




	<u>Date(s) of Evaluation</u> August 11-16, 2011	<u>Test Report Serial No.</u> 063011OWD-T1107-S90U	<u>Test Report Revision No.</u> Rev. 1.2 (3rd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> October 05, 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	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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Test Lab Certificate No. 2470.01

Face SAR Plot F1

Date Tested: 08/15//2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 24C; Fluid Temp: 23.8C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.85 \text{ mho/m}$; $\epsilon_r = 44.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.3, 7.3, 7.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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) = 3.25 mW/g

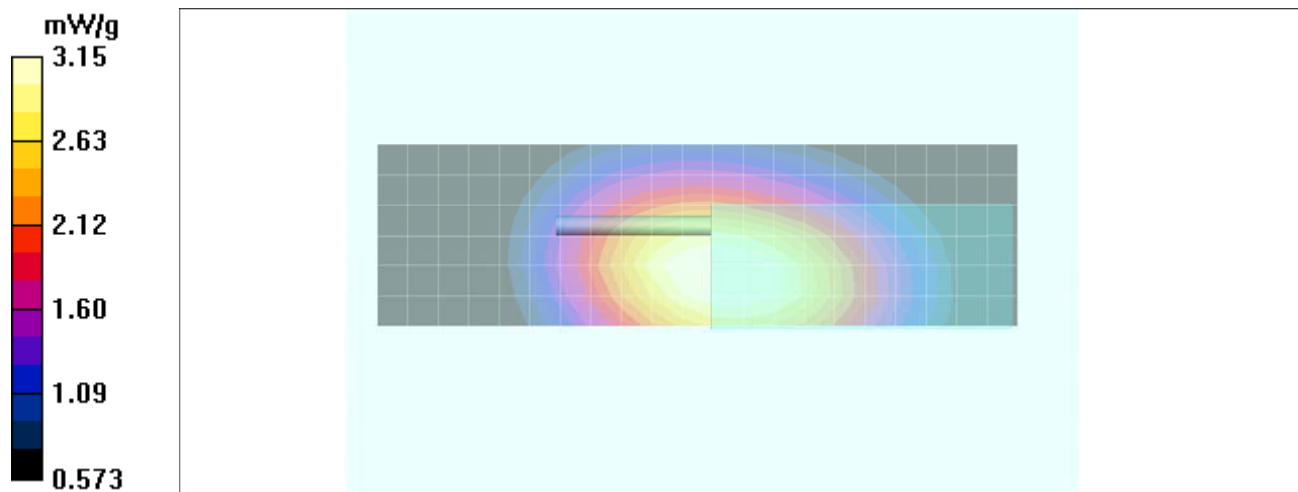
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 64.7 V/m; Power Drift = -0.486 dB



Peak SAR (extrapolated) = 4.14 W/kg

SAR(1 g) = 3.01 mW/g; SAR(10 g) = 2.25 mW/g

Maximum value of SAR (measured) = 3.15 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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Test Lab Certificate No. 2470.01

Face SAR Plot F2

Date Tested: 08/15/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 24C; Fluid Temp: 23.8C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.85 \text{ mho/m}$; $\epsilon_r = 44.2$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 2.32 mW/g

