


	<u>Date(s) of Evaluation</u> February 02-08, 2010	<u>Test Report Serial No.</u> 020210ALH-T1001-S90U	<u>Test Report Revision No.</u> Rev. 1.1 (2nd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

APPENDIX A - SAR MEASUREMENT DATA

Applicant:	Kenwood USA Corporation	Models:	TK-3360-K2, TK-3360-M	FCC ID:	ALH415101	KENWOOD
DUT Type:	Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:	406.1 - 470.0 MHz			
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Date Tested: 02/04/2010

Face-held SAR - Ni-MH Battery KNB-56N - Low-Band Stub Antenna KRA-23M3 - 428.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 23.5°C; Fluid Temp: 22.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 428 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated): $f = 428 \text{ MHz}$; $\sigma = 0.83 \text{ mho/m}$; $\epsilon_r = 45.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.20 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

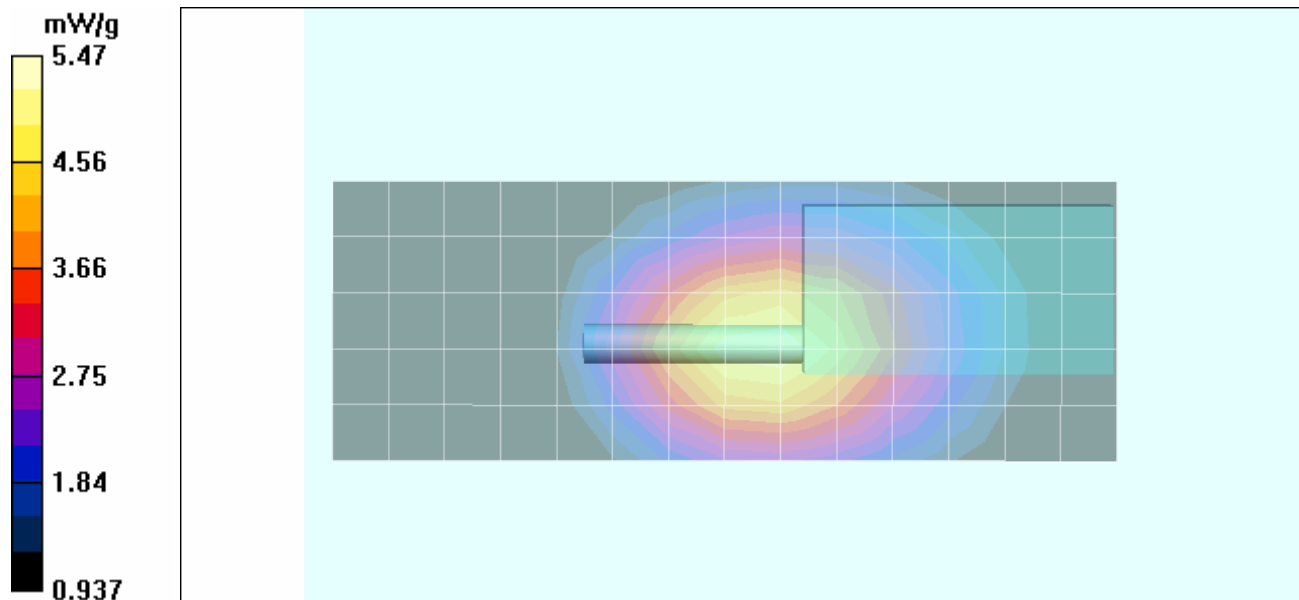
Reference Value = 77.7 V/m; Power Drift = -0.696 dB

Peak SAR (extrapolated) = 7.15 W/kg



SAR(1 g) = 5.24 mW/g; SAR(10 g) = 3.88 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.47 mW/g



Applicant:	Kenwood USA Corporation	Models:	TK-3360-K2, TK-3360-M	FCC ID:	ALH415101	KENWOOD
DUT Type:	Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:	406.1 - 470.0 MHz			
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/05/2010

Face-held SAR - Li-ion Battery KNB-55L - Low-Band Stub Antenna KRA-23M3 - 428.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 22.2°C; Fluid Temp: 20.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 428 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated): $f = 428 \text{ MHz}$; $\sigma = 0.86 \text{ mho/m}$; $\epsilon_r = 45.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.92 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

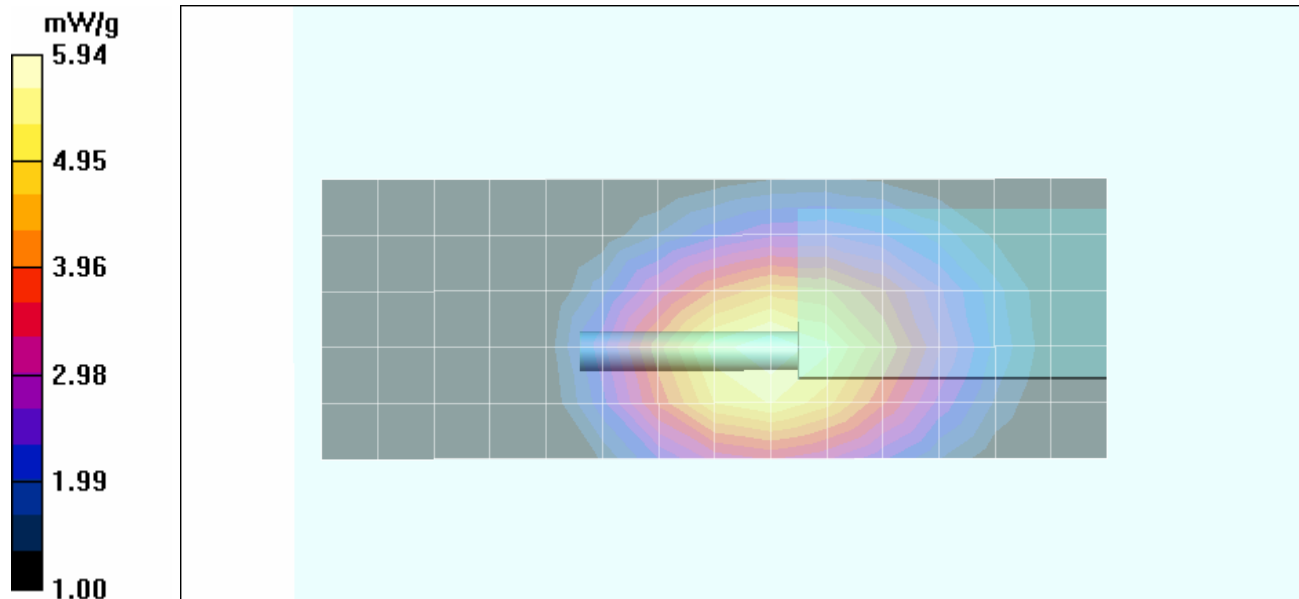
Reference Value = 77.4 V/m; Power Drift = -0.453 dB

Peak SAR (extrapolated) = 7.89 W/kg



SAR(1 g) = 5.64 mW/g; SAR(10 g) = 4.13 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.94 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/05/2010

Face-held SAR - Li-ion Battery KNB-57L - Low-Band Stub Antenna KRA-23M3 - 428.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 22.2°C; Fluid Temp: 20.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 428 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated): $f = 428 \text{ MHz}$; $\sigma = 0.86 \text{ mho/m}$; $\epsilon_r = 45.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.60 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

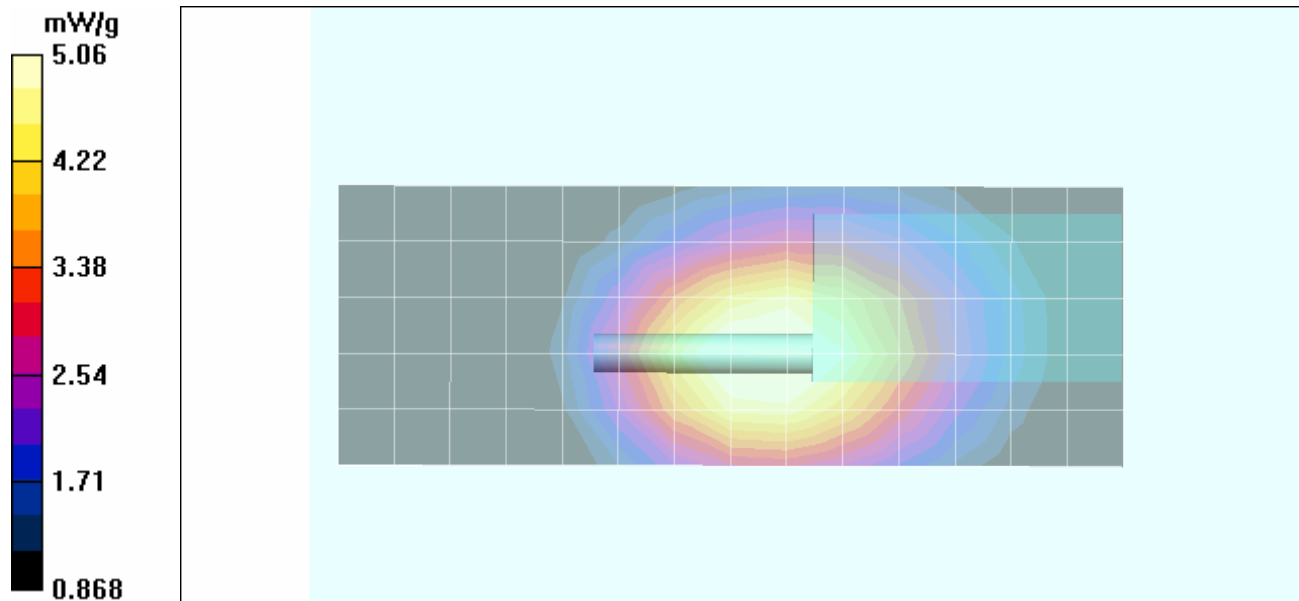
Reference Value = 73.0 V/m; Power Drift = -0.514 dB

Peak SAR (extrapolated) = 6.75 W/kg



SAR(1 g) = 4.82 mW/g; SAR(10 g) = 3.54 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.06 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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Date Tested: 02/04/2010

Face-held SAR - Ni-MH Battery KNB-56N - Low-Band Whip Antenna KRA-27M3 - 428.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 23.5°C; Fluid Temp: 22.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 428 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated): $f = 428 \text{ MHz}$; $\sigma = 0.83 \text{ mho/m}$; $\epsilon_r = 45.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.70 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

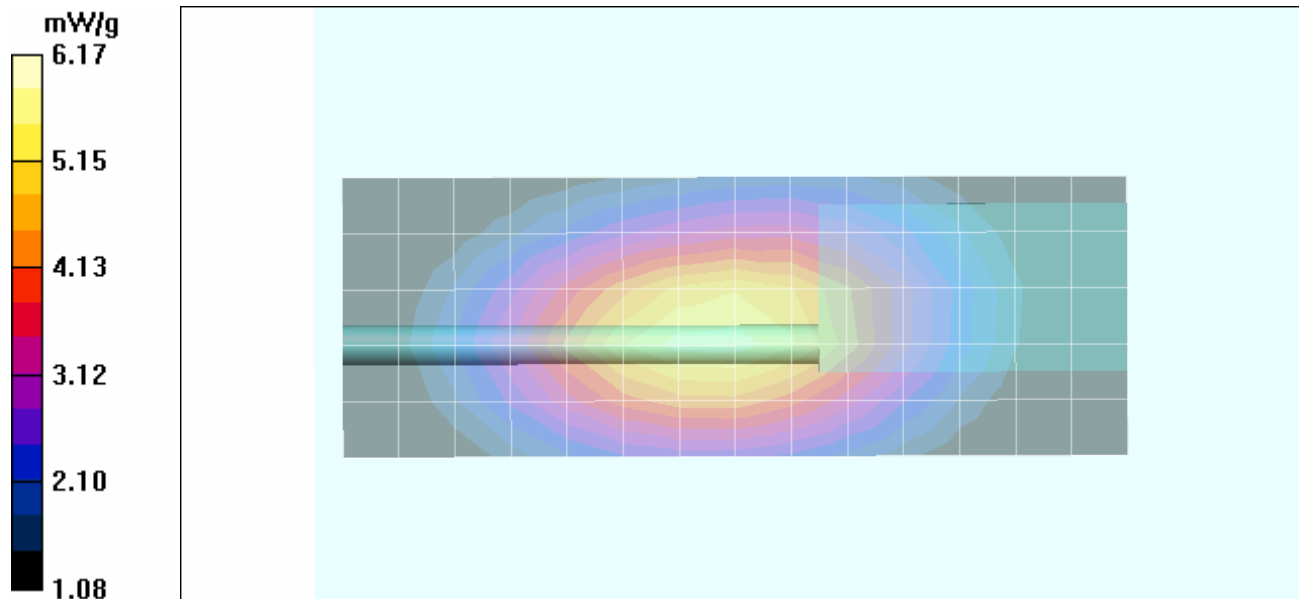
Reference Value = 78.1 V/m; Power Drift = -0.358 dB

Peak SAR (extrapolated) = 8.05 W/kg



SAR(1 g) = 5.9 mW/g; SAR(10 g) = 4.37 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.17 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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Date Tested: 02/04/2010

Face-held SAR - Li-ion Battery KNB-55L - Low-Band Whip Antenna KRA-27M3 - 428.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 23.5°C; Fluid Temp: 22.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 428 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated): $f = 428 \text{ MHz}$; $\sigma = 0.83 \text{ mho/m}$; $\epsilon_r = 45.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.24 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

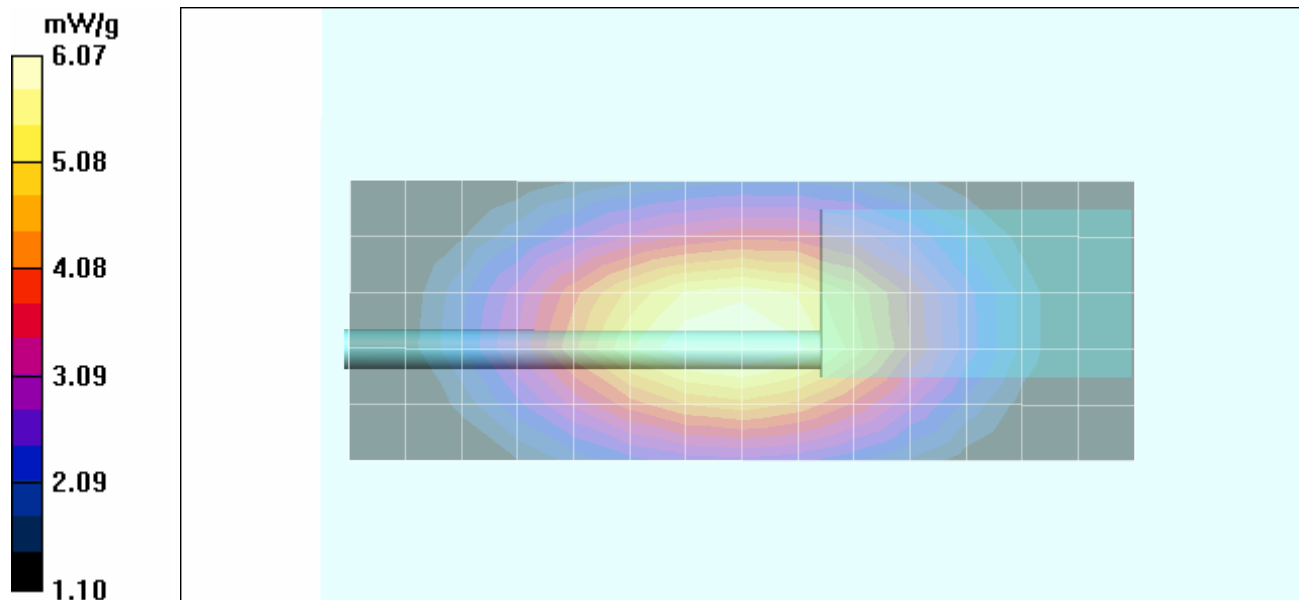
Reference Value = 78.9 V/m; Power Drift = -0.270 dB

Peak SAR (extrapolated) = 7.97 W/kg



SAR(1 g) = 5.79 mW/g; SAR(10 g) = 4.29 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.07 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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Date Tested: 02/04/2010

Face-held SAR - Li-ion Battery KNB-57L - Low-Band Whip Antenna KRA-27M3 - 428.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 23.5°C; Fluid Temp: 22.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 428 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated): $f = 428 \text{ MHz}$; $\sigma = 0.83 \text{ mho/m}$; $\epsilon_r = 45.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.36 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

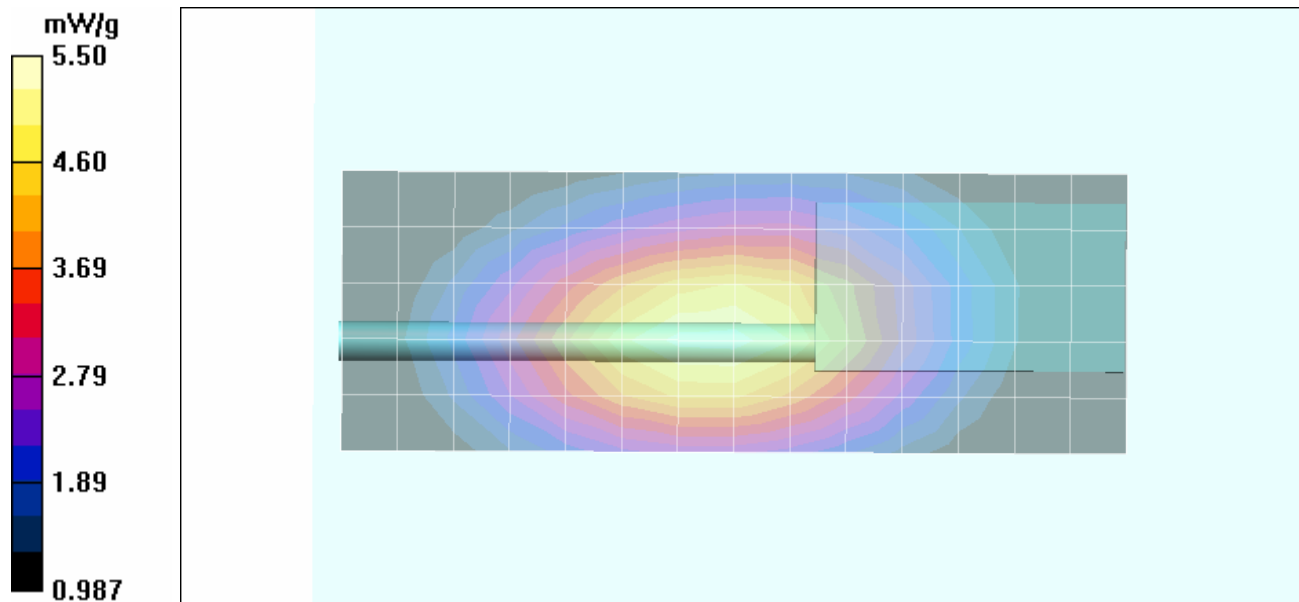
Reference Value = 74.5 V/m; Power Drift = -0.340 dB

Peak SAR (extrapolated) = 7.23 W/kg



SAR(1 g) = 5.26 mW/g; SAR(10 g) = 3.9 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.50 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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Date Tested: 02/04/2010

Face-held SAR - Ni-MH Battery KNB-56N - High-Band Stub Antenna KRA-23M - 455.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 23.5°C; Fluid Temp: 22.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.86 \text{ mho/m}$; $\epsilon_r = 44.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.96 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

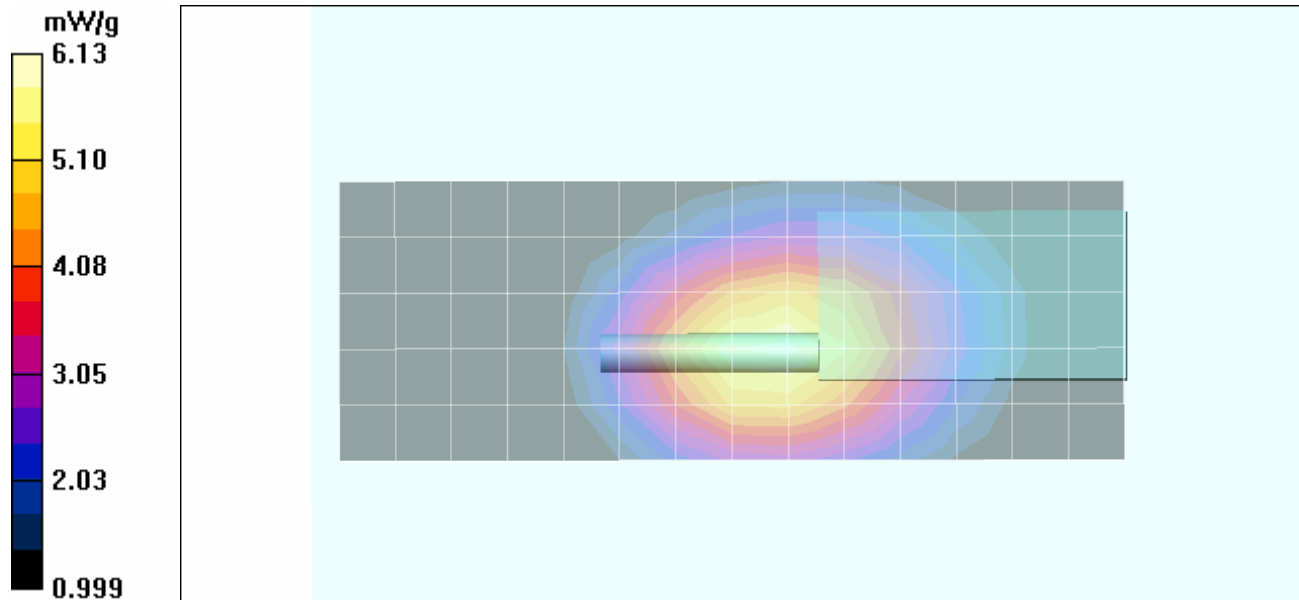
Reference Value = 81.3 V/m; Power Drift = -0.619 dB

Peak SAR (extrapolated) = 8.11 W/kg



SAR(1 g) = 5.83 mW/g; SAR(10 g) = 4.25 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.13 mW/g



Applicant:	Kenwood USA Corporation	Models:	TK-3360-K2, TK-3360-M	FCC ID:	ALH415101	KENWOOD
DUT Type:	Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:	406.1 - 470.0 MHz			
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Date Tested: 02/04/2010

Face-held SAR - Li-ion Battery KNB-55L - High-Band Stub Antenna KRA-23M - 455.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 23.5°C; Fluid Temp: 22.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.86 \text{ mho/m}$; $\epsilon_r = 44.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.40 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

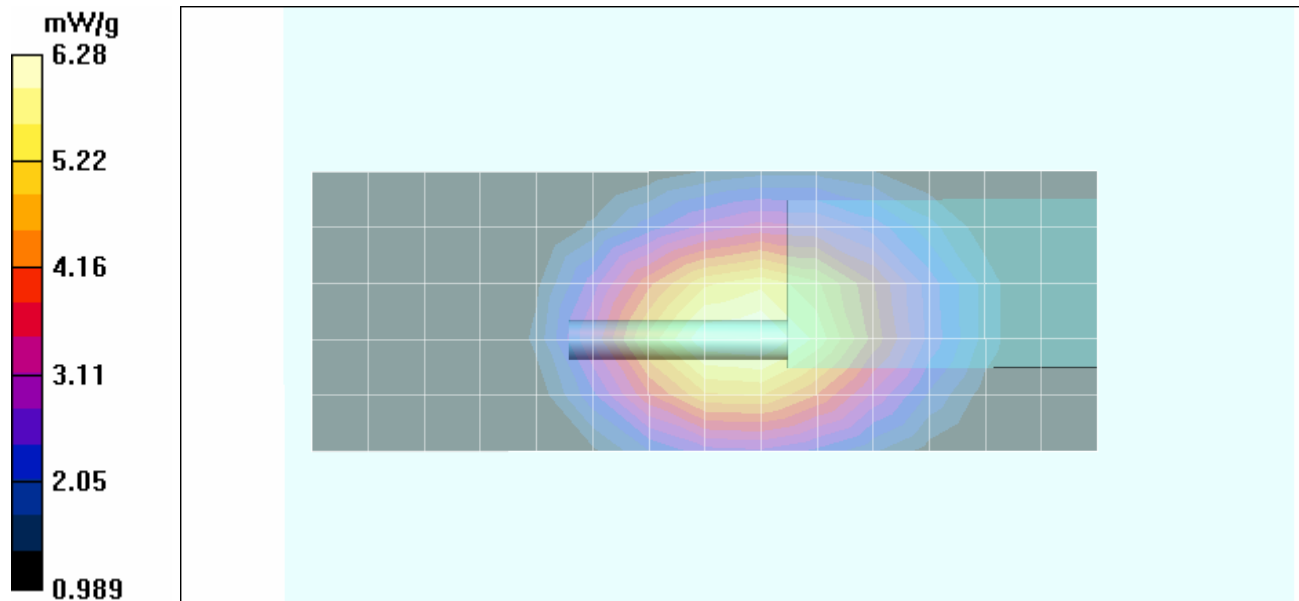
Reference Value = 79.5 V/m; Power Drift = -0.396 dB

Peak SAR (extrapolated) = 8.36 W/kg

SAR(1 g) = 6 mW/g; SAR(10 g) = 4.37 mW/g

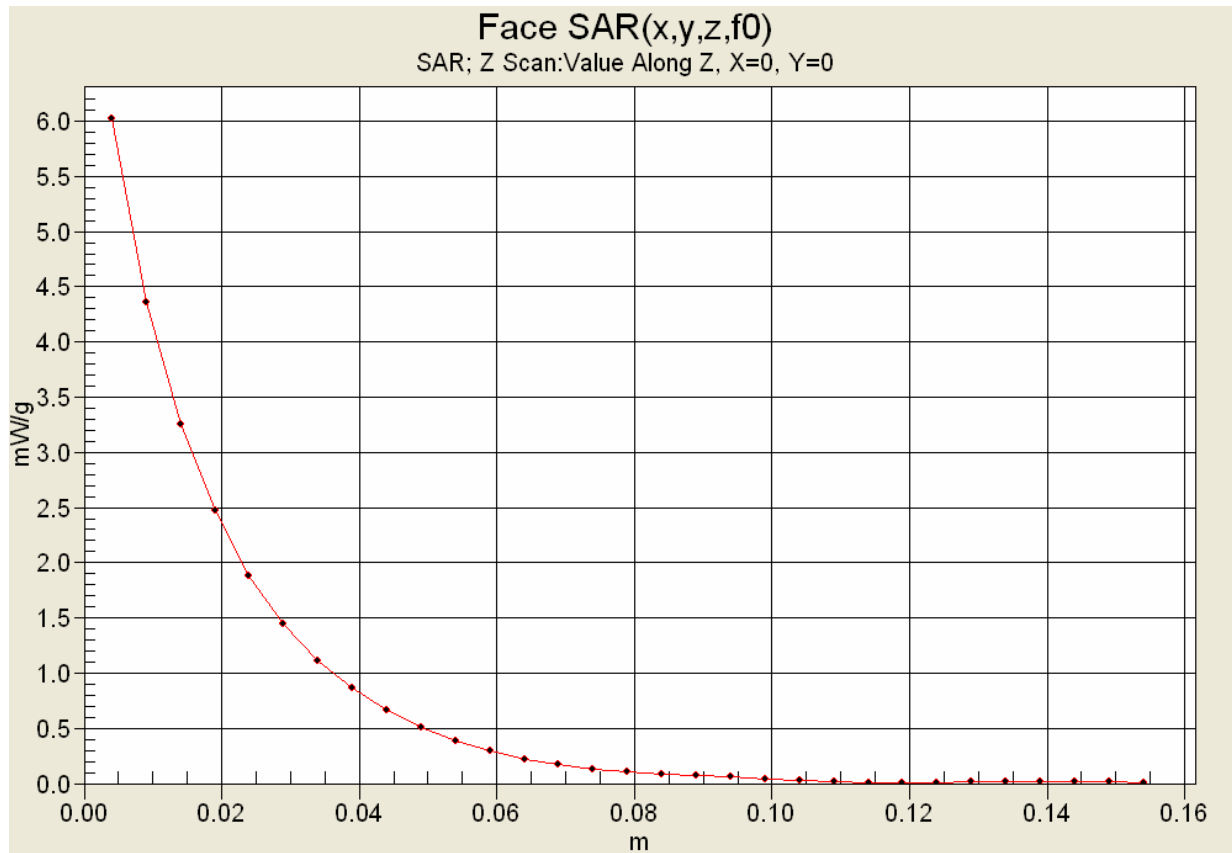
Info: Interpolated medium parameters used for SAR evaluation.



