



	<u>Date(s) of Evaluation</u> 9/22-29 & 12/5-6, 2011	<u>Test Report Serial No.</u> 083011OWD-T1113-S90M	<u>Test Report Revision No.</u> Rev. 1.2 (3rd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

APPENDIX A - SAR MEASUREMENT PLOTS

Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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Face SAR Plot F1

Date Tested: 09/28/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 770 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 770 \text{ MHz}$; $\sigma = 0.855 \text{ mho/m}$; $\epsilon_r = 43.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.982 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

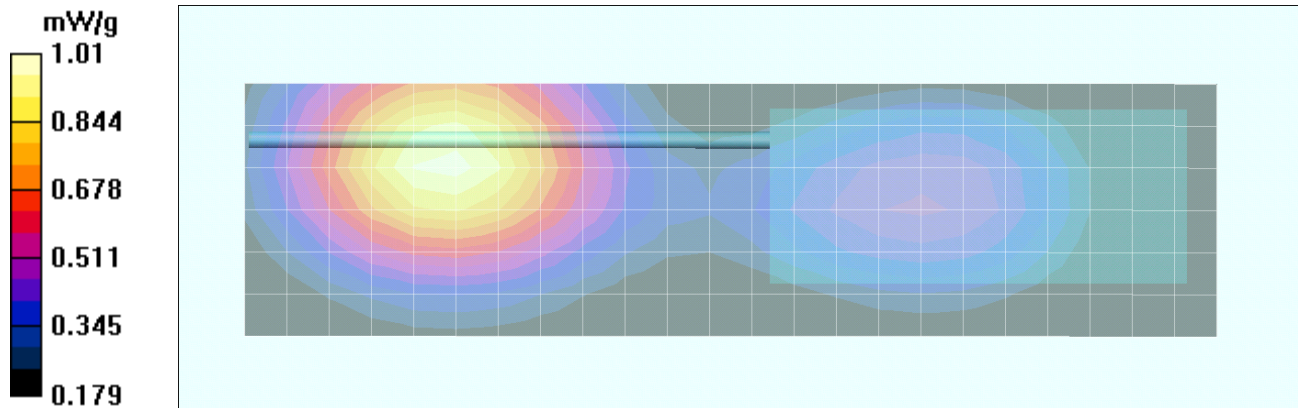
Reference Value = 22.4 V/m; Power Drift = -0.655 dB


Peak SAR (extrapolated) = 1.17 W/kg



SAR(1 g) = 0.944 mW/g; SAR(10 g) = 0.712 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.01 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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Face SAR Plot F2

Date Tested: 09/28/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 802 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 802 \text{ MHz}$; $\sigma = 0.894 \text{ mho/m}$; $\epsilon_r = 43.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DAS4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.07 mW/g

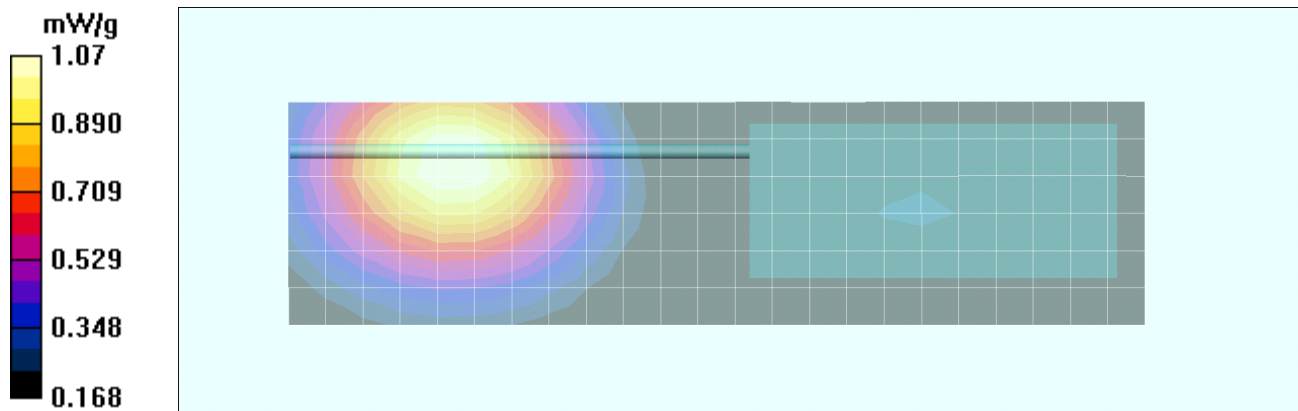
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$


Reference Value = 12.3 V/m; Power Drift = -0.451 dB



Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.769 mW/g

Info: Interpolated medium parameters used for SAR evaluation.



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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Face SAR Plot F3

Date Tested: 09/28/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.91 \text{ mho/m}$; $\epsilon_r = 42.7$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.23 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

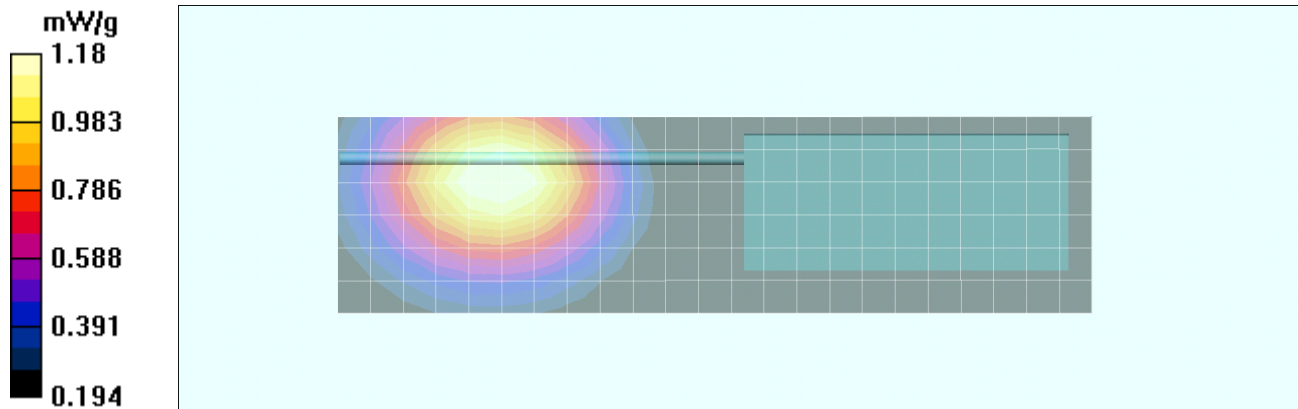
Reference Value = 7.40 V/m; Power Drift = -0.757 dB


Peak SAR (extrapolated) = 1.38 W/kg



SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.835 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.18 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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Face SAR Plot F4

Date Tested: 09/28/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 851 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 851 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 42.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DAS4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.895 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

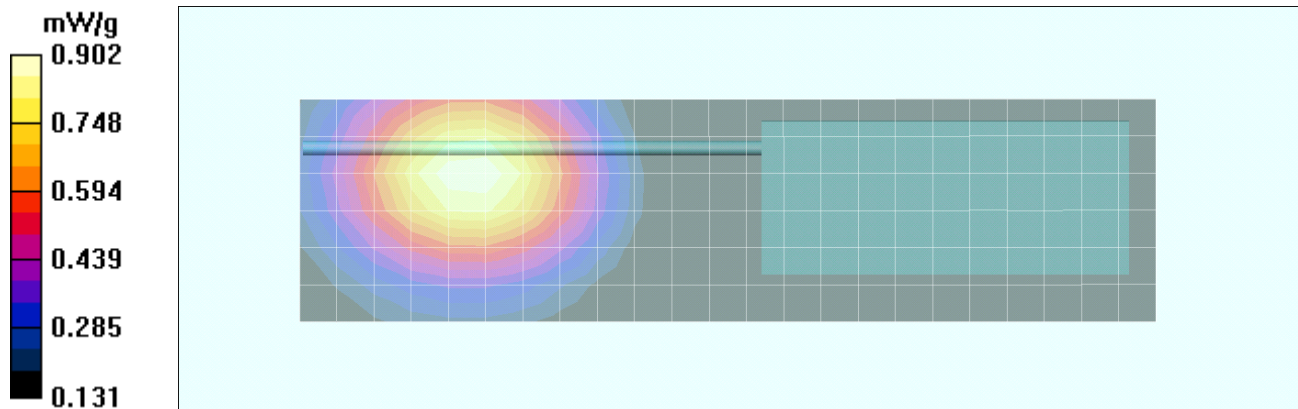
Reference Value = 5.03 V/m; Power Drift = -0.210 dB


Peak SAR (extrapolated) = 1.06 W/kg



SAR(1 g) = 0.848 mW/g; SAR(10 g) = 0.622 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.902 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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Face SAR Plot F5

Date Tested: 09/28/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 770 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 770 \text{ MHz}$; $\sigma = 0.855 \text{ mho/m}$; $\epsilon_r = 43.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DAS4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.00 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

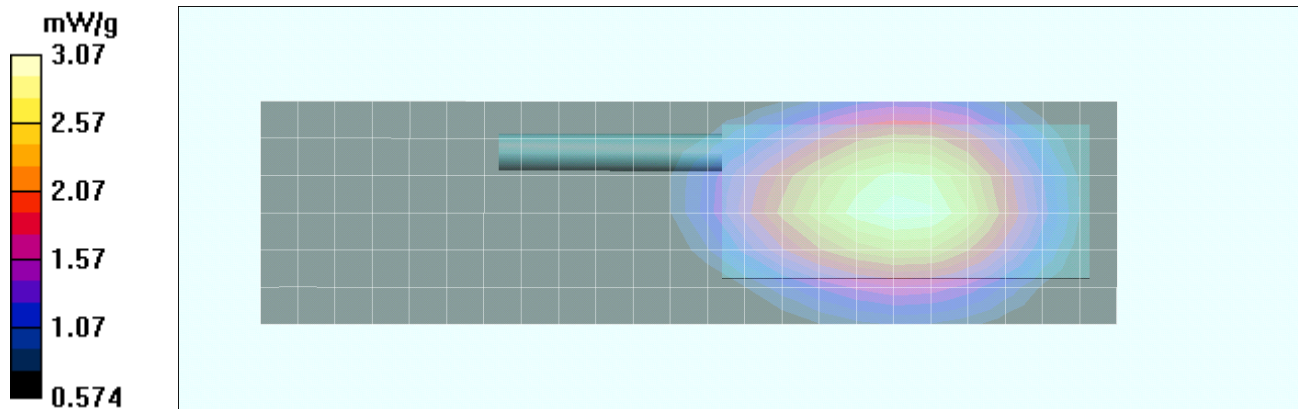
Reference Value = 43.2 V/m; Power Drift = -0.100 dB


Peak SAR (extrapolated) = 3.51 W/kg



SAR(1 g) = 2.88 mW/g; SAR(10 g) = 2.2 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.07 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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Face SAR Plot F6

Date Tested: 09/28/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 802 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 802 \text{ MHz}$; $\sigma = 0.894 \text{ mho/m}$; $\epsilon_r = 43.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.43 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

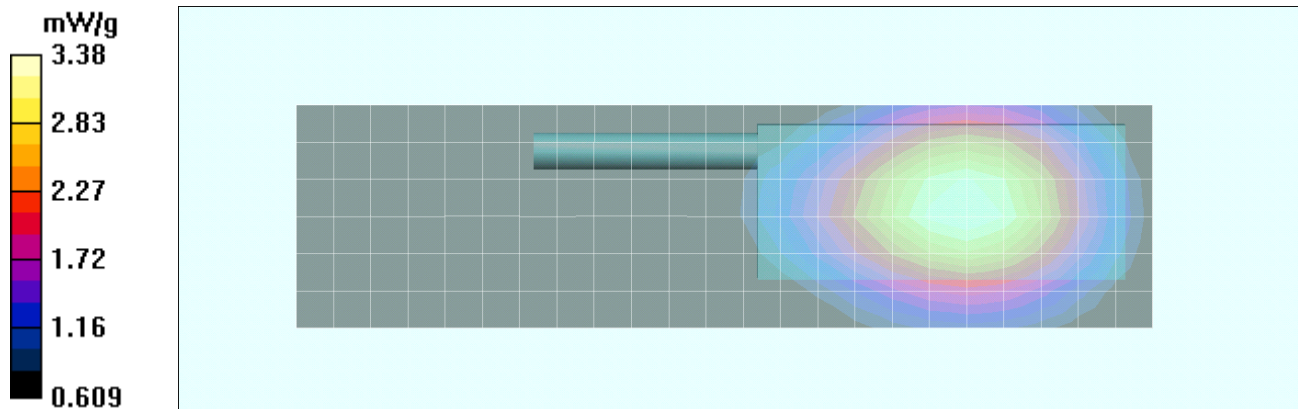
Reference Value = 34.9 V/m; Power Drift = -0.109 dB


Peak SAR (extrapolated) = 3.92 W/kg



SAR(1 g) = 3.2 mW/g; SAR(10 g) = 2.44 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.38 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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Face SAR Plot F7

Date Tested: 09/28/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.91 \text{ mho/m}$; $\epsilon_r = 42.7$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.84 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

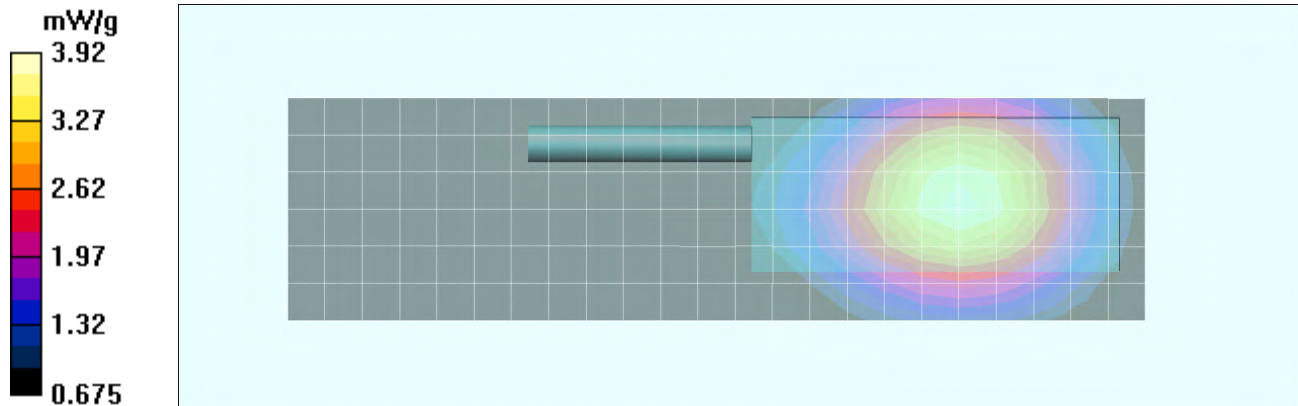
Reference Value = 33.1 V/m; Power Drift = -0.078 dB


Peak SAR (extrapolated) = 4.55 W/kg

SAR(1 g) = 3.7 mW/g; SAR(10 g) = 2.77 mW/g

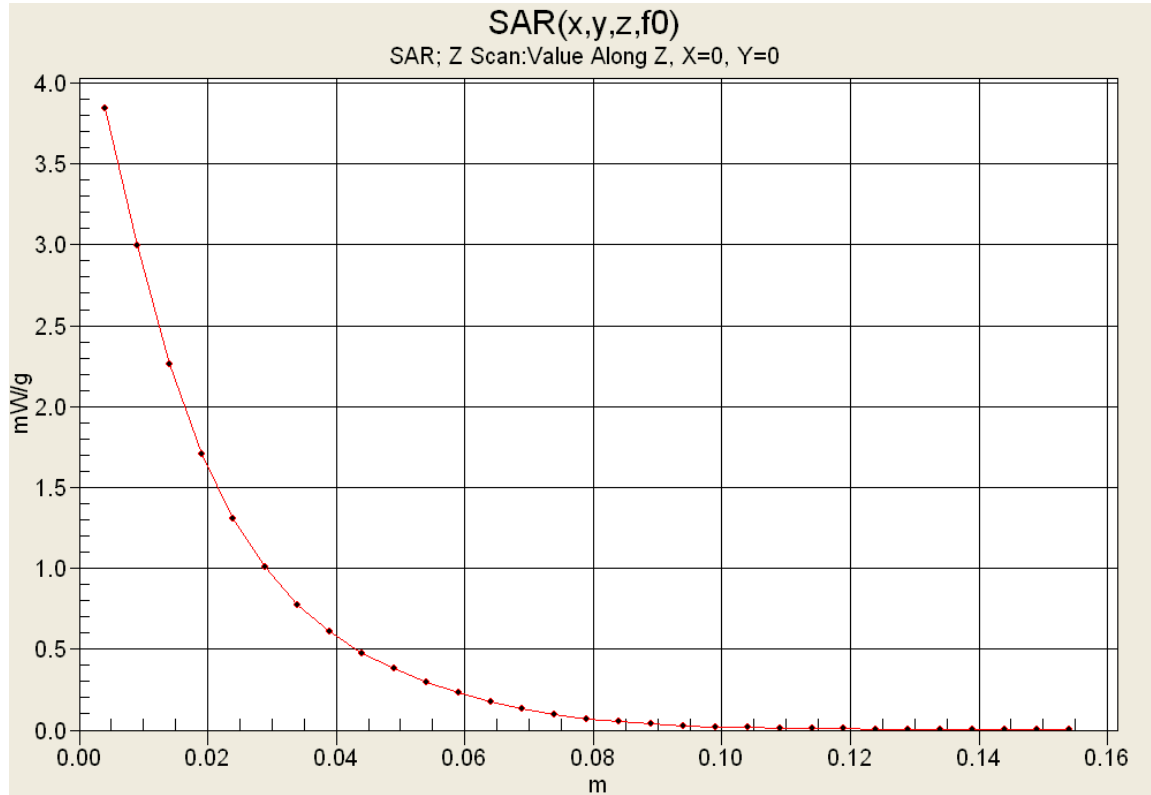
Info: Interpolated medium parameters used for SAR evaluation.



