



	<u>Date(s) of Evaluation</u> August 17, 2011	<u>Test Report Serial No.</u> 063011OWD-T1107S-C2PC	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

APPENDIX A - SAR MEASUREMENT DATA

Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F1

Date Tested: 08/17/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-123

Ambient Temp: 23C; Fluid Temp: 23.8C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.85 \text{ mho/m}$; $\epsilon_r = 44.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.3, 7.3, 7.3); 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 (7x22x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 3.08 mW/g

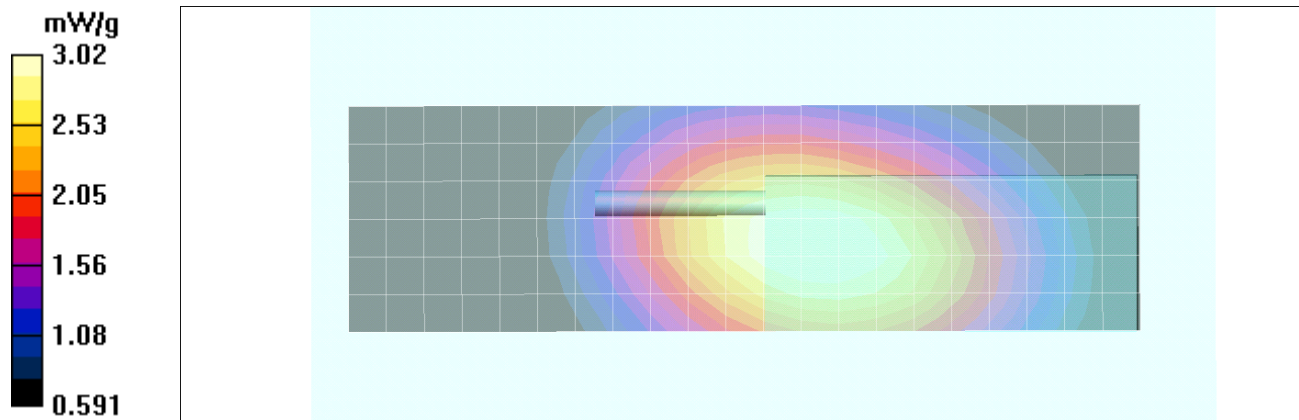
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 61.8 V/m; Power Drift = -0.407 dB



Peak SAR (extrapolated) = 3.94 W/kg

SAR(1 g) = 2.9 mW/g; SAR(10 g) = 2.19 mW/g

Maximum value of SAR (measured) = 3.02 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Face SAR Plot F2

Date Tested: 08/17/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-123

Ambient Temp: 23C; Fluid Temp: 23.8C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.85 \text{ mho/m}$; $\epsilon_r = 44.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.3, 7.3, 7.3); 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 (7x22x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.65 mW/g

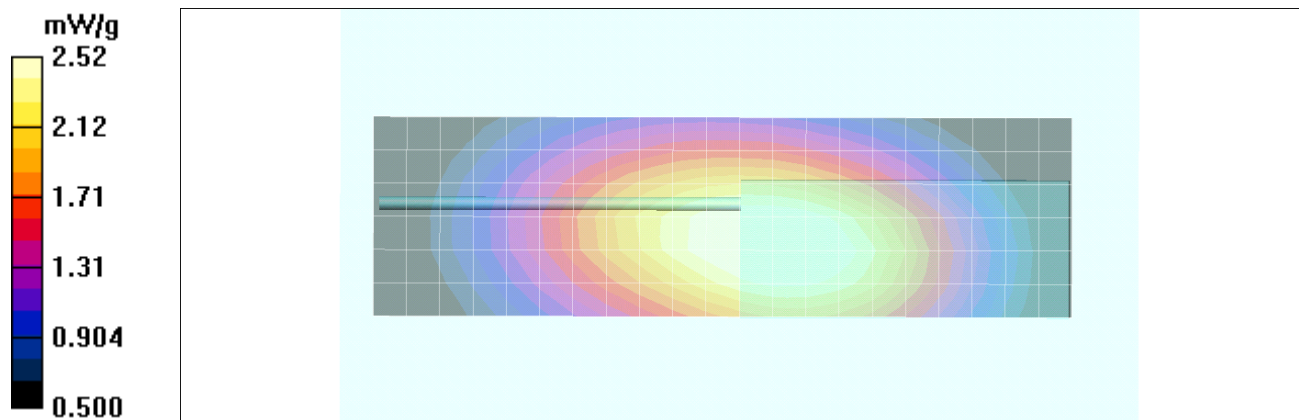
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 56.8 V/m; Power Drift = -0.414 dB



Peak SAR (extrapolated) = 3.29 W/kg

SAR(1 g) = 2.42 mW/g; SAR(10 g) = 1.83 mW/g

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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Face SAR Plot F3

Date Tested: 08/17/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-123

Ambient Temp: 23C; Fluid Temp: 23.8C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 44.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.3, 7.3, 7.3); 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 (7x22x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

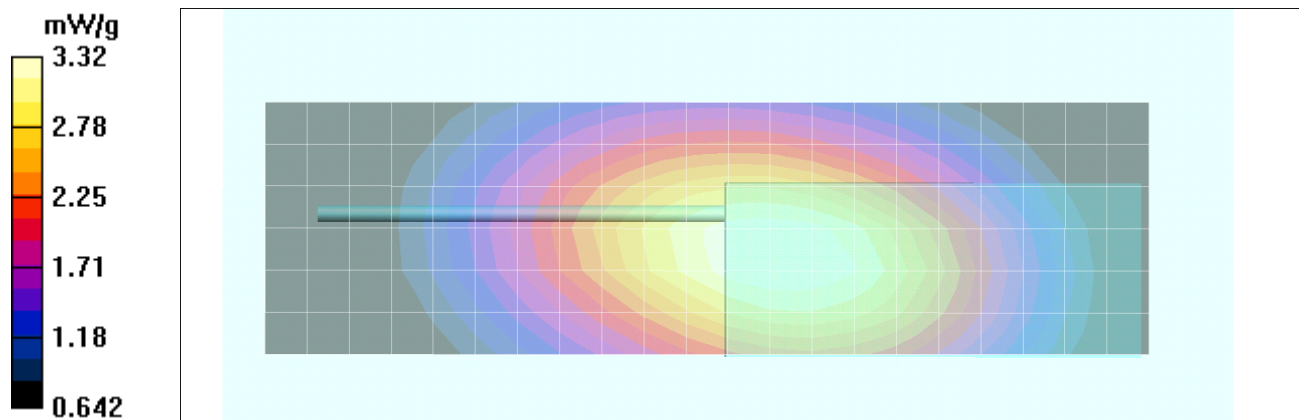
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 62.8 V/m; Power Drift = -0.287 dB