Maximum value of SAR (measured) = 6.28 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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Z-Axis Scan



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Date Tested: 02/04/2010

Face-held SAR - Li-ion Battery KNB-57L - High-Band Stub Antenna KRA-23M - 455.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 23.5°C; Fluid Temp: 22.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.86 \text{ mho/m}$; $\epsilon_r = 44.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.93 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

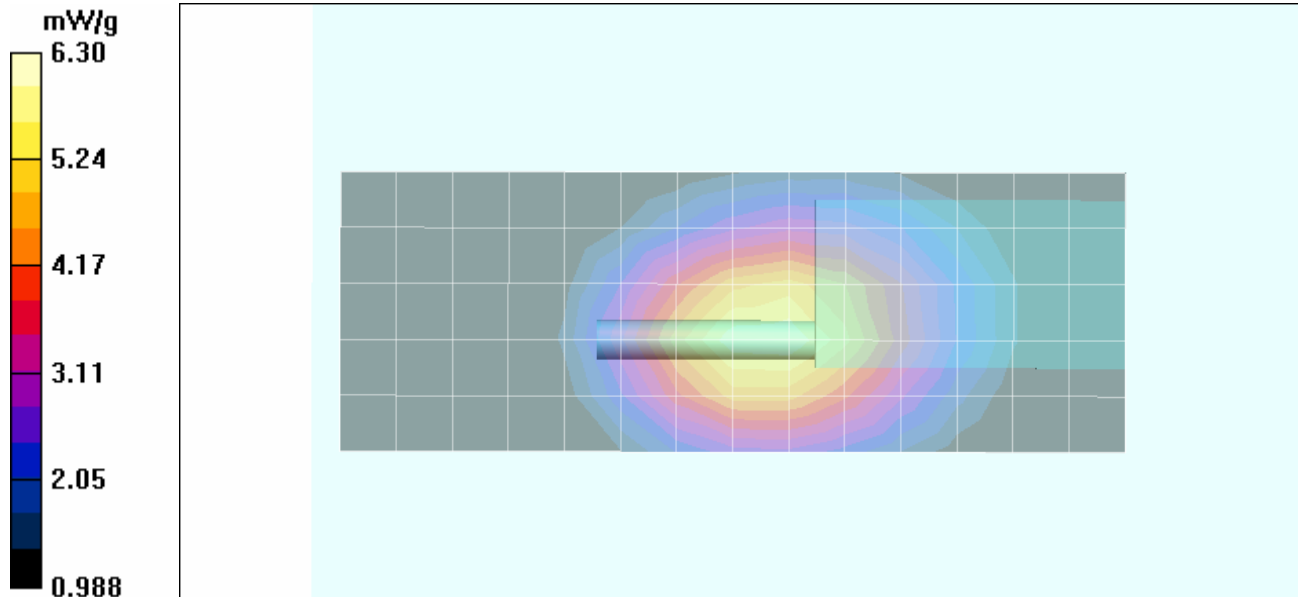
Reference Value = 80.0 V/m; Power Drift = -0.425 dB

Peak SAR (extrapolated) = 8.31 W/kg



SAR(1 g) = 5.99 mW/g; SAR(10 g) = 4.38 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.30 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/05/2010

Face-held SAR - Ni-MH Battery KNB-56N - High-Band Whip Antenna KRA-27M - 455.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 22.2°C; Fluid Temp: 20.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 44.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.56 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

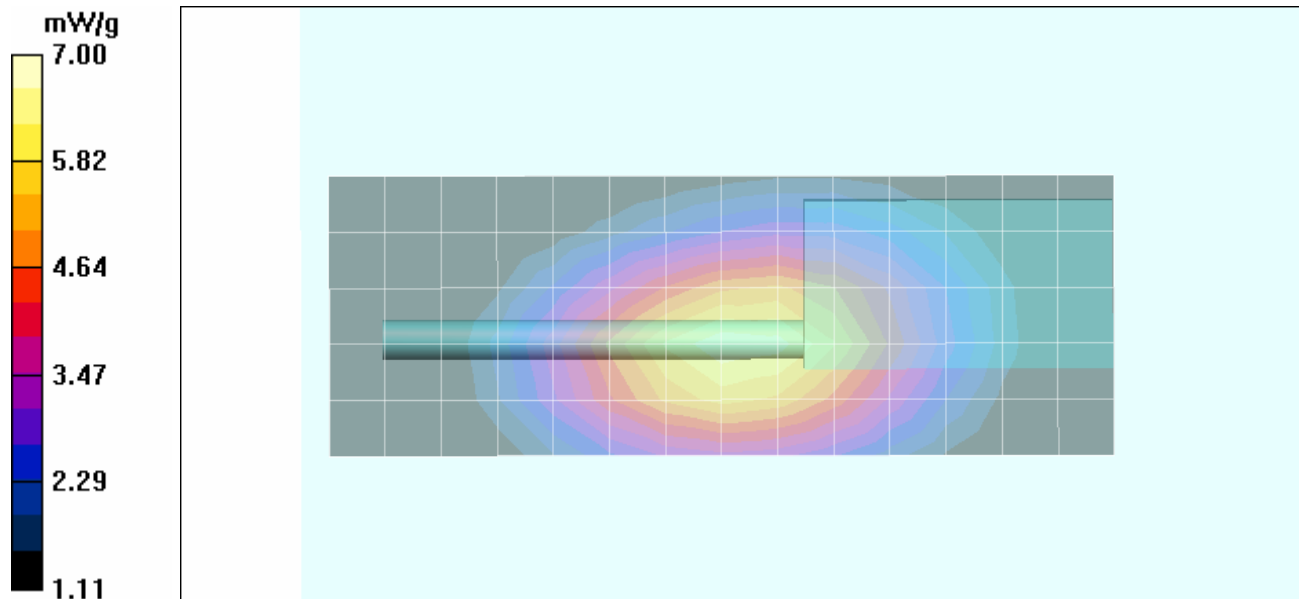
Reference Value = 82.9 V/m; Power Drift = -0.510 dB

Peak SAR (extrapolated) = 9.34 W/kg



SAR(1 g) = 6.63 mW/g; SAR(10 g) = 4.82 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 7.00 mW/g



Applicant:	Kenwood USA Corporation	Models:	TK-3360-K2, TK-3360-M	FCC ID:	ALH415101	KENWOOD
DUT Type:	Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:	406.1 - 470.0 MHz			
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/05/2010

Face-held SAR - Li-ion Battery KNB-55L - High-Band Whip Antenna KRA-27M - 455.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 22.2°C; Fluid Temp: 20.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 44.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.25 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

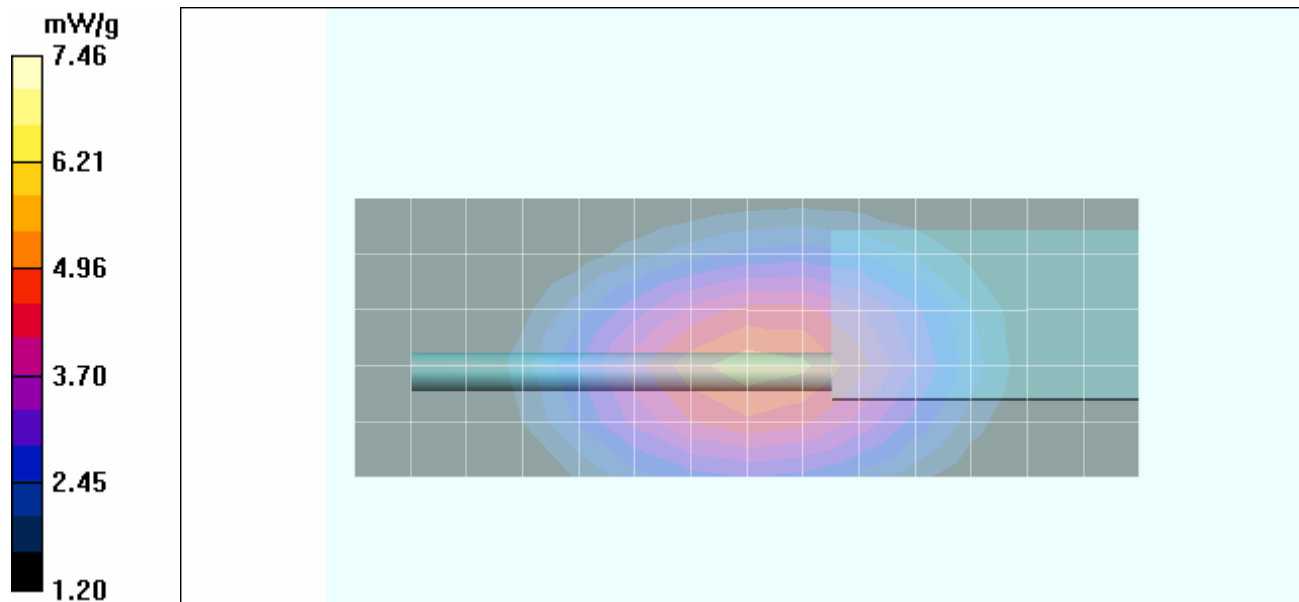
Reference Value = 83.2 V/m; Power Drift = -0.369 dB

Peak SAR (extrapolated) = 9.92 W/kg

SAR(1 g) = 7.08 mW/g; SAR(10 g) = 5.14 mW/g

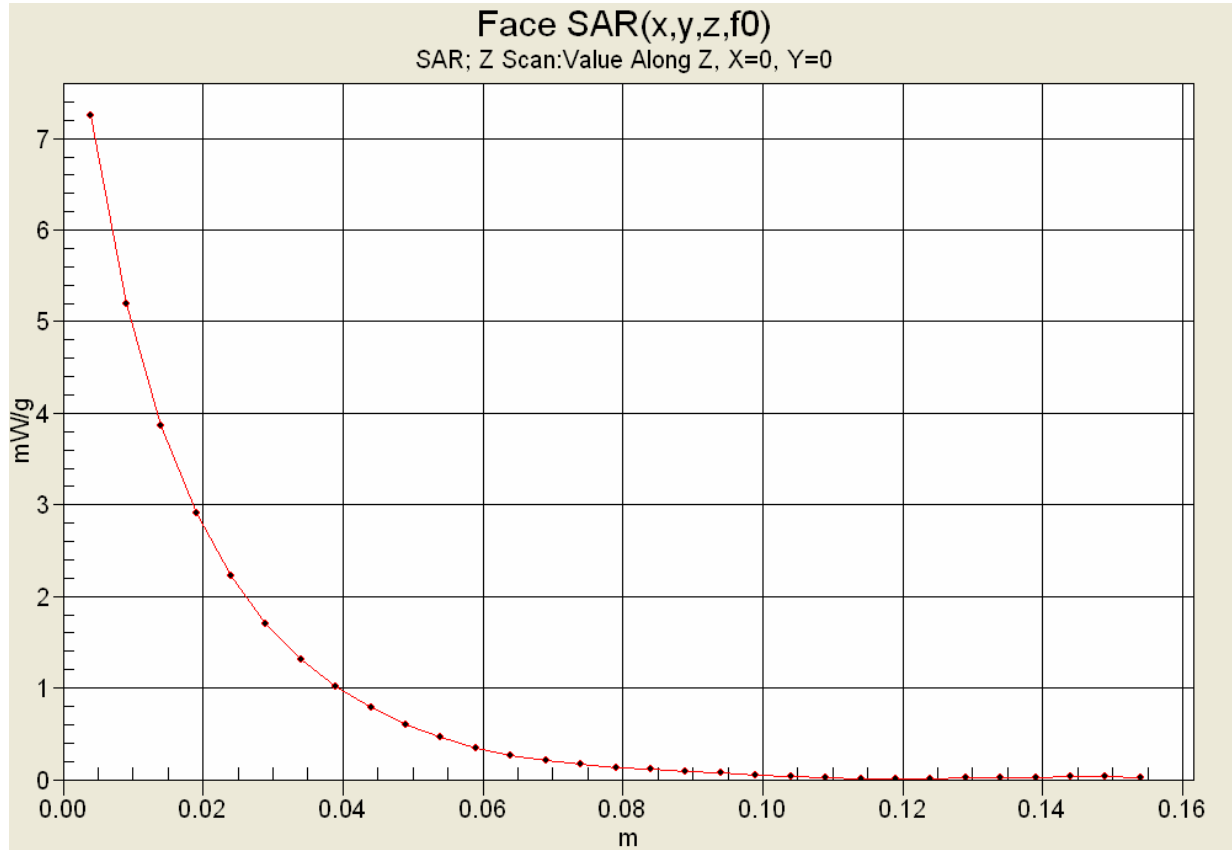
Info: Interpolated medium parameters used for SAR evaluation.



Maximum value of SAR (measured) = 7.46 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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Z-Axis Scan



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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/05/2010

Face-held SAR - Li-ion Battery KNB-57L - High-Band Whip Antenna KRA-27M - 455.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 22.2°C; Fluid Temp: 20.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 44.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.91 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

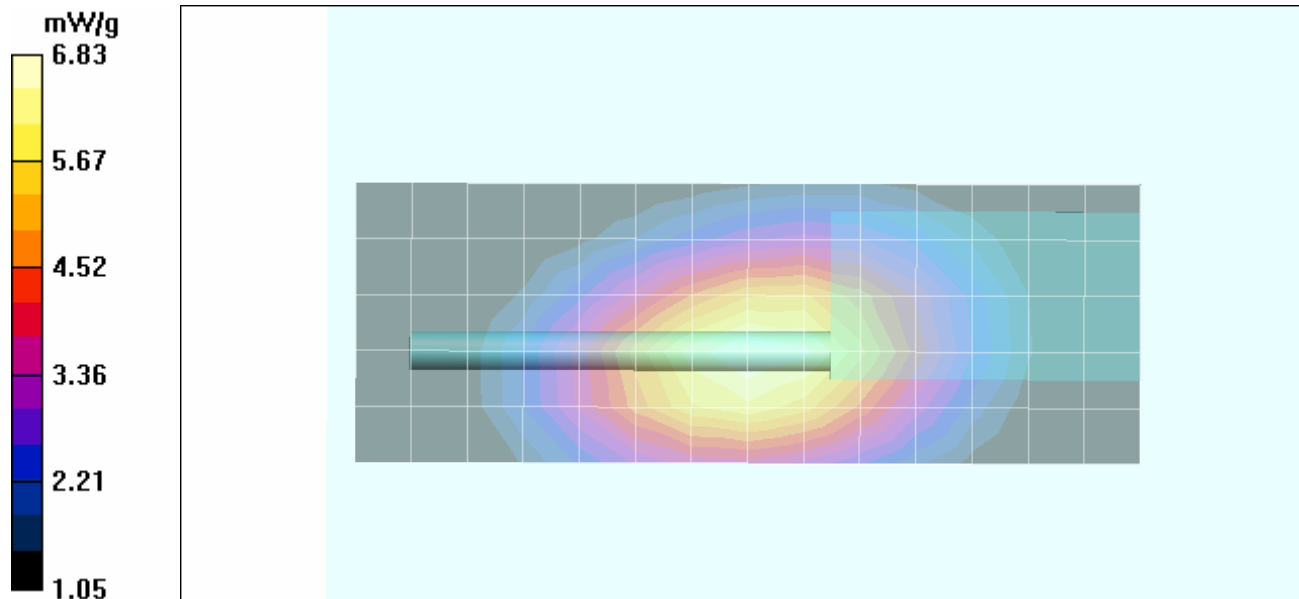
Reference Value = 82.6 V/m; Power Drift = -0.309 dB

Peak SAR (extrapolated) = 9.17 W/kg



SAR(1 g) = 6.55 mW/g; SAR(10 g) = 4.75 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.83 mW/g



Applicant:	Kenwood USA Corporation	Models:	TK-3360-K2, TK-3360-M	FCC ID:	ALH415101	KENWOOD
DUT Type:	Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:	406.1 - 470.0 MHz			
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Date Tested: 02/05/2010

Face-held SAR - Li-ion Battery KNB-55L - Low-Band Stub Antenna KRA-23M3 - 406.1 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 22.2°C; Fluid Temp: 20.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 406.1 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated): $f = 406.1 \text{ MHz}$; $\sigma = 0.84 \text{ mho/m}$; $\epsilon_r = 45.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.73 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

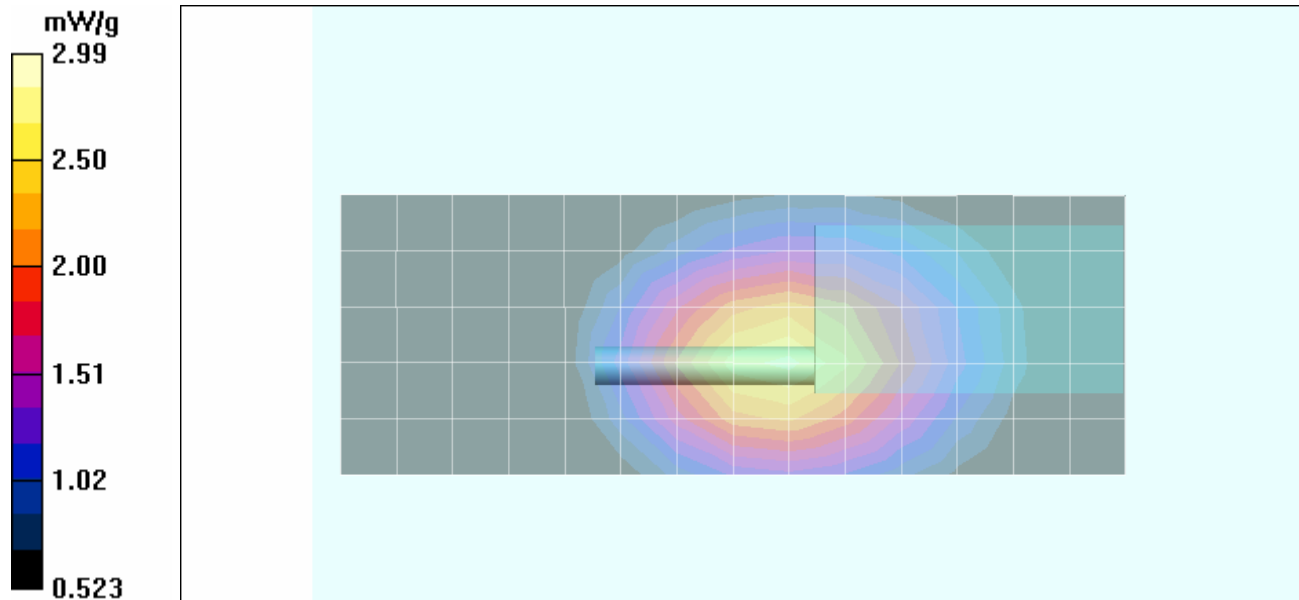
Reference Value = 52.5 V/m; Power Drift = 0.127 dB

Peak SAR (extrapolated) = 3.96 W/kg



SAR(1 g) = 2.86 mW/g; SAR(10 g) = 2.1 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.99 mW/g



Applicant:	Kenwood USA Corporation	Models:	TK-3360-K2, TK-3360-M	FCC ID:	ALH415101	KENWOOD
DUT Type:	Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:	406.1 - 470.0 MHz			
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Date Tested: 02/05/2010

Face-held SAR - Li-ion Battery KNB-55L - Low-Band Whip Antenna KRA-27M3 - 406.1 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 22.2°C; Fluid Temp: 20.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 406.1 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated): $f = 406.1 \text{ MHz}$; $\sigma = 0.84 \text{ mho/m}$; $\epsilon_r = 45.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 4.68 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

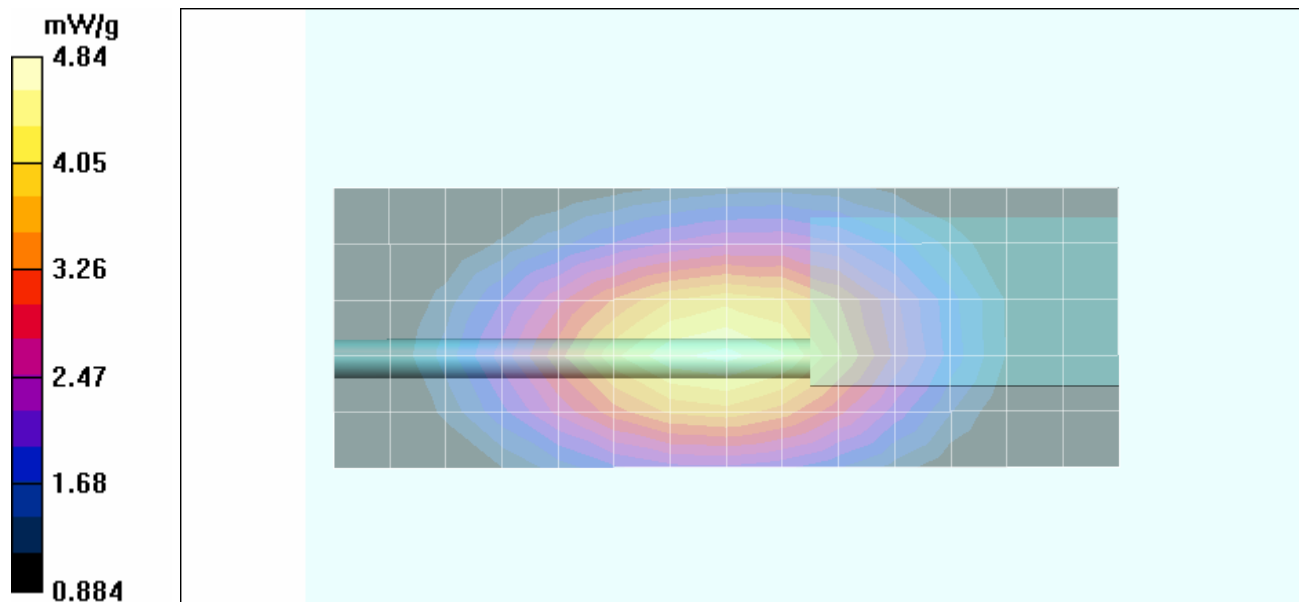
Reference Value = 67.6 V/m; Power Drift = -0.187 dB

Peak SAR (extrapolated) = 6.41 W/kg



SAR(1 g) = 4.64 mW/g; SAR(10 g) = 3.43 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 4.84 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/05/2010

Face-held SAR - Li-ion Battery KNB-55L - Low-Band Stub Antenna KRA-23M3 - 417.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 22.2°C; Fluid Temp: 20.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 417 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated): $f = 417 \text{ MHz}$; $\sigma = 0.85 \text{ mho/m}$; $\epsilon_r = 45.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 4.48 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

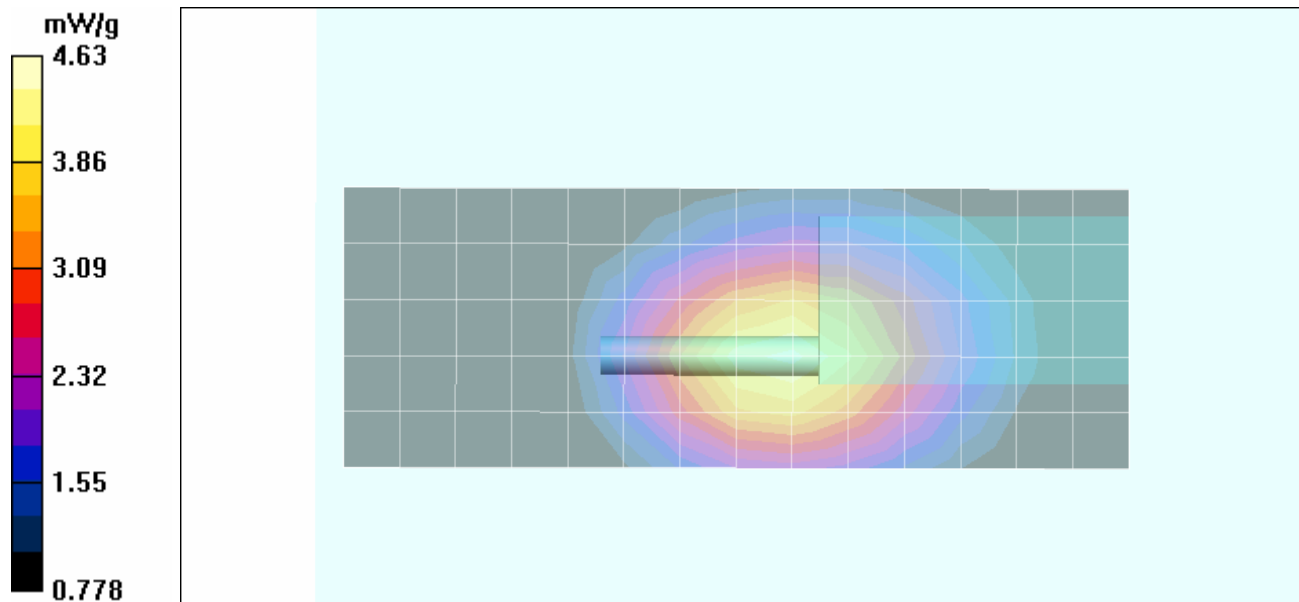
Reference Value = 67.6 V/m; Power Drift = -0.155 dB

Peak SAR (extrapolated) = 6.15 W/kg



SAR(1 g) = 4.4 mW/g; SAR(10 g) = 3.21 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 4.63 mW/g



Applicant:	Kenwood USA Corporation	Models:	TK-3360-K2, TK-3360-M	FCC ID:	ALH415101	KENWOOD
DUT Type:	Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:	406.1 - 470.0 MHz			
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Date Tested: 02/05/2010

Face-held SAR - Li-ion Battery KNB-55L - Low-Band Whip Antenna KRA-27M3 - 417.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 22.2°C; Fluid Temp: 20.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 417 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated): $f = 417 \text{ MHz}$; $\sigma = 0.85 \text{ mho/m}$; $\epsilon_r = 45.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.19 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