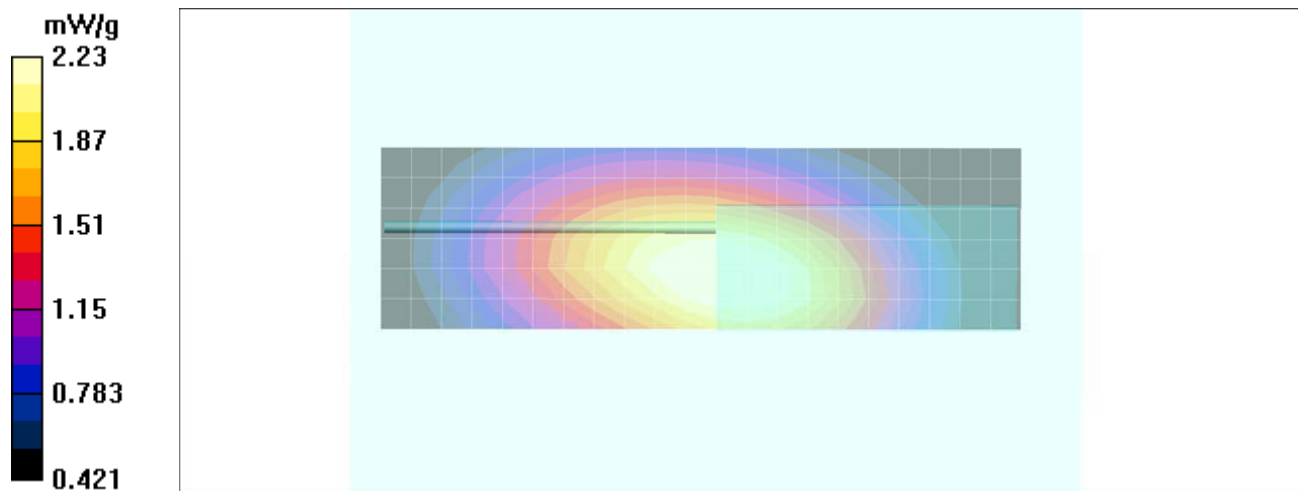
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 54.0 V/m; Power Drift = -0.407 dB



Peak SAR (extrapolated) = 2.92 W/kg

SAR(1 g) = 2.14 mW/g; SAR(10 g) = 1.6 mW/g

Maximum value of SAR (measured) = 2.23 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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Test Lab Certificate No. 2470.01

Face SAR Plot F3

Date Tested: 08/15/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 24C; Fluid Temp: 23.8C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.85 \text{ mho/m}$; $\epsilon_r = 44$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 3.39 mW/g

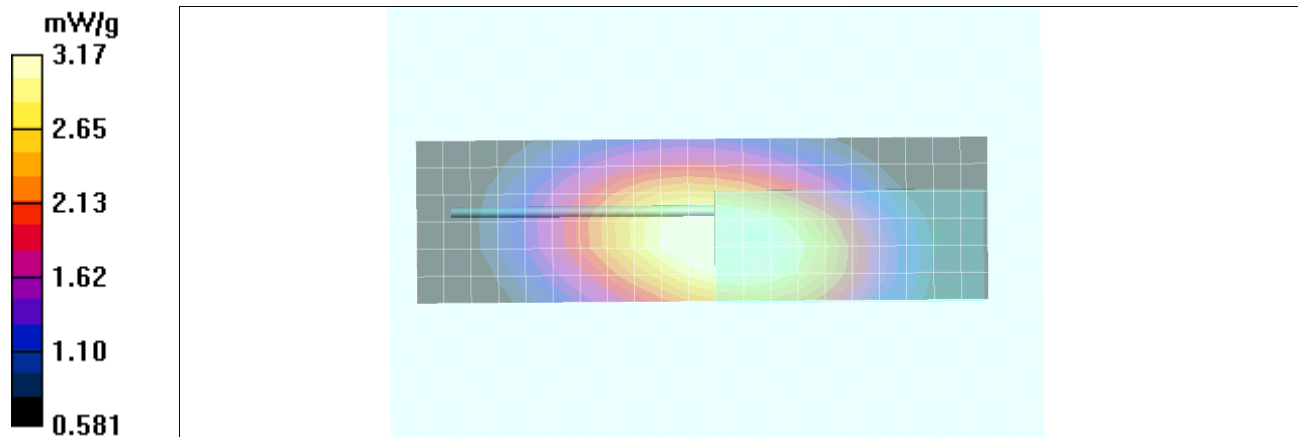
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 64.1 V/m; Power Drift = -0.367 dB



Peak SAR (extrapolated) = 4.18 W/kg

SAR(1 g) = 3.04 mW/g; SAR(10 g) = 2.27 mW/g

Maximum value of SAR (measured) = 3.17 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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Test Lab Certificate No. 2470.01

Face SAR Plot F4

Date Tested: 08/15//2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 24C; Fluid Temp: 23.8C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.85 \text{ mho/m}$; $\epsilon_r = 44$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 2.80 mW/g