Maximum value of SAR (measured) = 3.92 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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Z-Axis Scan



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Face SAR Plot F8

Date Tested: 09/28/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 851 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 851 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 42.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.05 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

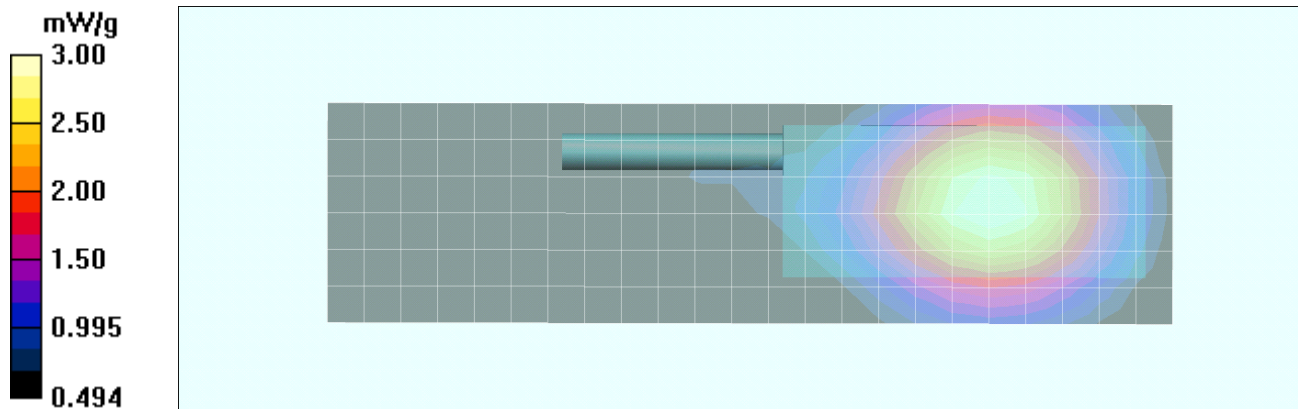
Reference Value = 30.2 V/m; Power Drift = -0.138 dB


Peak SAR (extrapolated) = 3.50 W/kg



SAR(1 g) = 2.84 mW/g; SAR(10 g) = 2.13 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.00 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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Face SAR Plot F9

Date Tested: 09/28/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 802 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 802 \text{ MHz}$; $\sigma = 0.894 \text{ mho/m}$; $\epsilon_r = 43.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.32 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

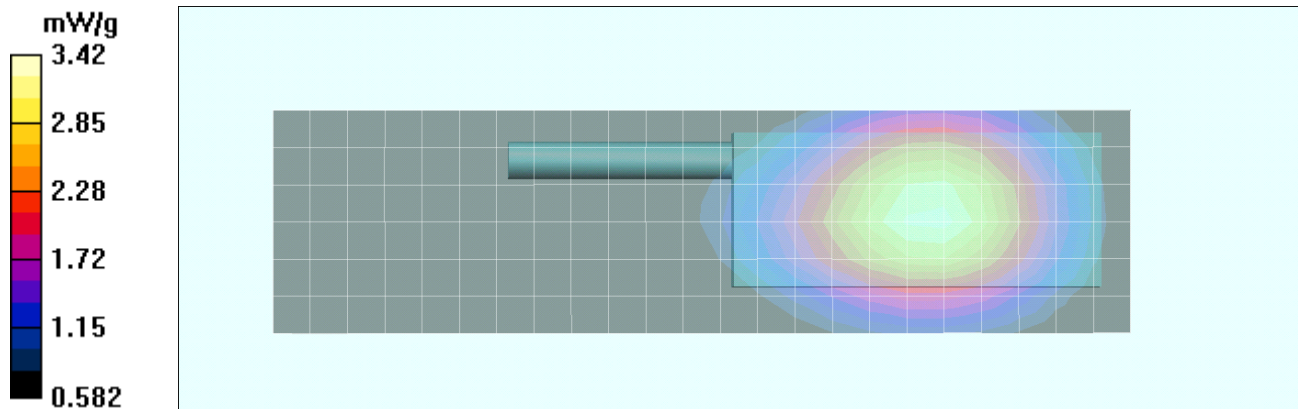
Reference Value = 37.2 V/m; Power Drift = -0.141 dB


Peak SAR (extrapolated) = 3.96 W/kg



SAR(1 g) = 3.24 mW/g; SAR(10 g) = 2.45 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.42 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F10

Date Tested: 09/29/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 27%

Communication System: CW

Frequency: 802 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 802 \text{ MHz}$; $\sigma = 0.877 \text{ mho/m}$; $\epsilon_r = 43$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.56 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

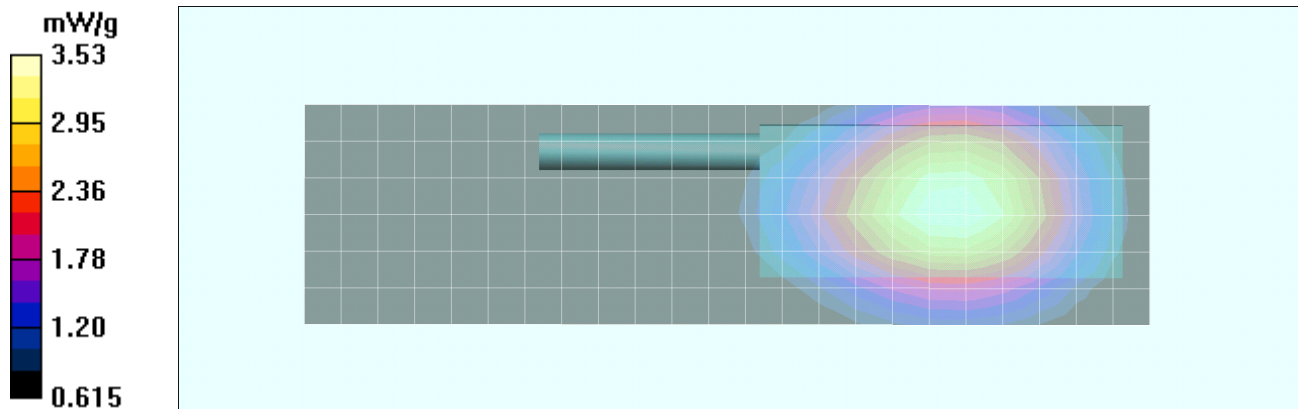
Reference Value = 36.9 V/m; Power Drift = -0.210 dB


Peak SAR (extrapolated) = 4.07 W/kg



SAR(1 g) = 3.34 mW/g; SAR(10 g) = 2.53 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.53 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F11

Date Tested: 09/29/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 27%

Communication System: CW

Frequency: 802 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 802 \text{ MHz}$; $\sigma = 0.877 \text{ mho/m}$; $\epsilon_r = 43$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.47 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

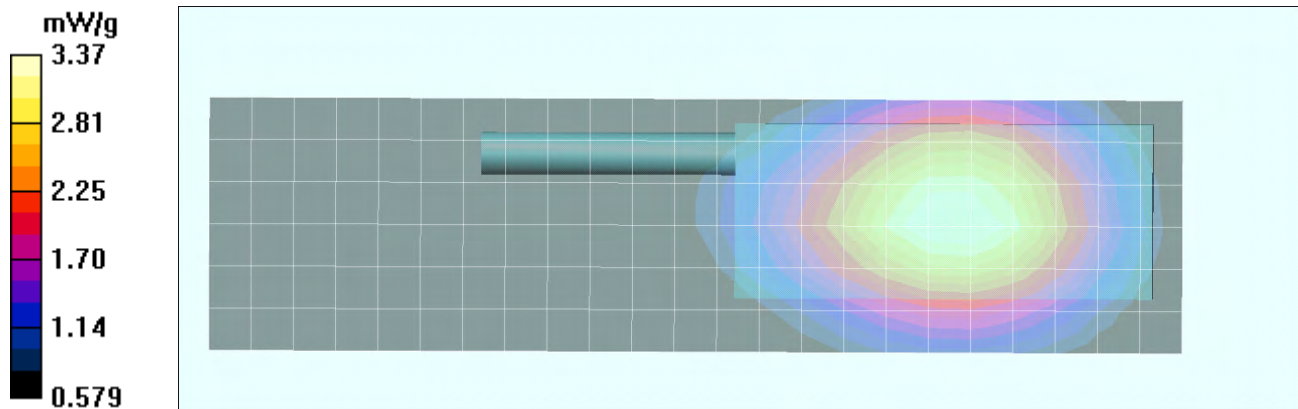
Reference Value = 37.7 V/m; Power Drift = -0.035 dB


Peak SAR (extrapolated) = 3.90 W/kg



SAR(1 g) = 3.21 mW/g; SAR(10 g) = 2.44 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.37 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F12

Date Tested: 09/29/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 27%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 43$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.81 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

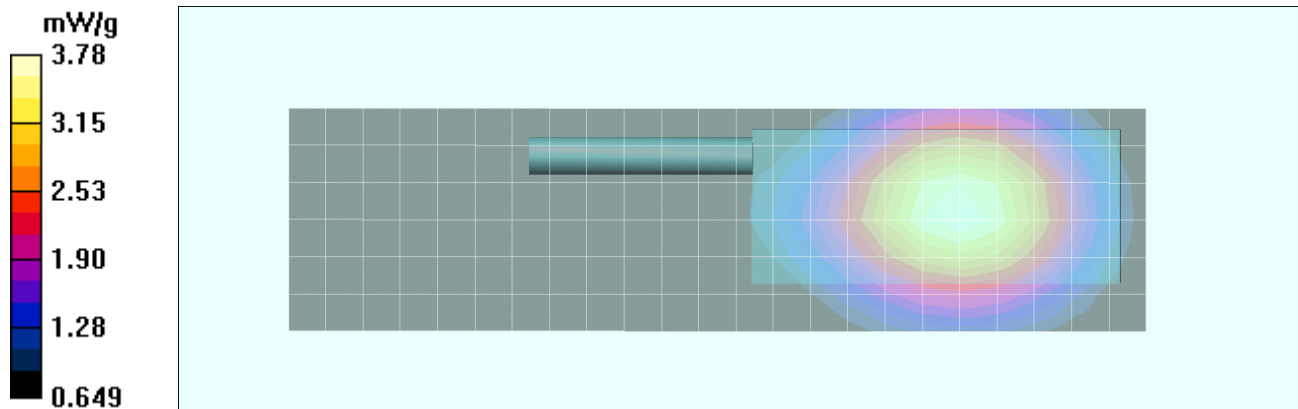
Reference Value = 32.5 V/m; Power Drift = -0.018 dB


Peak SAR (extrapolated) = 4.38 W/kg



SAR(1 g) = 3.57 mW/g; SAR(10 g) = 2.68 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.78 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F13

Date Tested: 09/29/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 27%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 43$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.84 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

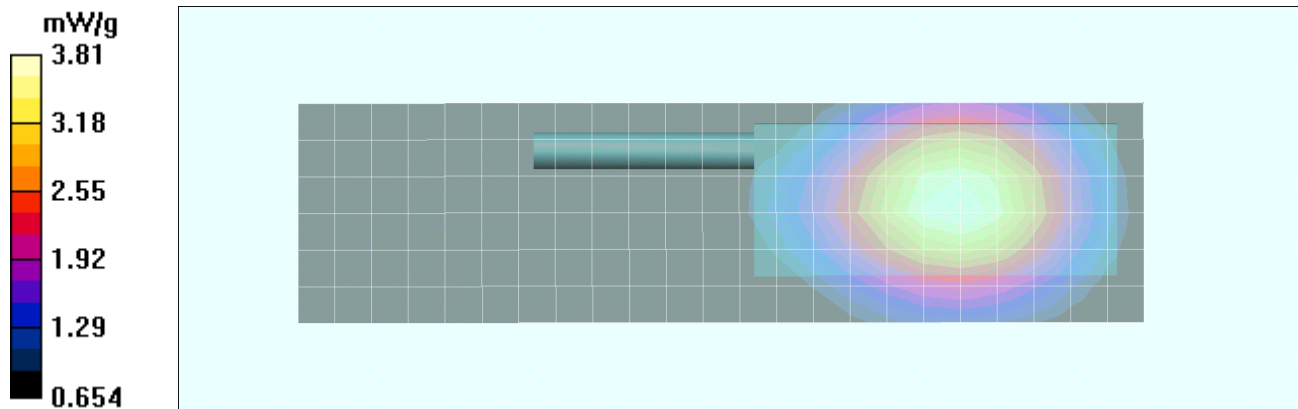
Reference Value = 33.9 V/m; Power Drift = -0.075 dB


Peak SAR (extrapolated) = 4.43 W/kg



SAR(1 g) = 3.6 mW/g; SAR(10 g) = 2.71 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

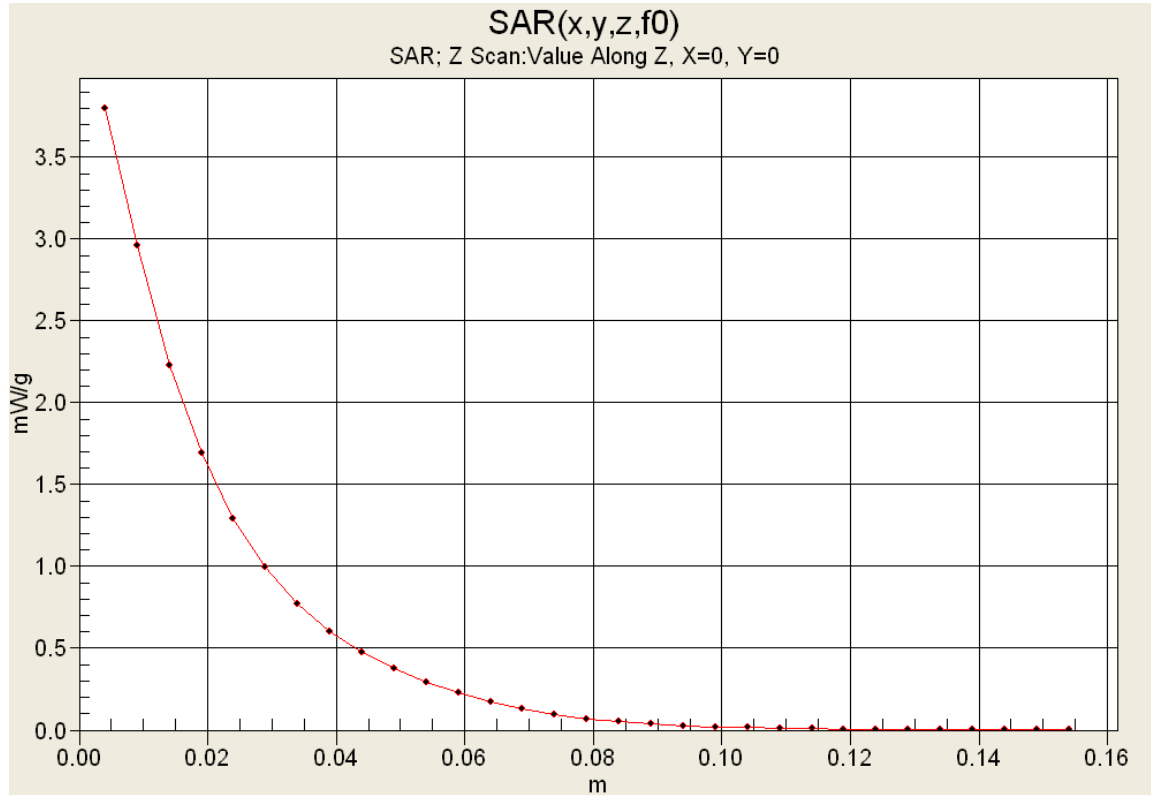
Maximum value of SAR (measured) = 3.81 mW/g






Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Z-Axis Scan



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F14

Date Tested: 09/29/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 27%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 43$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DAS4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.80 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

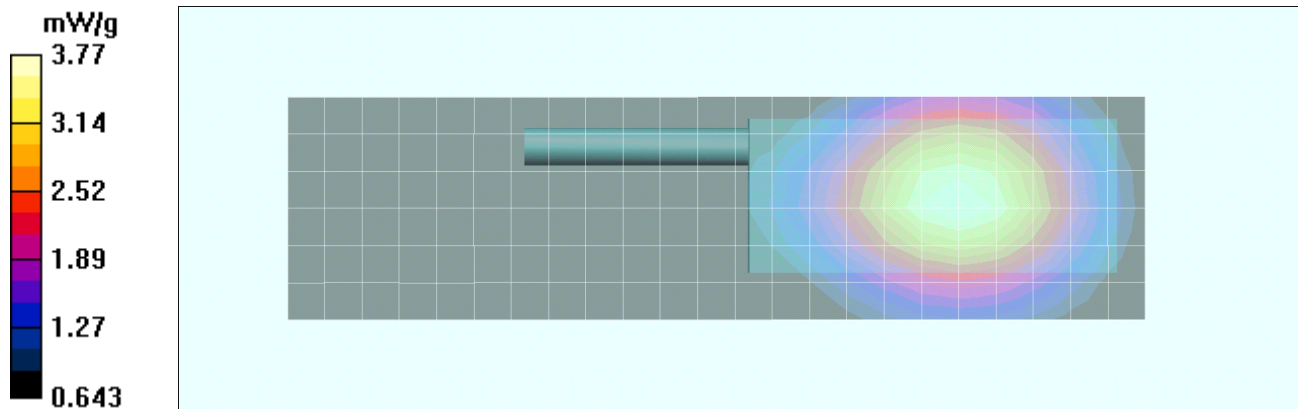
Reference Value = 33.2 V/m; Power Drift = -0.060 dB


Peak SAR (extrapolated) = 4.38 W/kg



SAR(1 g) = 3.56 mW/g; SAR(10 g) = 2.66 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.77 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F15

Date Tested: 09/29/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 27%

Communication System: CW

Frequency: 770 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 770 \text{ MHz}$; $\sigma = 0.86 \text{ mho/m}$; $\epsilon_r = 43.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x19x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.86 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

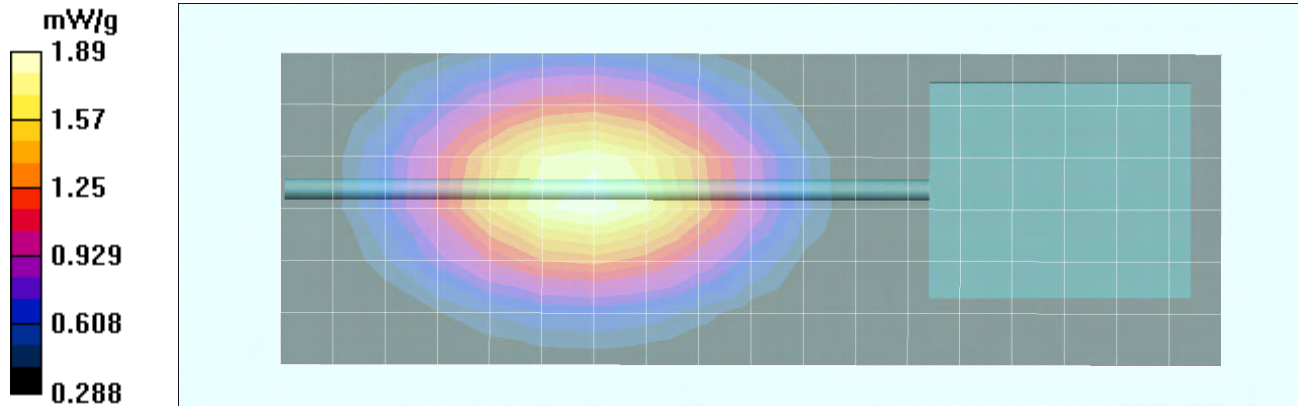
Reference Value = 12.6 V/m; Power Drift = -0.127 dB


Peak SAR (extrapolated) = 2.23 W/kg



SAR(1 g) = 1.77 mW/g; SAR(10 g) = 1.32 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.89 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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Face SAR Plot F16

Date Tested: 09/29/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 27%

Communication System: CW

Frequency: 802 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 802 \text{ MHz}$; $\sigma = 0.877 \text{ mho/m}$; $\epsilon_r = 43$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x19x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.82 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