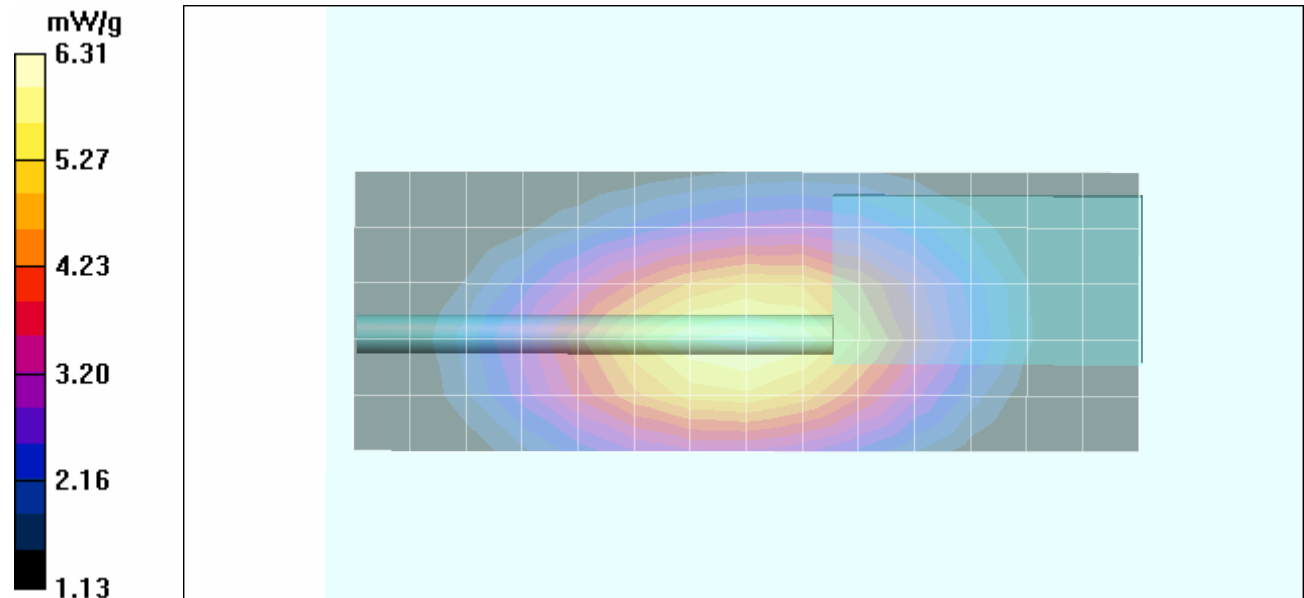
Reference Value = 75.6 V/m; Power Drift = -0.280 dB

Peak SAR (extrapolated) = 8.36 W/kg



SAR(1 g) = 6.04 mW/g; SAR(10 g) = 4.45 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.31 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/05/2010

Face-held SAR - Li-ion Battery KNB-55L - Low-Band Stub Antenna KRA-23M3 - 439.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 22.2°C; Fluid Temp: 20.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 439 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated): $f = 439 \text{ MHz}$; $\sigma = 0.86 \text{ mho/m}$; $\epsilon_r = 44.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 4.07 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

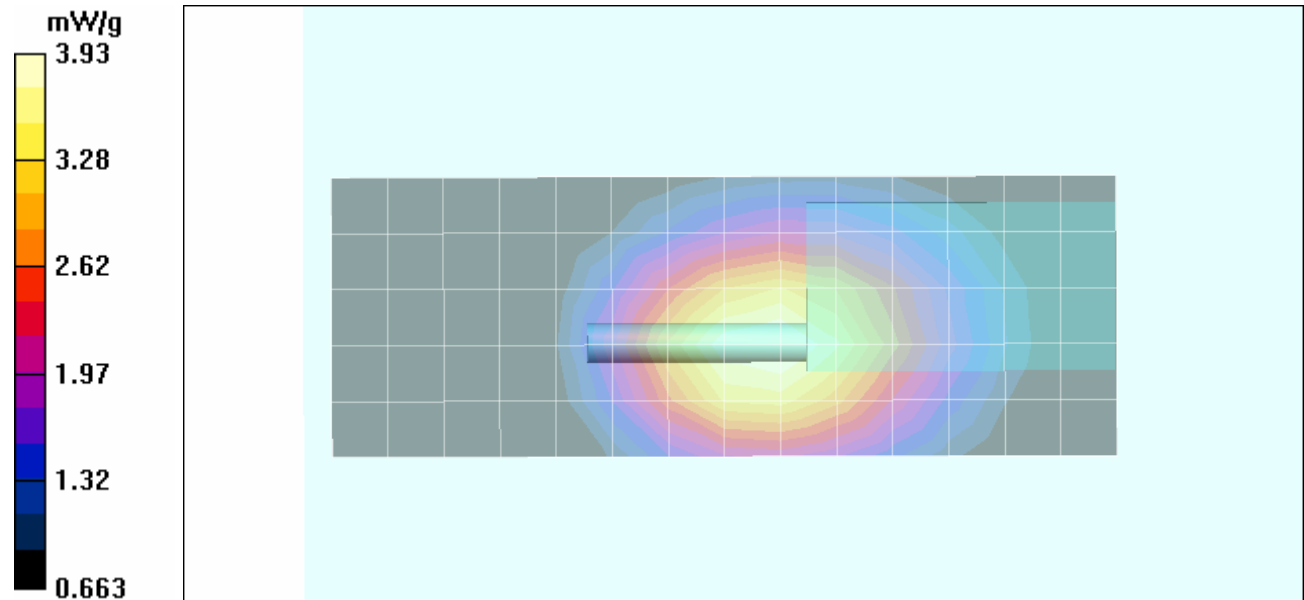
Reference Value = 64.3 V/m; Power Drift = -0.573 dB

Peak SAR (extrapolated) = 5.22 W/kg



SAR(1 g) = 3.75 mW/g; SAR(10 g) = 2.74 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.93 mW/g



Applicant:	Kenwood USA Corporation	Models:	TK-3360-K2, TK-3360-M	FCC ID:	ALH415101	KENWOOD
DUT Type:	Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:	406.1 - 470.0 MHz			
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Date Tested: 02/05/2010

Face-held SAR - Li-ion Battery KNB-55L - Low-Band Whip Antenna KRA-27M3 - 439.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 22.2°C; Fluid Temp: 20.9°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 439 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated): $f = 439 \text{ MHz}$; $\sigma = 0.86 \text{ mho/m}$; $\epsilon_r = 44.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 4.97 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

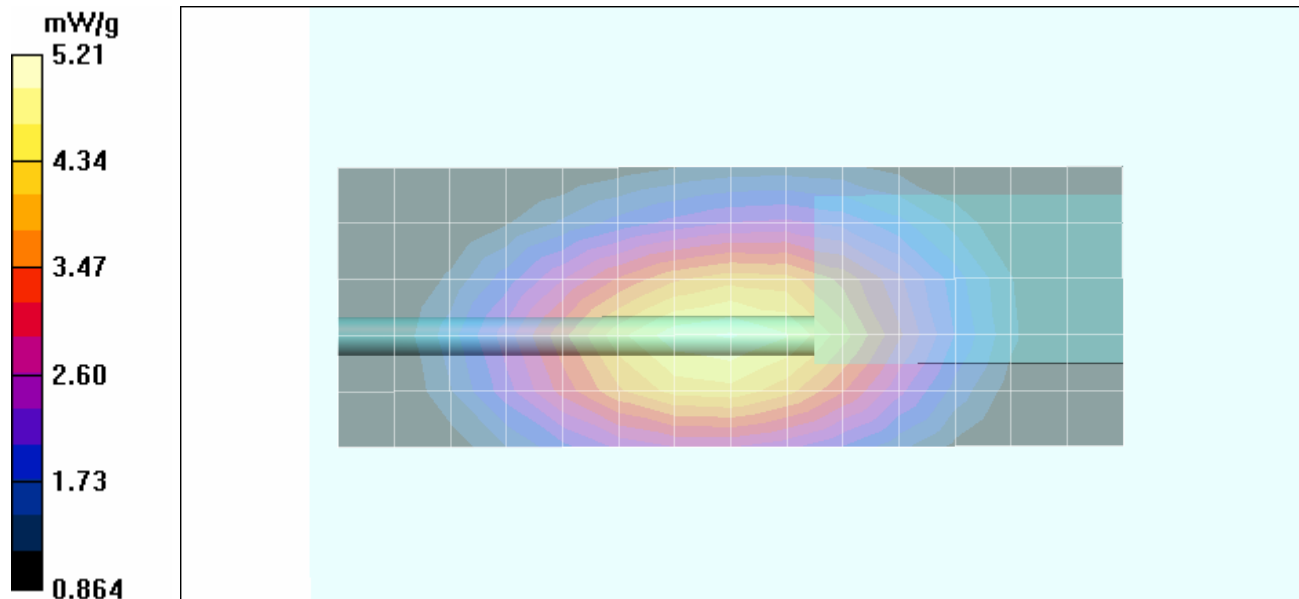
Reference Value = 70.7 V/m; Power Drift = -0.235 dB

Peak SAR (extrapolated) = 6.91 W/kg



SAR(1 g) = 4.96 mW/g; SAR(10 g) = 3.63 mW/g

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 5.21 mW/g



Applicant:	Kenwood USA Corporation	Models:	TK-3360-K2, TK-3360-M	FCC ID:	ALH415101	KENWOOD
DUT Type:	Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:	406.1 - 470.0 MHz			
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/08/2010

Face-held SAR - Li-ion Battery KNB-55L - Low-Band Stub Antenna KRA-23M3 - 450.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 22.8°C; Fluid Temp: 21.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated): $f = 450$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 44.4$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 2.87 mW/g

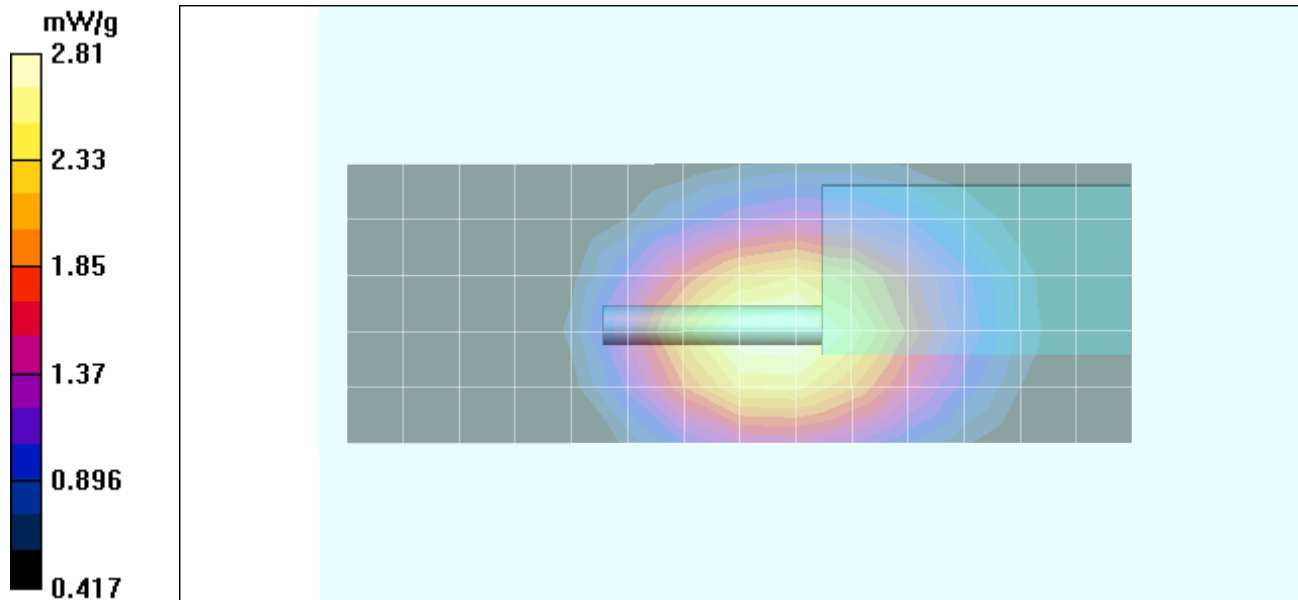
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 54.1 V/m; Power Drift = -0.390 dB



Peak SAR (extrapolated) = 3.75 W/kg

SAR(1 g) = 2.68 mW/g; SAR(10 g) = 1.95 mW/g

Maximum value of SAR (measured) = 2.81 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/08/2010

Face-held SAR - Li-ion Battery KNB-55L - Low-Band Whip Antenna KRA-27M3 - 450.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 22.8°C; Fluid Temp: 21.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 44.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 5.36 mW/g

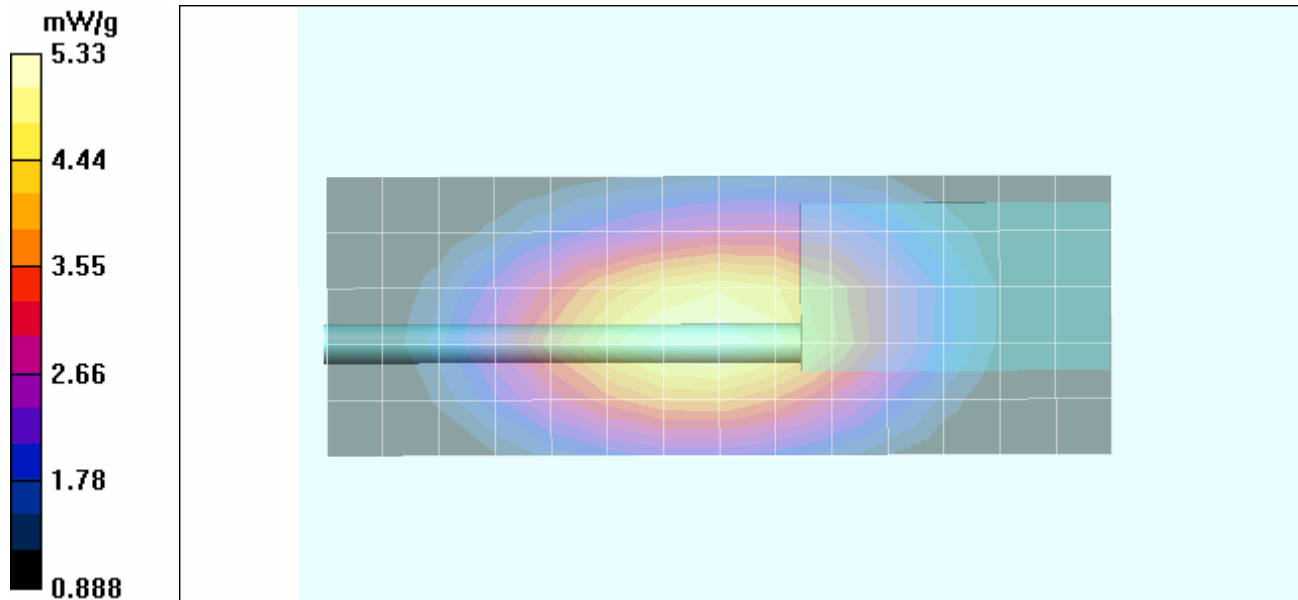
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 70.5 V/m; Power Drift = -0.352 dB



Peak SAR (extrapolated) = 7.00 W/kg

SAR(1 g) = 5.06 mW/g; SAR(10 g) = 3.72 mW/g

Maximum value of SAR (measured) = 5.33 mW/g



Applicant:	Kenwood USA Corporation	Models:	TK-3360-K2, TK-3360-M	FCC ID:	ALH415101	KENWOOD
DUT Type:	Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:		406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/08/2010

Face-held SAR - Li-ion Battery KNB-55L - High-Band Stub Antenna KRA-23M - 440.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 22.8°C; Fluid Temp: 21.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.86 \text{ mho/m}$; $\epsilon_r = 45.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 4.19 mW/g

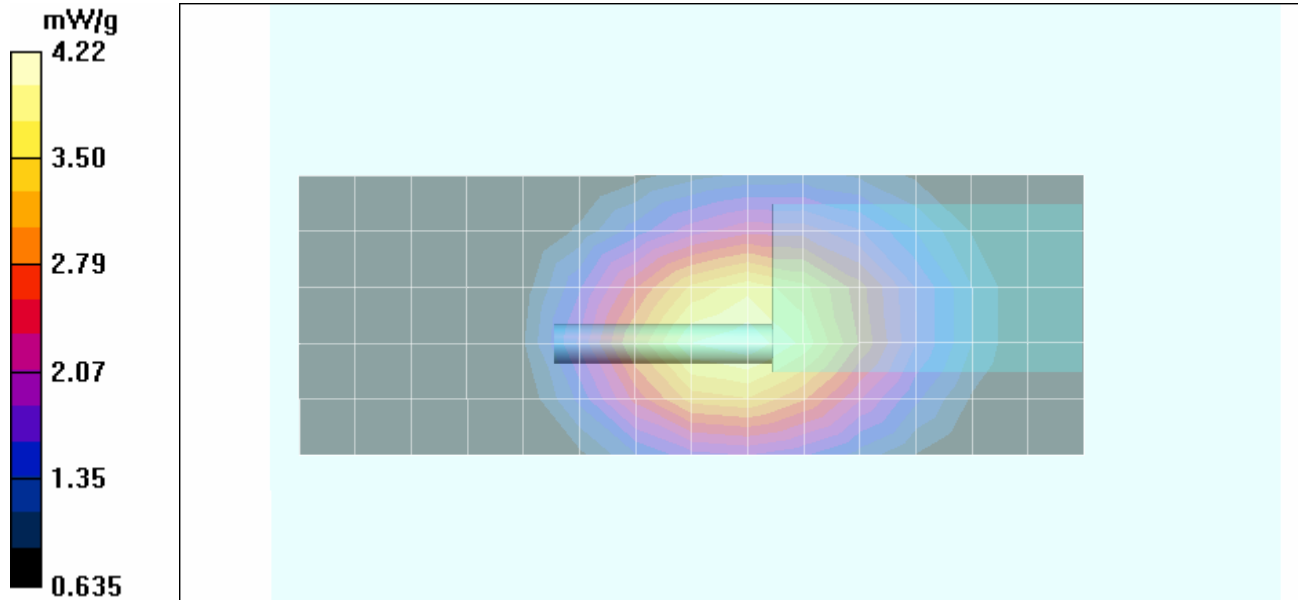
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 65.7 V/m; Power Drift = -0.007 dB



Peak SAR (extrapolated) = 5.61 W/kg

SAR(1 g) = 4.02 mW/g; SAR(10 g) = 2.93 mW/g

Maximum value of SAR (measured) = 4.22 mW/g



Applicant:	Kenwood USA Corporation	Models:	TK-3360-K2, TK-3360-M	FCC ID:	ALH415101	KENWOOD
DUT Type:	Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:		406.1 - 470.0 MHz		
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Date Tested: 02/08/2010

Face-held SAR - Li-ion Battery KNB-55L - High-Band Whip Antenna KRA-27M - 440.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 22.8°C; Fluid Temp: 21.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.86 \text{ mho/m}$; $\epsilon_r = 45.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 4.60 mW/g

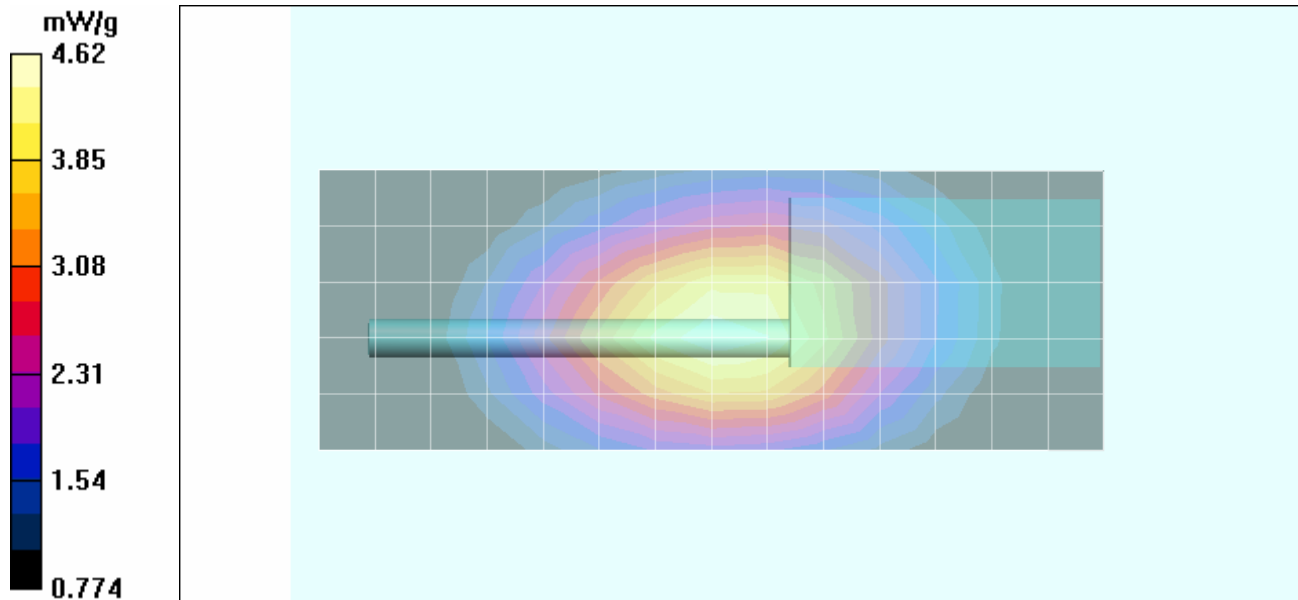
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 68.8 V/m; Power Drift = -0.096 dB



Peak SAR (extrapolated) = 6.07 W/kg

SAR(1 g) = 4.41 mW/g; SAR(10 g) = 3.25 mW/g

Maximum value of SAR (measured) = 4.62 mW/g



Applicant:	Kenwood USA Corporation	Models:	TK-3360-K2, TK-3360-M	FCC ID:	ALH415101	KENWOOD
DUT Type:	Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:	406.1 - 470.0 MHz			
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Date Tested: 02/08/2010

Face-held SAR - Li-ion Battery KNB-55L - High-Band Stub Antenna KRA-23M - 470.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 22.8°C; Fluid Temp: 21.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 44.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 5.62 mW/g

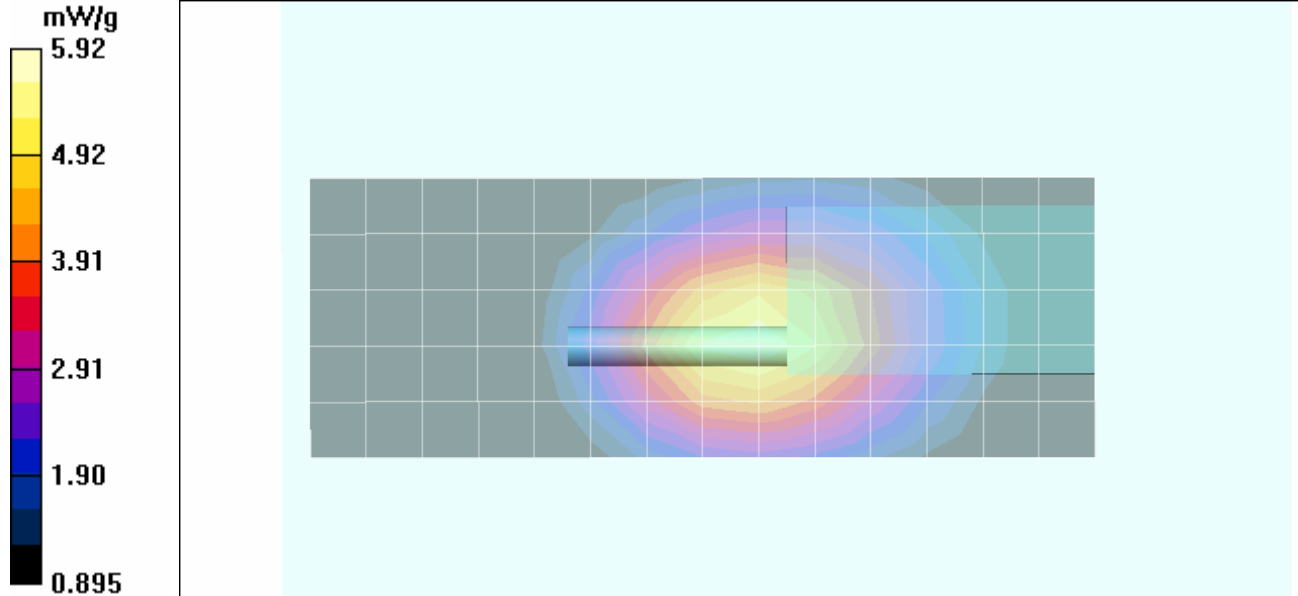
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 79.0 V/m; Power Drift = -0.373 dB



Peak SAR (extrapolated) = 7.84 W/kg

SAR(1 g) = 5.63 mW/g; SAR(10 g) = 4.09 mW/g

Maximum value of SAR (measured) = 5.92 mW/g



Applicant:	Kenwood USA Corporation	Models:	TK-3360-K2, TK-3360-M	FCC ID:	ALH415101	KENWOOD
DUT Type:	Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:	406.1 - 470.0 MHz			
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Date Tested: 02/08/2010

Face-held SAR - Li-ion Battery KNB-55L - High-Band Whip Antenna KRA-27M - 470.0 MHz

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Ambient Temp: 22.8°C; Fluid Temp: 21.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 44.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- 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

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 5.78 mW/g

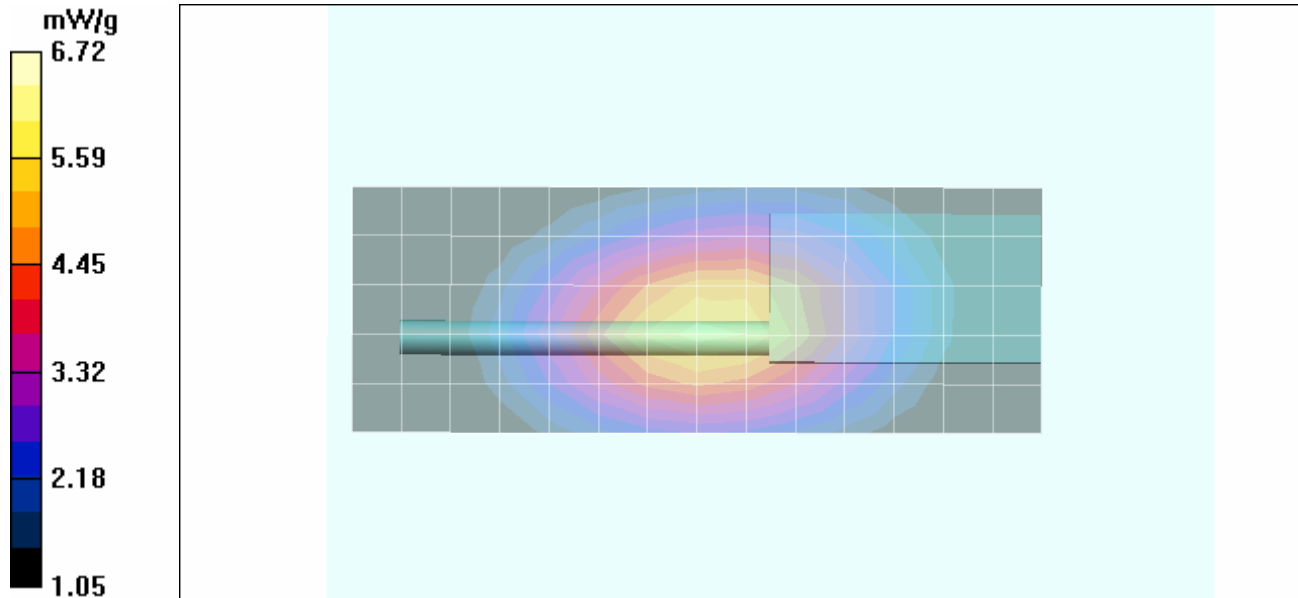
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 79.4 V/m; Power Drift = -0.354 dB