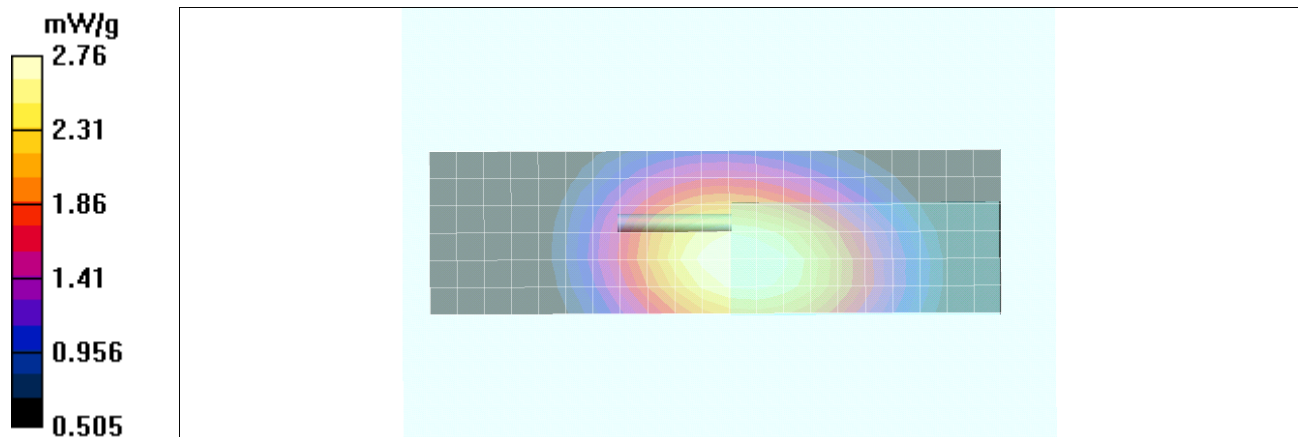
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 59.6 V/m; Power Drift = -0.277 dB



Peak SAR (extrapolated) = 3.63 W/kg

SAR(1 g) = 2.65 mW/g; SAR(10 g) = 1.99 mW/g

Maximum value of SAR (measured) = 2.76 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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Test Lab Certificate No. 2470.01

Face SAR Plot F5

Date Tested: 08/15/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 24C; Fluid Temp: 23.8C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.85 \text{ mho/m}$; $\epsilon_r = 44$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.3, 7.3, 7.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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) = 3.21 mW/g

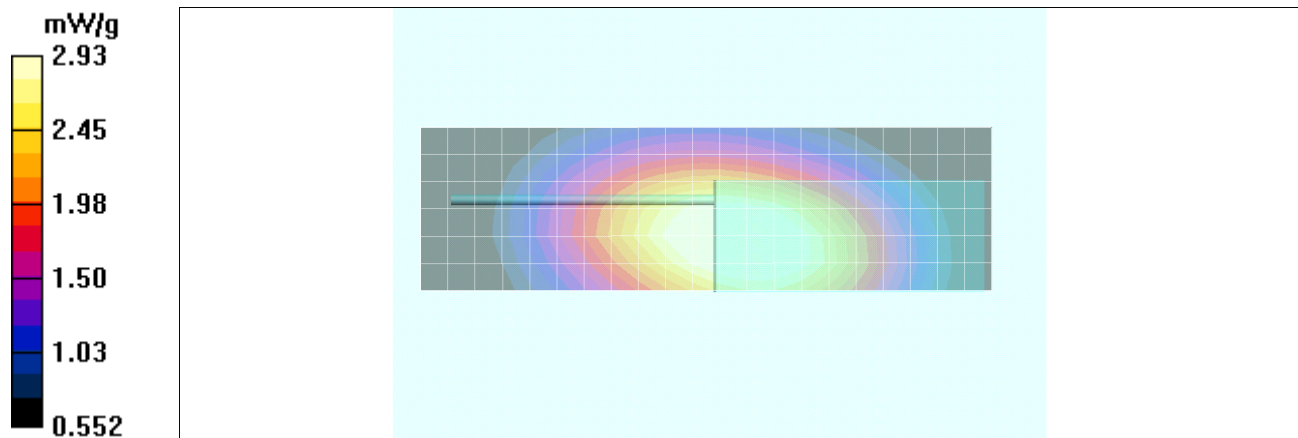
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 64.2 V/m; Power Drift = -0.729 dB