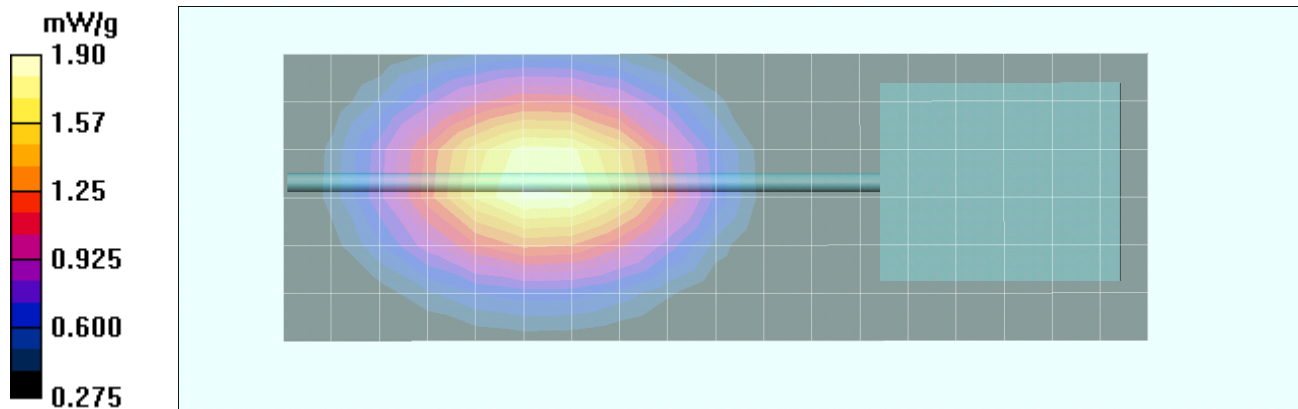
Reference Value = 8.75 V/m; Power Drift = -0.172 dB


Peak SAR (extrapolated) = 2.27 W/kg



SAR(1 g) = 1.79 mW/g; SAR(10 g) = 1.3 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.90 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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Face SAR Plot F17

Date Tested: 09/29/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 27%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 43$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x19x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.47 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

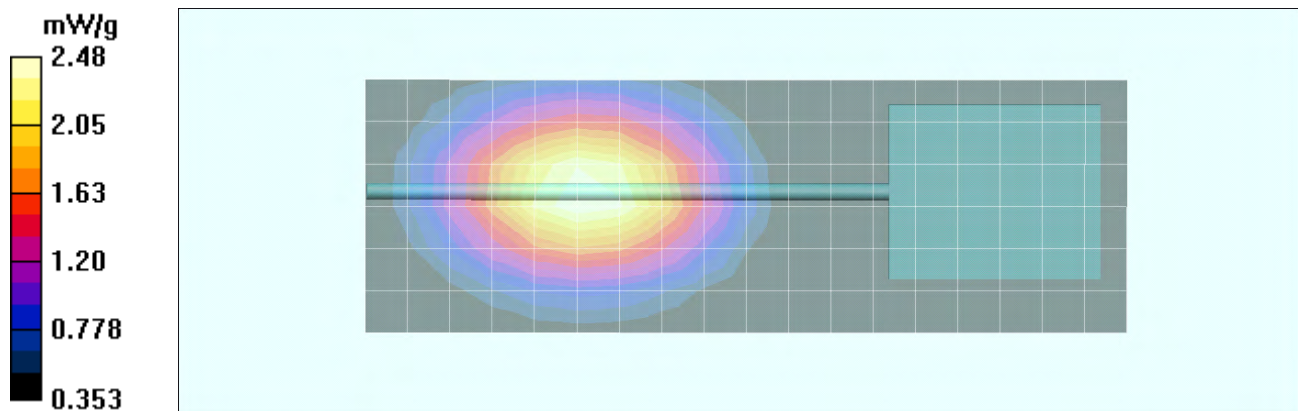
Reference Value = 7.49 V/m; Power Drift = -0.076 dB


Peak SAR (extrapolated) = 2.94 W/kg



SAR(1 g) = 2.34 mW/g; SAR(10 g) = 1.72 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.48 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F18

Date Tested: 09/29/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 27%

Communication System: CW

Frequency: 851 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 851 \text{ MHz}$; $\sigma = 0.926 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DAS4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x19x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.61 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

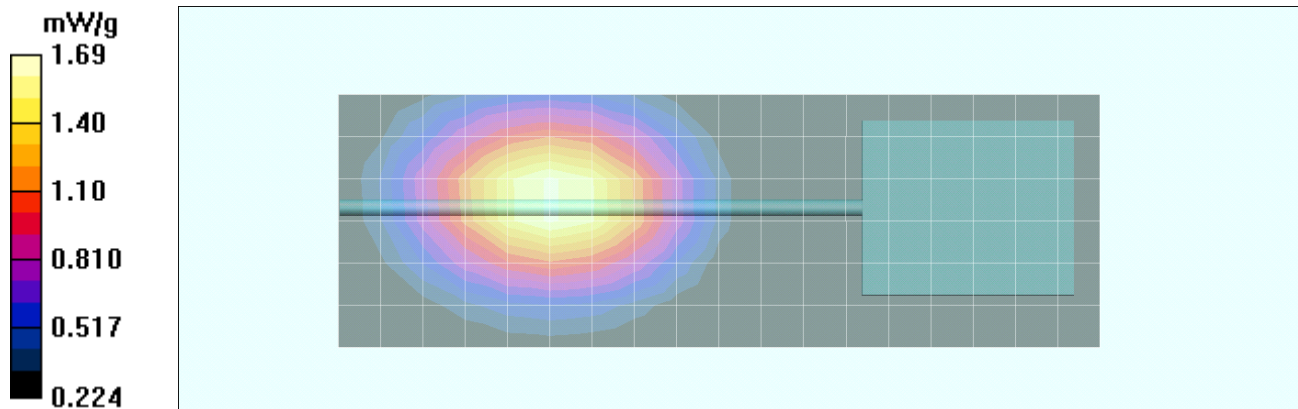
Reference Value = 7.20 V/m; Power Drift = -0.022 dB


Peak SAR (extrapolated) = 2.02 W/kg



SAR(1 g) = 1.59 mW/g; SAR(10 g) = 1.15 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.69 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F19

Date Tested: 09/29/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 27%

Communication System: CW

Frequency: 770 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 770 \text{ MHz}$; $\sigma = 0.86 \text{ mho/m}$; $\epsilon_r = 43.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x19x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.86 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

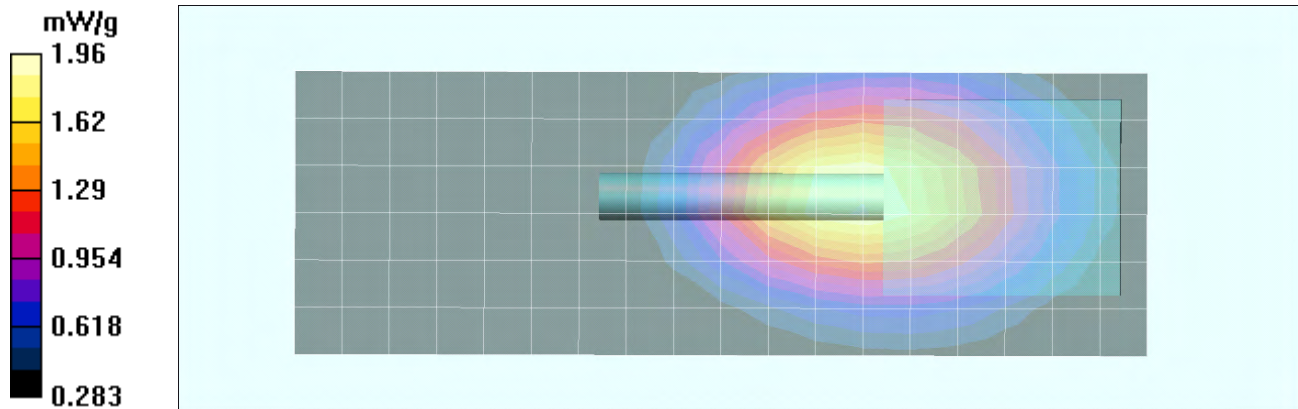
Reference Value = 49.2 V/m; Power Drift = -0.131 dB


Peak SAR (extrapolated) = 2.32 W/kg



SAR(1 g) = 1.84 mW/g; SAR(10 g) = 1.36 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.96 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F20

Date Tested: 09/29/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 27%

Communication System: CW

Frequency: 802 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 802 \text{ MHz}$; $\sigma = 0.877 \text{ mho/m}$; $\epsilon_r = 43$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x19x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.75 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

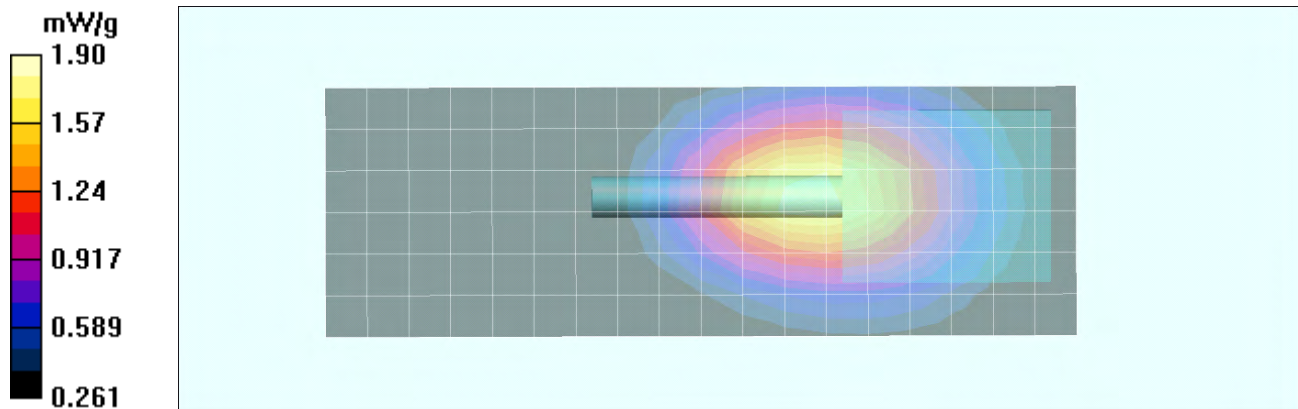
Reference Value = 47.0 V/m; Power Drift = -0.027 dB


Peak SAR (extrapolated) = 2.26 W/kg



SAR(1 g) = 1.77 mW/g; SAR(10 g) = 1.28 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.90 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F21

Date Tested: 09/29/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 27%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 43$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x19x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.36 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

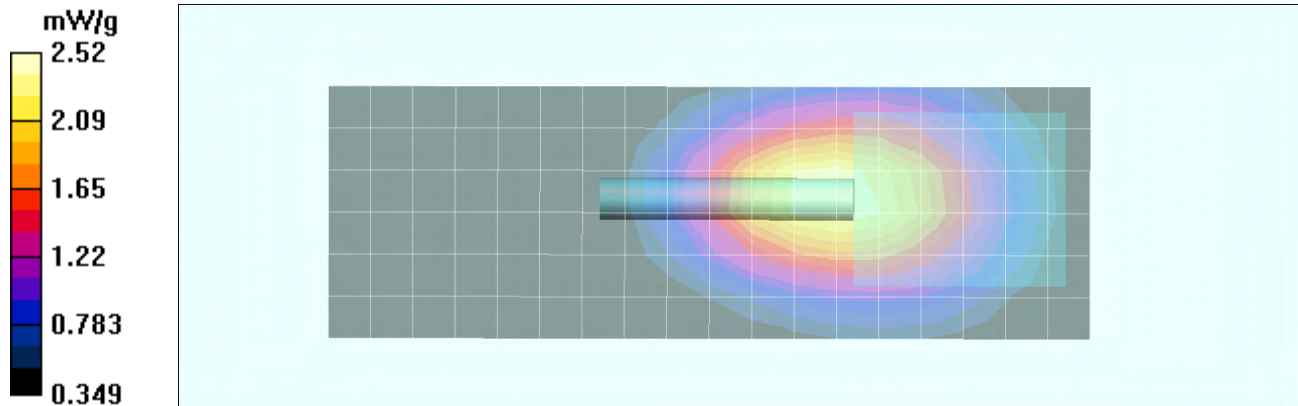
Reference Value = 54.4 V/m; Power Drift = -0.003 dB


Peak SAR (extrapolated) = 3.02 W/kg



SAR(1 g) = 2.37 mW/g; SAR(10 g) = 1.72 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.52 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F22

Date Tested: 09/29/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 22C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 27%

Communication System: CW

Frequency: 851 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 851 \text{ MHz}$; $\sigma = 0.926 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.5, 6.5, 6.5); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x19x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.71 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

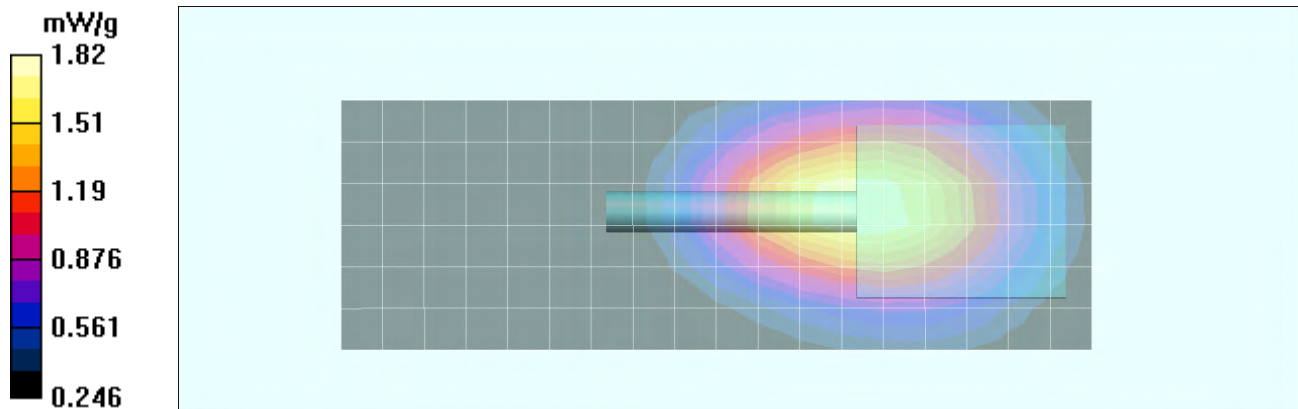
Reference Value = 46.3 V/m; Power Drift = -0.036 dB


Peak SAR (extrapolated) = 2.17 W/kg



SAR(1 g) = 1.72 mW/g; SAR(10 g) = 1.25 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.82 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B1

Date Tested: 09/23/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.3C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 770 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 770 \text{ MHz}$; $\sigma = 0.945 \text{ mho/m}$; $\epsilon_r = 57.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fibreglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.14 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

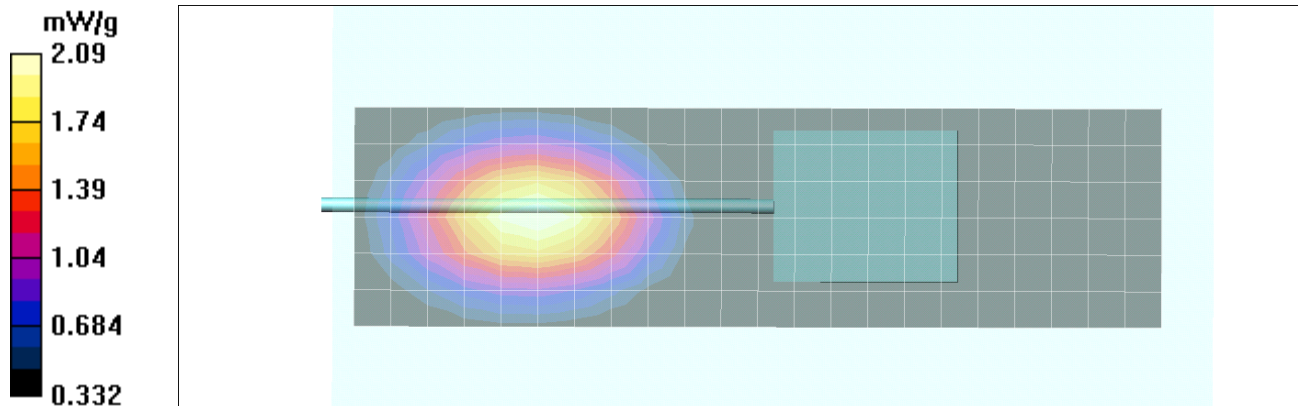
Reference Value = 11.2 V/m; Power Drift = -0.196 dB


Peak SAR (extrapolated) = 2.44 W/kg



SAR(1 g) = 1.97 mW/g; SAR(10 g) = 1.46 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.09 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B2

Date Tested: 09/23/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.3C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 802 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 802 \text{ MHz}$; $\sigma = 0.97 \text{ mho/m}$; $\epsilon_r = 57.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.26 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

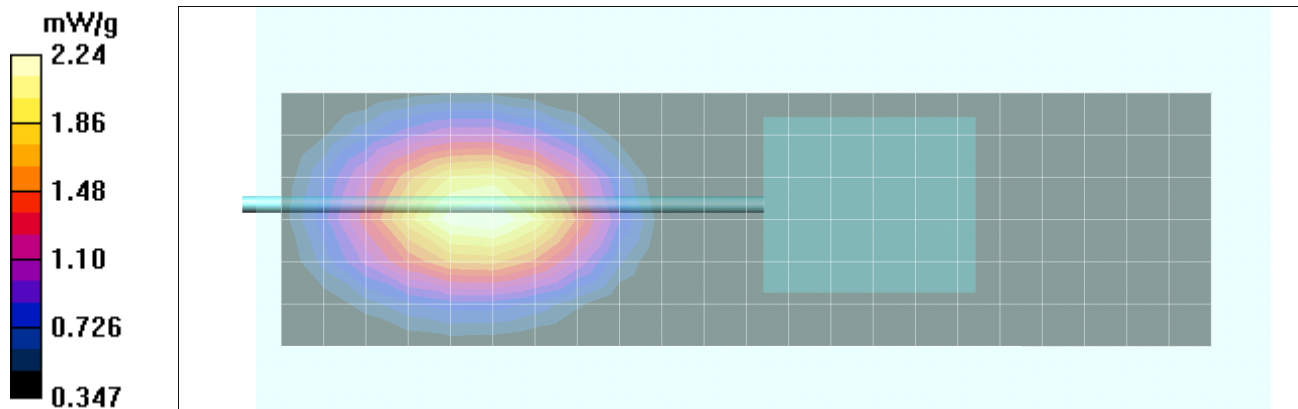
Reference Value = 8.90 V/m; Power Drift = -0.137 dB


Peak SAR (extrapolated) = 2.63 W/kg



SAR(1 g) = 2.11 mW/g; SAR(10 g) = 1.55 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.24 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B3

Date Tested: 09/26/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.979 \text{ mho/m}$; $\epsilon_r = 57$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x19x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.52 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