Peak SAR (extrapolated) = 8.85 W/kg

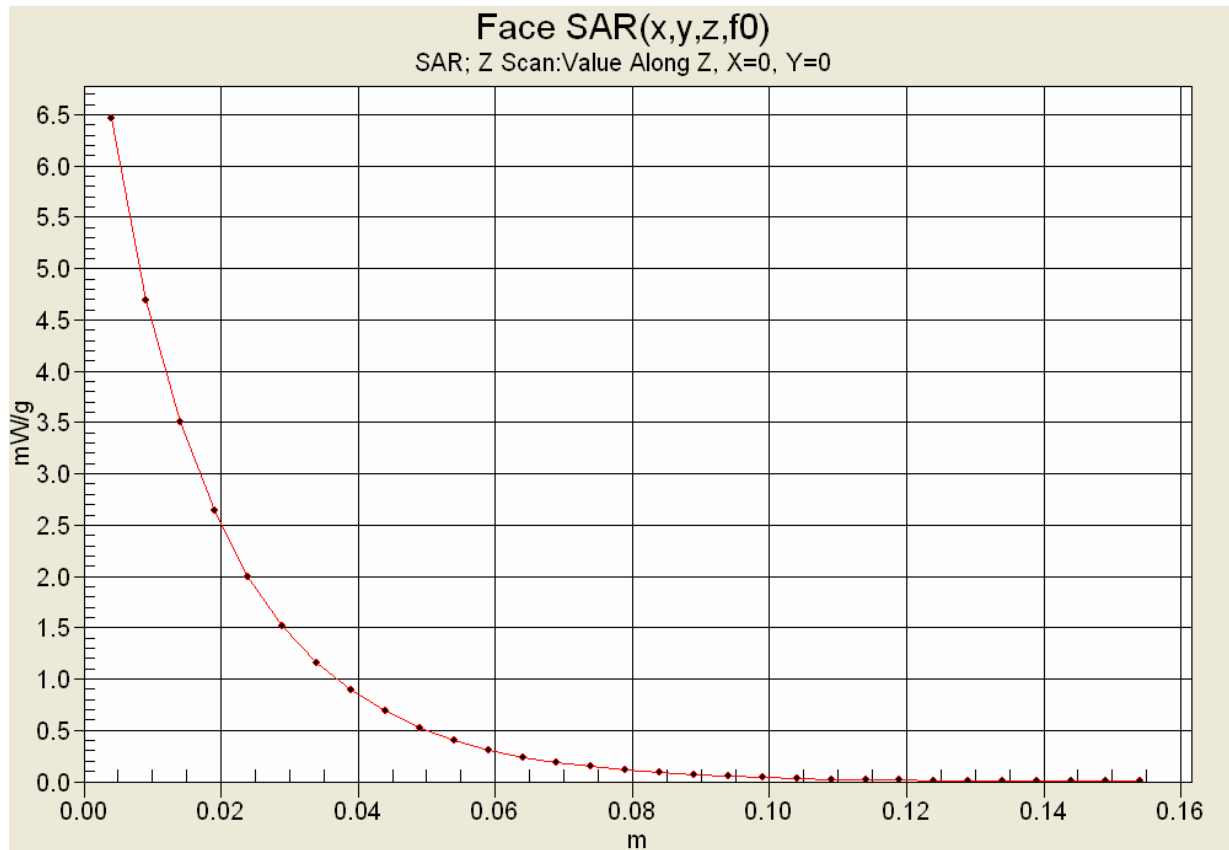
SAR(1 g) = 6.4 mW/g; SAR(10 g) = 4.67 mW/g



Maximum value of SAR (measured) = 6.72 mW/g



Applicant:	Kenwood USA Corporation	Models:	TK-3360-K2, TK-3360-M	FCC ID:	ALH415101	KENWOOD
DUT Type:	Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:	406.1 - 470.0 MHz			
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Z-Axis Scan



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Date Tested: 02/08/2010

Body-worn SAR - Ni-MH Battery KNB-56N - Low-Band Stub Antenna KRA-23M3 - 417.0 MHz

Baseline Evaluation without accessories

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: None; Audio Accessory: None

Ambient Temp: 23.5°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 417 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 417 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 56.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Air-Gap Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 8.24 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

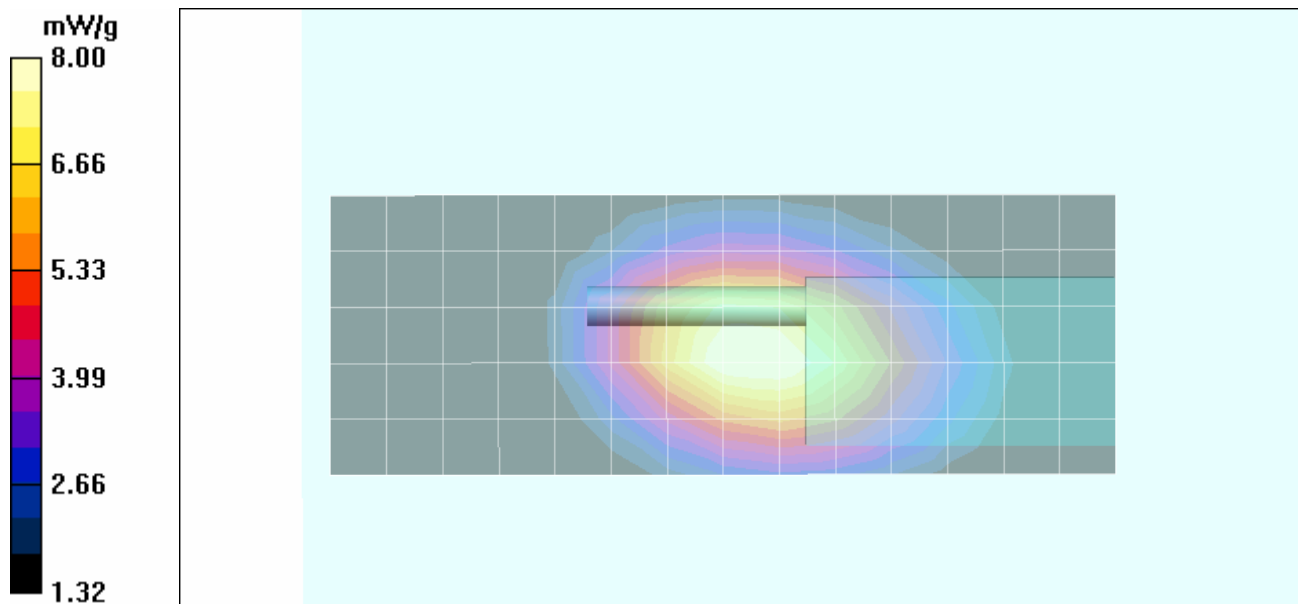
Reference Value = 91.6 V/m; Power Drift = -0.184 dB

Peak SAR (extrapolated) = 10.7 W/kg



SAR(1 g) = 7.66 mW/g; SAR(10 g) = 5.63 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 8.00 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/08/2010

Body-worn SAR - Ni-MH Battery KNB-56N - Low-Band Whip Antenna KRA-27M3 - 417.0 MHz

Baseline Evaluation without accessories

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: None; Audio Accessory: None

Ambient Temp: 23.5°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 417 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 417 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 56.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Air-Gap Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 8.19 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

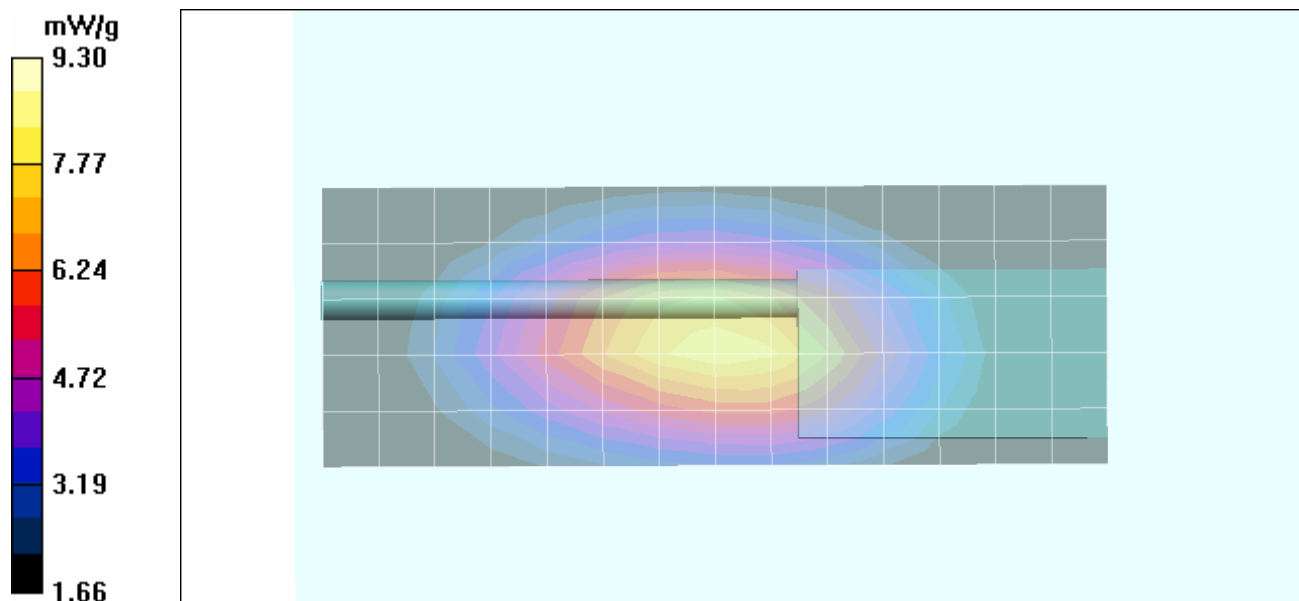
Reference Value = 97.7 V/m; Power Drift = -0.308 dB

Peak SAR (extrapolated) = 12.4 W/kg



SAR(1 g) = 8.89 mW/g; SAR(10 g) = 6.58 mW/g

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 9.30 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:	406.1 - 470.0 MHz	
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Date Tested: 02/08/2010

Body-worn SAR - Ni-MH Battery KNB-56N - Low-Band Stub Antenna KRA-23M3 - 439.0 MHz

Baseline Evaluation without accessories

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: None; Audio Accessory: None

Ambient Temp: 23.5°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 439 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 439 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 56.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Air-Gap Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.13 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

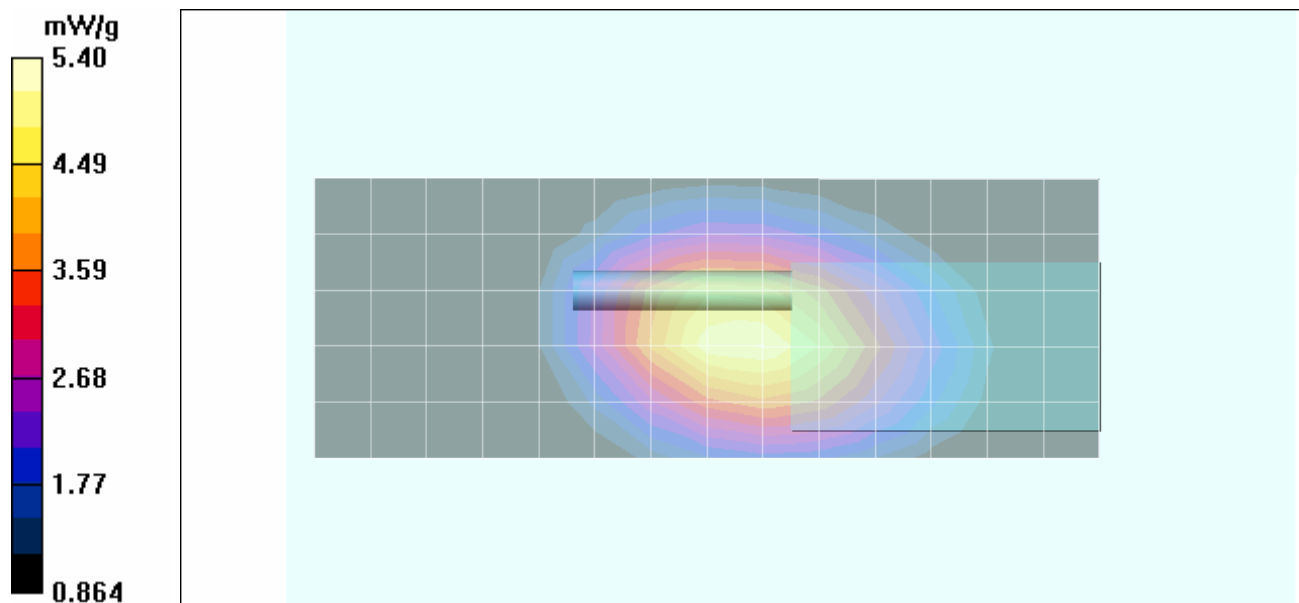
Reference Value = 78.6 V/m; Power Drift = -0.626 dB

Peak SAR (extrapolated) = 7.18 W/kg



SAR(1 g) = 5.18 mW/g; SAR(10 g) = 3.83 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.40 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/02/2010

Body-worn SAR - Ni-MH Battery KNB-56N - Low-Band Whip Antenna KRA-27M3 - 439.0 MHz

Baseline Evaluation without accessories

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: None; Audio Accessory: None

Ambient Temp: 23.8°C; Fluid Temp: 22.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 439 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 439 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 57.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Air-Gap Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 9.32 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

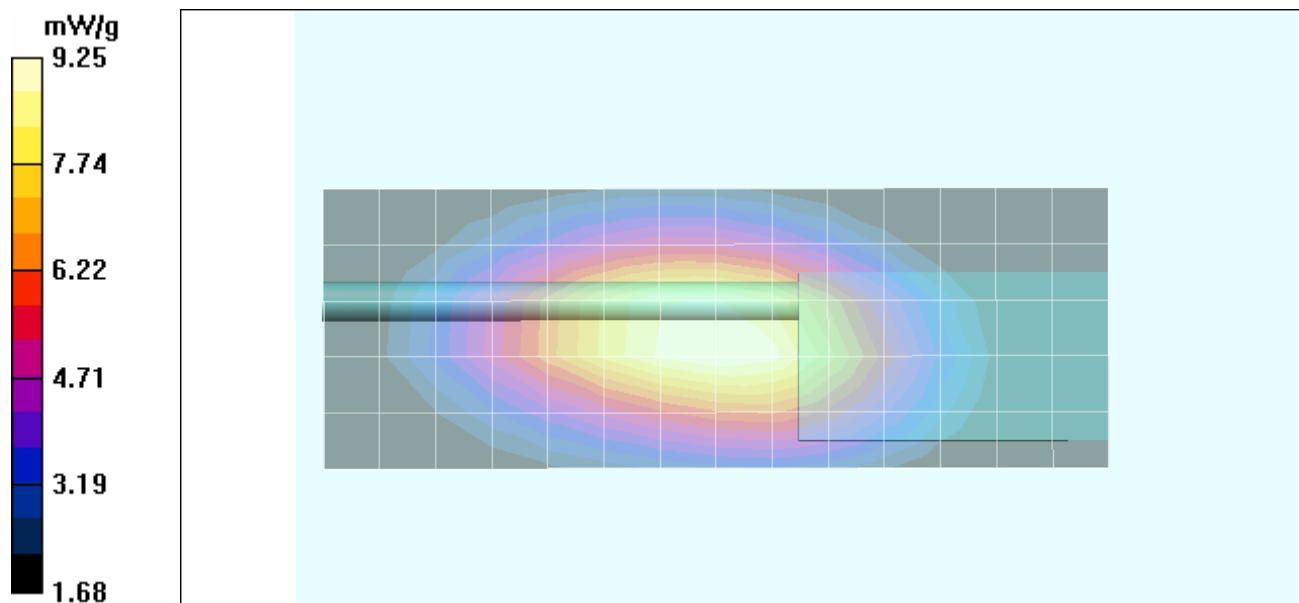
Reference Value = 98.3 V/m; Power Drift = -0.420 dB

Peak SAR (extrapolated) = 12.3 W/kg



SAR(1 g) = 8.83 mW/g; SAR(10 g) = 6.54 mW/g

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 9.25 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Date(s) of Evaluation</u> February 02-08, 2010	<u>Test Report Serial No.</u> 020210ALH-T1001-S90U	<u>Test Report Revision No.</u> Rev. 1.1 (2nd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/02/2010

Body-worn SAR - Ni-MH Battery KNB-56N - High-Band Stub Antenna KRA-23M - 455.0 MHz

Baseline Evaluation without accessories

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: None; Audio Accessory: None

Ambient Temp: 23.8°C; Fluid Temp: 22.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 57.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Air-Gap Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 10.2 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

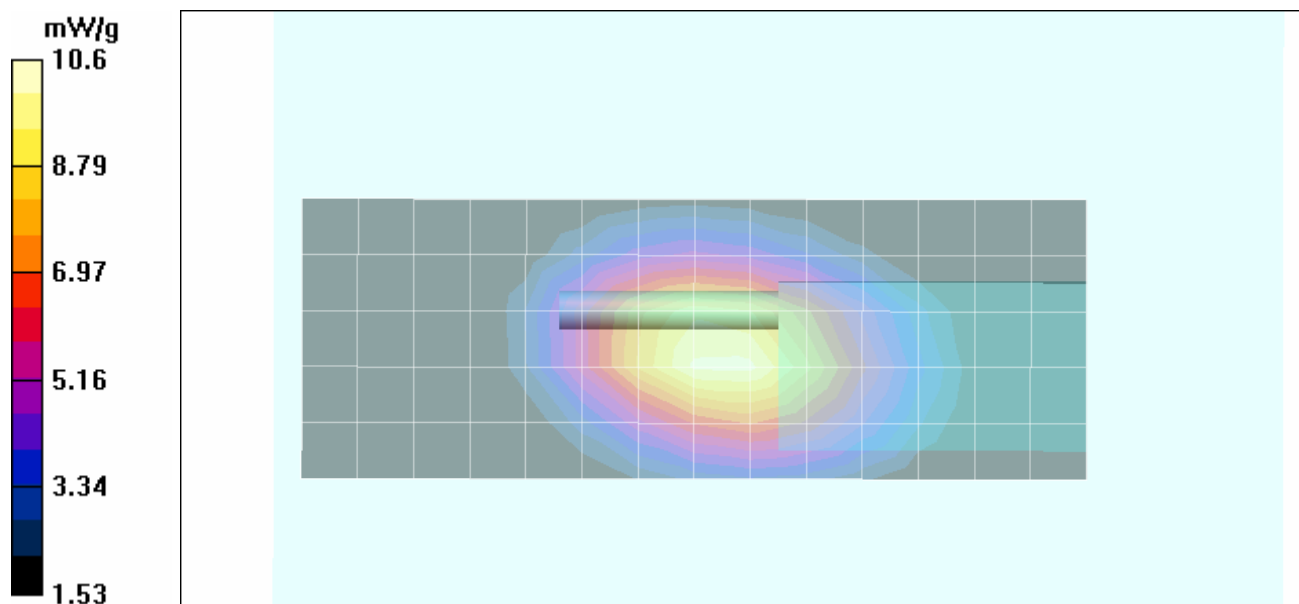
Reference Value = 107.1 V/m; Power Drift = -0.682 dB

Peak SAR (extrapolated) = 14.3 W/kg



SAR(1 g) = 10.1 mW/g; SAR(10 g) = 7.36 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 10.6 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/02/2010

Body-worn SAR - Ni-MH Battery KNB-56N - High-Band Whip Antenna KRA-27M - 455.0 MHz

Baseline Evaluation without accessories

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: None; Audio Accessory: None

Ambient Temp: 23.8°C; Fluid Temp: 22.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 57.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Air-Gap Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 10.9 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

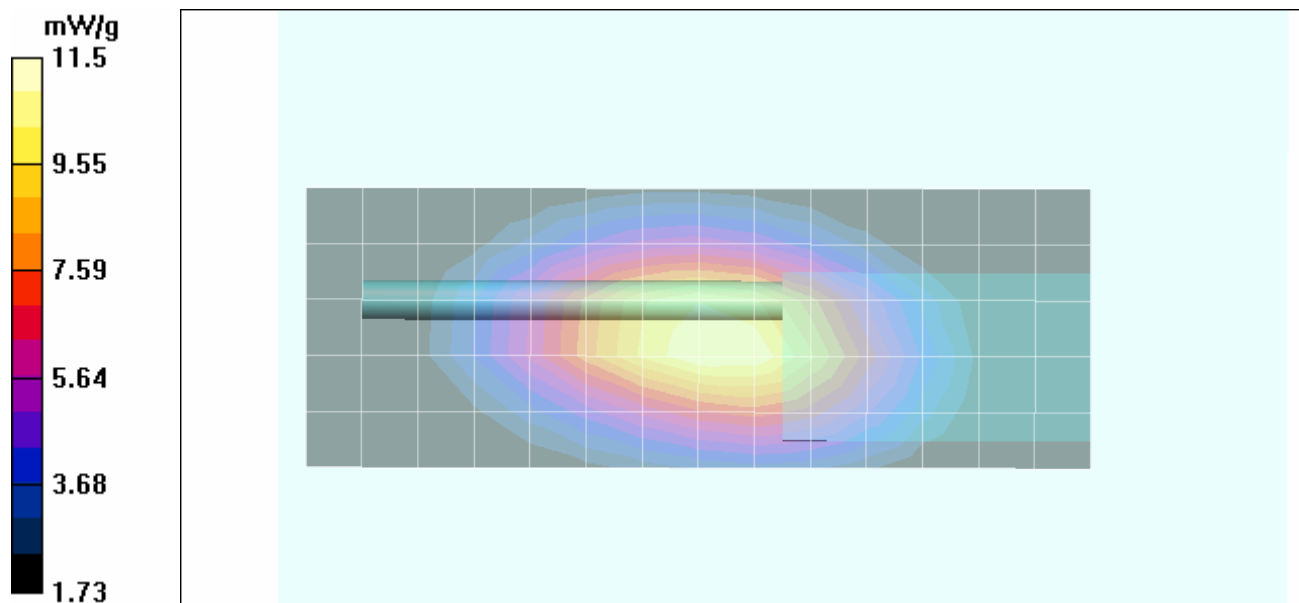
Reference Value = 108.1 V/m; Power Drift = -0.586 dB

Peak SAR (extrapolated) = 15.3 W/kg

SAR(1 g) = 11 mW/g; SAR(10 g) = 8.08 mW/g

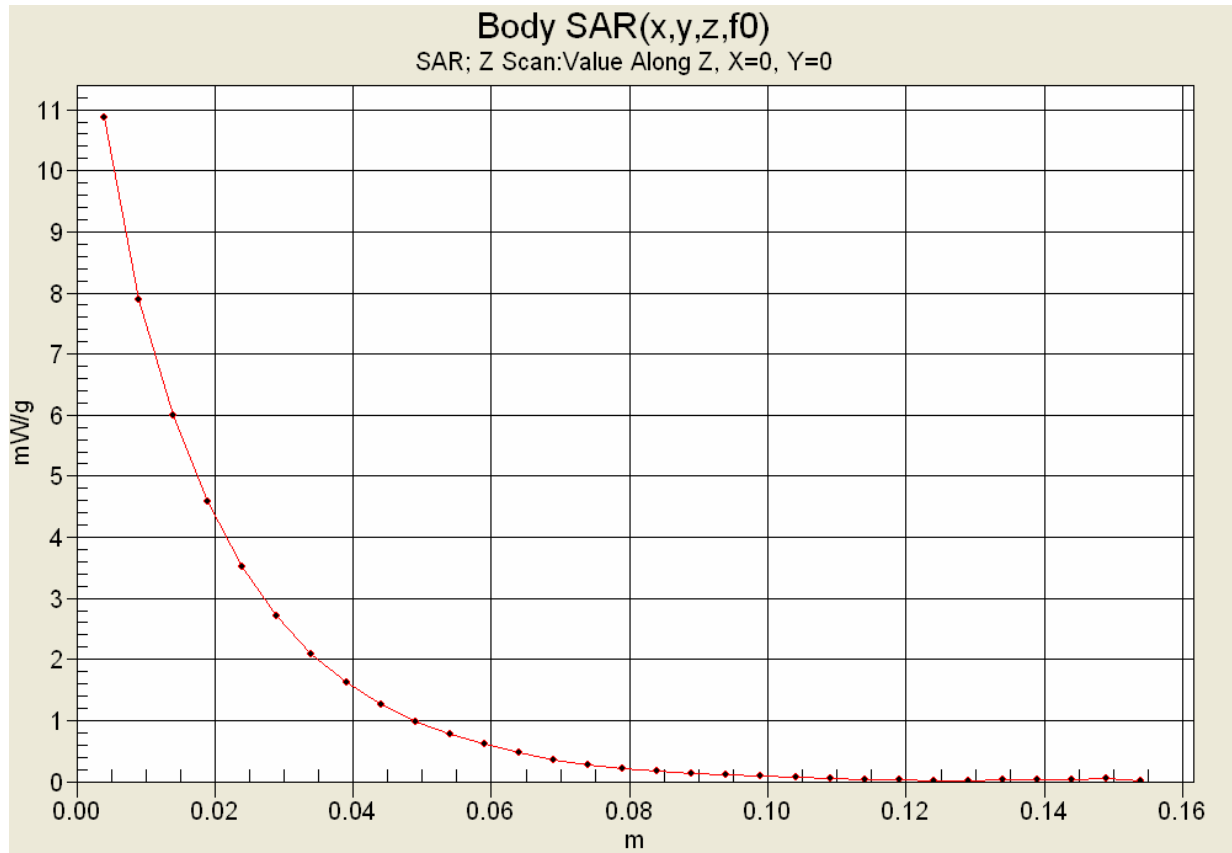
Info: Interpolated medium parameters used for SAR evaluation.