Peak SAR (extrapolated) = 4.33 W/kg

SAR(1 g) = 3.18 mW/g; SAR(10 g) = 2.4 mW/g

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Face SAR Plot F4

Date Tested: 08/17/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-123

Ambient Temp: 23C; Fluid Temp: 23.8C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 44.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.3, 7.3, 7.3); 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 (7x22x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 4.15 mW/g

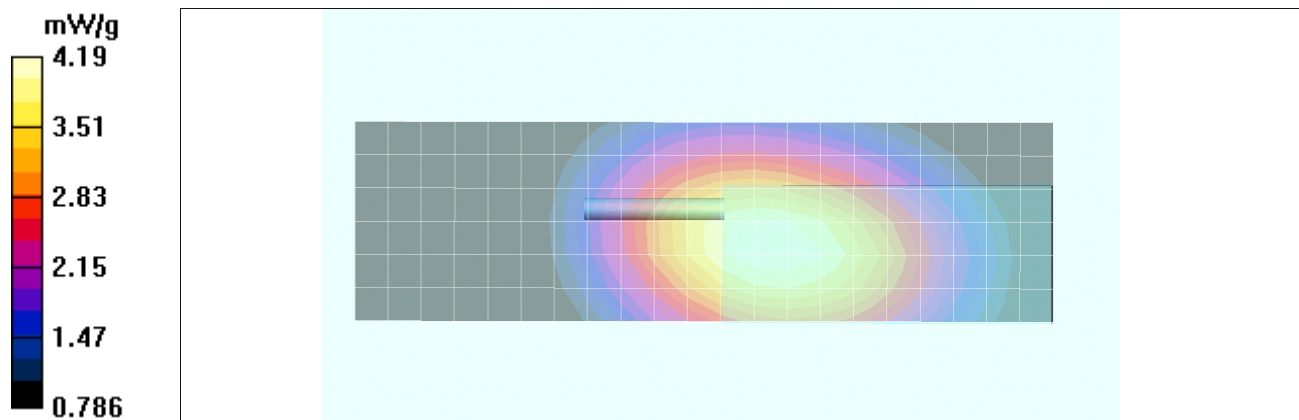
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 68.8 V/m; Power Drift = -0.185 dB



Peak SAR (extrapolated) = 5.47 W/kg

SAR(1 g) = 4 mW/g; SAR(10 g) = 3 mW/g

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

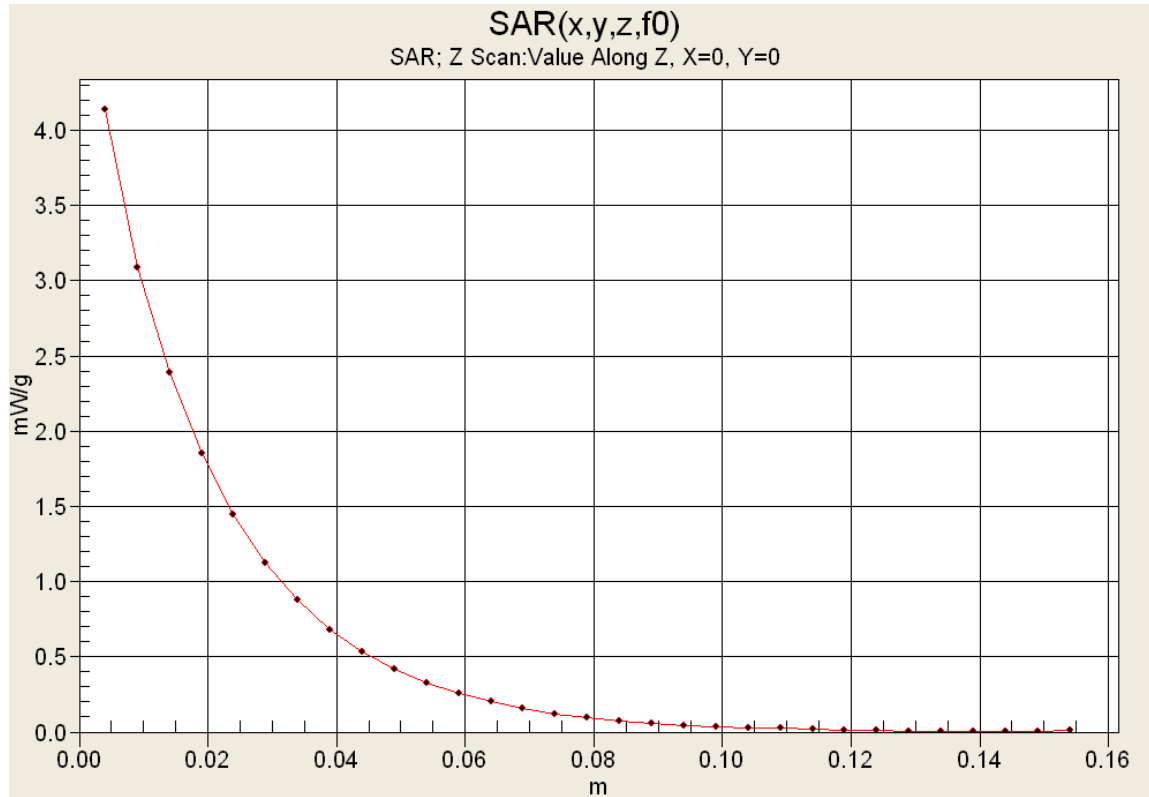



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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	Test Report Issue Date October 07, 2011	Description of Test(s) Specific Absorption Rate	RF Exposure Category Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Z-Axis Scan



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B1

Date Tested: 08/17/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-123

Ambient Temp: 23C; Fluid Temp: 21.7C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 57$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); 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 (7x22x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 5.57 mW/g