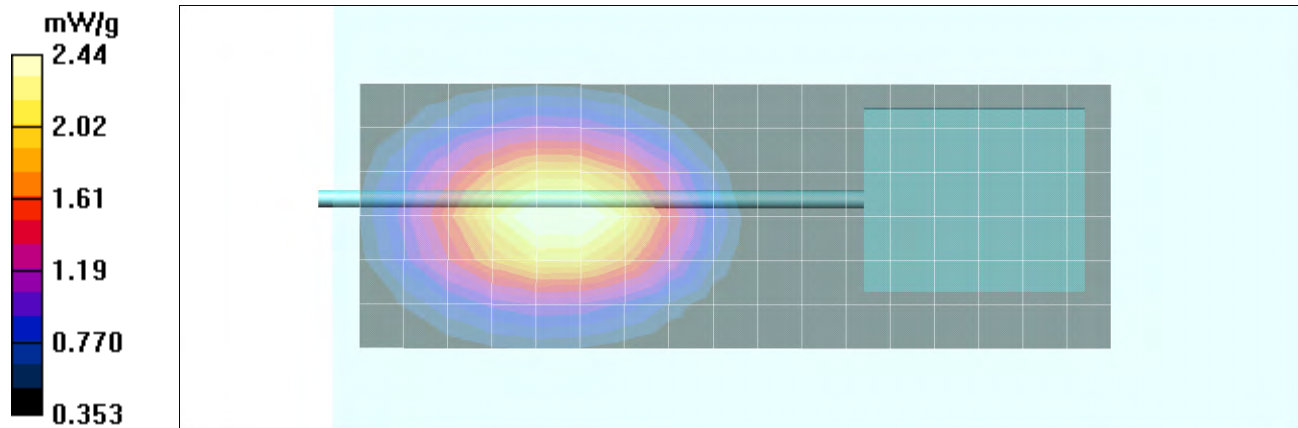
Reference Value = 7.94 V/m; Power Drift = 0.097 dB


Peak SAR (extrapolated) = 2.87 W/kg



SAR(1 g) = 2.3 mW/g; SAR(10 g) = 1.68 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.44 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B4

Date Tested: 09/26/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 851 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 851 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 57$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DAS4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x19x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.70 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

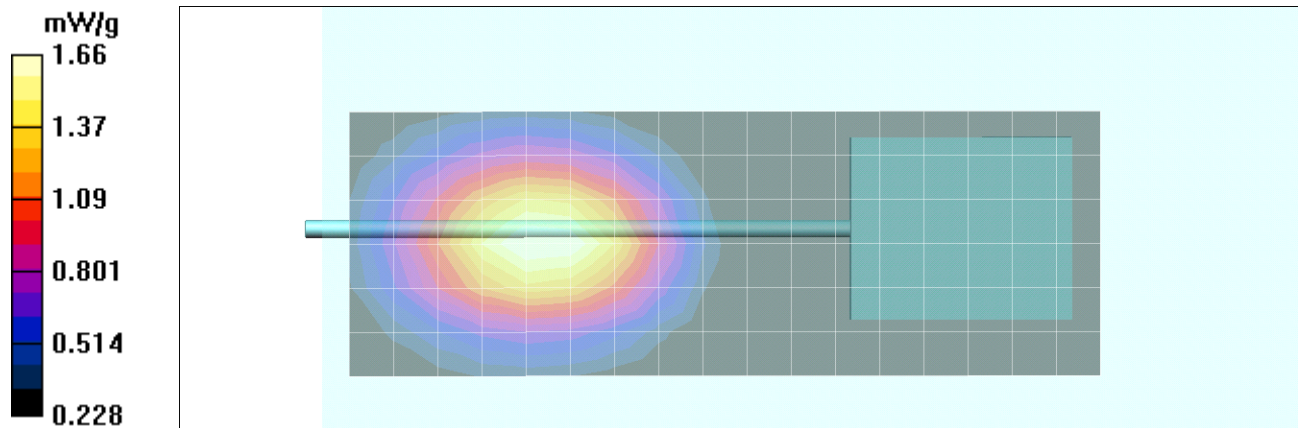
Reference Value = 7.76 V/m; Power Drift = -0.096 dB


Peak SAR (extrapolated) = 1.96 W/kg



SAR(1 g) = 1.56 mW/g; SAR(10 g) = 1.14 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.66 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B5

Date Tested: 09/26/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 770 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 770 \text{ MHz}$; $\sigma = 0.935 \text{ mho/m}$; $\epsilon_r = 57.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x19x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.48 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

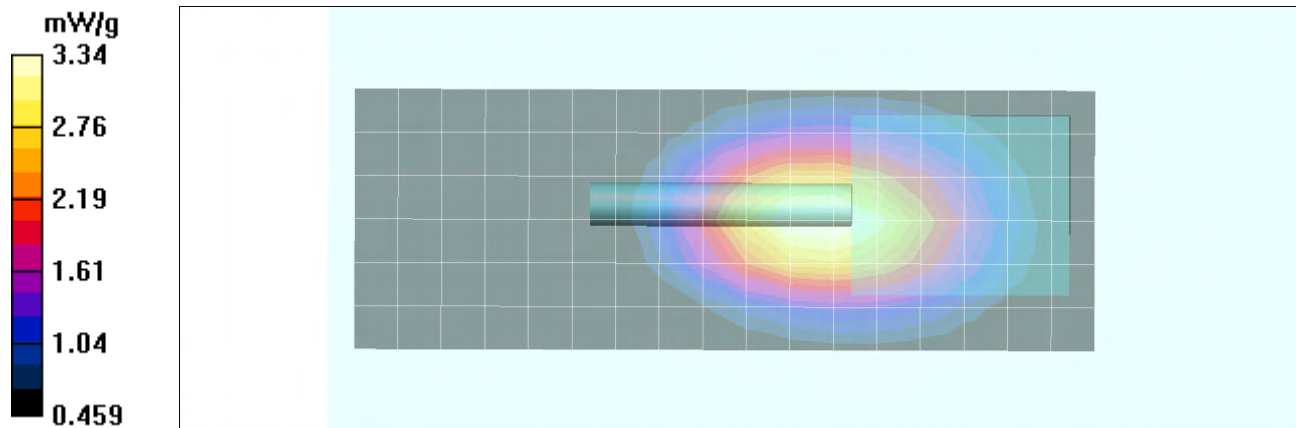
Reference Value = 60.6 V/m; Power Drift = -0.060 dB


Peak SAR (extrapolated) = 3.94 W/kg



SAR(1 g) = 3.11 mW/g; SAR(10 g) = 2.28 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.34 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B6

Date Tested: 09/26/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 802 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 802 \text{ MHz}$; $\sigma = 0.957 \text{ mho/m}$; $\epsilon_r = 57.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x19x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.66 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

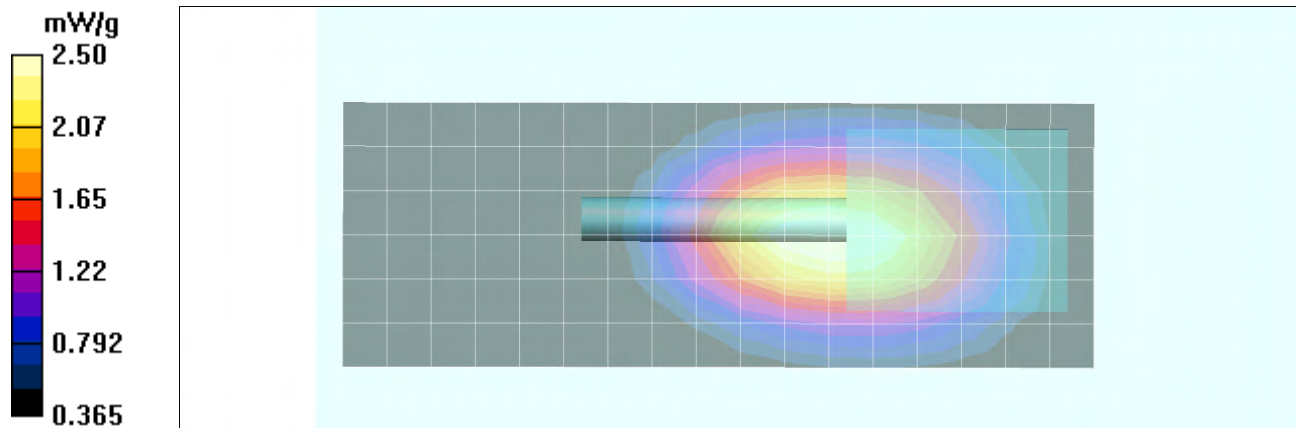
Reference Value = 53.2 V/m; Power Drift = -0.198 dB


Peak SAR (extrapolated) = 3.02 W/kg



SAR(1 g) = 2.35 mW/g; SAR(10 g) = 1.72 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.50 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B7

Date Tested: 09/26/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.979 \text{ mho/m}$; $\epsilon_r = 57$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fibreglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x19x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.51 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

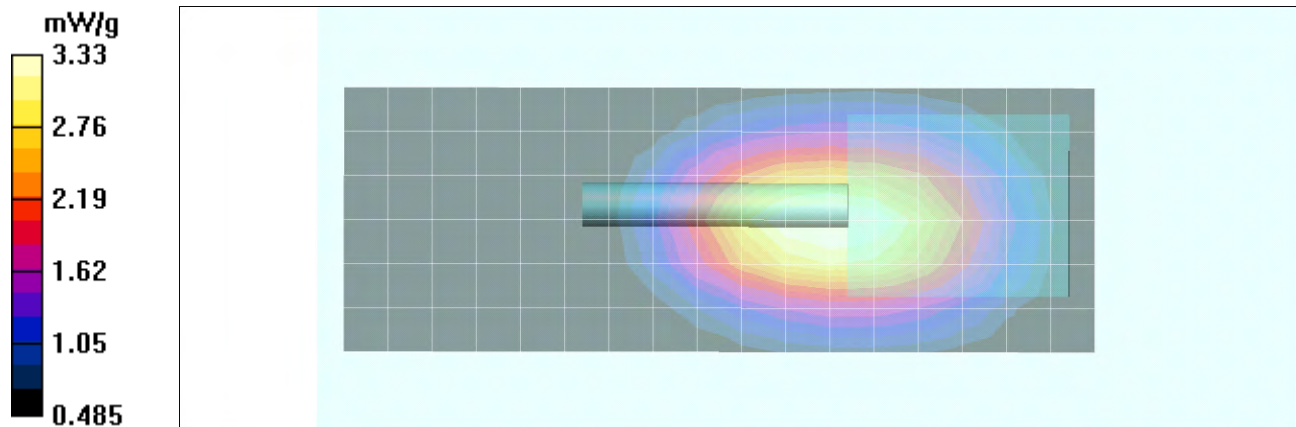
Reference Value = 60.9 V/m; Power Drift = -0.307 dB


Peak SAR (extrapolated) = 4.05 W/kg



SAR(1 g) = 3.11 mW/g; SAR(10 g) = 2.26 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.33 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B8

Date Tested: 09/26/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 851 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 851 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 57$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x19x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.79 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

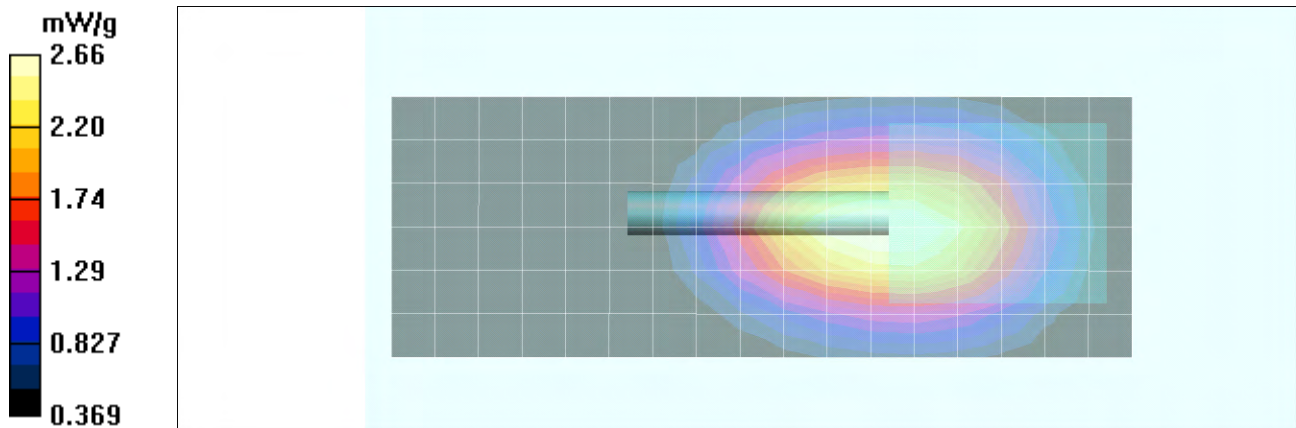
Reference Value = 53.2 V/m; Power Drift = -0.197 dB


Peak SAR (extrapolated) = 3.25 W/kg



SAR(1 g) = 2.5 mW/g; SAR(10 g) = 1.8 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.66 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Date(s) of Evaluation</u> 9/22-29 & 12/5-6, 2011	<u>Test Report Serial No.</u> 083011OWD-T1113-S90M	<u>Test Report Revision No.</u> Rev. 1.2 (3rd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B9

Date Tested: 09/07/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.5C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 770 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (extrapolated): $f = 770 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 57.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Extrapolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 7.13 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

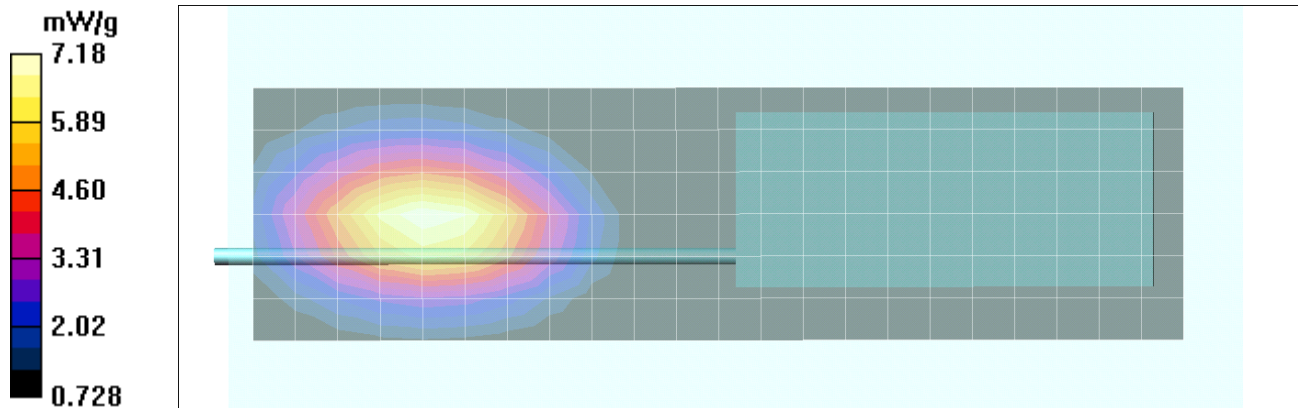
Reference Value = 11.9 V/m; Power Drift = -0.212 dB


Peak SAR (extrapolated) = 8.56 W/kg

SAR(1 g) = 6.65 mW/g; SAR(10 g) = 4.55 mW/g

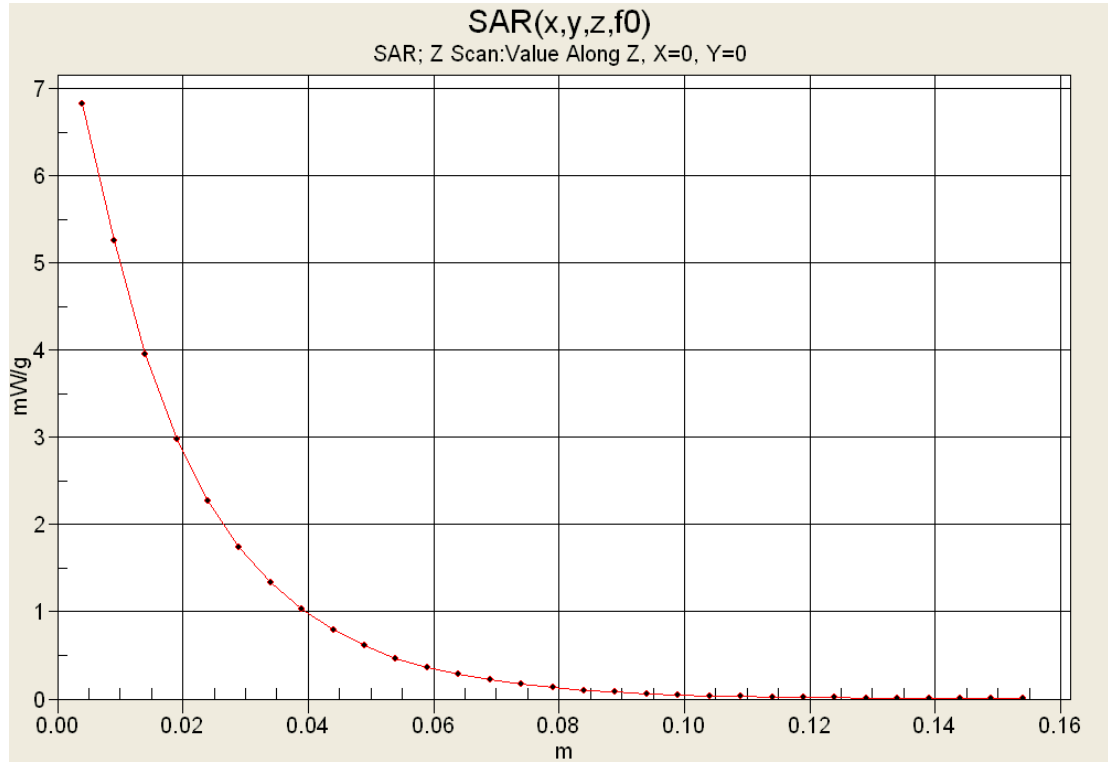
Info: Extrapolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 7.18 mW/g

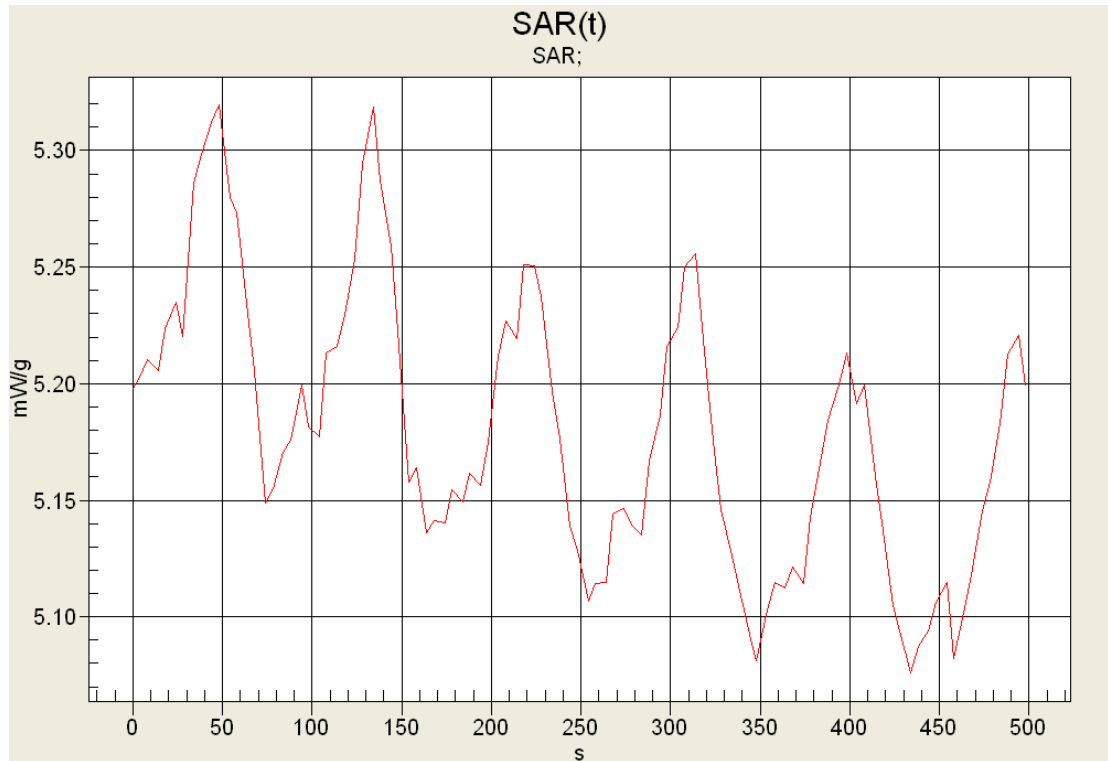




Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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Z-Axis Scan