Maximum value of SAR (measured) = 11.5 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:	406.1 - 470.0 MHz	
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Z-Axis Scan



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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/08/2010

Body-worn SAR - Ni-MH Battery KNB-56N - Low-Band Stub Antenna KRA-23M3 - 417.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Speaker-Microphone P/N: KMC-45

Ambient Temp: 23.5°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 417 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 417 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 56.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 7.87 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

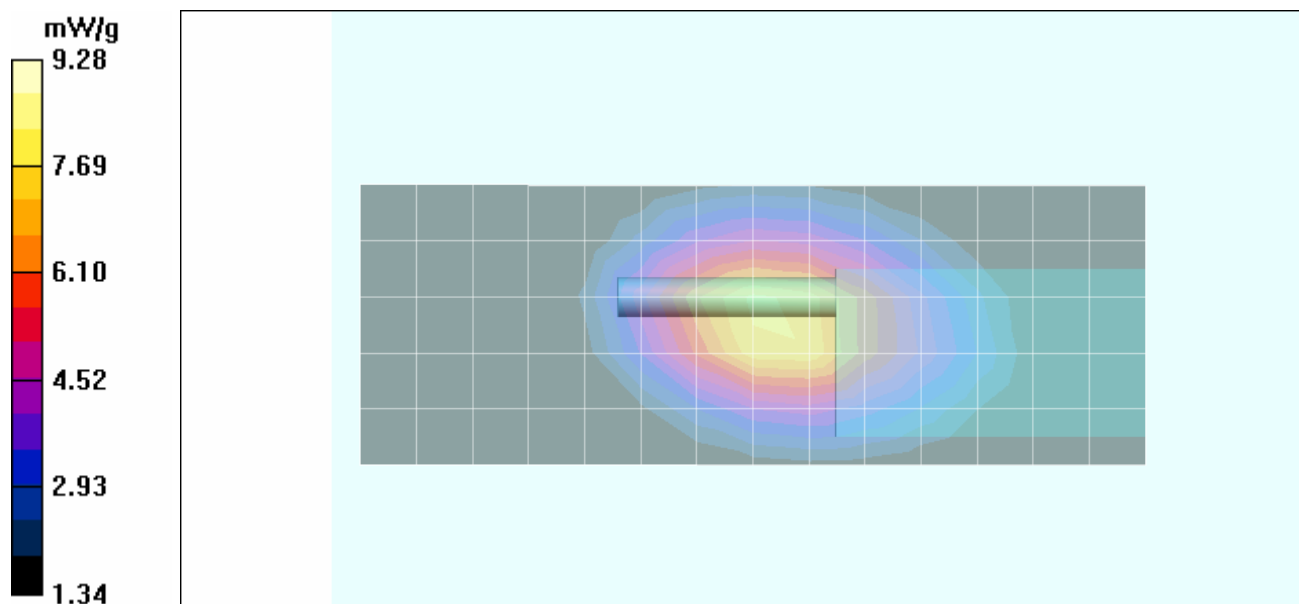
Reference Value = 93.5 V/m; Power Drift = -0.477 dB

Peak SAR (extrapolated) = 12.8 W/kg



SAR(1 g) = 8.8 mW/g; SAR(10 g) = 6.31 mW/g

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 9.28 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:	406.1 - 470.0 MHz	
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/08/2010

Body-worn SAR - Ni-MH Battery KNB-56N - Low-Band Stub Antenna KRA-23M3 - 417.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 417 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 417$ MHz; $\sigma = 0.92$ mho/m; $\epsilon_r = 56.9$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 8.77 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

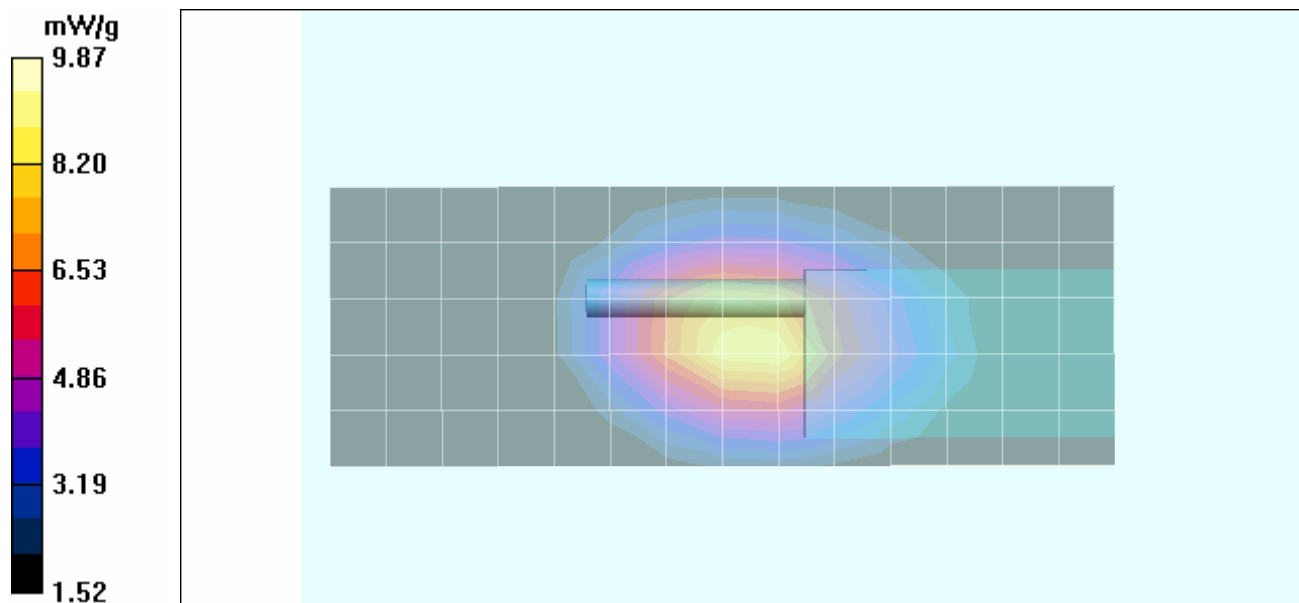
Reference Value = 96.4 V/m; Power Drift = -0.440 dB

Peak SAR (extrapolated) = 13.5 W/kg



SAR(1 g) = 9.41 mW/g; SAR(10 g) = 6.78 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.87 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/08/2010

Body-worn SAR - Li-ion Battery KNB-55L - Low-Band Stub Antenna KRA-23M3 - 417.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 417 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 417 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 56.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.5 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 8.97 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

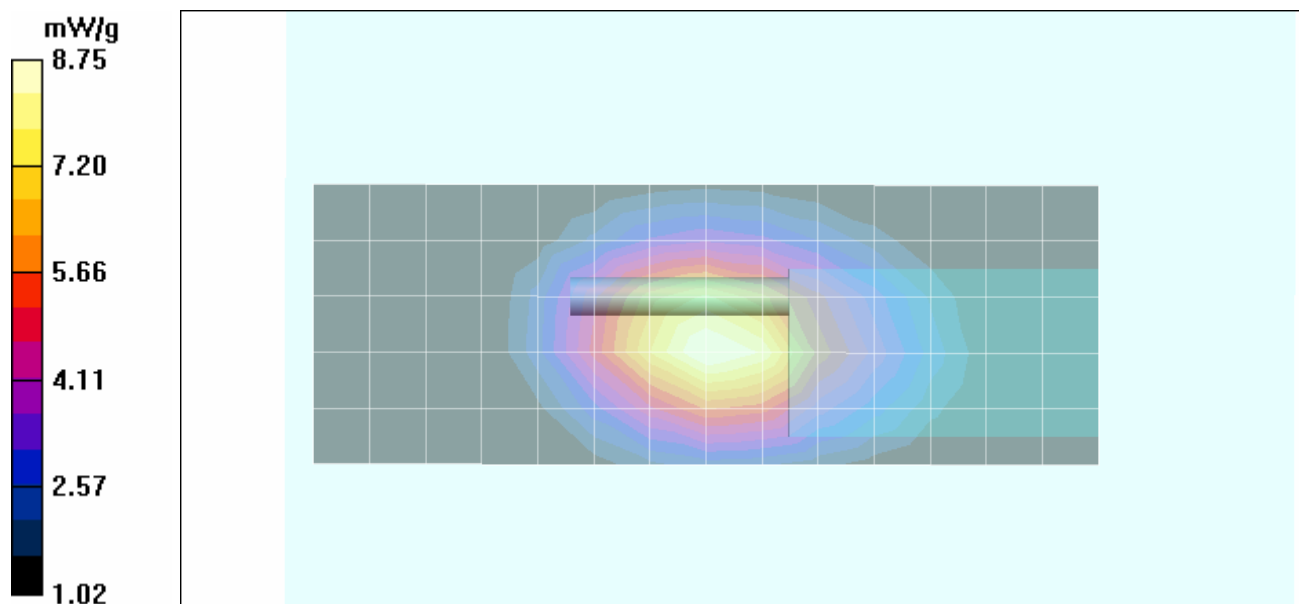
Reference Value = 92.9 V/m; Power Drift = -0.219 dB

Peak SAR (extrapolated) = 12.2 W/kg



SAR(1 g) = 8.29 mW/g; SAR(10 g) = 5.8 mW/g

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 8.75 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/08/2010

Body-worn SAR - Li-ion Battery KNB-57L - Low-Band Stub Antenna KRA-23M3 - 417.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 417 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 417 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 56.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.3 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.97 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

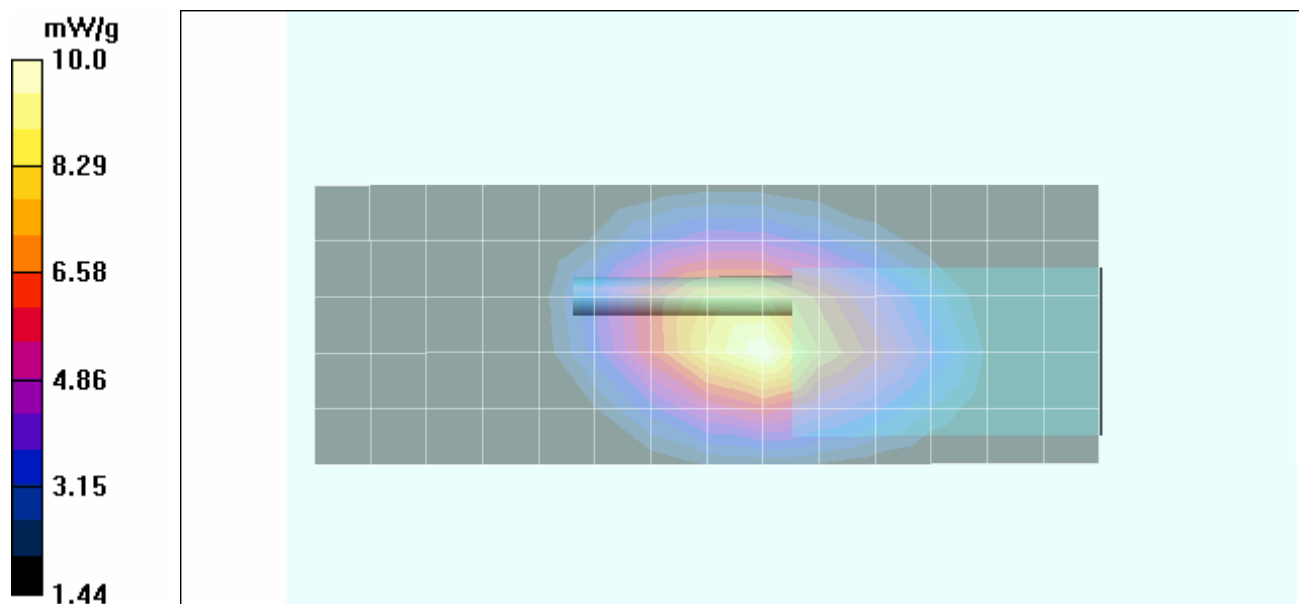
Reference Value = 99.3 V/m; Power Drift = -0.158 dB

Peak SAR (extrapolated) = 14.2 W/kg



SAR(1 g) = 9.53 mW/g; SAR(10 g) = 6.74 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 10.0 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/08/2010

Body-worn SAR - Ni-MH Battery KNB-56N - Low-Band Whip Antenna KRA-27M3 - 417.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Speaker-Microphone P/N: KMC-45

Ambient Temp: 23.5°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 417 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 417 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 56.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 10.3 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

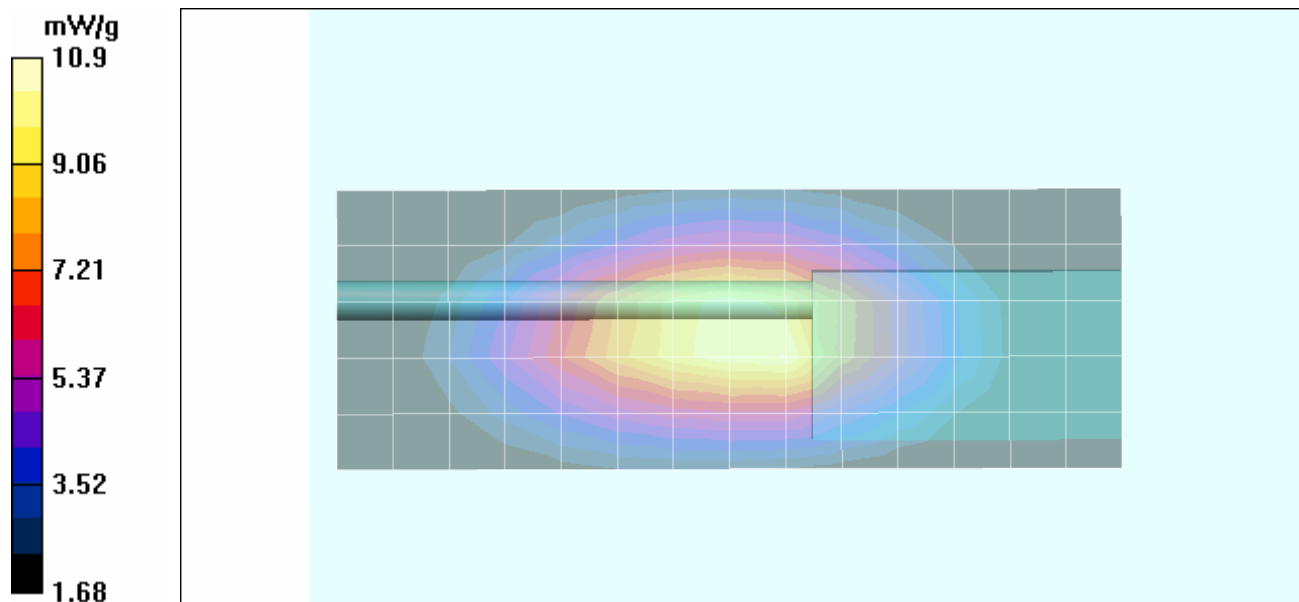
Reference Value = 106.7 V/m; Power Drift = -0.217 dB

Peak SAR (extrapolated) = 14.9 W/kg

SAR(1 g) = 10.3 mW/g; SAR(10 g) = 7.53 mW/g

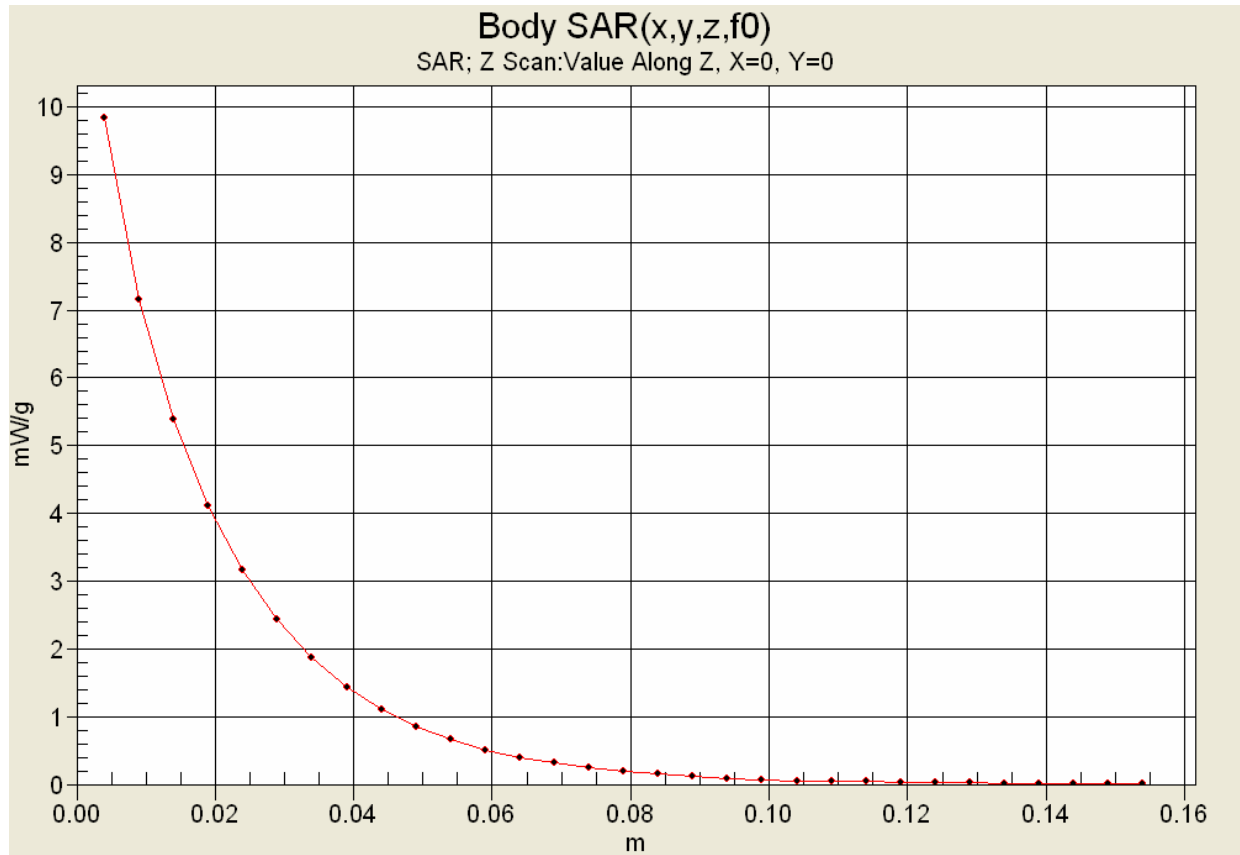
Info: [Interpolated medium parameters used for SAR evaluation.](#)



Maximum value of SAR (measured) = 10.9 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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Z-Axis Scan



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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/08/2010

Body-worn SAR - Ni-MH Battery KNB-56N - Low-Band Whip Antenna KRA-27M3 - 417.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 417 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 417 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 56.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 11.1 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

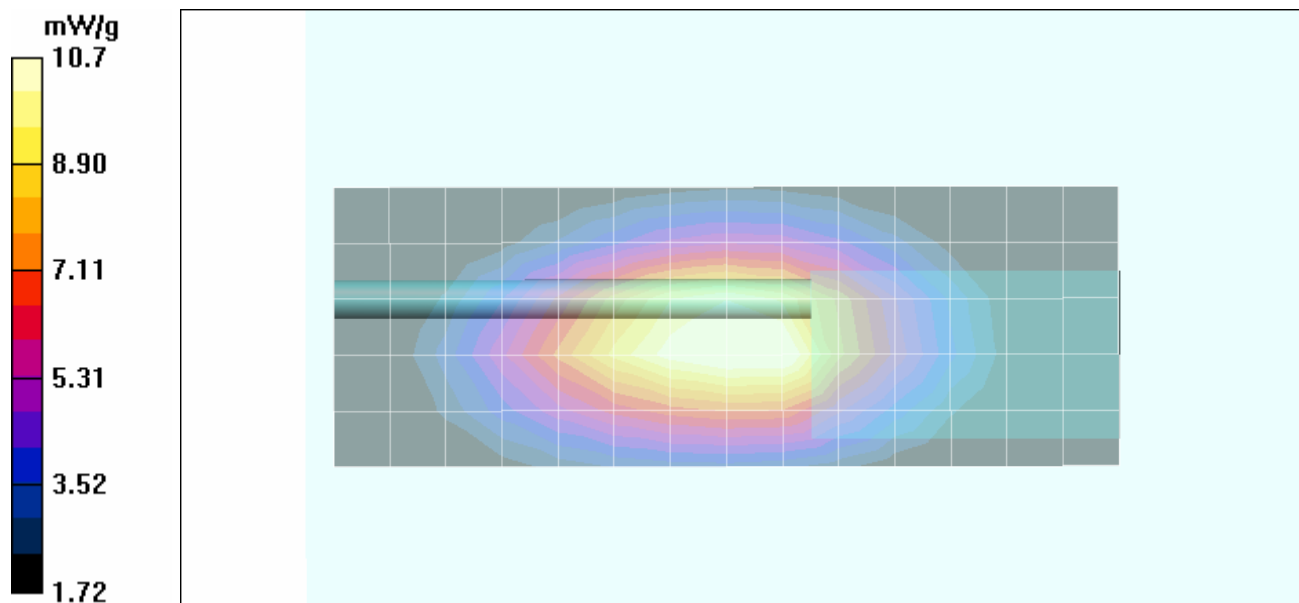
Reference Value = 108.1 V/m; Power Drift = -0.495 dB

Peak SAR (extrapolated) = 14.7 W/kg



SAR(1 g) = 10.3 mW/g; SAR(10 g) = 7.53 mW/g

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 10.7 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/08/2010

Body-worn SAR - Li-ion Battery KNB-55L - Low-Band Whip Antenna KRA-27M3 - 417.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 417 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 417 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 56.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.5 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.91 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

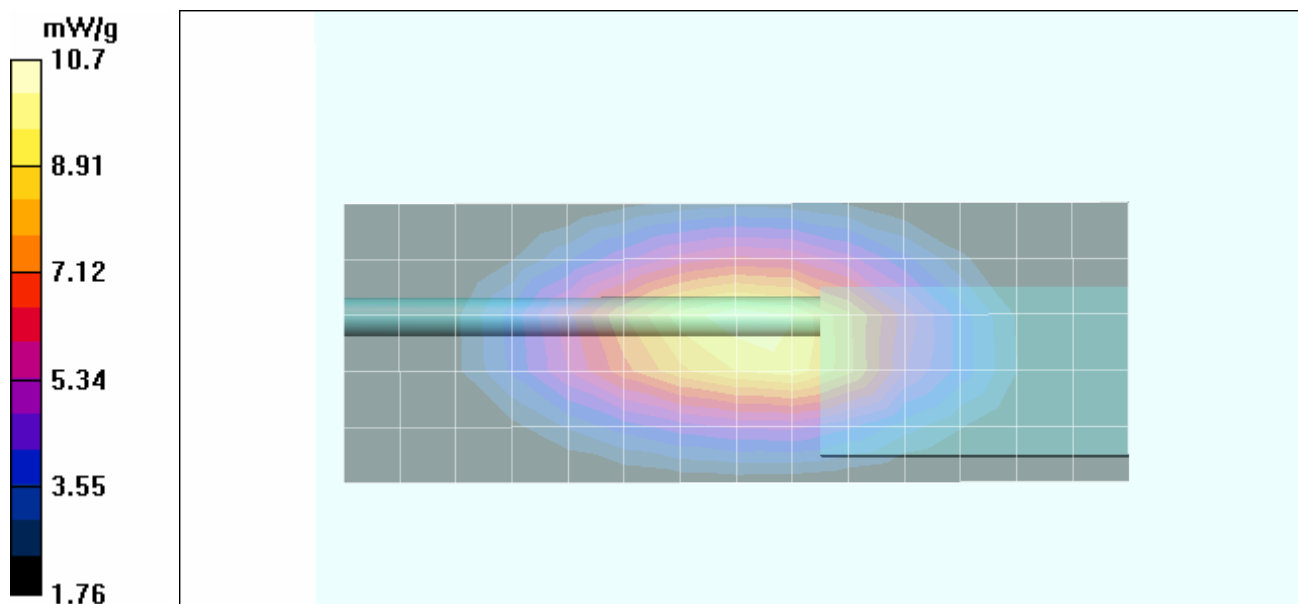
Reference Value = 105.4 V/m; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 14.2 W/kg



SAR(1 g) = 10.2 mW/g; SAR(10 g) = 7.47 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 10.7 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/08/2010

Body-worn SAR - Li-ion Battery KNB-57L - Low-Band Whip Antenna KRA-27M3 - 417.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 417 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 417 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 56.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.3 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 10.6 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

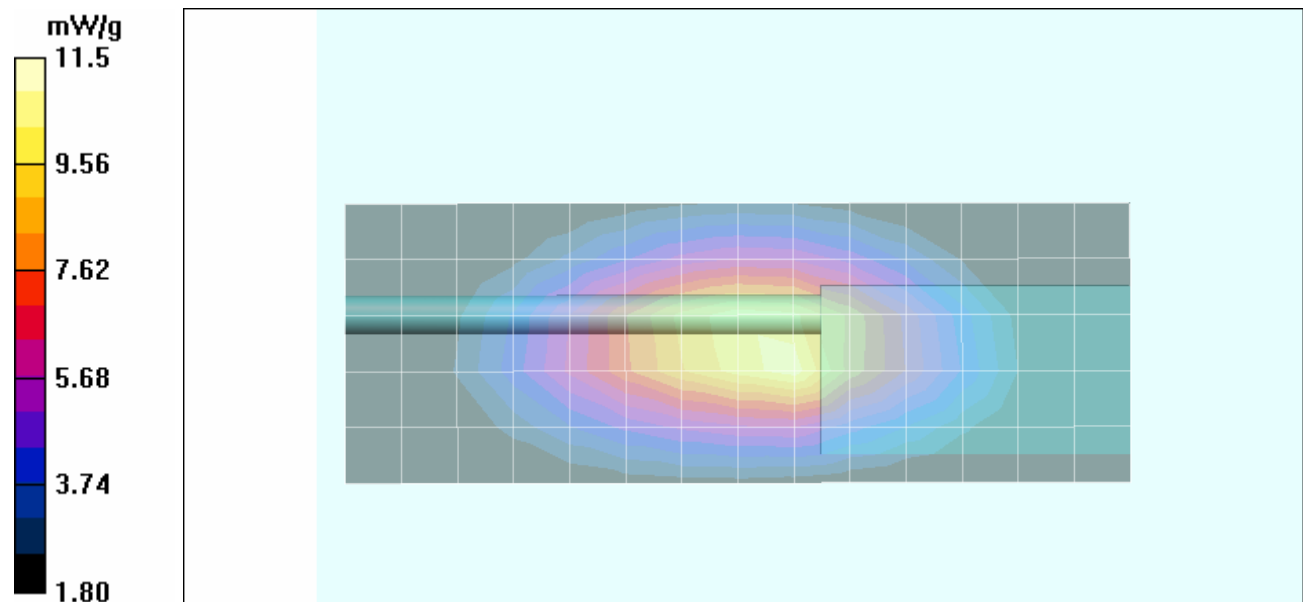
Reference Value = 109.5 V/m; Power Drift = -0.293 dB

Peak SAR (extrapolated) = 16.2 W/kg



SAR(1 g) = 11 mW/g; SAR(10 g) = 8.03 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 11.5 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/08/2010

Body-worn SAR - Ni-MH Battery KNB-56N - Low-Band Stub Antenna KRA-23M3 - 439.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Speaker-Microphone P/N: KMC-45

Ambient Temp: 23.5°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 439 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 439 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 56.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.22 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

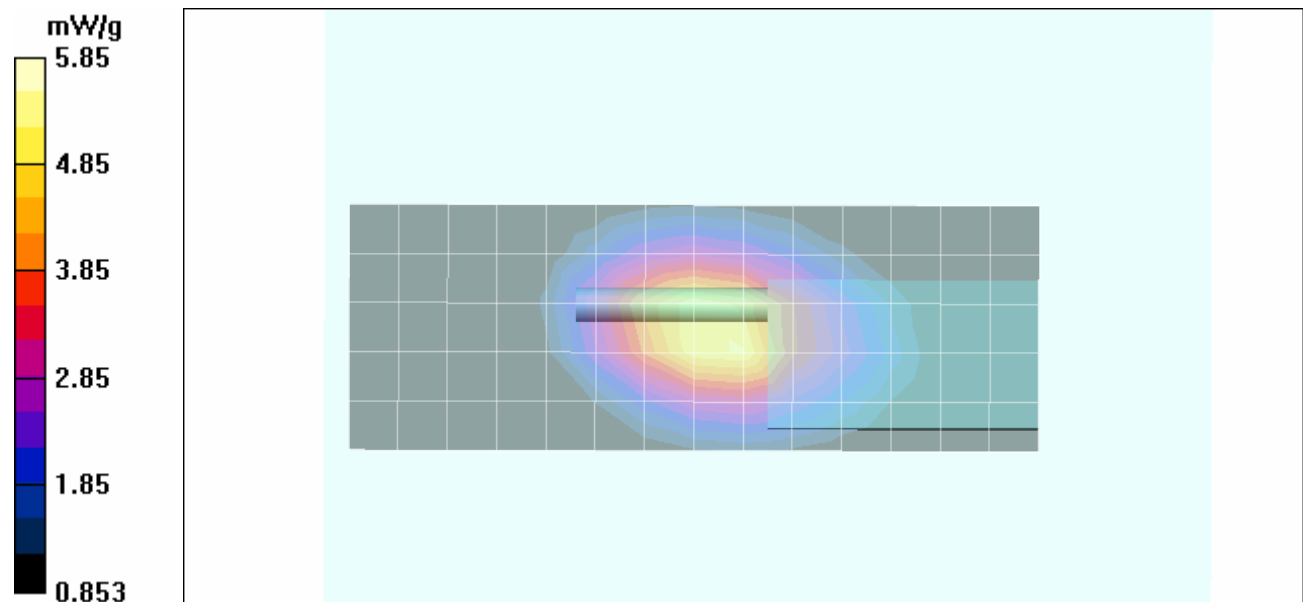
Reference Value = 75.5 V/m; Power Drift = -0.991 dB