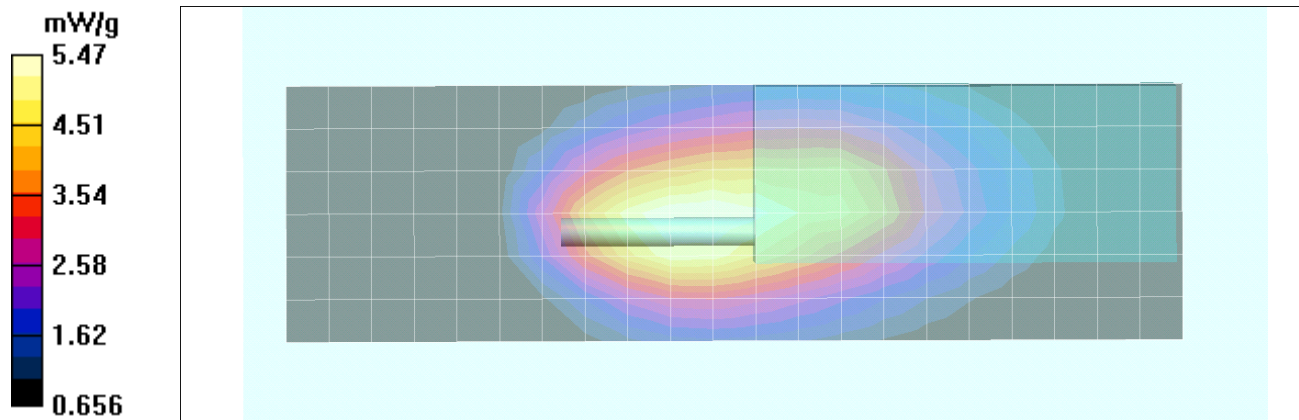
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 73.3 V/m; Power Drift = -0.500 dB



Peak SAR (extrapolated) = 7.94 W/kg

SAR(1 g) = 5.19 mW/g; SAR(10 g) = 3.62 mW/g

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B2

Date Tested: 08/17/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-123

Ambient Temp: 23C; Fluid Temp: 21.7C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 418.05 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 418.05 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 57$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); 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 (7x22x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 7.27 mW/g

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

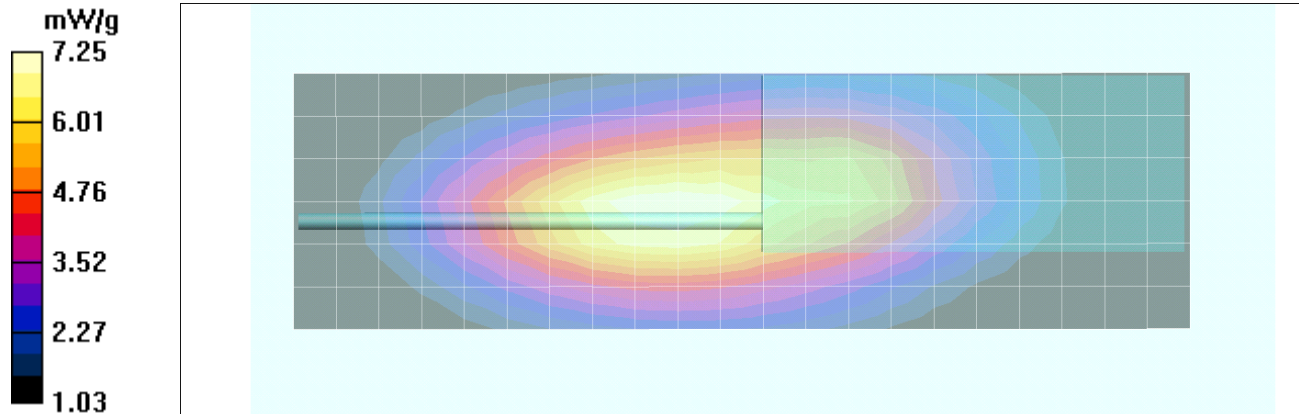
Reference Value = 82.3 V/m; Power Drift = -0.218 dB


Peak SAR (extrapolated) = 10.3 W/kg



SAR(1 g) = 6.91 mW/g; SAR(10 g) = 4.89 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 7.25 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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Test Lab Certificate No. 2470.01

Body SAR Plot B3

Date Tested: 08/17/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-123

Ambient Temp: 23C; Fluid Temp: 21.7C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 55.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); 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 (7x22x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.73 mW/g

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

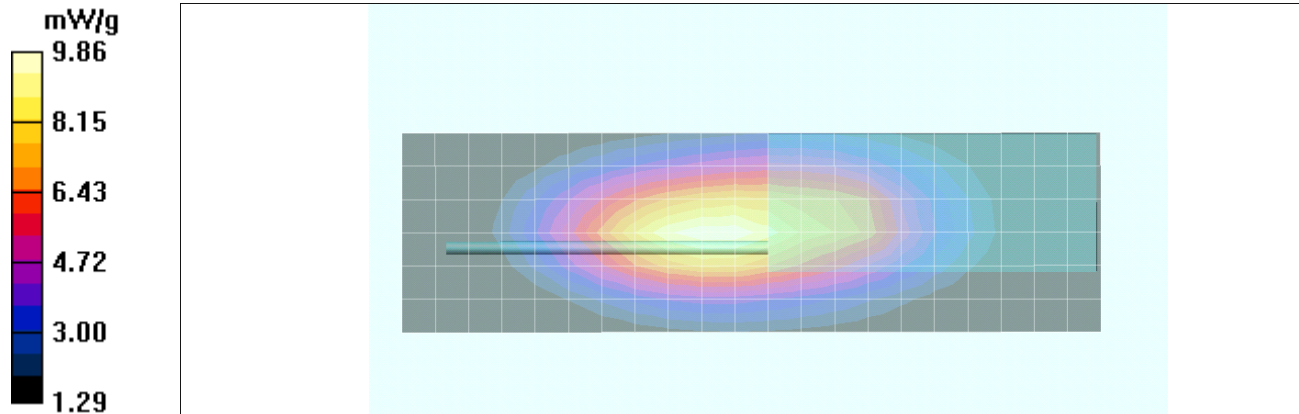
Reference Value = 94.7 V/m; Power Drift = -0.076 dB


Peak SAR (extrapolated) = 14.1 W/kg



SAR(1 g) = 9.37 mW/g; SAR(10 g) = 6.55 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.86 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B4

Date Tested: 08/17/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-123

Ambient Temp: 23C; Fluid Temp: 21.7C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 55.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); 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 (7x22x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