SAR-versus-Time



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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B10

Date Tested: 09/07/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.5C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 802 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 802 \text{ MHz}$; $\sigma = 0.953 \text{ mho/m}$; $\epsilon_r = 57.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 7.28 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

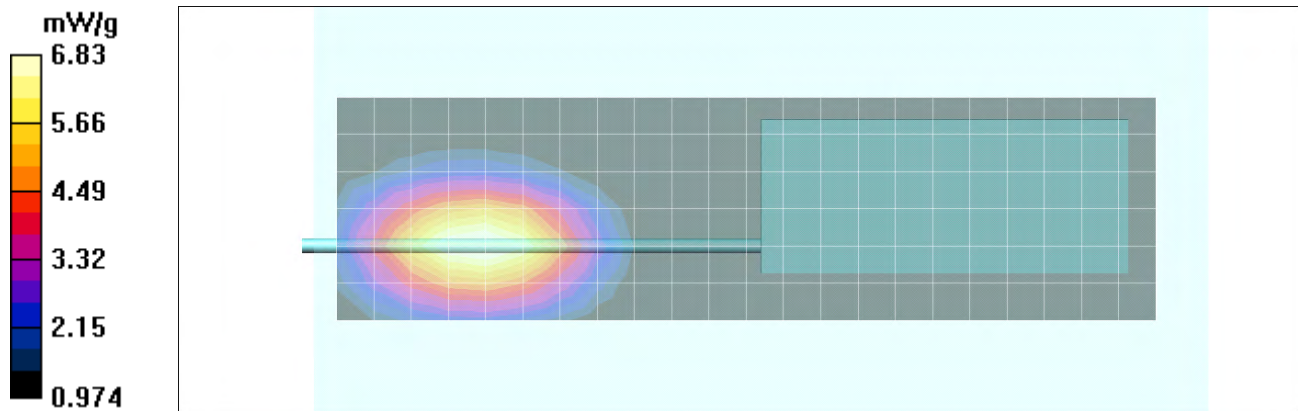
Reference Value = 12.1 V/m; Power Drift = -0.030 dB


Peak SAR (extrapolated) = 8.08 W/kg



SAR(1 g) = 6.38 mW/g; SAR(10 g) = 4.6 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B11

Date Tested: 09/07/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.5C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.969 \text{ mho/m}$; $\epsilon_r = 57.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.63 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

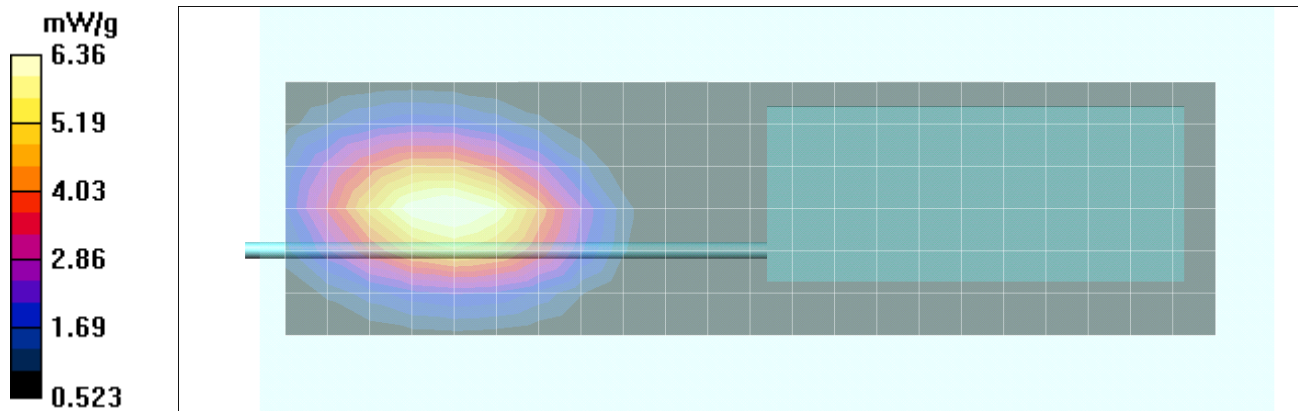
Reference Value = 13.7 V/m; Power Drift = -0.402 dB


Peak SAR (extrapolated) = 8.14 W/kg



SAR(1 g) = 5.85 mW/g; SAR(10 g) = 3.84 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.36 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B12

Date Tested: 09/08/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 851 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 851 \text{ MHz}$; $\sigma = 0.982 \text{ mho/m}$; $\epsilon_r = 56.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.88 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

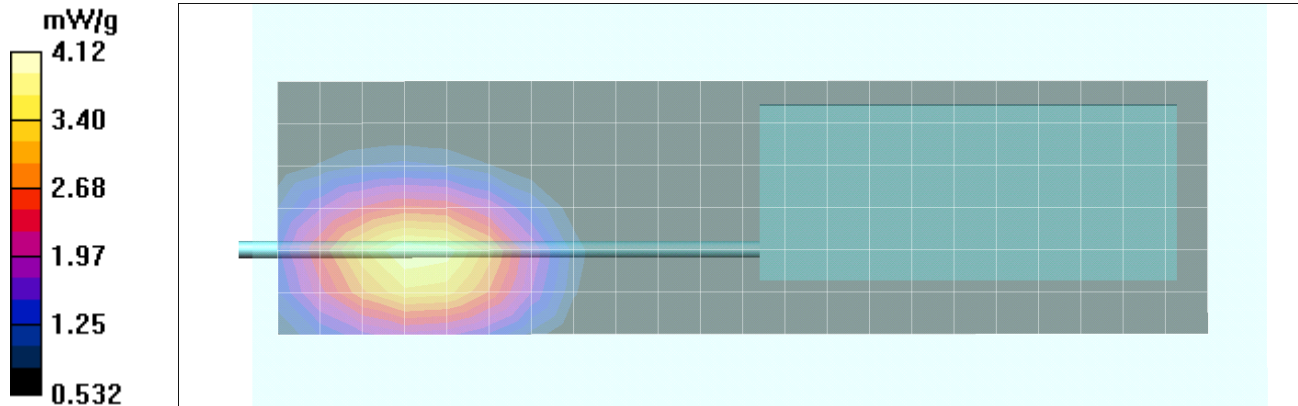
Reference Value = 13.2 V/m; Power Drift = -0.005 dB


Peak SAR (extrapolated) = 4.96 W/kg



SAR(1 g) = 3.88 mW/g; SAR(10 g) = 2.79 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 4.12 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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Body SAR Plot B13

Date Tested: 09/07/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.5C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 770 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (extrapolated): $f = 770 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 57.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fibreglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x17x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Extrapolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 7.29 mW/g

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

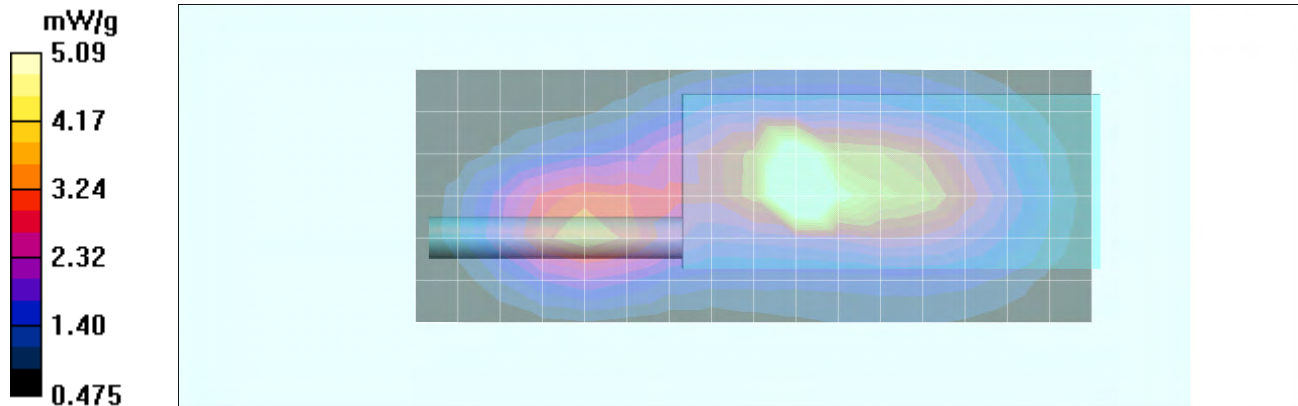
Reference Value = 50.2 V/m; Power Drift = -0.097 dB


Peak SAR (extrapolated) = 7.93 W/kg



SAR(1 g) = 4.61 mW/g; SAR(10 g) = 3.03 mW/g

Info: Extrapolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.09 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B14

Date Tested: 09/07/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.5C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 802 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 802 \text{ MHz}$; $\sigma = 0.953 \text{ mho/m}$; $\epsilon_r = 57.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x17x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

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

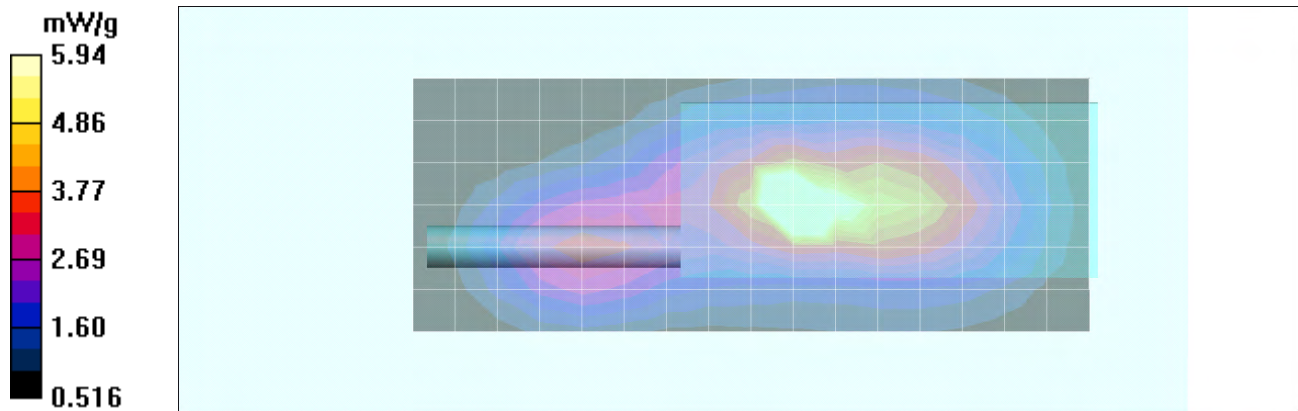
Reference Value = 53.7 V/m; Power Drift = -0.042 dB


Peak SAR (extrapolated) = 10.4 W/kg



SAR(1 g) = 5.51 mW/g; SAR(10 g) = 3.35 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B15

Date Tested: 09/08/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.967 \text{ mho/m}$; $\epsilon_r = 57.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x17x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 4.86 mW/g

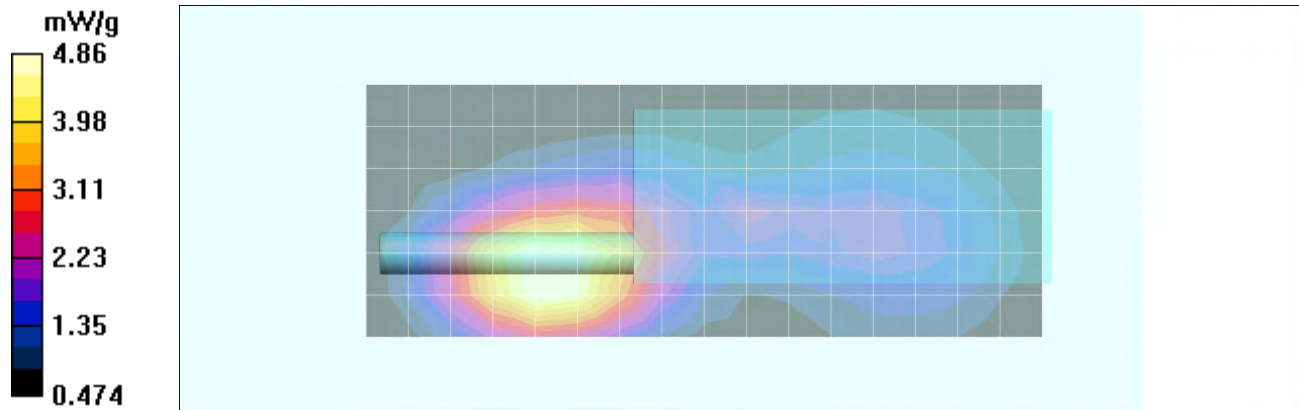
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 48.6 V/m; Power Drift = -0.273 dB



Peak SAR (extrapolated) = 5.93 W/kg

SAR(1 g) = 4.57 mW/g; SAR(10 g) = 3.21 mW/g

Info: Interpolated medium parameters used for SAR evaluation.



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B16

Date Tested: 09/08/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 851 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 851 \text{ MHz}$; $\sigma = 0.982 \text{ mho/m}$; $\epsilon_r = 56.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x17x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 4.57 mW/g

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

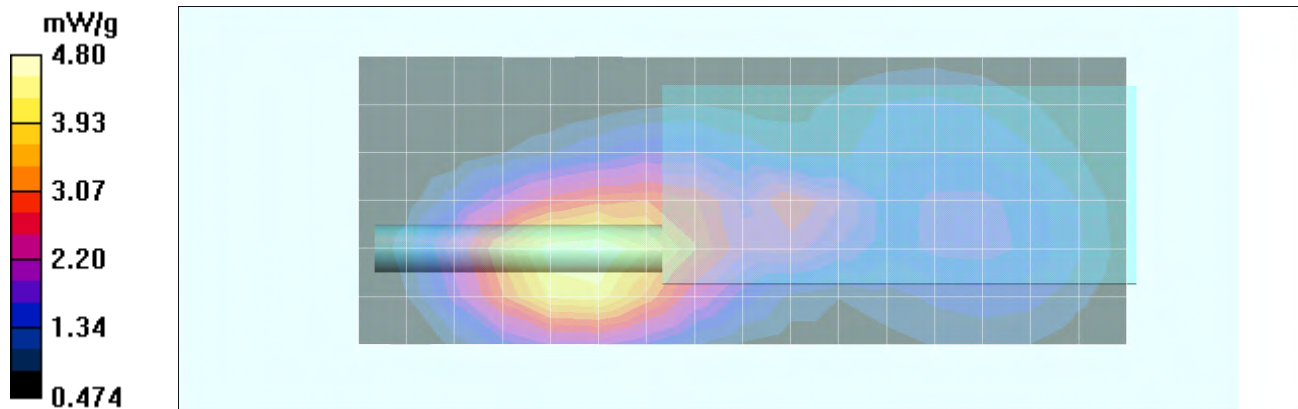
Reference Value = 54.3 V/m; Power Drift = -0.310 dB


Peak SAR (extrapolated) = 5.87 W/kg



SAR(1 g) = 4.48 mW/g; SAR(10 g) = 3.12 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 4.80 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B17

Date Tested: 09/08/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 770 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (extrapolated): $f = 770 \text{ MHz}$; $\sigma = 0.915 \text{ mho/m}$; $\epsilon_r = 57.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Extrapolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.88 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

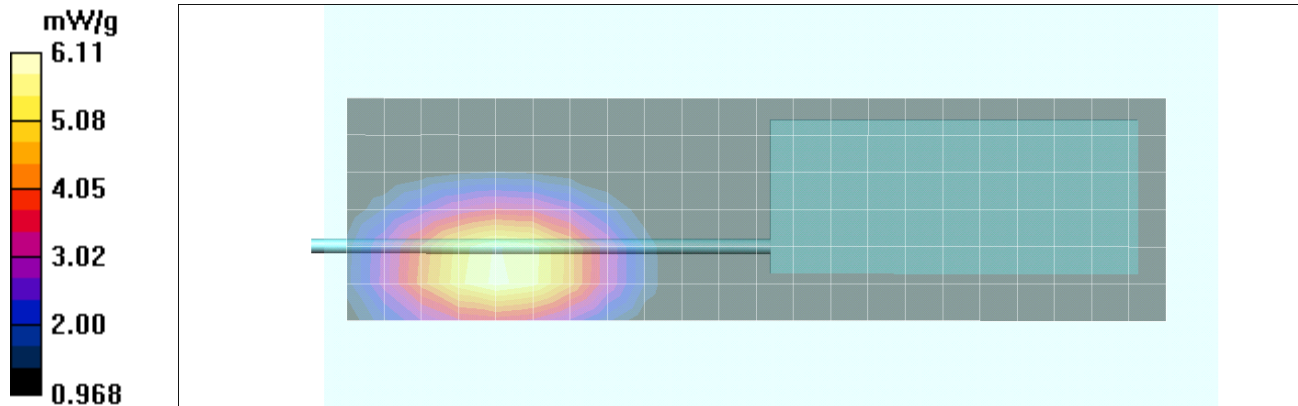
Reference Value = 12.5 V/m; Power Drift = -0.060 dB


Peak SAR (extrapolated) = 7.17 W/kg

SAR(1 g) = 5.76 mW/g; SAR(10 g) = 4.23 mW/g

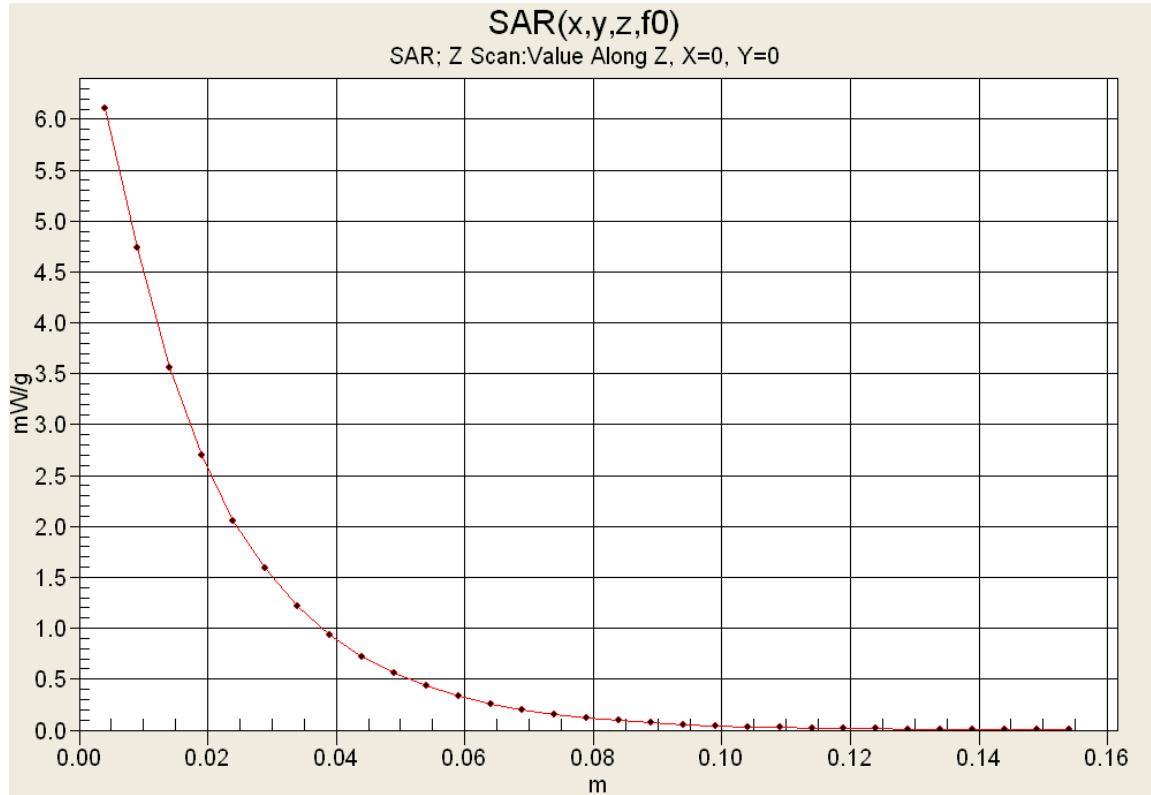
Info: Extrapolated medium parameters used for SAR evaluation.