Peak SAR (extrapolated) = 8.17 W/kg



SAR(1 g) = 5.55 mW/g; SAR(10 g) = 3.94 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.85 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/08/2010

Body-worn SAR - Ni-MH Battery KNB-56N - Low-Band Stub Antenna KRA-23M3 - 439.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 439 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 439 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 56.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 5.61 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

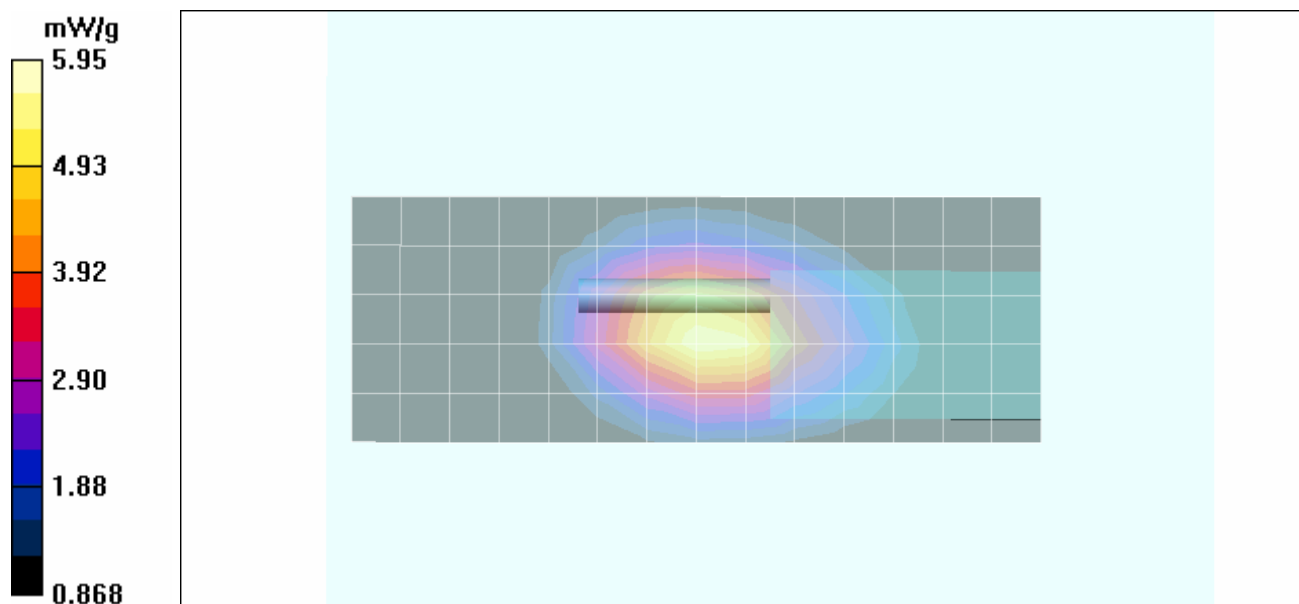
Reference Value = 71.7 V/m; Power Drift = -0.800 dB

Peak SAR (extrapolated) = 8.26 W/kg



SAR(1 g) = 5.68 mW/g; SAR(10 g) = 4.04 mW/g

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 5.95 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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Date Tested: 02/08/2010

Body-worn SAR - Li-ion Battery KNB-55L - Low-Band Stub Antenna KRA-23M3 - 439.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 439 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 439 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 56.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.5 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.36 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

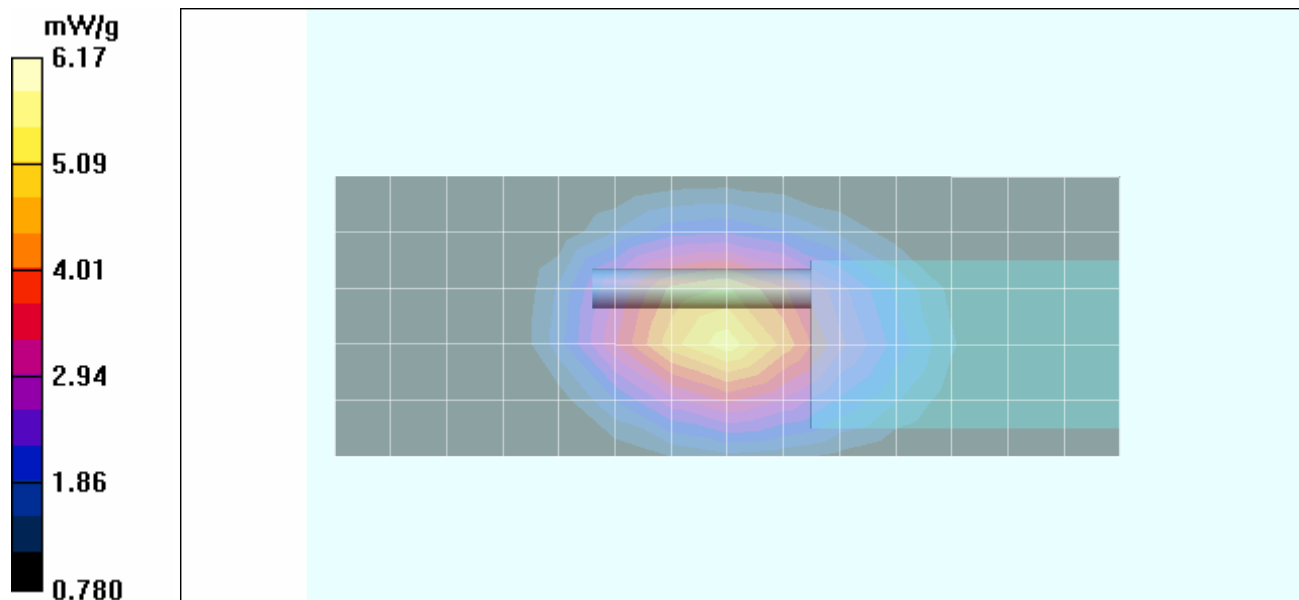
Reference Value = 83.7 V/m; Power Drift = -0.685 dB

Peak SAR (extrapolated) = 8.21 W/kg



SAR(1 g) = 5.72 mW/g; SAR(10 g) = 4.03 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.17 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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Date Tested: 02/08/2010

Body-worn SAR - Li-ion Battery KNB-57L - Low-Band Stub Antenna KRA-23M3 - 439.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 439 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 439$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 56.5$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.3 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.10 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

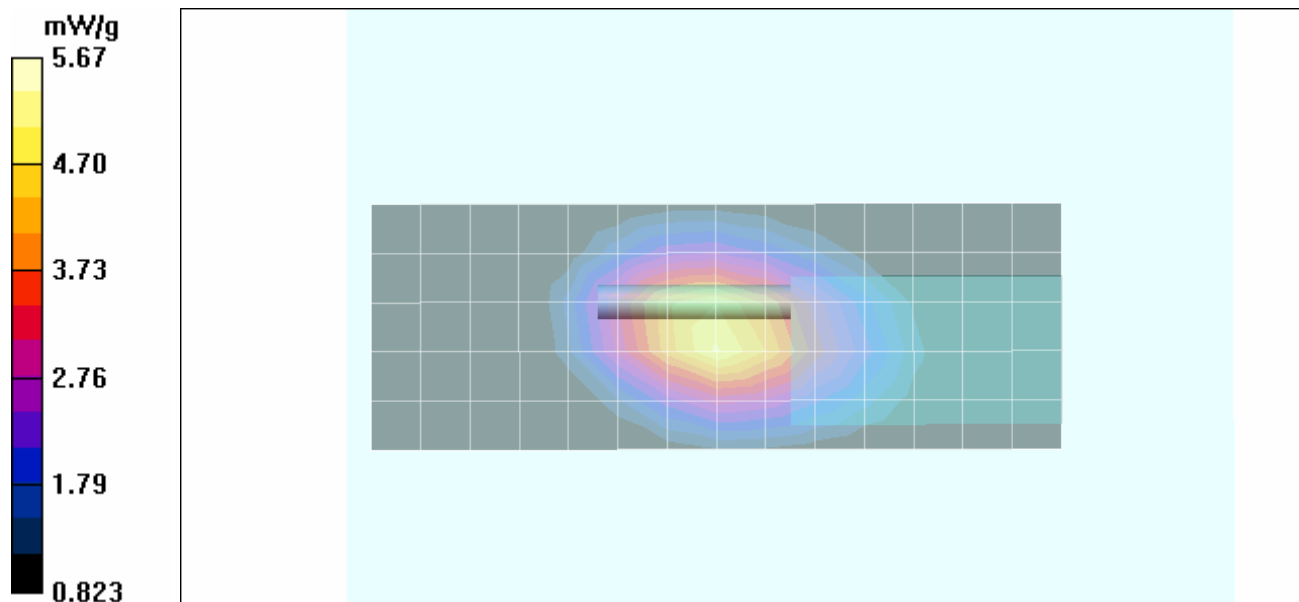
Reference Value = 69.3 V/m; Power Drift = -0.692 dB

Peak SAR (extrapolated) = 7.82 W/kg



SAR(1 g) = 5.4 mW/g; SAR(10 g) = 3.87 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.67 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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Date Tested: 02/02/2010

Body-worn SAR - Ni-MH Battery KNB-56N - Low-Band Whip Antenna KRA-27M3 - 439.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Speaker-Microphone P/N: KMC-45

Ambient Temp: 23.8°C; Fluid Temp: 22.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 439 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 439$ MHz; $\sigma = 0.93$ mho/m; $\epsilon_r = 57.2$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.33 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

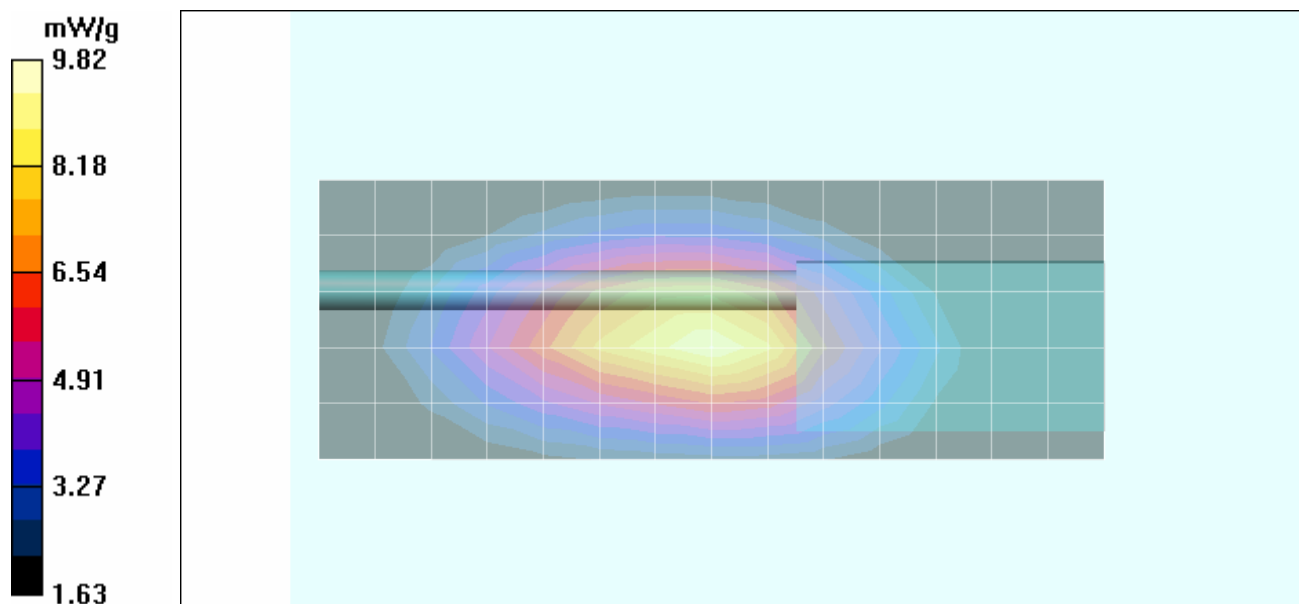
Reference Value = 95.5 V/m; Power Drift = -0.468 dB

Peak SAR (extrapolated) = 13.5 W/kg



SAR(1 g) = 9.39 mW/g; SAR(10 g) = 6.82 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.82 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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Date Tested: 02/02/2010

Body-worn SAR - Ni-MH Battery KNB-56N - Low-Band Whip Antenna KRA-27M3 - 439.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.8°C; Fluid Temp: 22.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 439 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 439 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 57.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.83 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

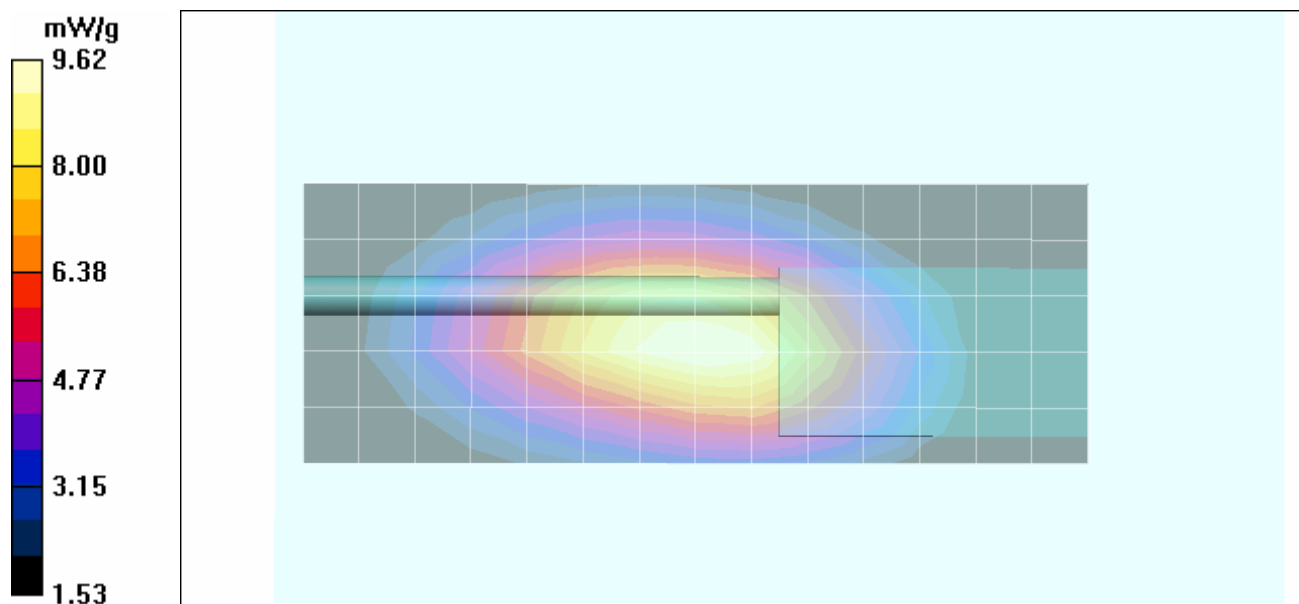
Reference Value = 97.9 V/m; Power Drift = -0.575 dB

Peak SAR (extrapolated) = 13.1 W/kg



SAR(1 g) = 9.18 mW/g; SAR(10 g) = 6.71 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.62 mW/g



Applicant:	Kenwood USA Corporation	Models:	TK-3360-K2, TK-3360-M	FCC ID:	ALH415101	KENWOOD
DUT Type:	Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:	406.1 - 470.0 MHz			
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Date Tested: 02/02/2010

Body-worn SAR - Li-ion Battery KNB-55L - Low-Band Whip Antenna KRA-27M3 - 439.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Speaker-Microphone P/N: KMC-45

Ambient Temp: 23.8°C; Fluid Temp: 22.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 439 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 439 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 57.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.5 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 8.77 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

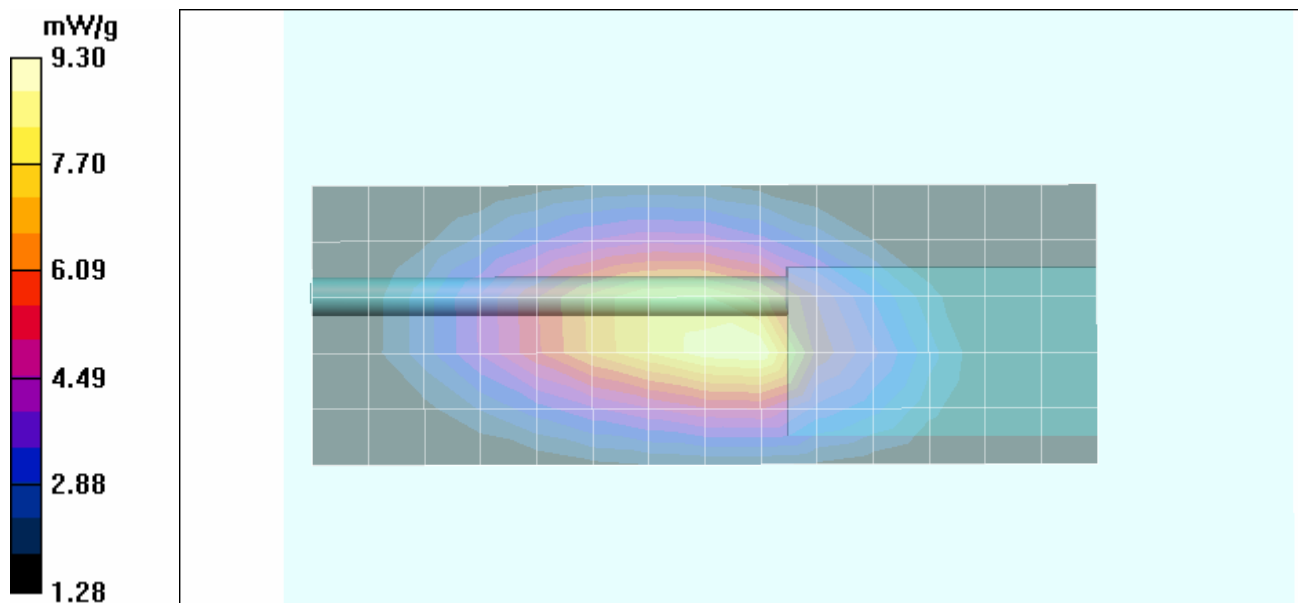
Reference Value = 84.7 V/m; Power Drift = -0.292 dB

Peak SAR (extrapolated) = 13.8 W/kg



SAR(1 g) = 8.91 mW/g; SAR(10 g) = 6.28 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.30 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:	406.1 - 470.0 MHz	
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	<u>Date(s) of Evaluation</u> February 02-08, 2010	<u>Test Report Serial No.</u> 020210ALH-T1001-S90U	<u>Test Report Revision No.</u> Rev. 1.1 (2nd Release)	
	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/02/2010

Body-worn SAR - Li-ion Battery KNB-57L - Low-Band Whip Antenna KRA-27M3 - 439.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Speaker-Microphone P/N: KMC-45

Ambient Temp: 23.8°C; Fluid Temp: 22.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 439 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 439 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 57.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.3 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.55 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

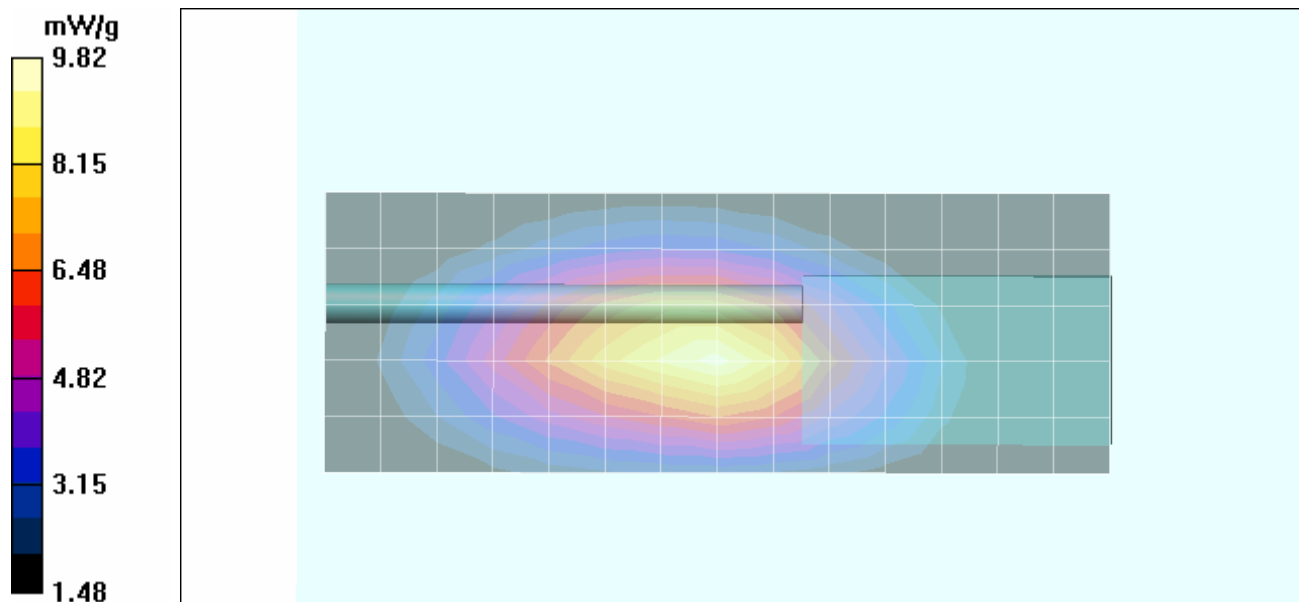
Reference Value = 89.5 V/m; Power Drift = -0.284 dB

Peak SAR (extrapolated) = 14.2 W/kg



SAR(1 g) = 9.37 mW/g; SAR(10 g) = 6.68 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.82 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/02/2010

Body-worn SAR - Ni-MH Battery KNB-56N - High-Band Stub Antenna KRA-23M - 455.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Speaker-Microphone P/N: KMC-45

Ambient Temp: 23.8°C; Fluid Temp: 22.5°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 57.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 5.80 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

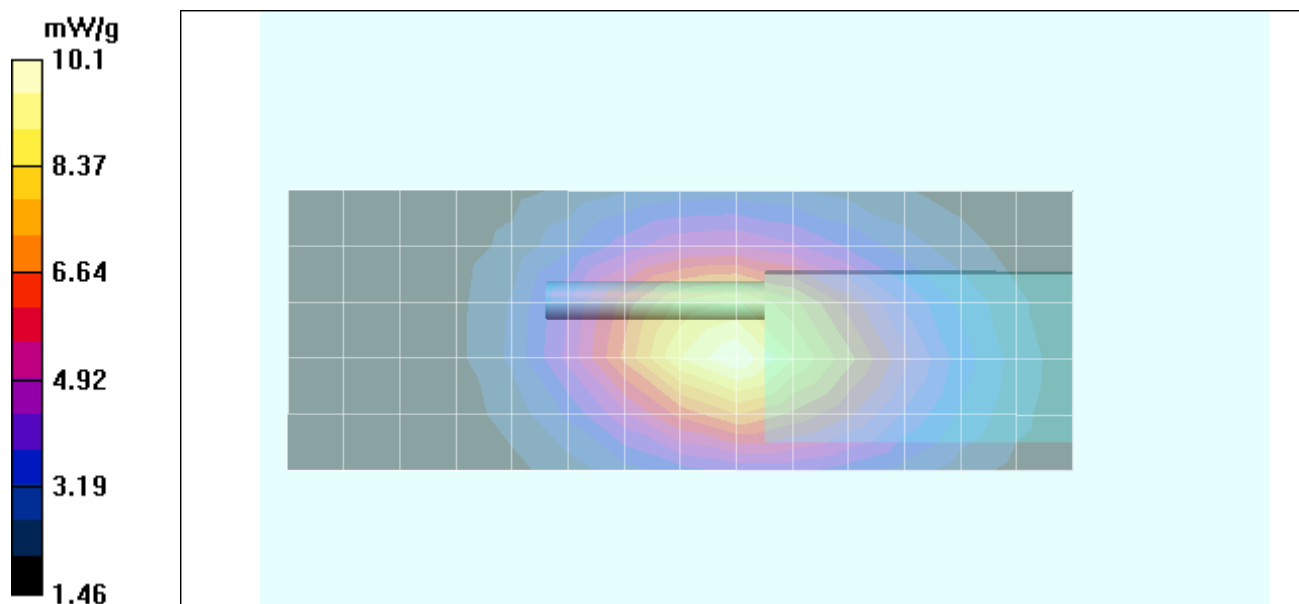
Reference Value = 106.1 V/m; Power Drift = -0.596 dB

Peak SAR (extrapolated) = 14.1 W/kg



SAR(1 g) = 9.64 mW/g; SAR(10 g) = 6.86 mW/g

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 10.1 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:	406.1 - 470.0 MHz	
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/03/2010

Body-worn SAR - Ni-MH Battery KNB-56N - High-Band Stub Antenna KRA-23M - 455.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 57.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 10.2 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

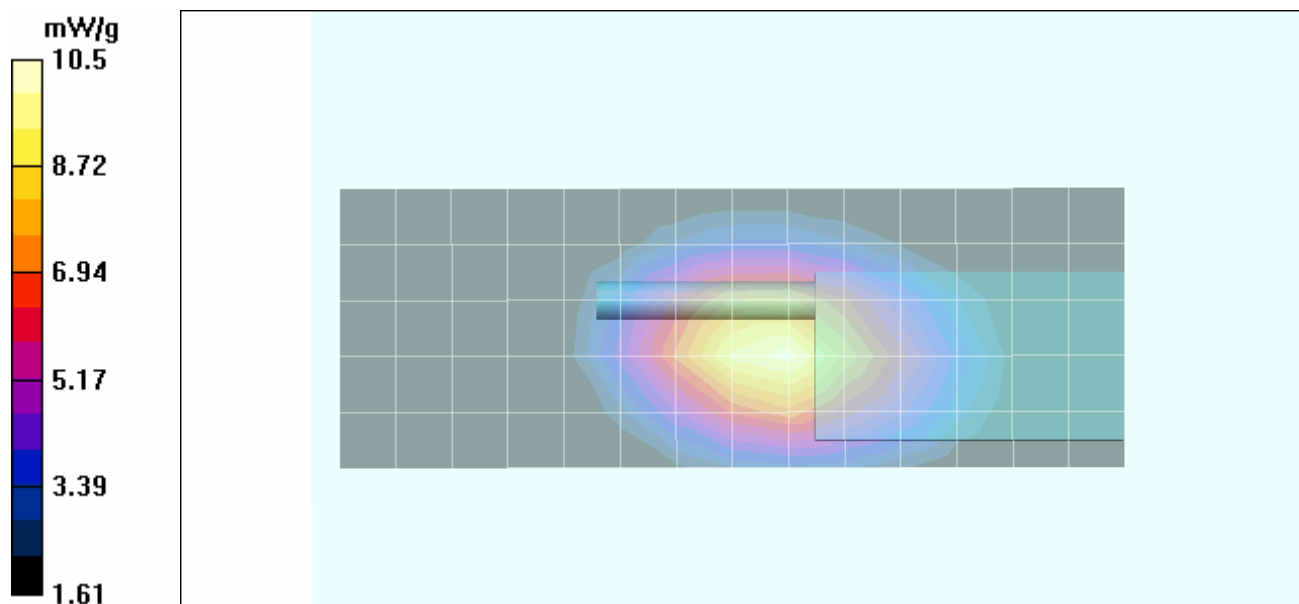
Reference Value = 104.7 V/m; Power Drift = -0.514 dB