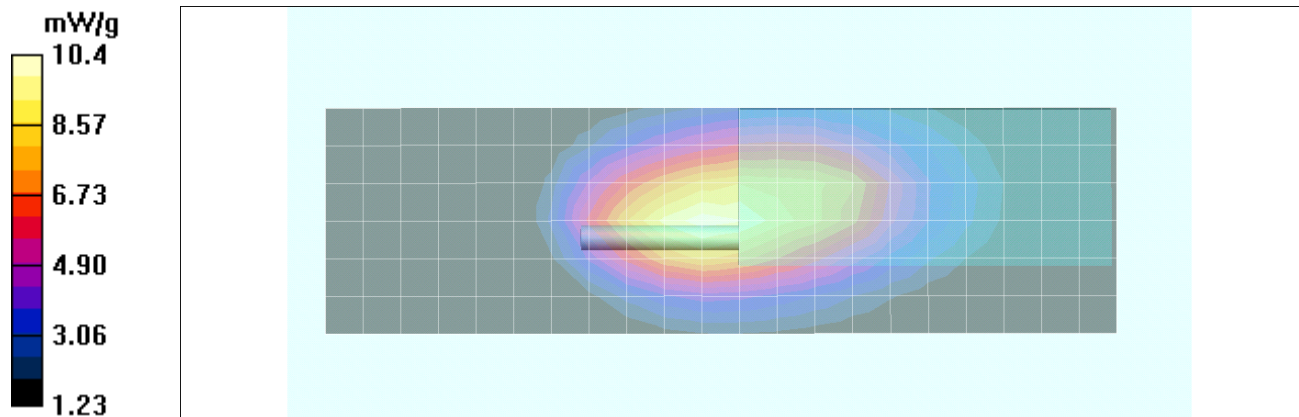
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 101.8 V/m; Power Drift = -0.180 dB

Peak SAR (extrapolated) = 15.0 W/kg

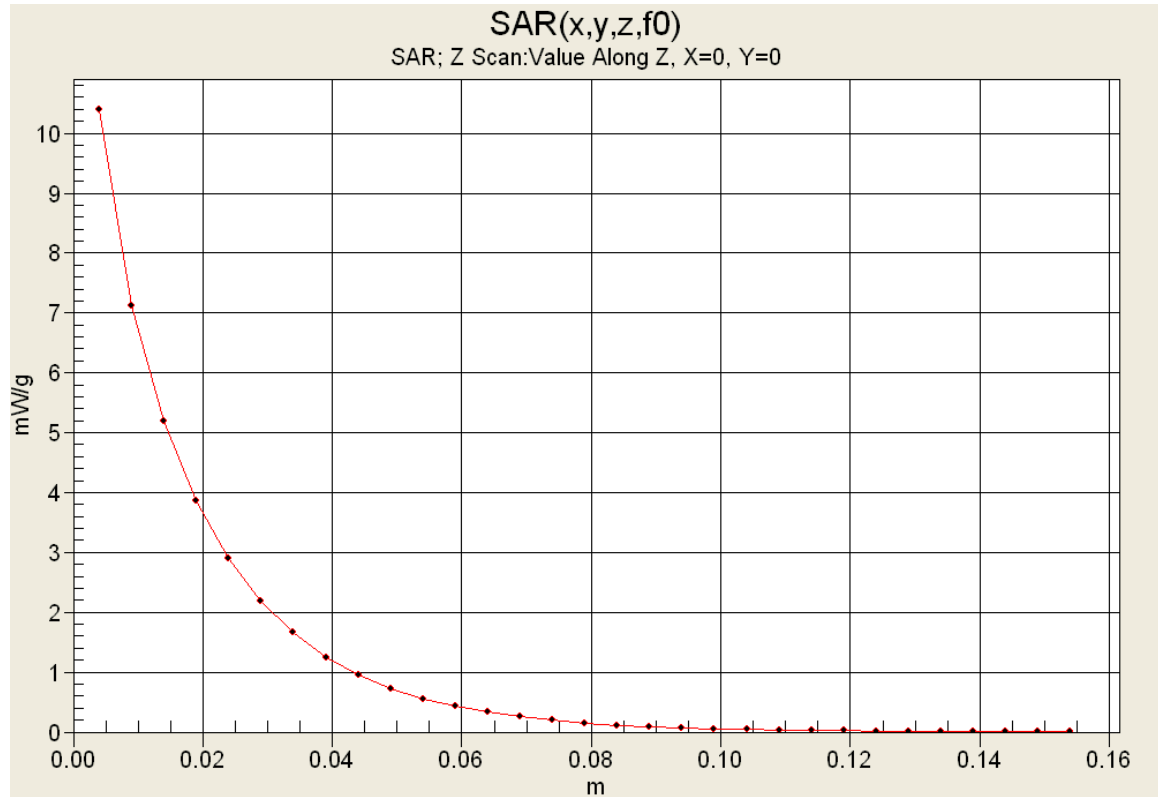
SAR(1 g) = 9.9 mW/g; SAR(10 g) = 6.91 mW/g



Maximum value of SAR (measured) = 10.4 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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Z-Axis Scan



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Body SAR Plot B5

Date Tested: 08/17/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-123

Ambient Temp: 23C; Fluid Temp: 21.7C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 57$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); 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 (7x22x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

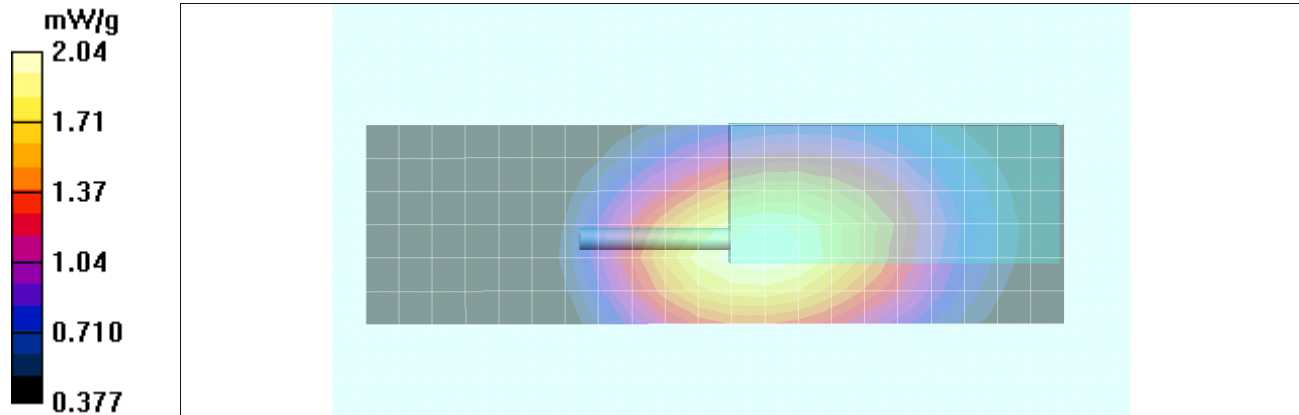
Maximum value of SAR (measured) = 2.04 mW/g