Peak SAR (extrapolated) = 3.86 W/kg

SAR(1 g) = 2.81 mW/g; SAR(10 g) = 2.11 mW/g

Maximum value of SAR (measured) = 2.93 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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Test Lab Certificate No. 2470.01

Face SAR Plot F6

Date Tested: 08/15/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 24C; Fluid Temp: 23.8C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.85 \text{ mho/m}$; $\epsilon_r = 44$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.3, 7.3, 7.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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) = 3.12 mW/g

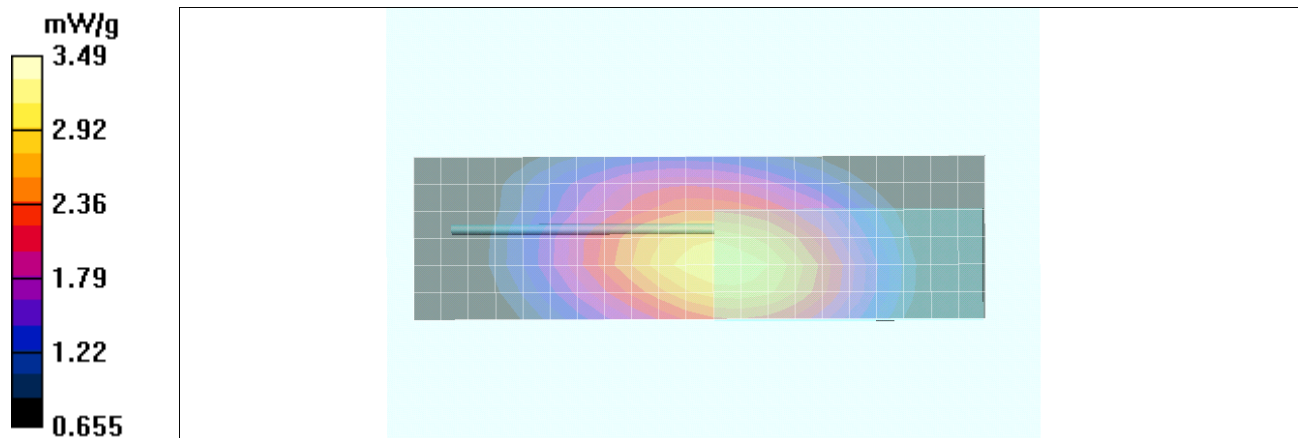
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 61.3 V/m; Power Drift = 0.485 dB