Peak SAR (extrapolated) = 14.6 W/kg



SAR(1 g) = 10 mW/g; SAR(10 g) = 7.18 mW/g

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 10.5 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/03/2010

Body-worn SAR - Li-ion Battery KNB-55L - High-Band Stub Antenna KRA-23M - 455.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 57.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.5 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 10.3 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

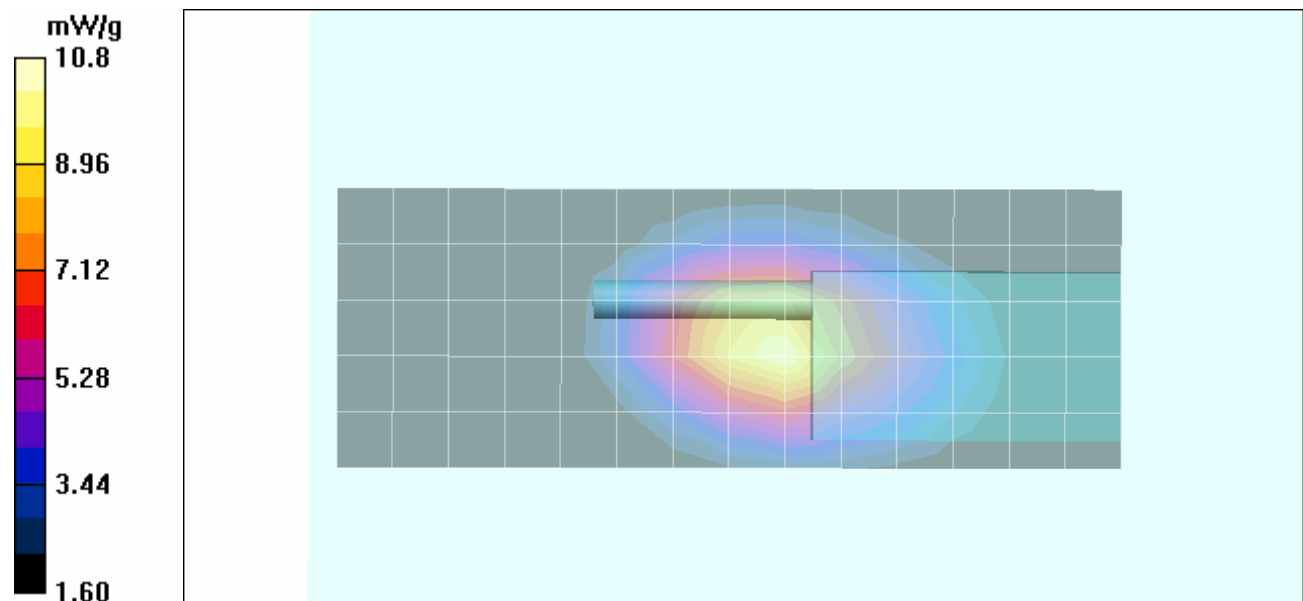
Reference Value = 104.6 V/m; Power Drift = -0.260 dB

Peak SAR (extrapolated) = 15.3 W/kg



SAR(1 g) = 10.4 mW/g; SAR(10 g) = 7.41 mW/g

Info: [Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 10.8 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/03/2010

Body-worn SAR - Li-ion Battery KNB-57L - High-Band Stub Antenna KRA-23M - 455.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 57.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.3 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 11.4 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

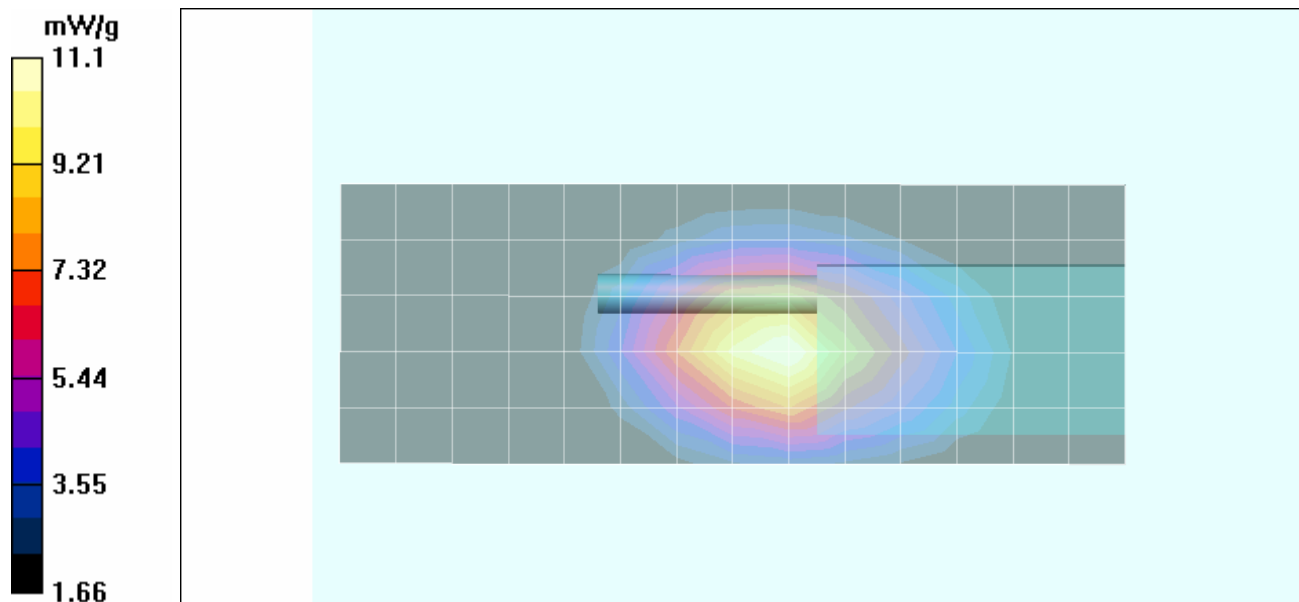
Reference Value = 105.9 V/m; Power Drift = -0.356 dB

Peak SAR (extrapolated) = 15.7 W/kg



SAR(1 g) = 10.7 mW/g; SAR(10 g) = 7.59 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 11.1 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/03/2010

Body-worn SAR - Ni-MH Battery KNB-56N - High-Band Whip Antenna KRA-27M - 455.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Speaker-Microphone P/N: KMC-45

Ambient Temp: 23.5°C; Fluid Temp: 22.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 57.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 11.3 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

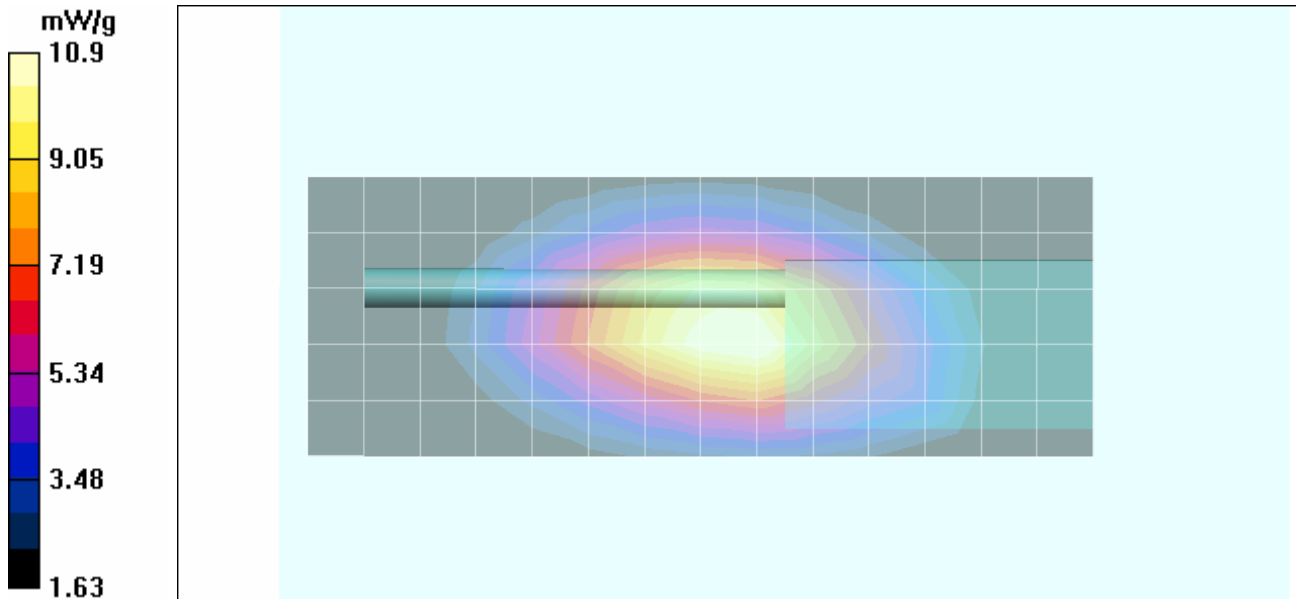
Reference Value = 104.9 V/m; Power Drift = -0.461 dB

Peak SAR (extrapolated) = 14.9 W/kg



SAR(1 g) = 10.5 mW/g; SAR(10 g) = 7.63 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 10.9 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/03/2010

Body-worn SAR - Ni-MH Battery KNB-56N - High-Band Whip Antenna KRA-27M - 455.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 57.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 11.8 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

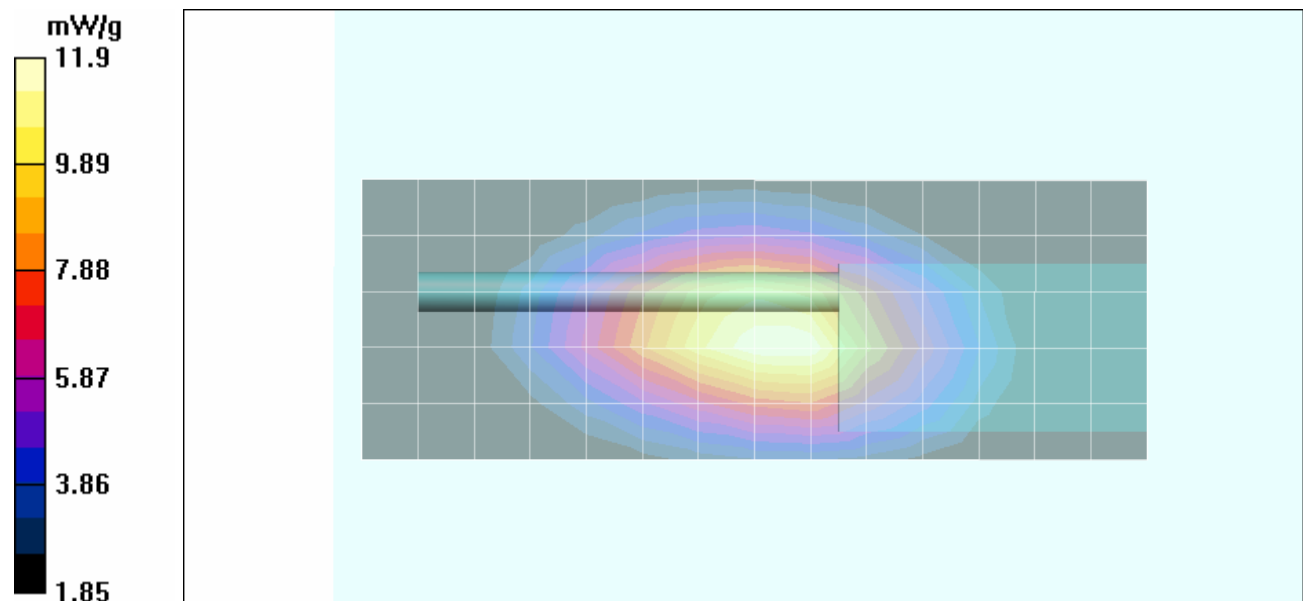
Reference Value = 110.9 V/m; Power Drift = -0.559 dB

Peak SAR (extrapolated) = 16.3 W/kg

SAR(1 g) = 11.4 mW/g; SAR(10 g) = 8.29 mW/g

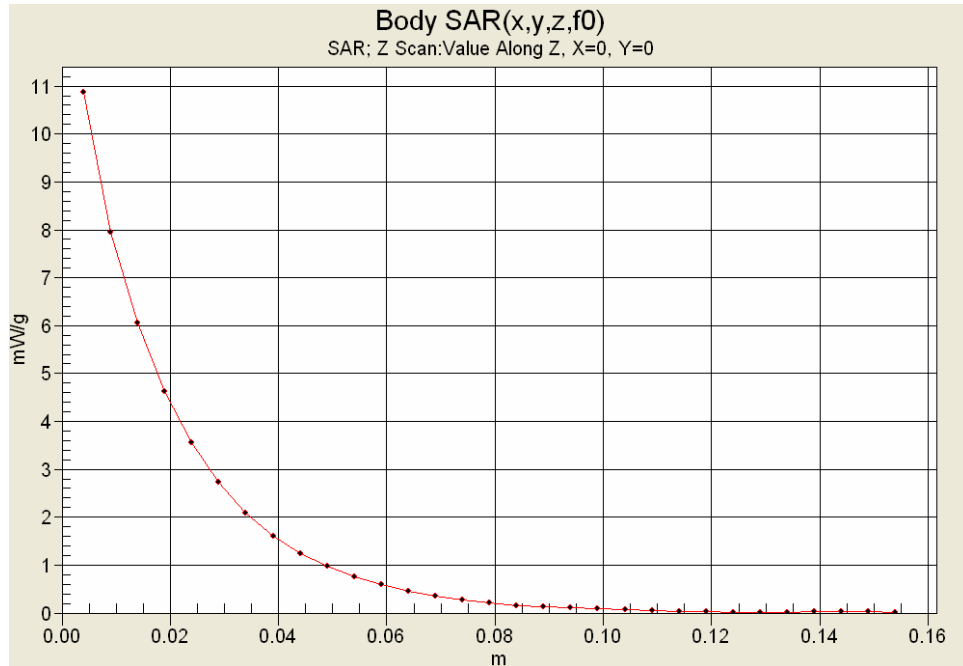
Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 11.9 mW/g



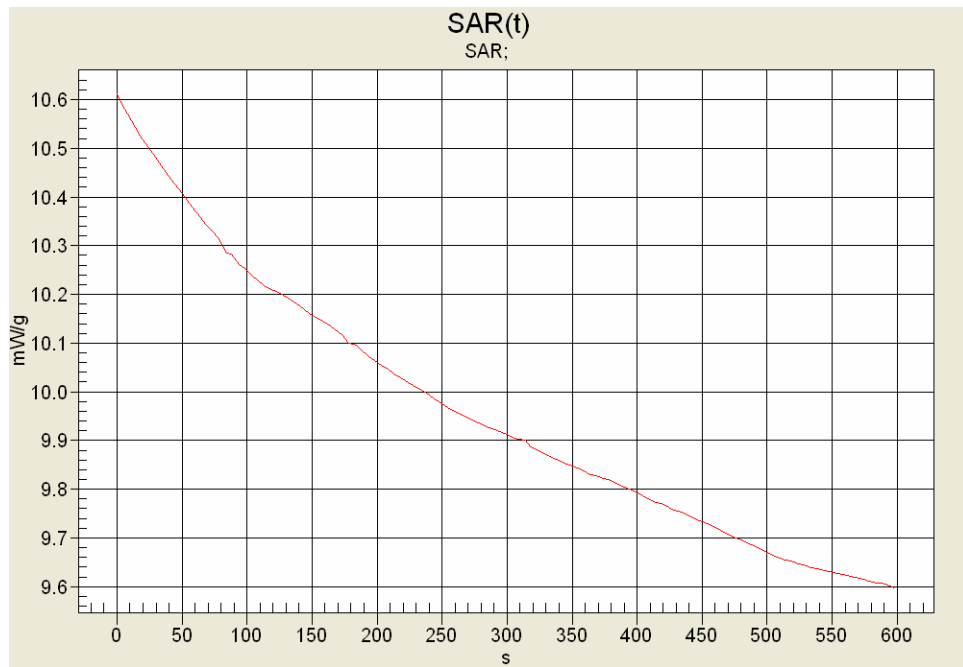
Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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Z-Axis Scan





SAR-versus-Time Droop Evaluation

Body-worn Configuration
455 MHz / Headset-Mic
Ni-MH Battery KNB-56N
KRA-27M Whip Antenna



SAR - Start	1	0	10.6113 mW/g
SAR - Zoom Scan	69	338	9.86209 mW/g (-0.318 dB droop)
SAR - Area Scan	121	598	9.59798 mW/g (-0.436 dB droop)

	<u>Date(s) of Evaluation</u> February 02-08, 2010	<u>Test Report Serial No.</u> 020210ALH-T1001-S90U	<u>Test Report Revision No.</u> Rev. 1.1 (2nd Release)	
	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/03/2010

Body-worn SAR - Li-ion Battery KNB-55L - High-Band Whip Antenna KRA-27M - 455.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 57.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.5 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 12.1 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

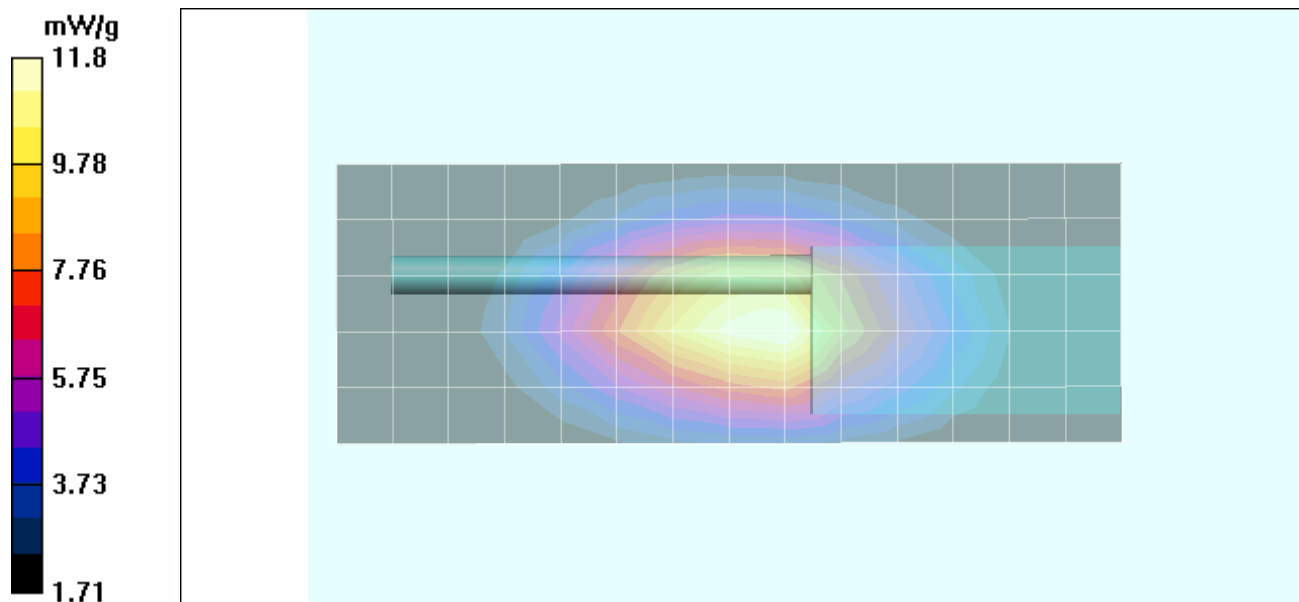
Reference Value = 111.8 V/m; Power Drift = -0.247 dB

Peak SAR (extrapolated) = 16.3 W/kg



SAR(1 g) = 11.2 mW/g; SAR(10 g) = 8.07 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 11.8 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Date(s) of Evaluation</u> February 02-08, 2010	<u>Test Report Serial No.</u> 020210ALH-T1001-S90U	<u>Test Report Revision No.</u> Rev. 1.1 (2nd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/03/2010

Body-worn SAR - Li-ion Battery KNB-57L - High-Band Whip Antenna KRA-27M - 455.0 MHz

Highest SAR Search Procedure

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 57.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.3 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 11.9 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

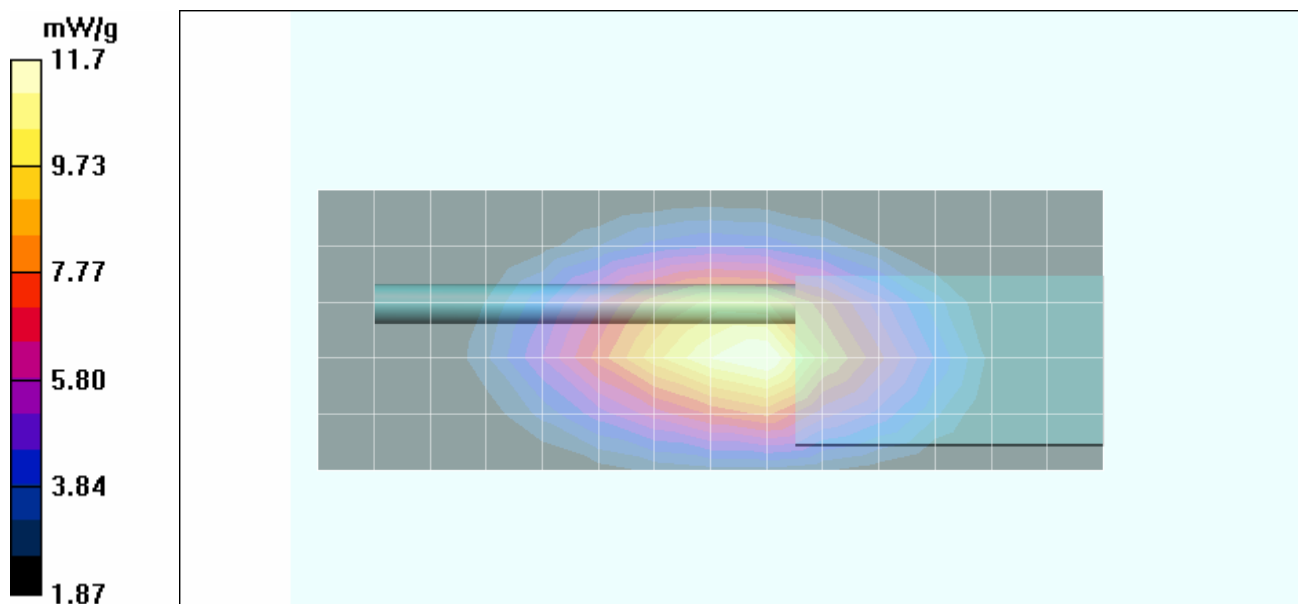
Reference Value = 113.7 V/m; Power Drift = -0.547 dB

Peak SAR (extrapolated) = 15.9 W/kg



SAR(1 g) = 11.2 mW/g; SAR(10 g) = 8.13 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 11.7 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:	406.1 - 470.0 MHz	
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/08/2010

Body-worn SAR - Ni-MH Battery KNB-56N - Low-Band Stub Antenna KRA-23M3 - 406.1 MHz

Remaining Test Channel Reduction

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 406.1 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 406.1$ MHz; $\sigma = 0.91$ mho/m; $\epsilon_r = 56.8$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.68 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

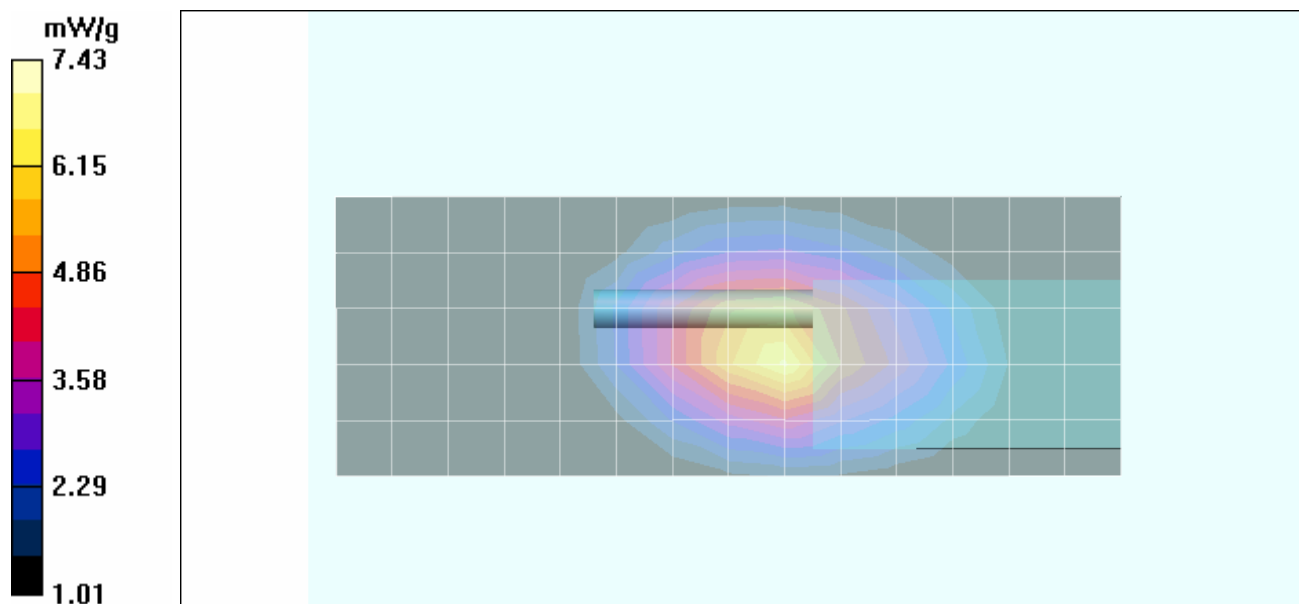
Reference Value = 84.0 V/m; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 10.5 W/kg



SAR(1 g) = 7.02 mW/g; SAR(10 g) = 4.94 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 7.43 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/03/2010

Body-worn SAR - Li-ion Battery KNB-57L - Low-Band Whip Antenna KRA-27M3 - 406.1 MHz

Remaining Test Channel Reduction

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Speaker-Microphone P/N: KMC-45

Ambient Temp: 23.5°C; Fluid Temp: 22.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 406.1 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 406.1$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 57.5$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.3 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.25 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

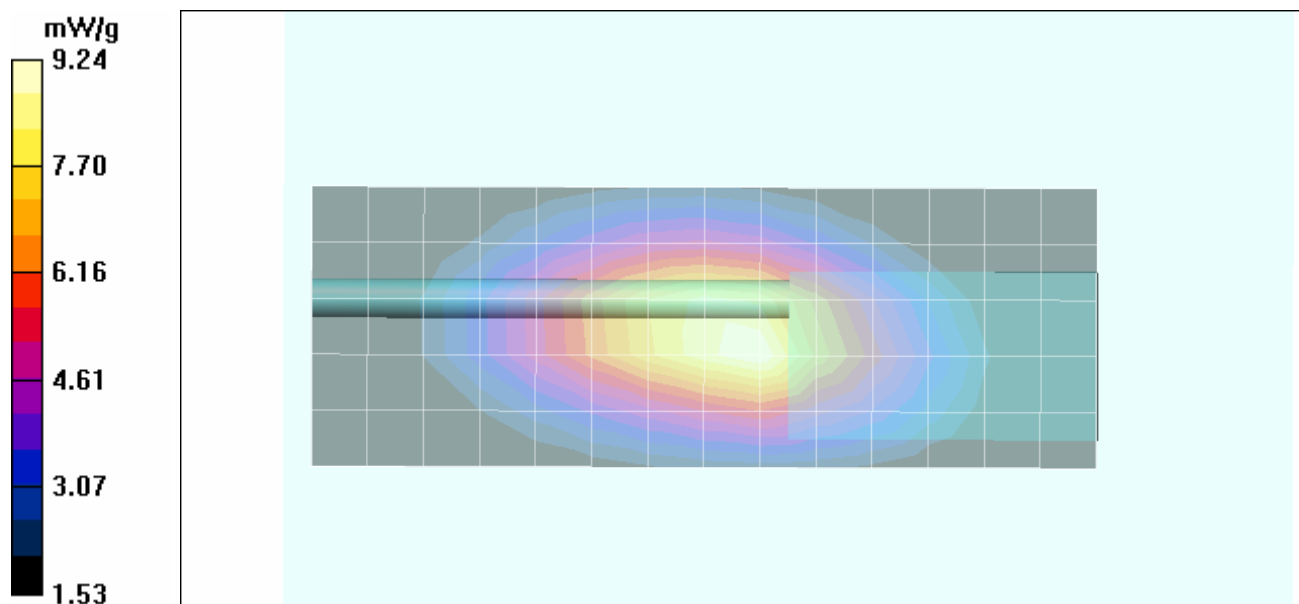
Reference Value = 99.0 V/m; Power Drift = -0.171 dB