Maximum value of SAR (measured) = 6.11 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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Z-Axis Scan



	<u>Date(s) of Evaluation</u> 9/22-29 & 12/5-6, 2011	<u>Test Report Serial No.</u> 083011OWD-T1113-S90M	<u>Test Report Revision No.</u> Rev. 1.2 (3rd Release)	
	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B18

Date Tested: 09/08/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 770 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (extrapolated): $f = 770 \text{ MHz}$; $\sigma = 0.915 \text{ mho/m}$; $\epsilon_r = 57.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Extrapolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.65 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

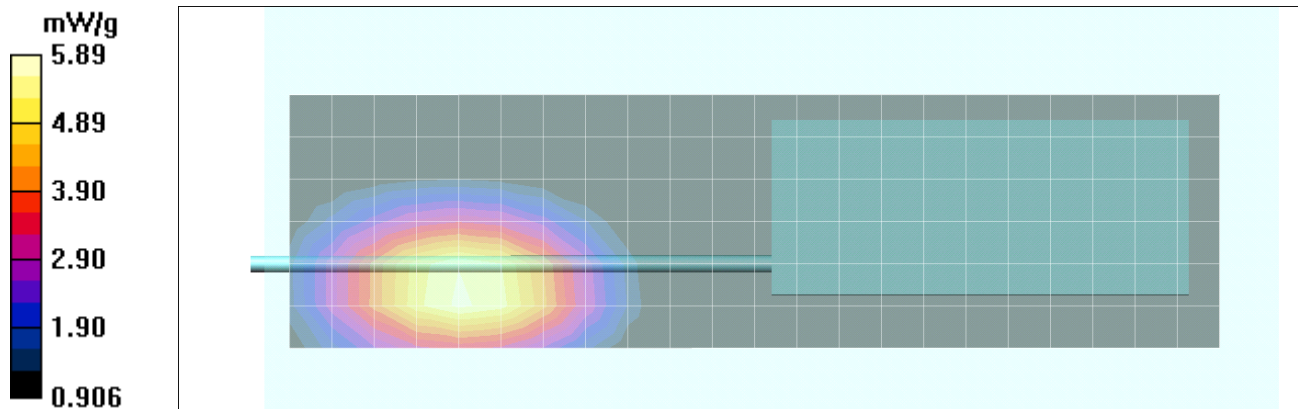
Reference Value = 16.5 V/m; Power Drift = -0.100 dB


Peak SAR (extrapolated) = 6.94 W/kg



SAR(1 g) = 5.53 mW/g; SAR(10 g) = 4.05 mW/g

Info: Extrapolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.89 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B19

Date Tested: 09/22/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.3C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 770 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 770 \text{ MHz}$; $\sigma = 0.925 \text{ mho/m}$; $\epsilon_r = 57.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fibreglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

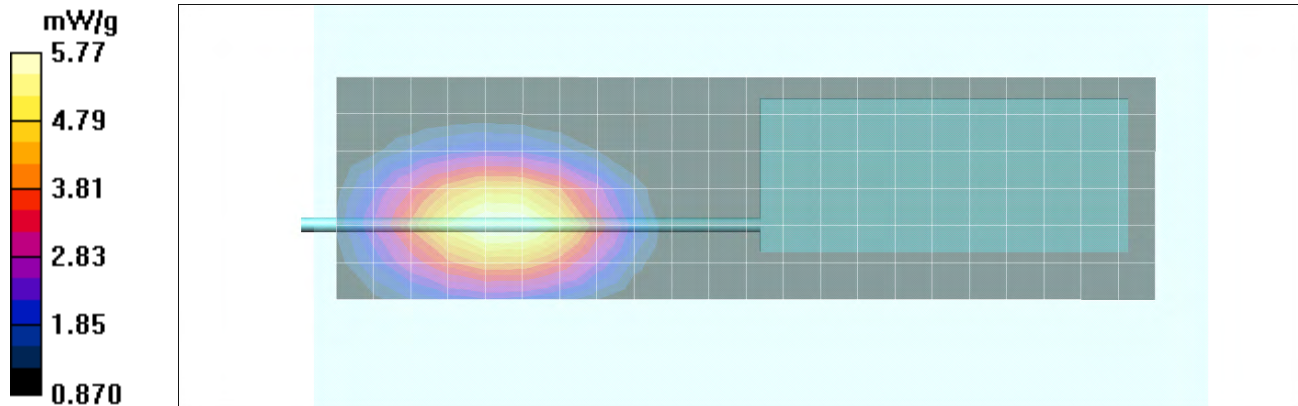
Reference Value = 13.4 V/m; Power Drift = -0.561 dB


Peak SAR (extrapolated) = 6.70 W/kg

SAR(1 g) = 5.42 mW/g; SAR(10 g) = 3.97 mW/g

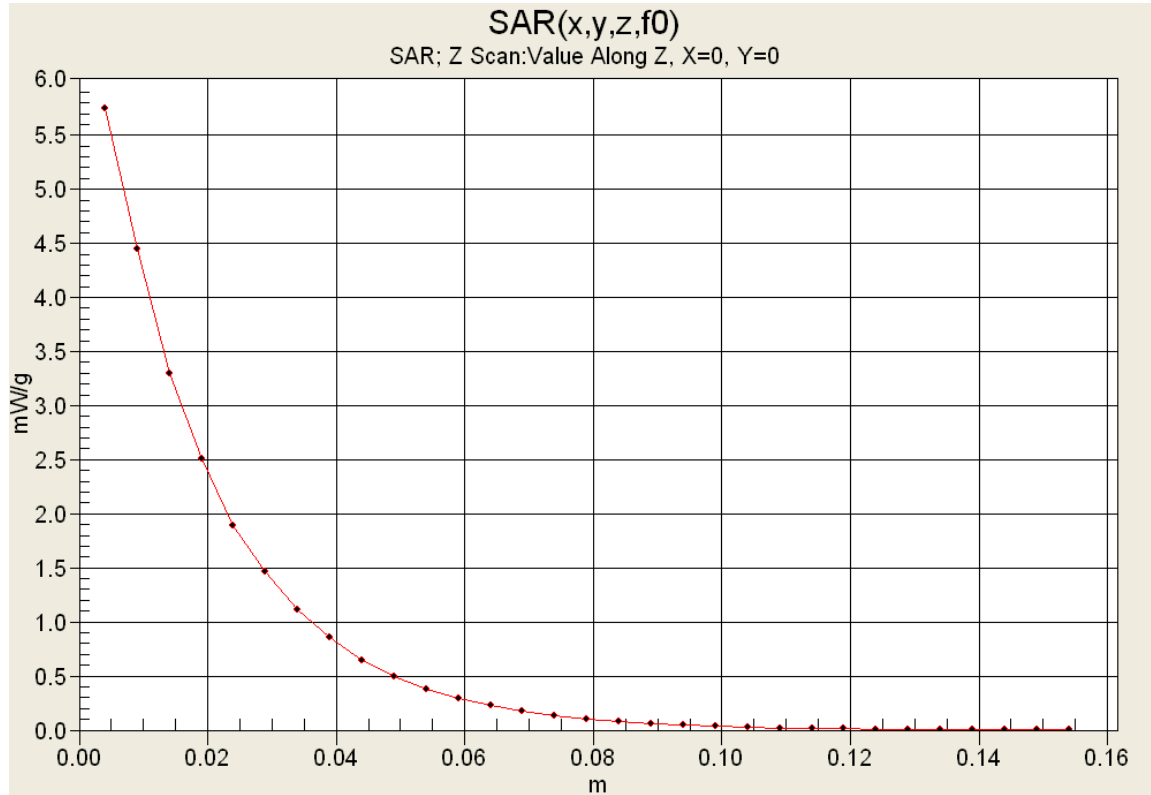
Info: Interpolated medium parameters used for SAR evaluation.



Maximum value of SAR (measured) = 5.77 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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Z-Axis Scan



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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B20

Date Tested: 09/08/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.967 \text{ mho/m}$; $\epsilon_r = 57.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

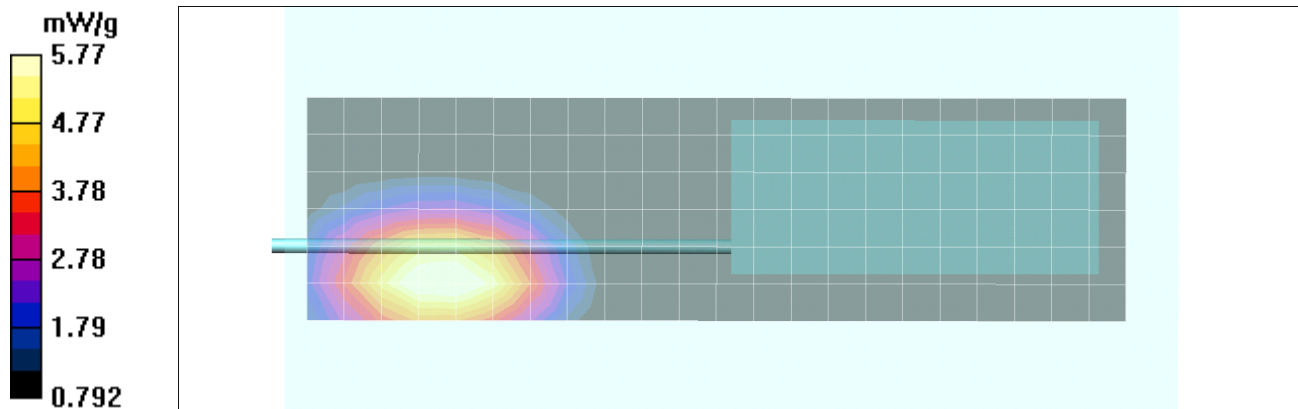
Reference Value = 10.8 V/m; Power Drift = 0.074 dB


Peak SAR (extrapolated) = 6.87 W/kg



SAR(1 g) = 5.43 mW/g; SAR(10 g) = 3.93 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.77 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B21

Date Tested: 09/08/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.967 \text{ mho/m}$; $\epsilon_r = 57.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 4.71 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

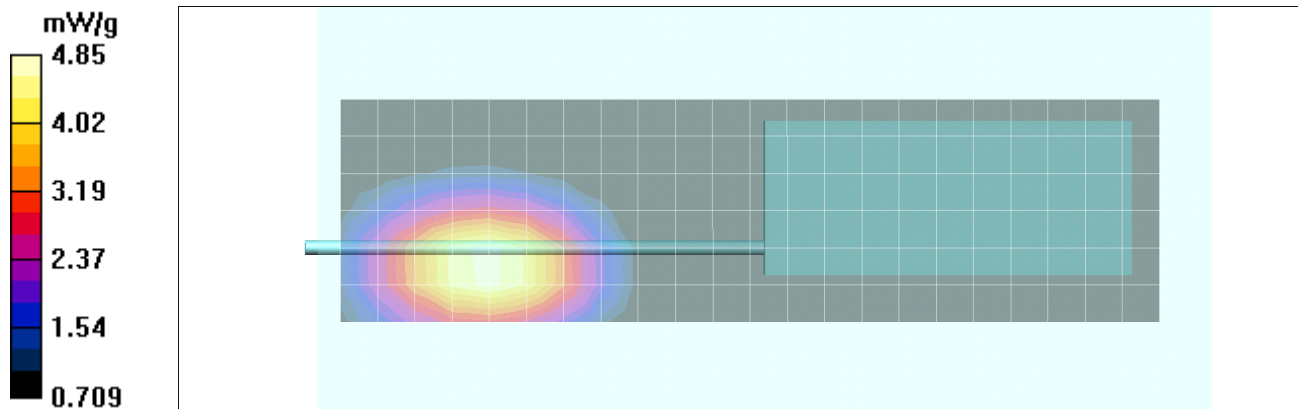
Reference Value = 11.1 V/m; Power Drift = -0.229 dB


Peak SAR (extrapolated) = 5.66 W/kg



SAR(1 g) = 4.55 mW/g; SAR(10 g) = 3.31 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 4.85 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B22

Date Tested: 09/22/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.3C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.979 \text{ mho/m}$; $\epsilon_r = 56.7$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.77 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

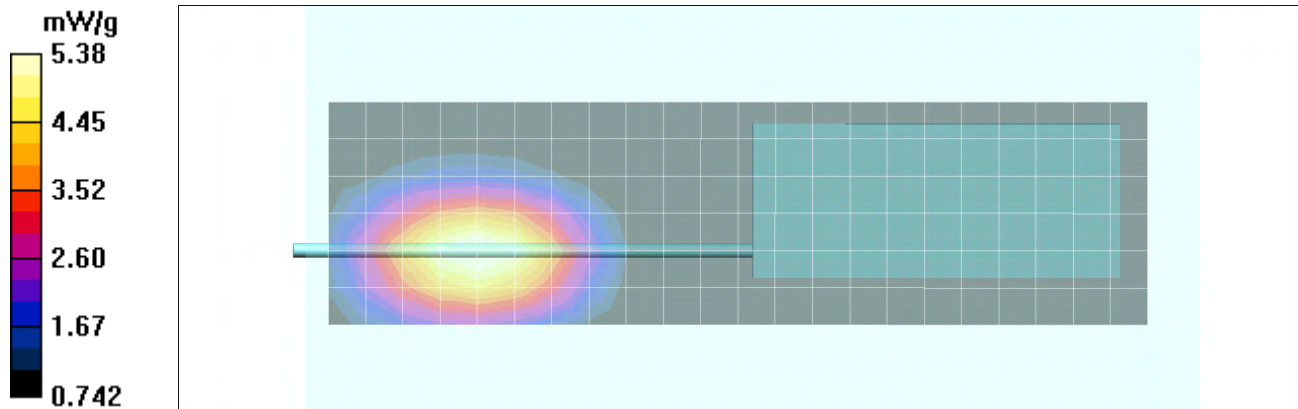
Reference Value = 13.2 V/m; Power Drift = 0.003 dB


Peak SAR (extrapolated) = 6.46 W/kg



SAR(1 g) = 5.05 mW/g; SAR(10 g) = 3.62 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.38 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B23

Date Tested: 09/08/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 770 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (extrapolated): $f = 770 \text{ MHz}$; $\sigma = 0.915 \text{ mho/m}$; $\epsilon_r = 57.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Extrapolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.52 mW/g

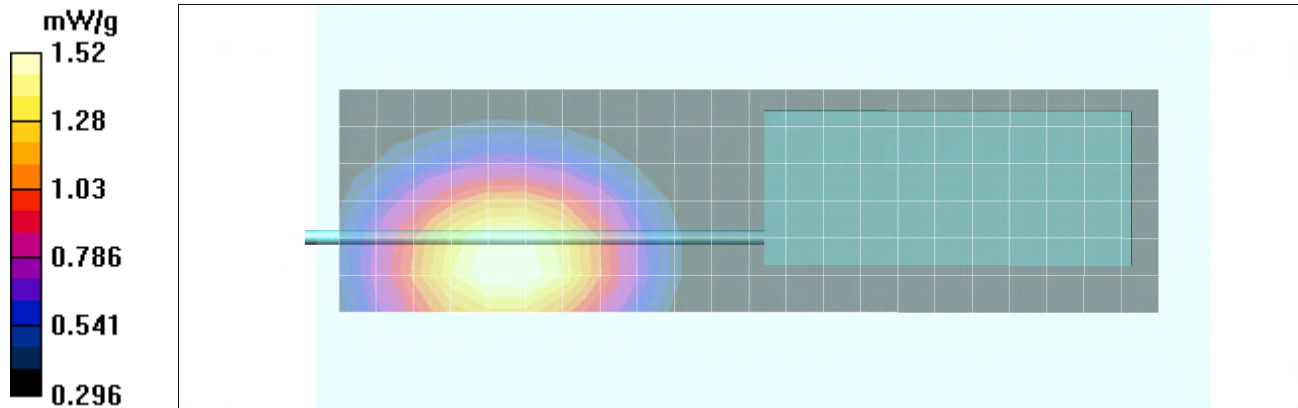
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$


Reference Value = 11.4 V/m; Power Drift = -0.373 dB



Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 1.45 mW/g; SAR(10 g) = 1.11 mW/g

Info: Extrapolated medium parameters used for SAR evaluation.