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



Reference Value = 43.8 V/m; Power Drift = -0.374 dB

Peak SAR (extrapolated) = 2.74 W/kg

SAR(1 g) = 1.96 mW/g; SAR(10 g) = 1.46 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B6

Date Tested: 08/17/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-123

Ambient Temp: 23C; Fluid Temp: 21.7C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 57$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); 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 (7x22x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.88 mW/g

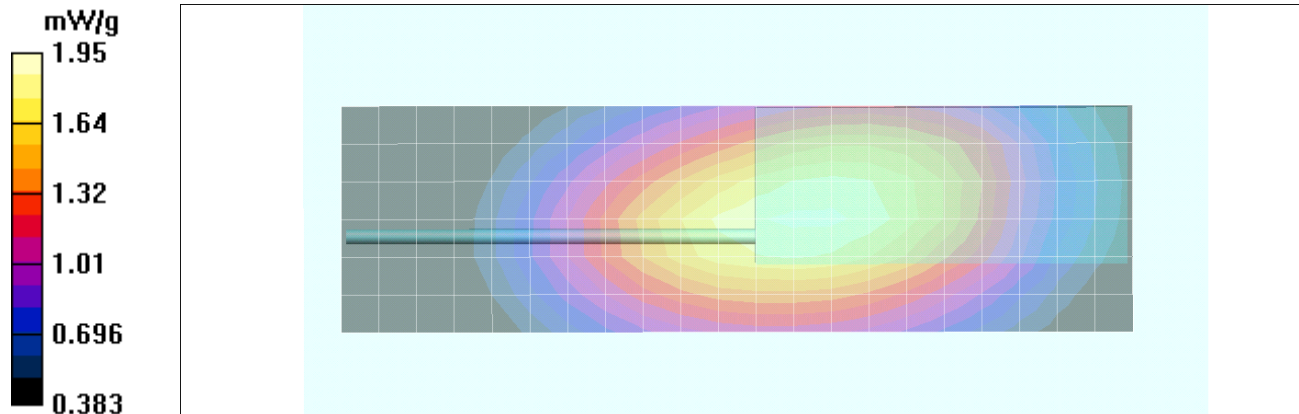
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 45.4 V/m; Power Drift = -0.087 dB



Peak SAR (extrapolated) = 2.60 W/kg

SAR(1 g) = 1.87 mW/g; SAR(10 g) = 1.41 mW/g

Maximum value of SAR (measured) = 1.95 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B7

Date Tested: 08/17/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-123

Ambient Temp: 23C; Fluid Temp: 21.7C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 55.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); 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 (7x22x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

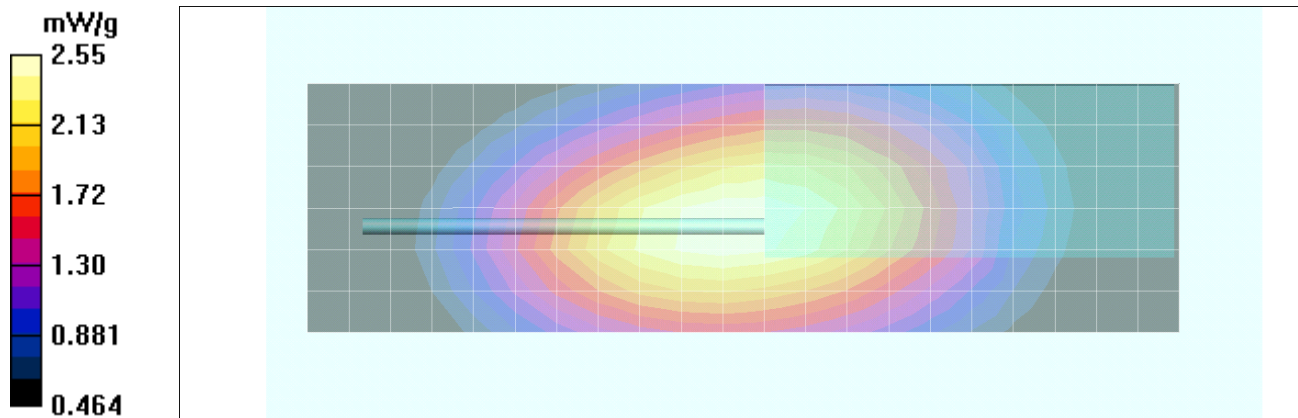
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 50.0 V/m; Power Drift = -0.059 dB



Peak SAR (extrapolated) = 3.46 W/kg

SAR(1 g) = 2.45 mW/g; SAR(10 g) = 1.82 mW/g

Maximum value of SAR (measured) = 2.55 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B8

Date Tested: 08/17/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-123

Ambient Temp: 23C; Fluid Temp: 21.7C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 55.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); 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 (7x22x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 3.08 mW/g

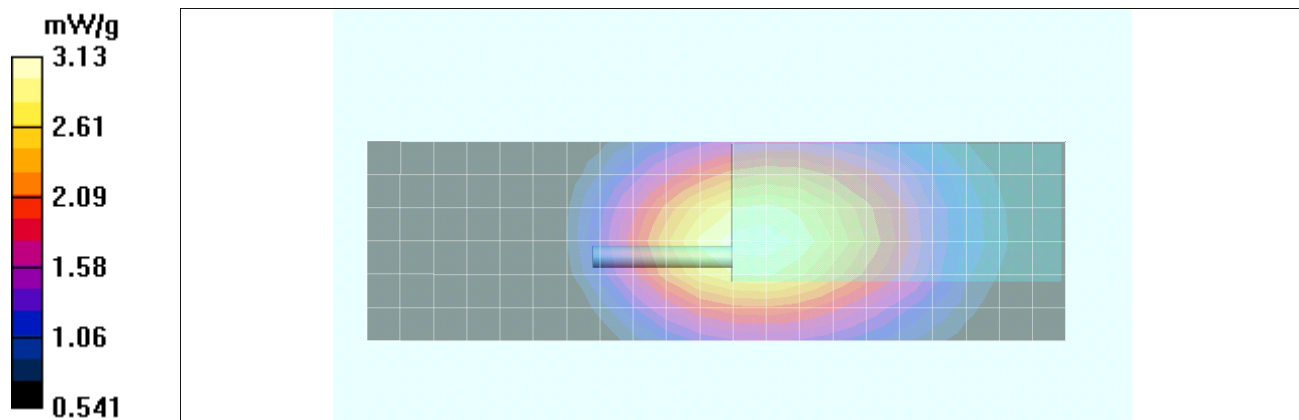
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 56.9 V/m; Power Drift = -0.191 dB