Peak SAR (extrapolated) = 12.4 W/kg



SAR(1 g) = 8.81 mW/g; SAR(10 g) = 6.45 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.24 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/08/2010

Body-worn SAR - Ni-MH Battery KNB-56N - Low-Band Stub Antenna KRA-23M3 - 428.0 MHz

Remaining Test Channel Reduction

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 428 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 428 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 56.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 8.80 mW/g

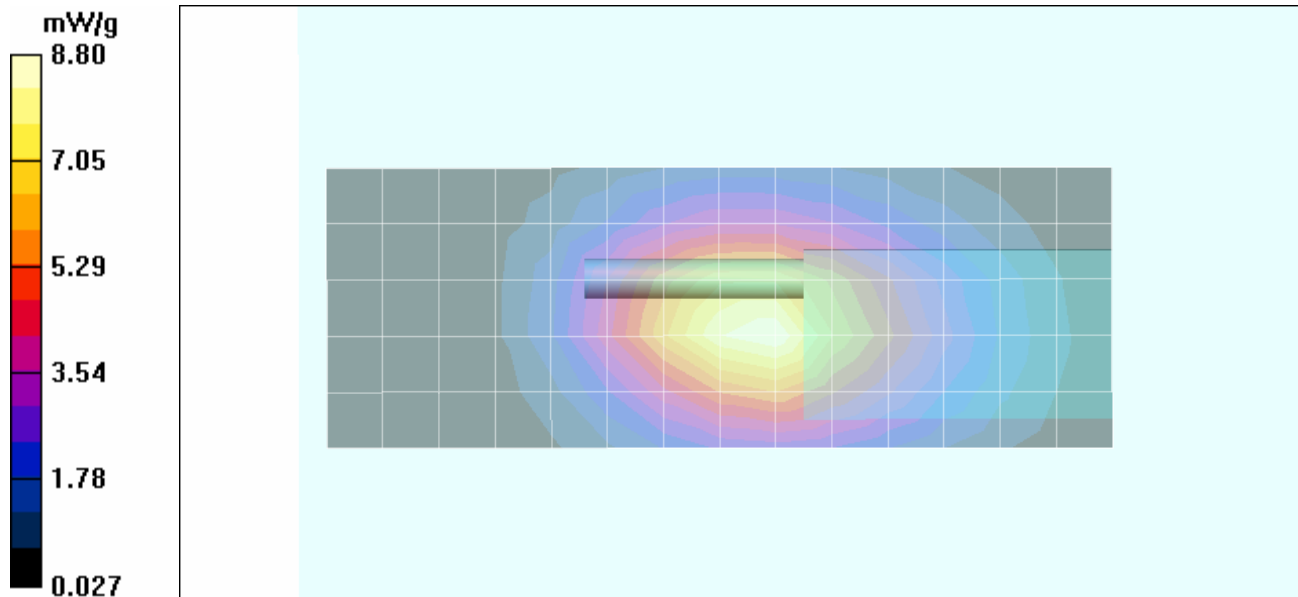
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 98.5 V/m; Power Drift = -0.642 dB



Peak SAR (extrapolated) = 12.1 W/kg

SAR(1 g) = 8.4 mW/g; SAR(10 g) = 6.08 mW/g

Info: Interpolated medium parameters used for SAR evaluation.



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/03/2010

Body-worn SAR - Li-ion Battery KNB-57L - Low-Band Whip Antenna KRA-27M3 - 428.0 MHz

Remaining Test Channel Reduction

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Speaker-Microphone P/N: KMC-45

Ambient Temp: 23.5°C; Fluid Temp: 22.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 428 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 428 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 56.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.3 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 10.9 mW/g

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

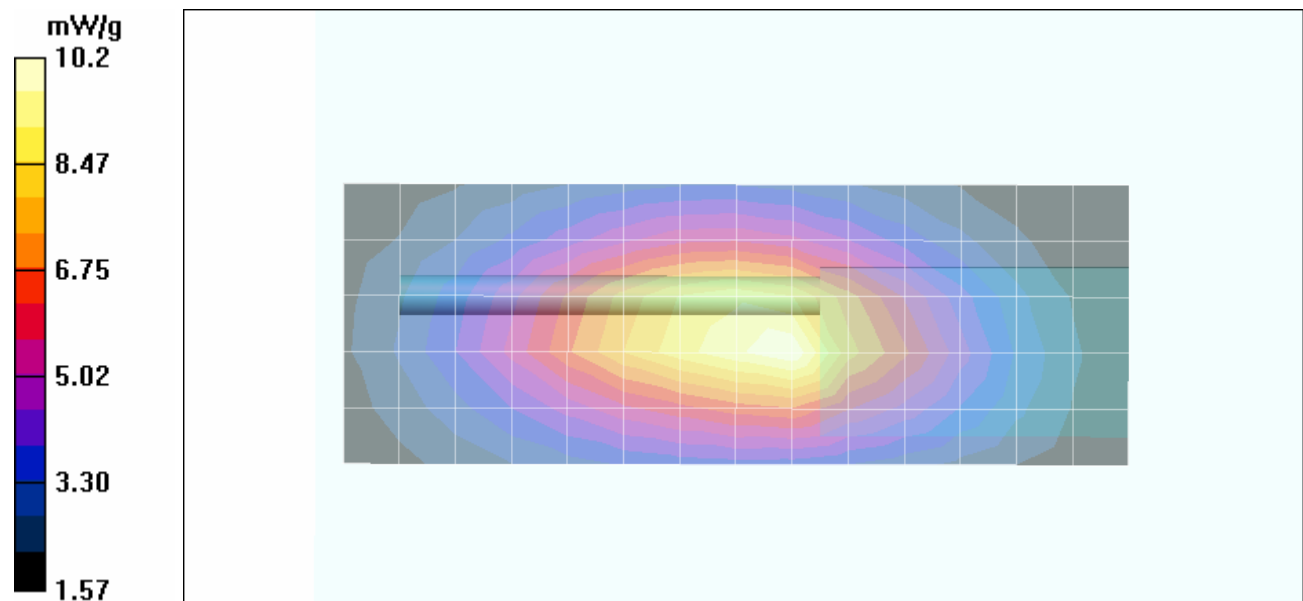
Reference Value = 105.0 V/m; Power Drift = -0.164 dB

Peak SAR (extrapolated) = 14.1 W/kg



SAR(1 g) = 9.79 mW/g; SAR(10 g) = 7.14 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 10.2 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:	406.1 - 470.0 MHz	
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Date Tested: 02/08/2010

Body-worn SAR - Ni-MH Battery KNB-56N - Low-Band Stub Antenna KRA-23M3 - 450.0 MHz

Remaining Test Channel Reduction

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 56.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 4.06 mW/g

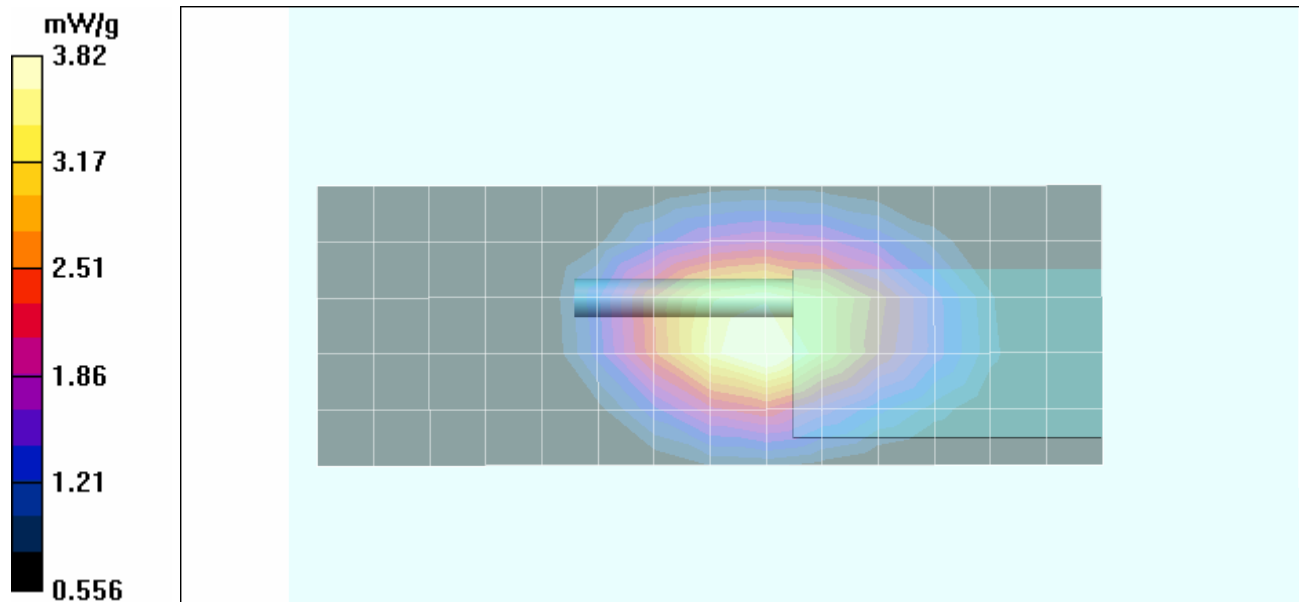
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 63.3 V/m; Power Drift = -0.474 dB



Peak SAR (extrapolated) = 5.42 W/kg

SAR(1 g) = 3.66 mW/g; SAR(10 g) = 2.6 mW/g

Maximum value of SAR (measured) = 3.82 mW/g



Applicant:	Kenwood USA Corporation	Models:	TK-3360-K2, TK-3360-M	FCC ID:	ALH415101	KENWOOD
DUT Type:	Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:		406.1 - 470.0 MHz		
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Date Tested: 02/03/2010

Body-worn SAR - Li-ion Battery KNB-57L - Low-Band Whip Antenna KRA-27M3 - 450.0 MHz

Remaining Test Channel Reduction

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Speaker-Microphone P/N: KMC-45

Ambient Temp: 23.5°C; Fluid Temp: 22.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 450 \text{ MHz}$; $\sigma = 0.94 \text{ mho/m}$; $\epsilon_r = 57.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.3 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 5.96 mW/g

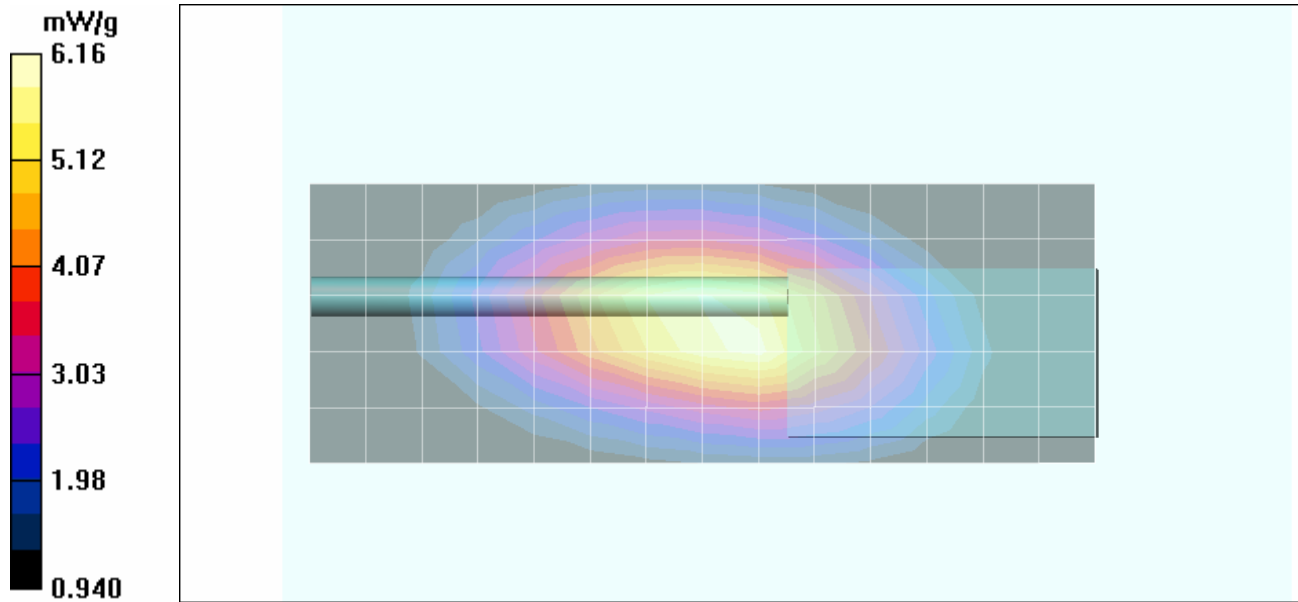
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 77.0 V/m; Power Drift = -0.278 dB



Peak SAR (extrapolated) = 8.25 W/kg

SAR(1 g) = 5.86 mW/g; SAR(10 g) = 4.27 mW/g

Maximum value of SAR (measured) = 6.16 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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Date Tested: 02/08/2010

Body-worn SAR - Li-ion Battery KNB-57L - High-Band Stub Antenna KRA-23M - 440.0 MHz

Remaining Test Channel Reduction

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 56.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.3 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 9.91 mW/g

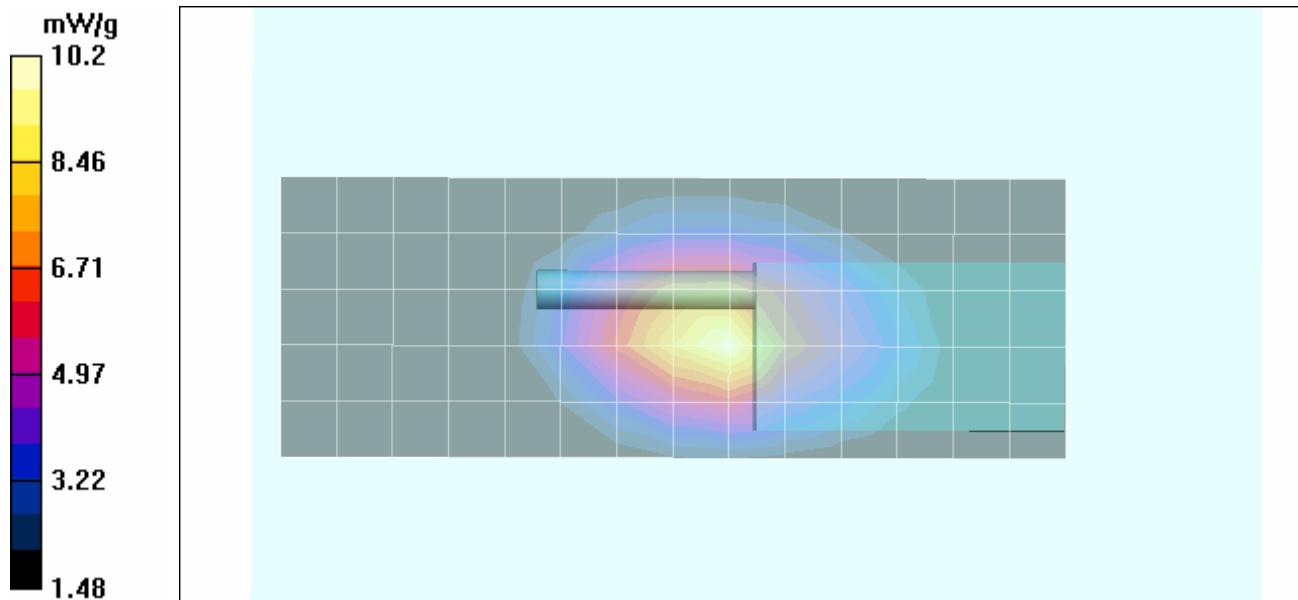
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 96.4 V/m; Power Drift = -0.211 dB



Peak SAR (extrapolated) = 14.3 W/kg

SAR(1 g) = 9.76 mW/g; SAR(10 g) = 6.94 mW/g

Maximum value of SAR (measured) = 10.2 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/03/2010

Body-worn SAR - Ni-MH Battery KNB-56N - High-Band Whip Antenna KRA-27M - 440.0 MHz

Remaining Test Channel Reduction

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.94 \text{ mho/m}$; $\epsilon_r = 56.7$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 9.80 mW/g

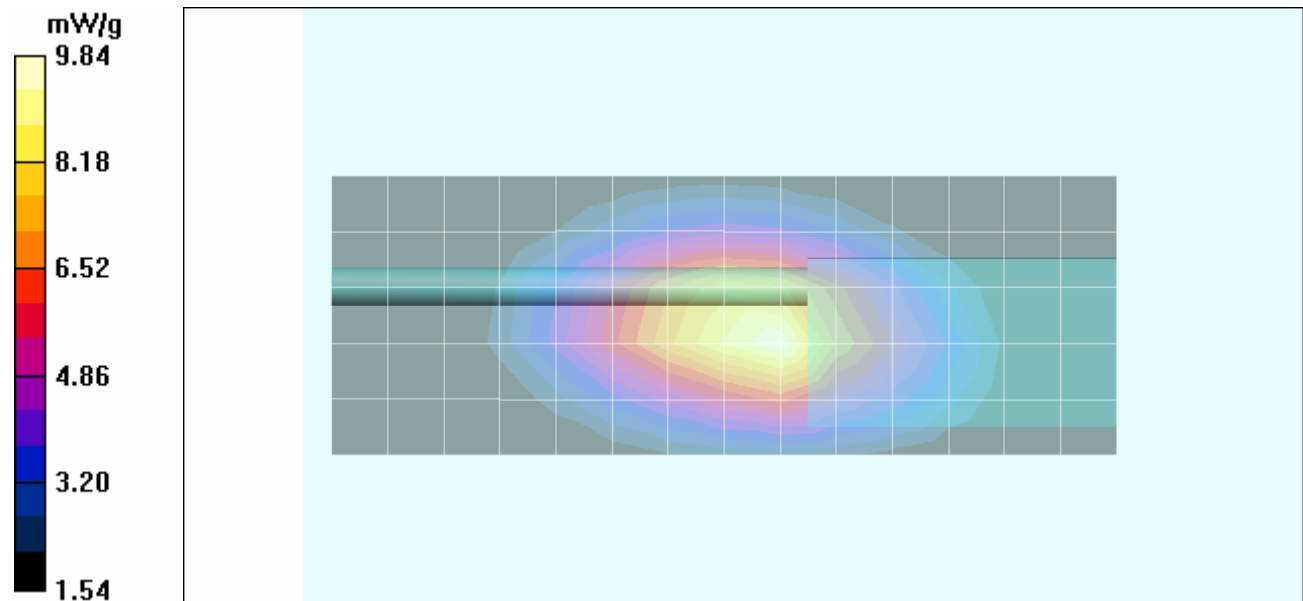
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 100.1 V/m; Power Drift = -0.294 dB



Peak SAR (extrapolated) = 13.4 W/kg

SAR(1 g) = 9.38 mW/g; SAR(10 g) = 6.79 mW/g

Maximum value of SAR (measured) = 9.84 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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	<u>Date(s) of Evaluation</u> February 02-08, 2010	<u>Test Report Serial No.</u> 020210ALH-T1001-S90U	<u>Test Report Revision No.</u> Rev. 1.1 (2nd Release)	
	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/03/2010

Body-worn SAR - Li-ion Battery KNB-57L - High-Band Stub Antenna KRA-23M - 470.0 MHz

Remaining Test Channel Reduction

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.2°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 56.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.3 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 9.78 mW/g

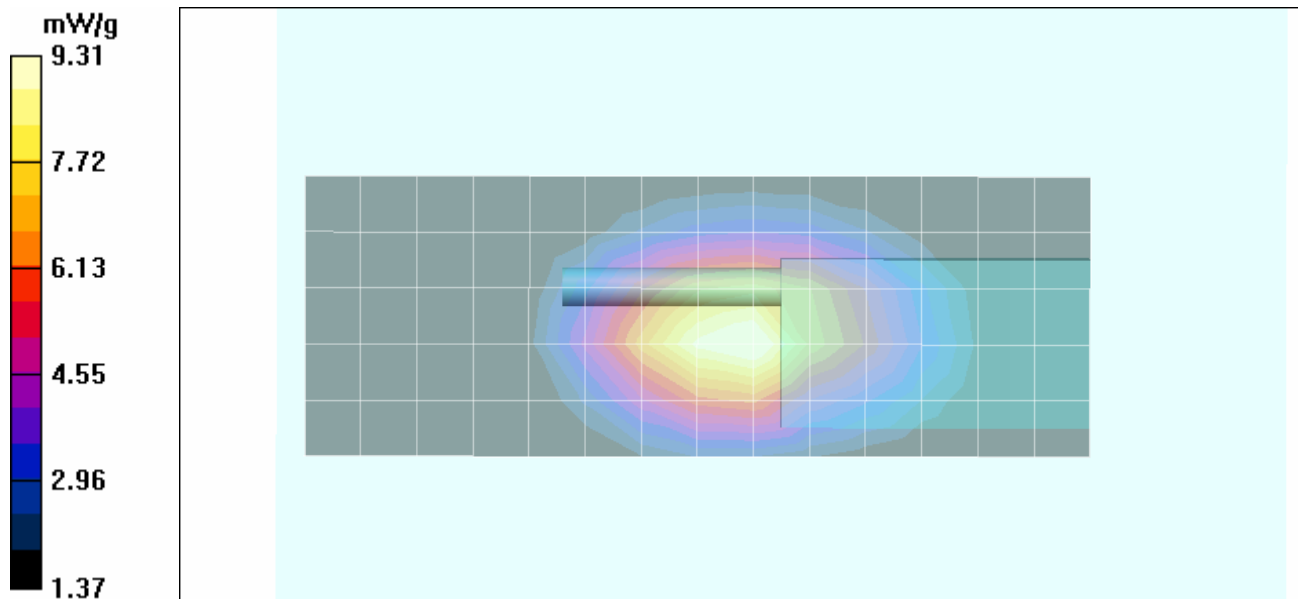
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 96.9 V/m; Power Drift = -0.324 dB



Peak SAR (extrapolated) = 13.0 W/kg

SAR(1 g) = 8.91 mW/g; SAR(10 g) = 6.34 mW/g

Maximum value of SAR (measured) = 9.31 mW/g



Applicant:	Kenwood USA Corporation	Models:	TK-3360-K2, TK-3360-M	FCC ID:	ALH415101	KENWOOD
DUT Type:	Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range:	406.1 - 470.0 MHz			
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	<u>Date(s) of Evaluation</u> February 02-08, 2010	<u>Test Report Serial No.</u> 020210ALH-T1001-S90U	<u>Test Report Revision No.</u> Rev. 1.1 (2nd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> March 18, 2010	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 02/03/2010

Body-worn SAR - Ni-MH Battery KNB-56N - High-Band Whip Antenna KRA-27M - 470.0 MHz

Remaining Test Channel Reduction

DUT: Kenwood TK-3360-K2/M; Type: Portable FM UHF PTT Radio Transceiver; Serial: 05 (Pre-production)

Body-worn Accessory: Belt-Clip P/N: KBH-12; Audio Accessory: Headset-Microphone P/N: KHS-21

Ambient Temp: 23.5°C; Fluid Temp: 22.8°C; Barometric Pressure: 101.1 kPa; Humidity: 35%

Communication System: CW

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 56.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.34, 7.34, 7.34); Calibrated: 16/07/2009
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 28/04/2009
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Body-worn SAR - 1.0 cm Belt-Clip Spacing from Back of DUT (Battery Housing) to Planar Phantom

Area Scan (6x15x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (measured) = 10.6 mW/g

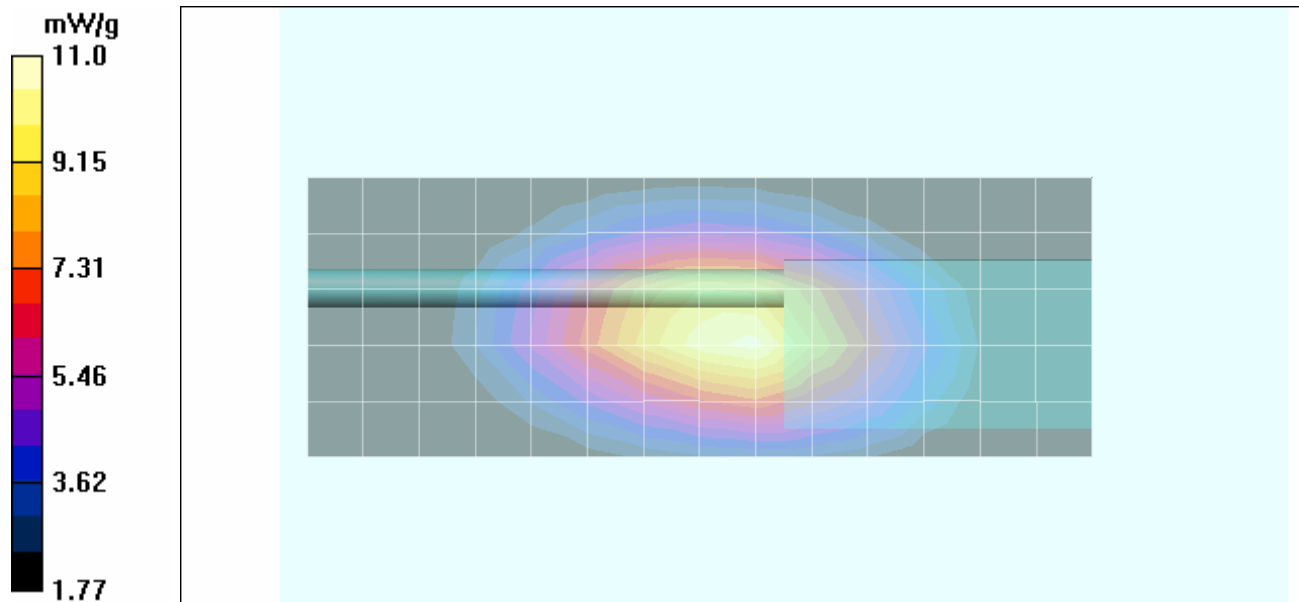
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

Reference Value = 107.9 V/m; Power Drift = -0.404 dB

Peak SAR (extrapolated) = 14.9 W/kg

SAR(1 g) = 10.5 mW/g; SAR(10 g) = 7.59 mW/g

Maximum value of SAR (measured) = 11.0 mW/g



Applicant: Kenwood USA Corporation	Models: TK-3360-K2, TK-3360-M	FCC ID: ALH415101	KENWOOD
DUT Type: Portable FM UHF PTT Radio Transceiver	Transmit Frequency Range: 406.1 - 470.0 MHz		
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