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B24

Date Tested: 09/09/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.4C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 802 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 802 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 56.7$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.31 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

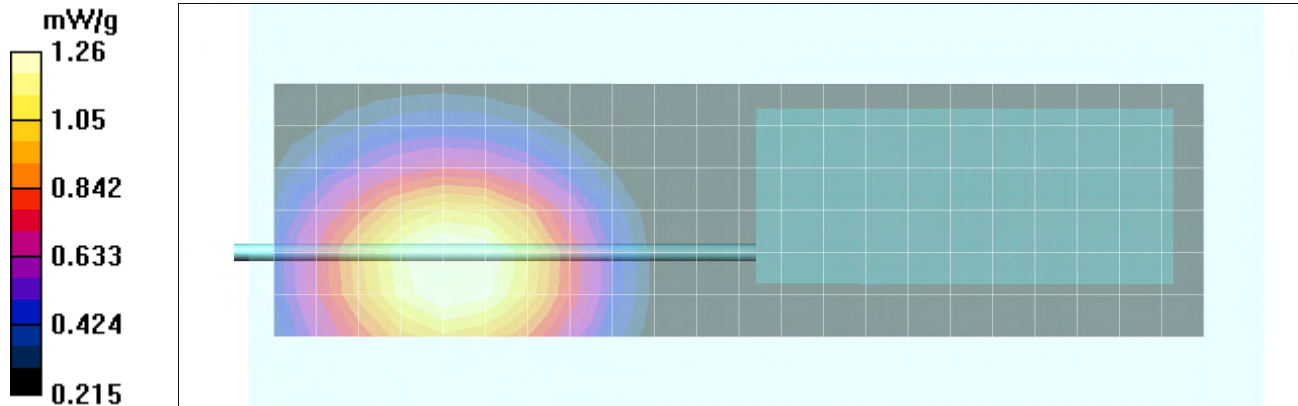
Reference Value = 8.13 V/m; Power Drift = -0.507 dB


Peak SAR (extrapolated) = 1.44 W/kg



SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.910 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.26 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B25

Date Tested: 09/09/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.4C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.959 \text{ mho/m}$; $\epsilon_r = 56.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fibreglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.40 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

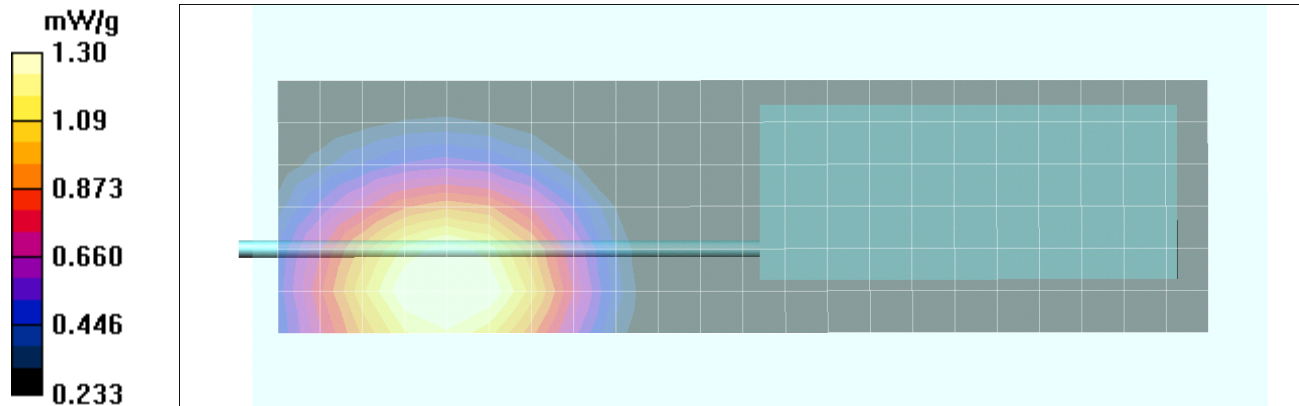
Reference Value = 5.74 V/m; Power Drift = -0.641 dB


Peak SAR (extrapolated) = 1.49 W/kg



SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.937 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.30 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Date(s) of Evaluation</u> 9/22-29 & 12/5-6, 2011	<u>Test Report Serial No.</u> 083011OWD-T1113-S90M	<u>Test Report Revision No.</u> Rev. 1.2 (3rd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B26

Date Tested: 09/09/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.4C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 851 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 851 \text{ MHz}$; $\sigma = 0.986 \text{ mho/m}$; $\epsilon_r = 56.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fibreglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.01 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

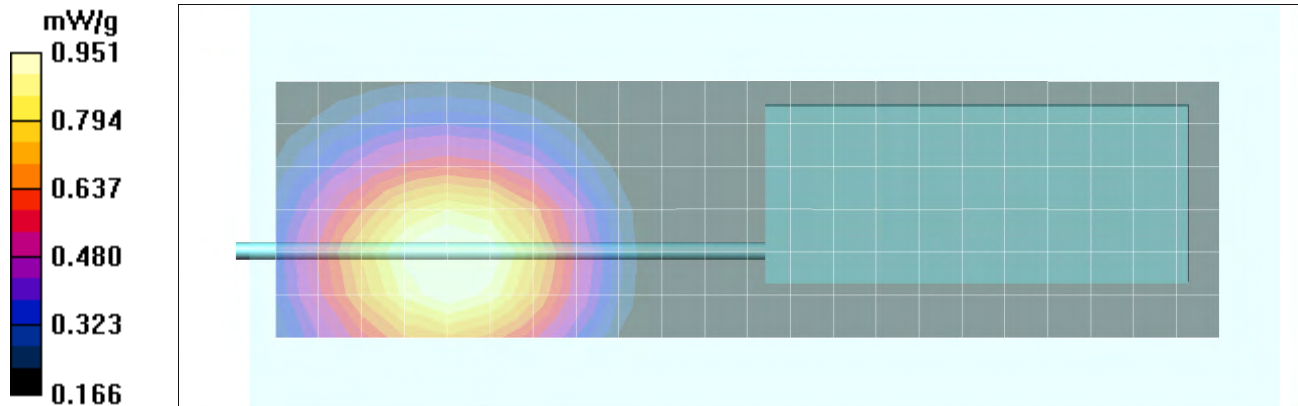
Reference Value = 5.76 V/m; Power Drift = -0.313 dB


Peak SAR (extrapolated) = 1.10 W/kg



SAR(1 g) = 0.898 mW/g; SAR(10 g) = 0.677 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.951 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B27

Date Tested: 09/08/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 770 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (extrapolated): $f = 770 \text{ MHz}$; $\sigma = 0.915 \text{ mho/m}$; $\epsilon_r = 57.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fibreglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x17x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Extrapolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.819 mW/g

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

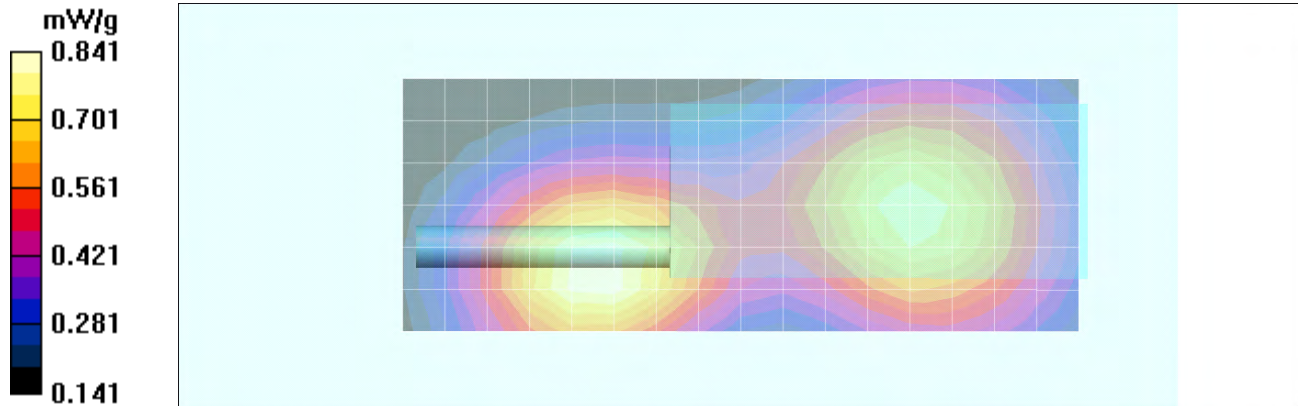
Reference Value = 24.7 V/m; Power Drift = -0.129 dB


Peak SAR (extrapolated) = 0.965 W/kg



SAR(1 g) = 0.800 mW/g; SAR(10 g) = 0.605 mW/g

Info: Extrapolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.841 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B28

Date Tested: 09/09/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.4C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 802 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 802 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 56.7$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x17x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.995 mW/g

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

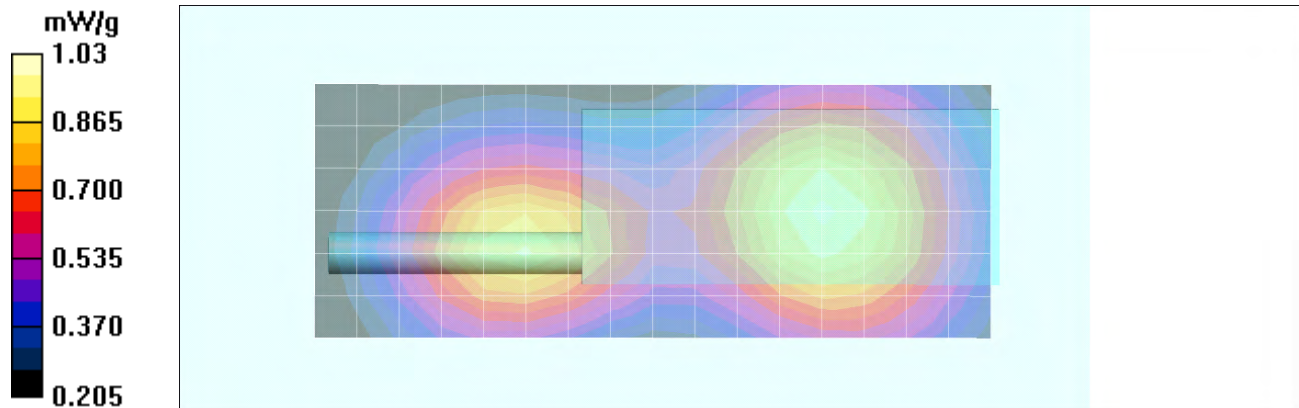
Reference Value = 28.8 V/m; Power Drift = -0.182 dB


Peak SAR (extrapolated) = 1.16 W/kg



SAR(1 g) = 0.977 mW/g; SAR(10 g) = 0.757 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.03 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B29

Date Tested: 09/09/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.4C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.959 \text{ mho/m}$; $\epsilon_r = 56.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x17x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.53 mW/g

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

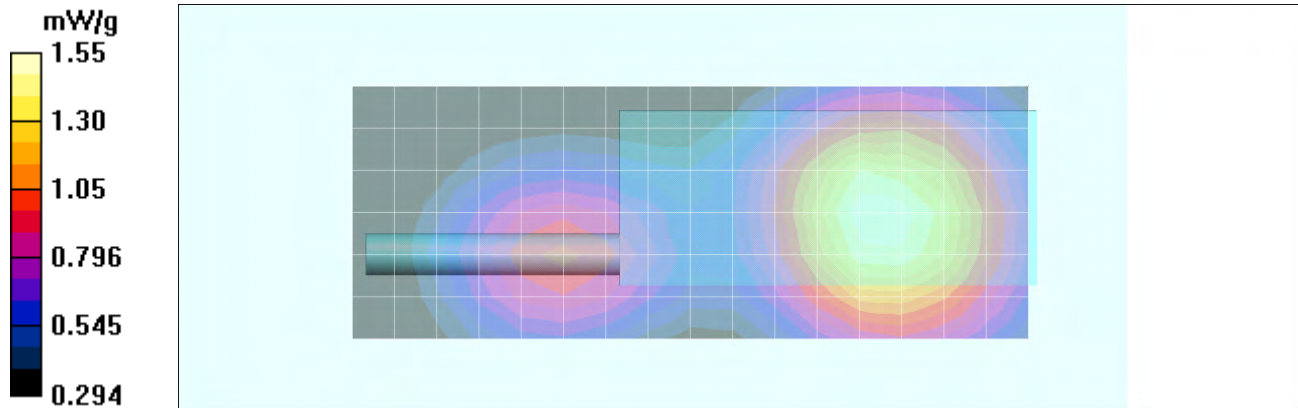
Reference Value = 27.8 V/m; Power Drift = -0.154 dB


Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 1.48 mW/g; SAR(10 g) = 1.14 mW/g

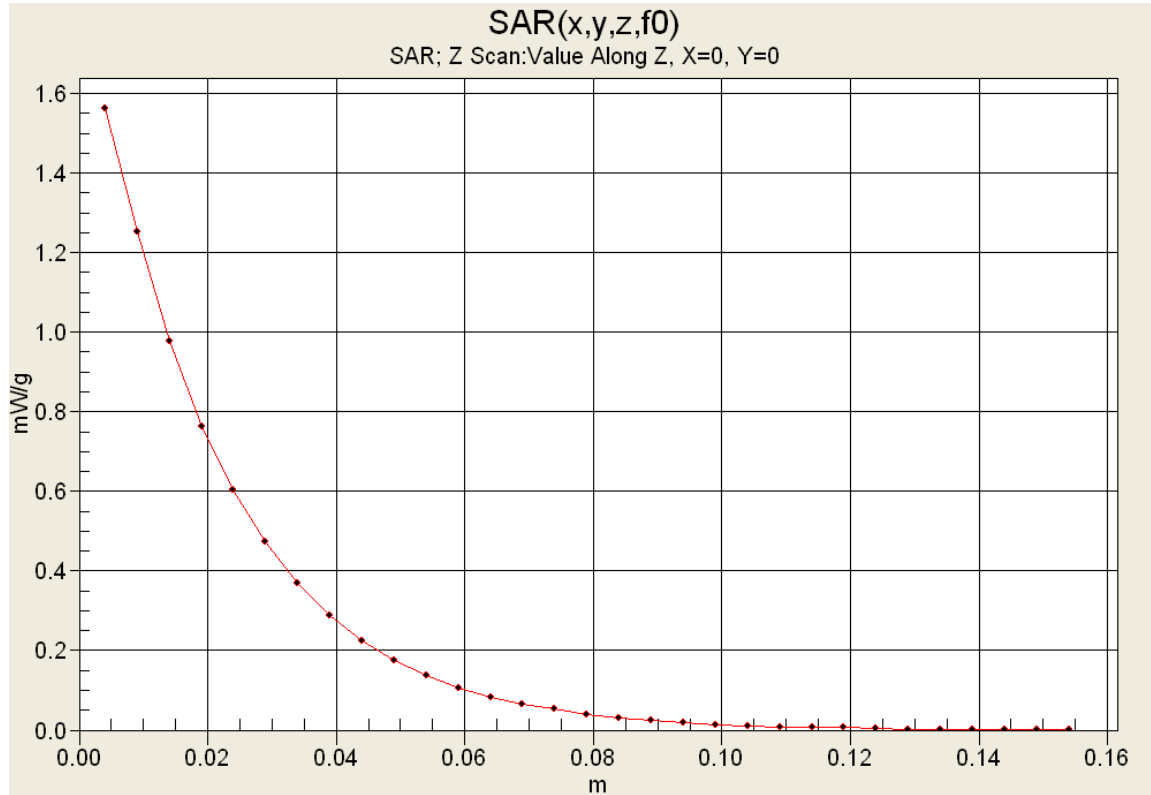
Info: Interpolated medium parameters used for SAR evaluation.



Maximum value of SAR (measured) = 1.55 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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Z-Axis Scan



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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B30

Date Tested: 09/09/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.4C; Barometric Pressure: 101.1 kPa; Humidity: 32%

Communication System: CW

Frequency: 851 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 851 \text{ MHz}$; $\sigma = 0.986 \text{ mho/m}$; $\epsilon_r = 56.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fibreglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x17x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.24 mW/g

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

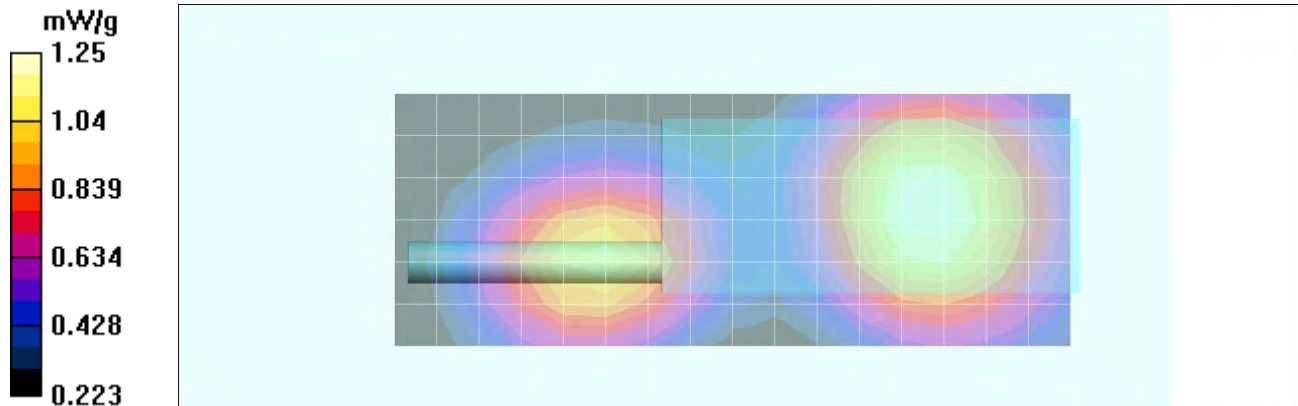
Reference Value = 28.7 V/m; Power Drift = -0.184 dB


Peak SAR (extrapolated) = 1.40 W/kg



SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.908 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.25 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B31

Date Tested: 09/12/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 24.0C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 770 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 770 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 57.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.38 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

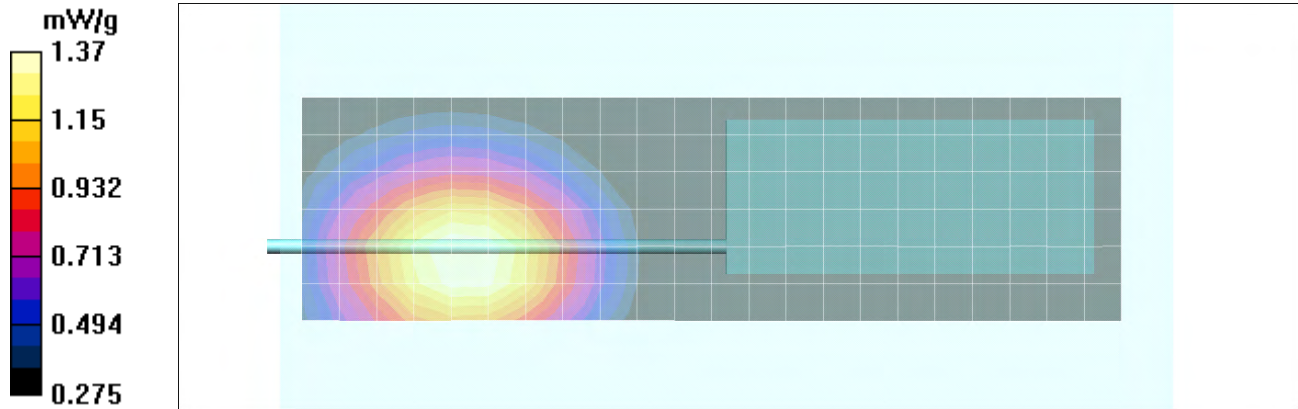
Reference Value = 10.1 V/m; Power Drift = -0.177 dB


Peak SAR (extrapolated) = 1.55 W/kg



SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.996 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.37 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B32

Date Tested: 09/12/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 24.0C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 770 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 770 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 57.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fibreglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.26 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