Peak SAR (extrapolated) = 4.24 W/kg

SAR(1 g) = 3 mW/g; SAR(10 g) = 2.22 mW/g

Maximum value of SAR (measured) = 3.13 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	
Test Lab Certificate No. 2470.01				

Body SAR Plot B9

Date Tested: 08/17/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-123

Ambient Temp: 23C; Fluid Temp: 21.7C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 57$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); 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 (7x22x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.27 mW/g

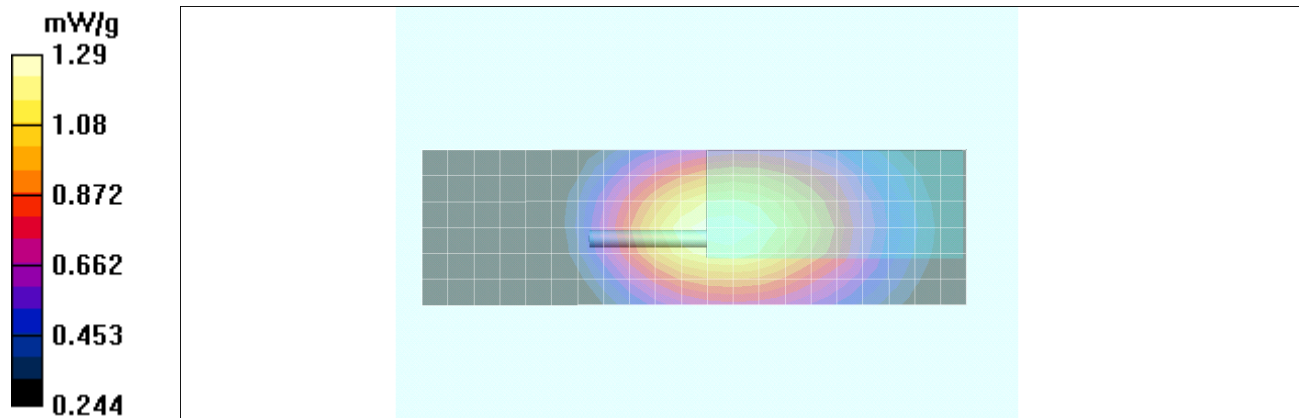
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 38.4 V/m; Power Drift = -0.385 dB



Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 1.25 mW/g; SAR(10 g) = 0.938 mW/g

Maximum value of SAR (measured) = 1.29 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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 Testing and Engineering Services Ltd	<u>Date(s) of Evaluation</u> August 17, 2011	<u>Test Report Serial No.</u> 063011OWD-T1107S-C2PC	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B10

Date Tested: 08/17/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-123

Ambient Temp: 23C; Fluid Temp: 21.7C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 57$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); 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 (7x22x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.57 mW/g

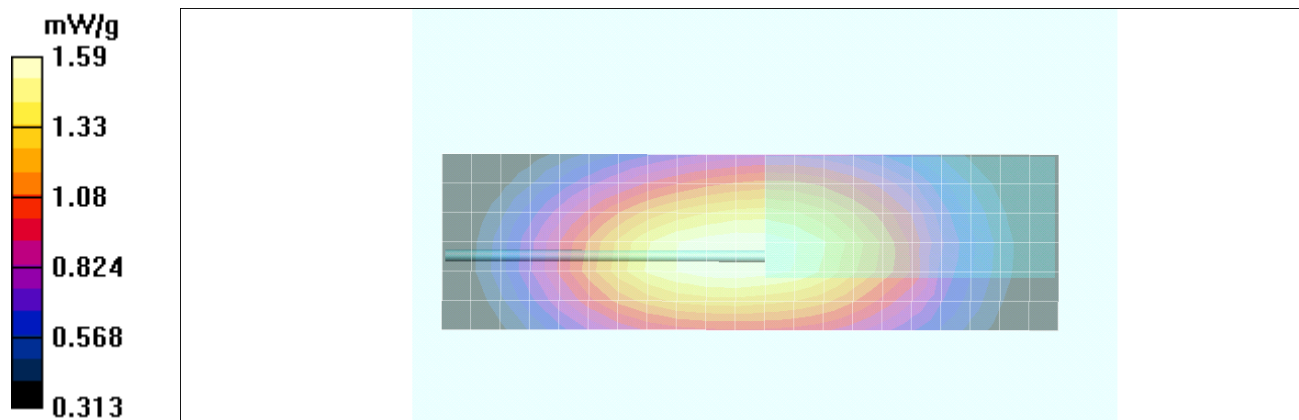
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 41.4 V/m; Power Drift = -0.350 dB



Peak SAR (extrapolated) = 2.13 W/kg

SAR(1 g) = 1.52 mW/g; SAR(10 g) = 1.15 mW/g

Maximum value of SAR (measured) = 1.59 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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	Test Report Issue Date October 07, 2011	Description of Test(s) Specific Absorption Rate	RF Exposure Category Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B11

Date Tested: 08/17/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-123

Ambient Temp: 23C; Fluid Temp: 21.7C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 55.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); 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 (7x22x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.01 mW/g

