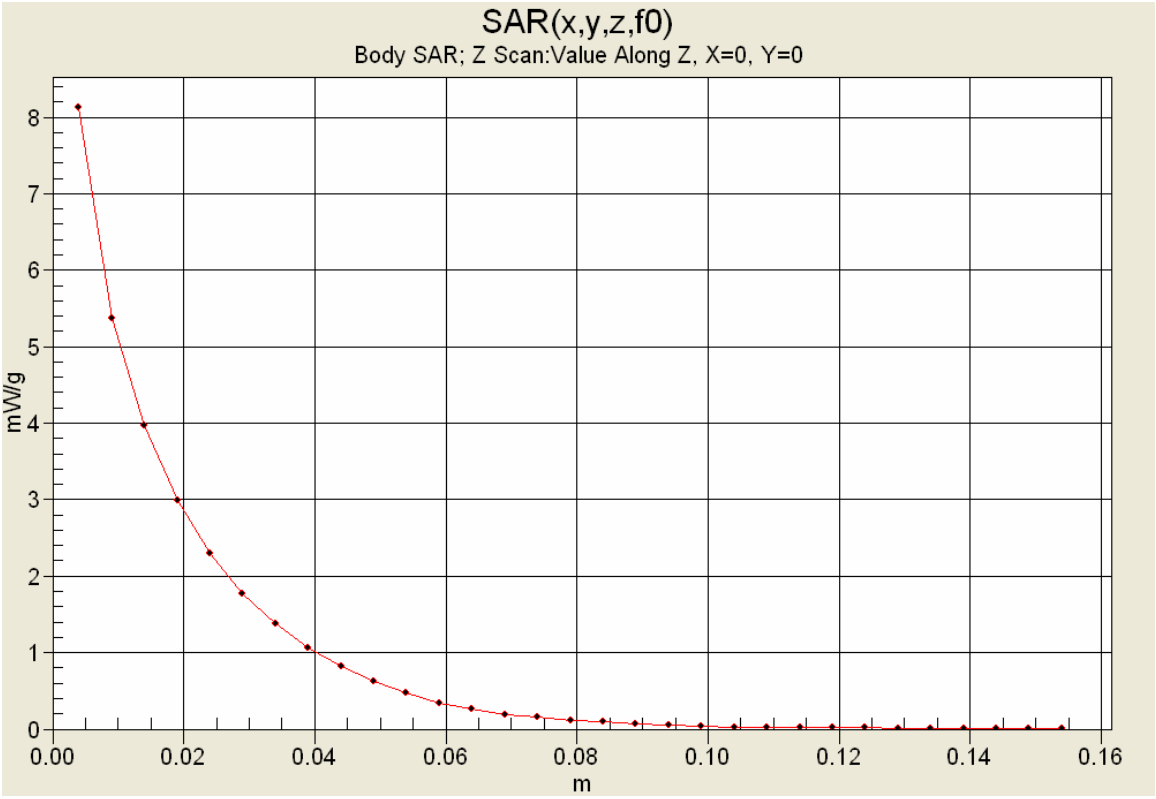
Body-Worn SAR - 1.9 cm Belt-Clip Spacing from Back of DUT to Planar Phantom - Mid Channel
Area Scan (8x17x1): Measurement grid: dx=15mm, dy=15mm

Body-Worn SAR - 1.9 cm Belt-Clip Spacing from Back of DUT to Planar Phantom - Mid Channel
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 91.7 V/m; Power Drift = -0.388 dB
Peak SAR (extrapolated) = 13.6 W/kg
SAR(1 g) = 8.26 mW/g; SAR(10 g) = 5.7 mW/g
Maximum value of SAR (measured) = 8.67 mW/g

Body-Worn SAR - 1.9 cm Belt-Clip Spacing from Back of DUT to Planar Phantom - Mid Channel
Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm
Reference Value = 91.7 V/m; Power Drift = -0.388 dB
Peak SAR (extrapolated) = 10.3 W/kg
SAR(1 g) = 7.00 mW/g; SAR(10 g) = 5.17 mW/g
Maximum value of SAR (measured) = 7.45 mW/g



Z-Axis Scan


SAR(x,y,z,f0)
Body SAR; Z Scan:Value Along Z, X=0, Y=0
mW/g
0
1
2
3
4
5
6
7
8
0.00
0.02
0.04
0.06
0.08
0.10
0.12
0.14
0.16
m