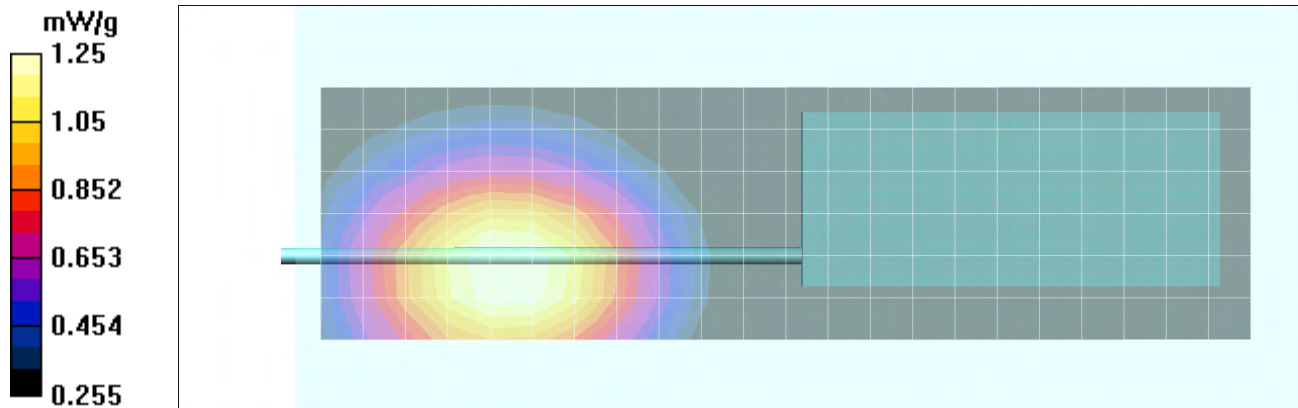
Reference Value = 11.2 V/m; Power Drift = -0.429 dB


Peak SAR (extrapolated) = 1.43 W/kg



SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.915 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.25 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B33

Date Tested: 09/22/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.3C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 770 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 770 \text{ MHz}$; $\sigma = 0.925 \text{ mho/m}$; $\epsilon_r = 57.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fibreglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.78 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

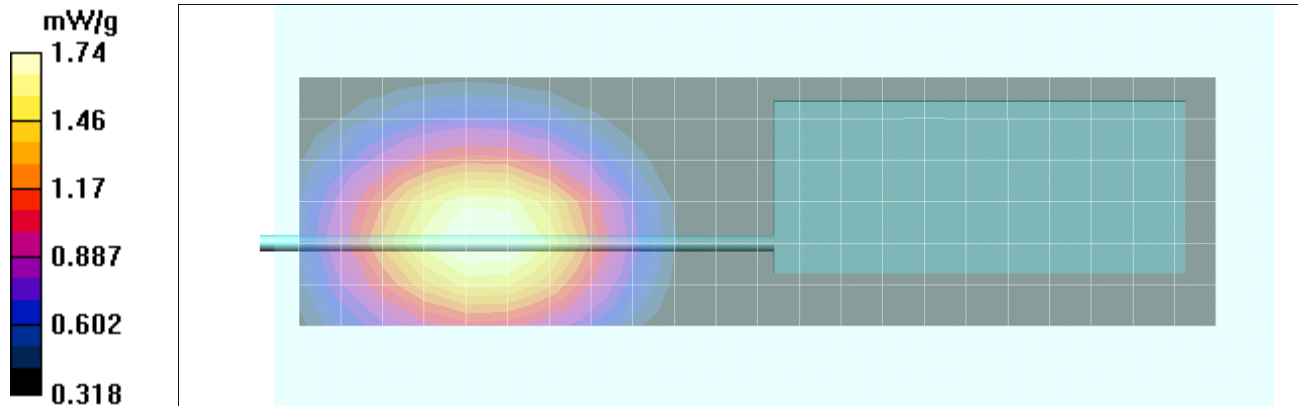
Reference Value = 9.86 V/m; Power Drift = -0.414 dB


Peak SAR (extrapolated) = 2.01 W/kg



SAR(1 g) = 1.65 mW/g; SAR(10 g) = 1.25 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.74 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B34

Date Tested: 09/12/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 24.0C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.958 \text{ mho/m}$; $\epsilon_r = 57.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x17x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.34 mW/g

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

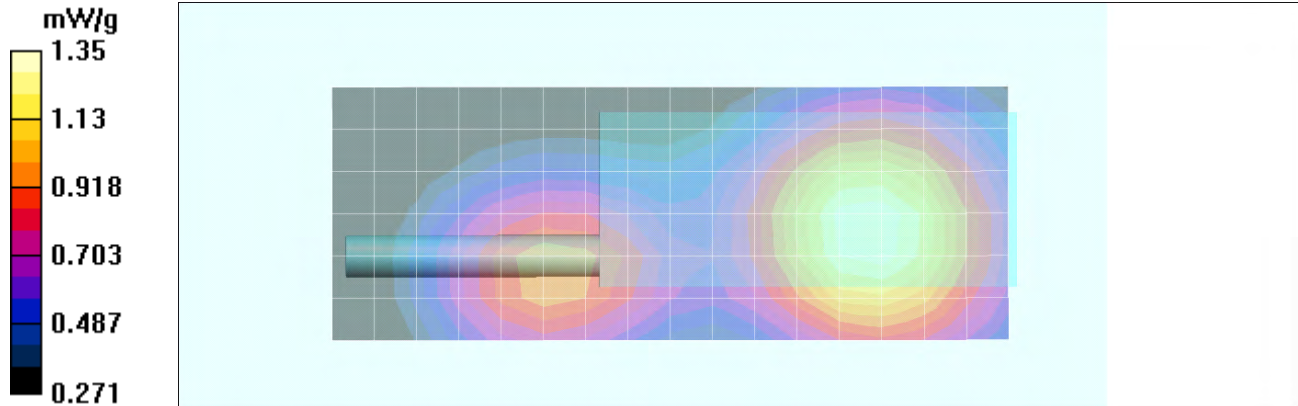
Reference Value = 27.6 V/m; Power Drift = -0.181 dB


Peak SAR (extrapolated) = 1.51 W/kg



SAR(1 g) = 1.29 mW/g; SAR(10 g) = 1 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.35 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Date(s) of Evaluation</u> 9/22-29 & 12/5-6, 2011	<u>Test Report Serial No.</u> 083011OWD-T1113-S90M	<u>Test Report Revision No.</u> Rev. 1.2 (3rd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B35

Date Tested: 09/12/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 24.0C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.958 \text{ mho/m}$; $\epsilon_r = 57.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fibreglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x17x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.67 mW/g

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

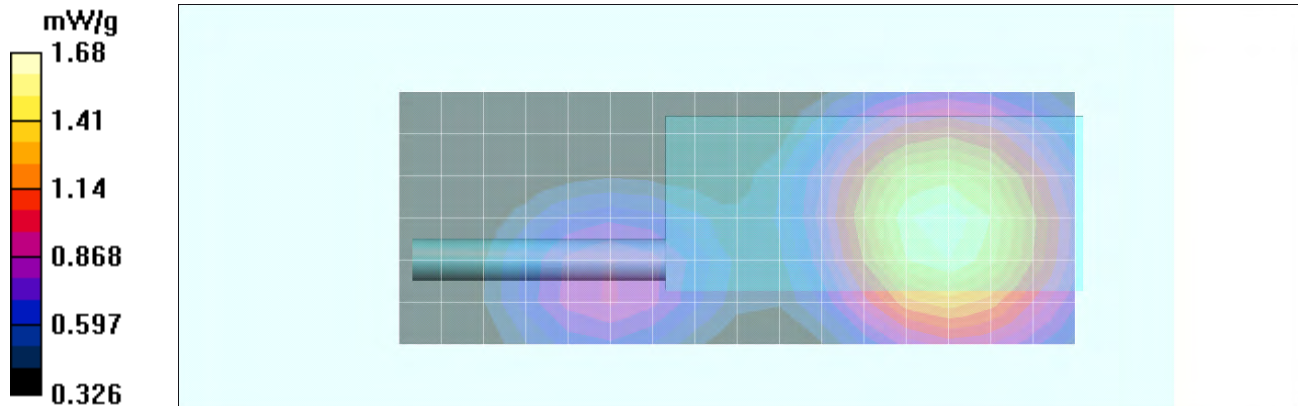
Reference Value = 24.7 V/m; Power Drift = -0.120 dB


Peak SAR (extrapolated) = 1.88 W/kg



SAR(1 g) = 1.59 mW/g; SAR(10 g) = 1.23 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.68 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B36

Date Tested: 09/22/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.3C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.979 \text{ mho/m}$; $\epsilon_r = 56.7$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.74 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

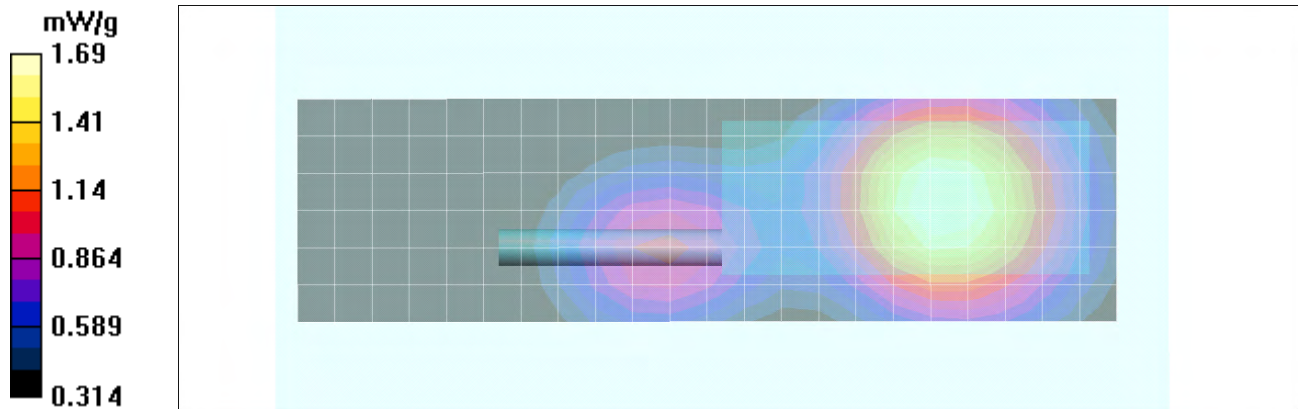
Reference Value = 27.3 V/m; Power Drift = -0.212 dB


Peak SAR (extrapolated) = 1.92 W/kg



SAR(1 g) = 1.61 mW/g; SAR(10 g) = 1.24 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.69 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B37

Date Tested: 09/22/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.3C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 770 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 770 \text{ MHz}$; $\sigma = 0.925 \text{ mho/m}$; $\epsilon_r = 57.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.03 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

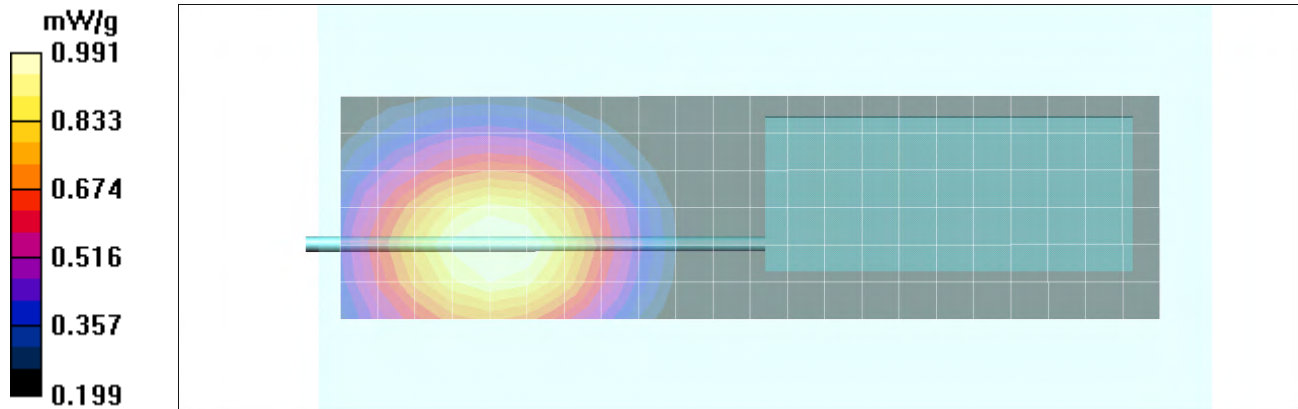
Reference Value = 9.00 V/m; Power Drift = -0.377 dB


Peak SAR (extrapolated) = 1.12 W/kg



SAR(1 g) = 0.944 mW/g; SAR(10 g) = 0.726 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.991 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B38

Date Tested: 09/13/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.1C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 802 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 802 \text{ MHz}$; $\sigma = 0.934 \text{ mho/m}$; $\epsilon_r = 57.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fibreglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.996 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

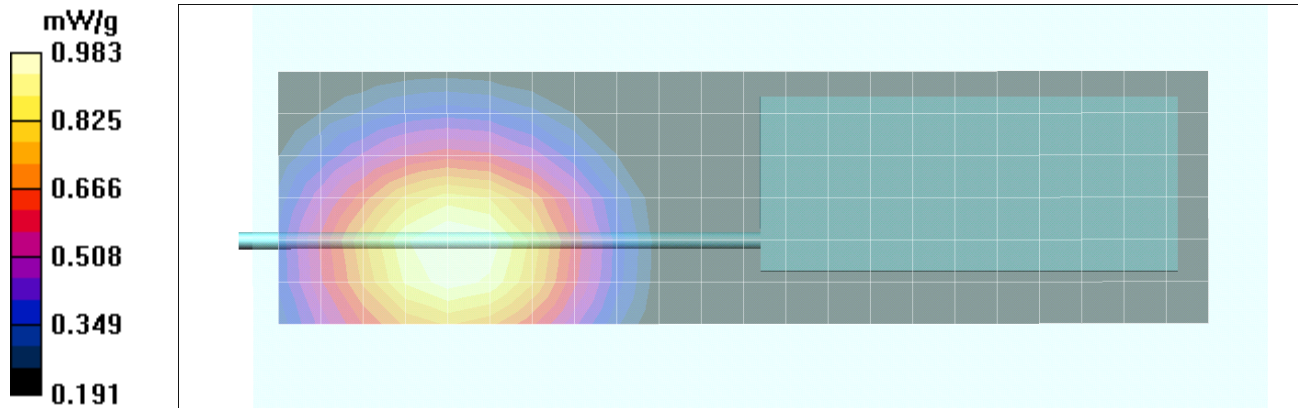
Reference Value = 7.48 V/m; Power Drift = -0.414 dB


Peak SAR (extrapolated) = 1.13 W/kg



SAR(1 g) = 0.937 mW/g; SAR(10 g) = 0.717 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.983 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B39

Date Tested: 09/13/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.1C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.94 \text{ mho/m}$; $\epsilon_r = 57.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fibreglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.904 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

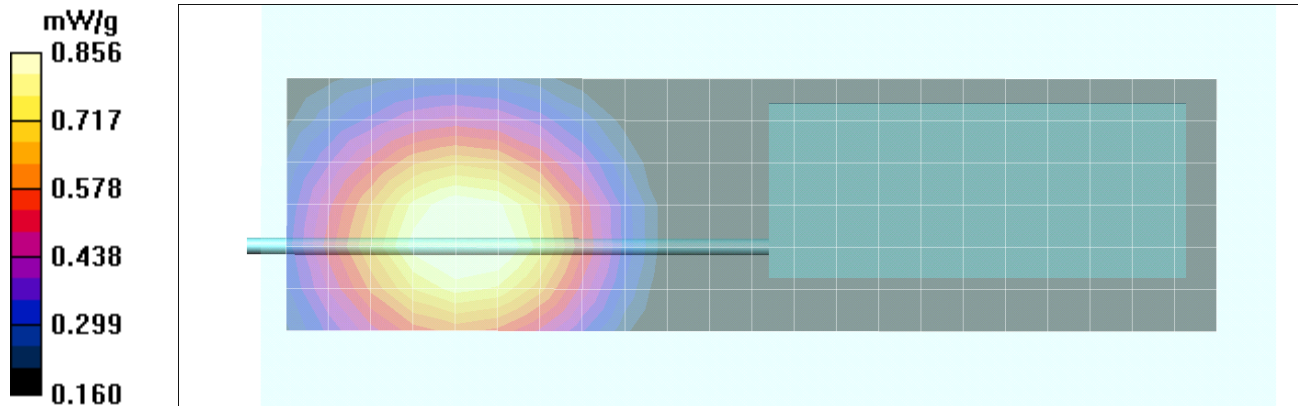
Reference Value = 5.55 V/m; Power Drift = 0.115 dB


Peak SAR (extrapolated) = 0.987 W/kg



SAR(1 g) = 0.813 mW/g; SAR(10 g) = 0.619 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.856 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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	<u>Test Report Issue Date</u> December 14, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B40

Date Tested: 09/13/2011

DUT: Harris XG-75; Type: Portable 700/800-Band PTT Radio Transceiver; Serial: XG-T2-D103

Ambient Temp: 23C; Fluid Temp: 23.1C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 851 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 851 \text{ MHz}$; $\sigma = 0.986 \text{ mho/m}$; $\epsilon_r = 57.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.37, 6.37, 6.37); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Barski Industries; Type: Fiberglas Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (7x24x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.772 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

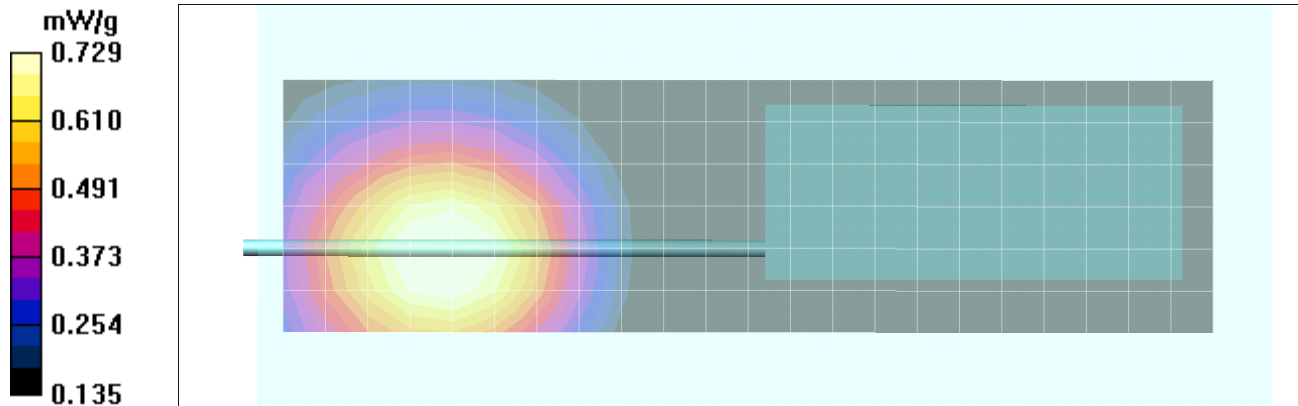
Reference Value = 5.29 V/m; Power Drift = -0.543 dB


Peak SAR (extrapolated) = 0.838 W/kg

SAR(1 g) = 0.691 mW/g; SAR(10 g) = 0.525 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.729 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0074-E	IC:	3636B-0074	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver	Model:	XG-75 7/800	769-805/806-869 MHz		
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