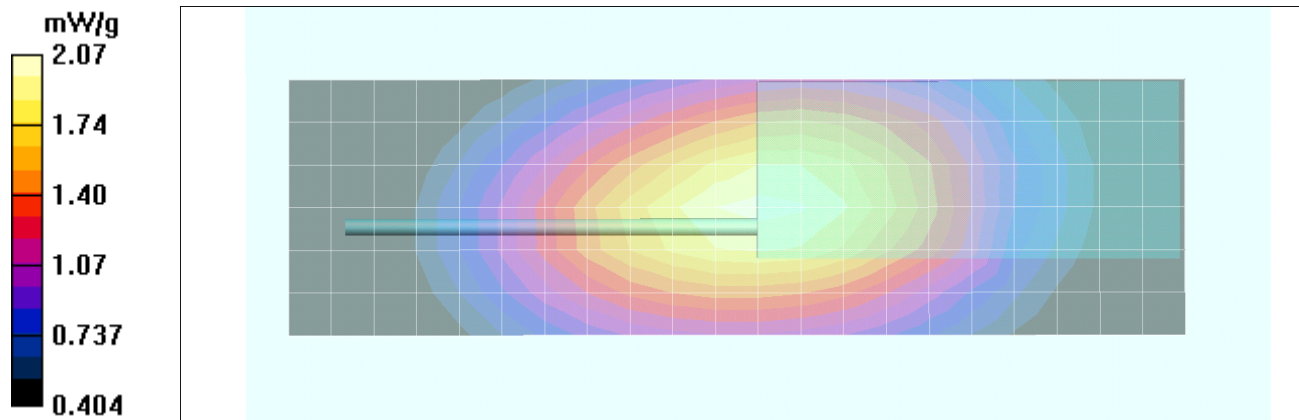
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 46.7 V/m; Power Drift = -0.028 dB



Peak SAR (extrapolated) = 2.76 W/kg

SAR(1 g) = 1.99 mW/g; SAR(10 g) = 1.5 mW/g

Maximum value of SAR (measured) = 2.07 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B12

Date Tested: 08/17/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-123

Ambient Temp: 23C; Fluid Temp: 21.7C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 55.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); 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 (7x22x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

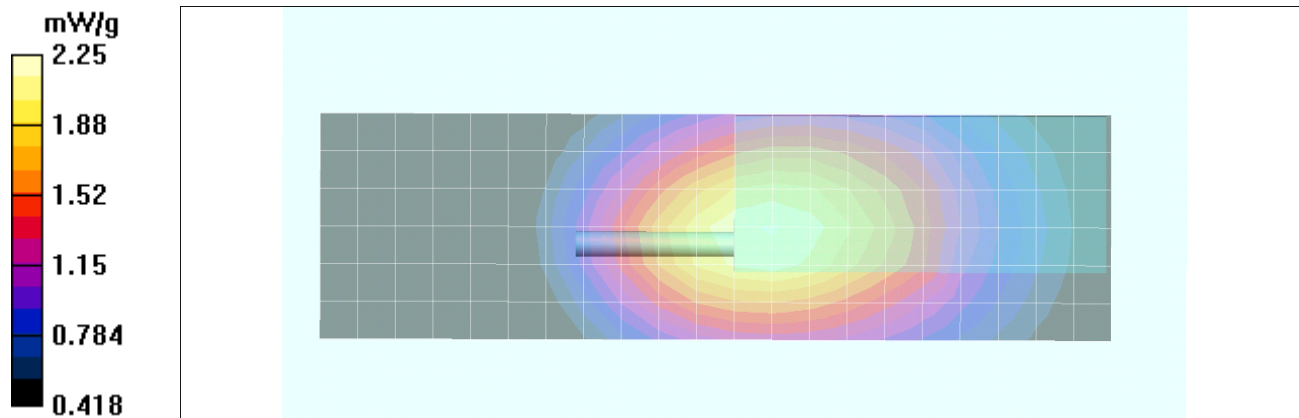
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 47.6 V/m; Power Drift = -0.164 dB



Peak SAR (extrapolated) = 3.01 W/kg

SAR(1 g) = 2.16 mW/g; SAR(10 g) = 1.63 mW/g

Maximum value of SAR (measured) = 2.25 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B13

Date Tested: 08/17/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-123

Ambient Temp: 23C; Fluid Temp: 21.7C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 57$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); 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 (7x22x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 4.65 mW/g

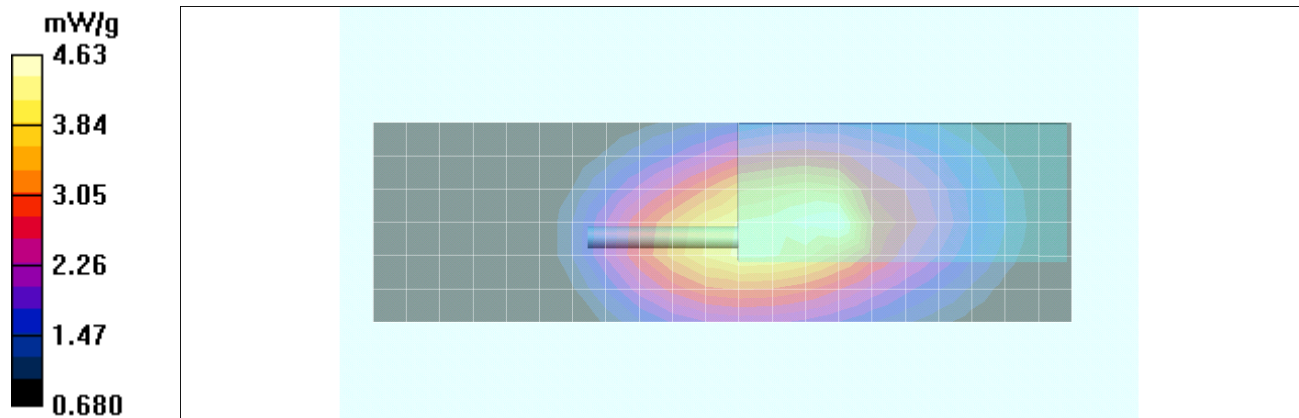
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 65.9 V/m; Power Drift = -0.634 dB



Peak SAR (extrapolated) = 7.30 W/kg

SAR(1 g) = 4.38 mW/g; SAR(10 g) = 3.01 mW/g

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B14

Date Tested: 08/17/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-123

Ambient Temp: 23C; Fluid Temp: 21.7C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 57$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); 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 (7x22x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

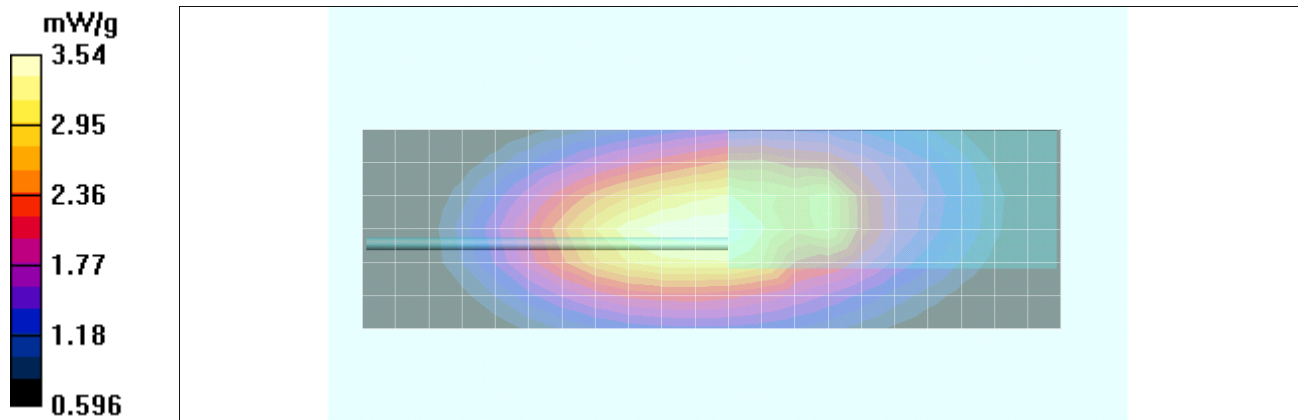
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 62.0 V/m; Power Drift = -0.199 dB



Peak SAR (extrapolated) = 5.03 W/kg

SAR(1 g) = 3.4 mW/g; SAR(10 g) = 2.48 mW/g

Maximum value of SAR (measured) = 3.54 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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	<u>Test Report Issue Date</u> October 07, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B15

Date Tested: 08/17/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-123

Ambient Temp: 23C; Fluid Temp: 21.7C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 55.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); 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 (7x22x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 5.15 mW/g

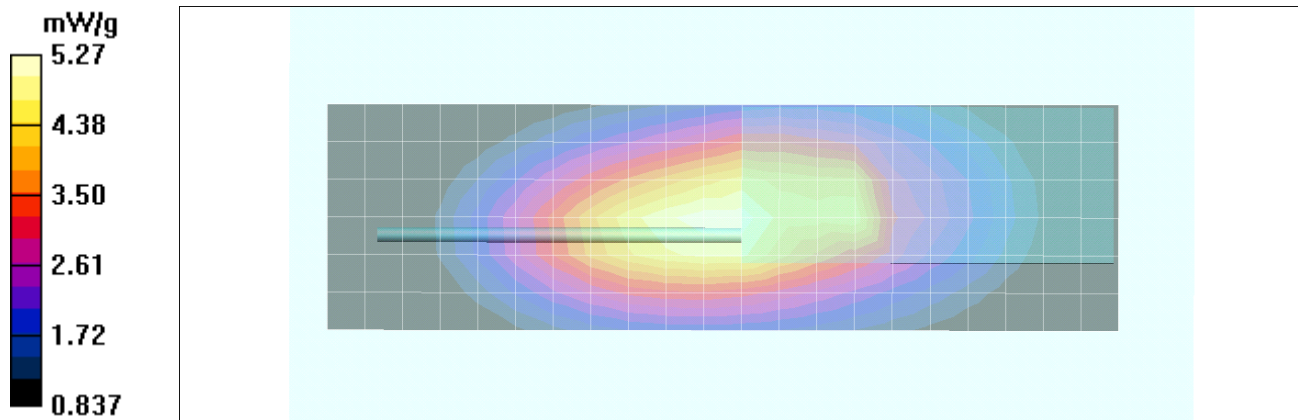
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 72.0 V/m; Power Drift = -0.083 dB



Peak SAR (extrapolated) = 7.35 W/kg

SAR(1 g) = 5.04 mW/g; SAR(10 g) = 3.66 mW/g

Maximum value of SAR (measured) = 5.27 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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	Date(s) of Evaluation August 17, 2011	Test Report Serial No. 063011OWD-T1107S-C2PC	Test Report Revision No. Rev. 1.0 (1st Release)	
	Test Report Issue Date October 07, 2011	Description of Test(s) Specific Absorption Rate	RF Exposure Category Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B16

Date Tested: 08/17/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-123

Ambient Temp: 23C; Fluid Temp: 21.7C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 55.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); 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 (7x22x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

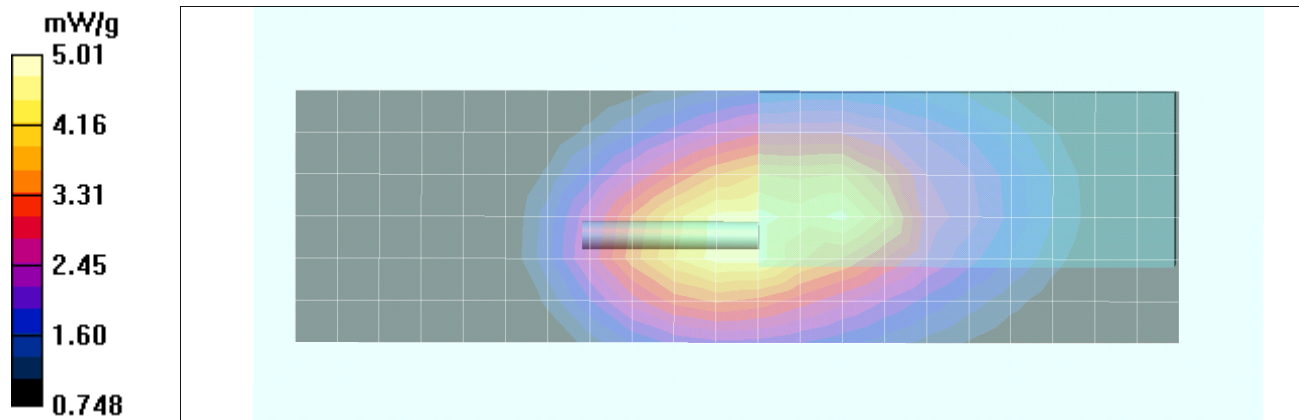
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 68.8 V/m; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 7.02 W/kg

SAR(1 g) = 4.74 mW/g; SAR(10 g) = 3.42 mW/g

Maximum value of SAR (measured) = 5.01 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Models:	XG-75 UHF-L System	XG-75 UHF-L Scan		
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