Peak SAR (extrapolated) = 4.58 W/kg

SAR(1 g) = 3.34 mW/g; SAR(10 g) = 2.51 mW/g

Maximum value of SAR (measured) = 3.49 mW/g

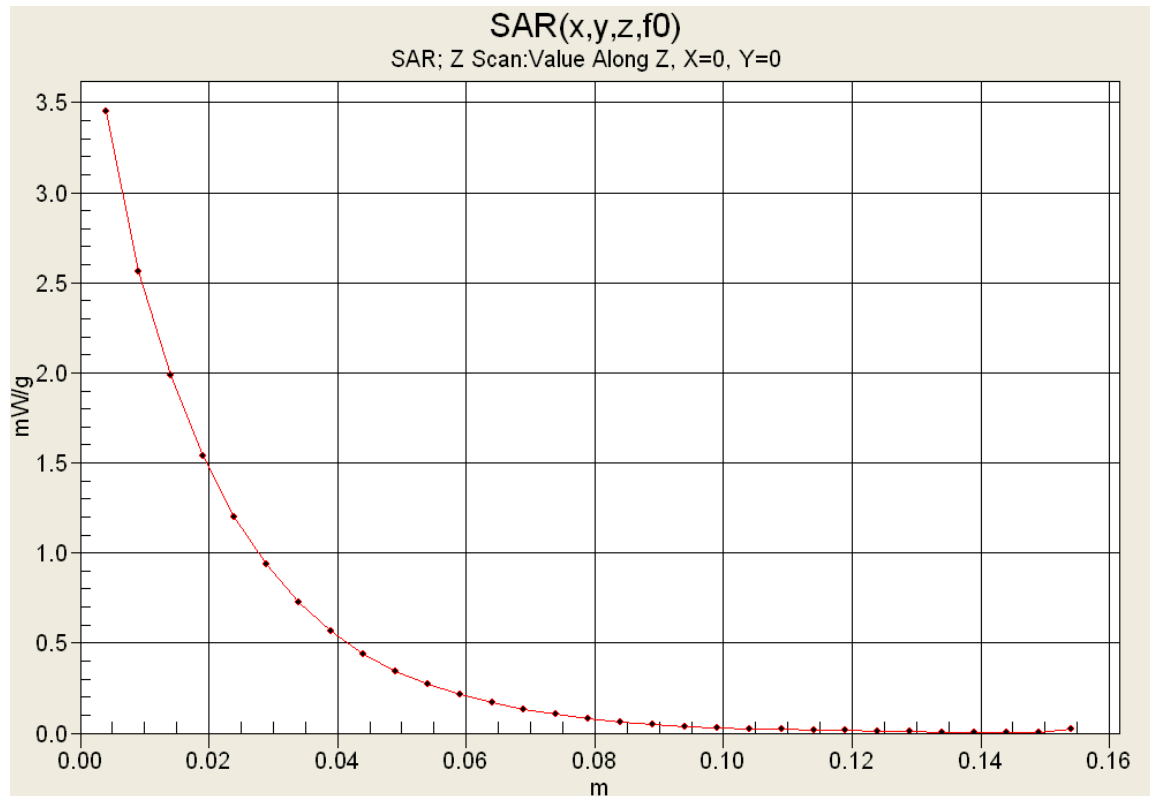



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L		406.1 - 470.0 MHz	
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Test Lab Certificate No. 2470.01

Z-Axis Scan



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F7

Date Tested: 08/15//2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 24C; Fluid Temp: 23.8C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.85 \text{ mho/m}$; $\epsilon_r = 44.2$; $\rho = 1000 \text{ kg/m}^3$

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

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

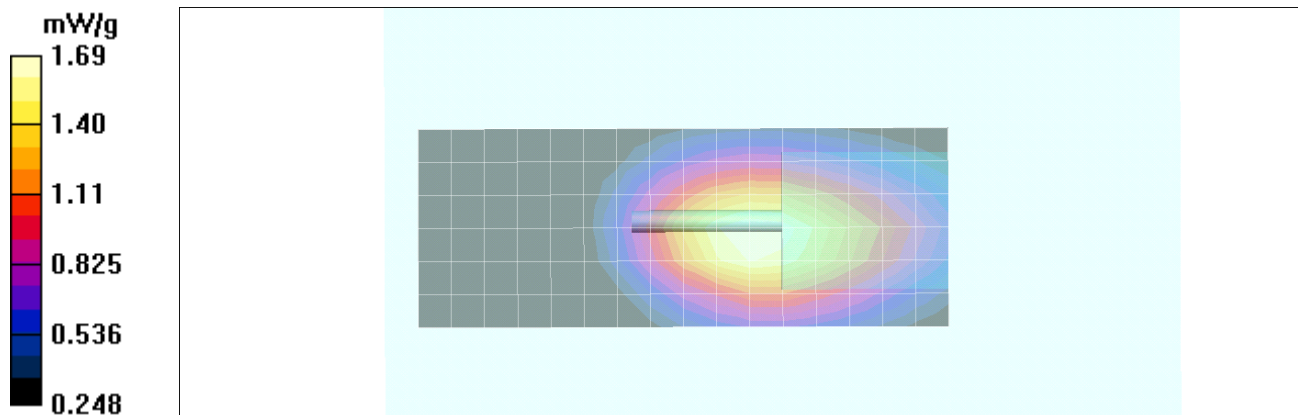
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 44.8 V/m; Power Drift = -0.233 dB



Peak SAR (extrapolated) = 2.28 W/kg

SAR(1 g) = 1.61 mW/g; SAR(10 g) = 1.16 mW/g

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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Test Lab Certificate No. 2470.01

Face SAR Plot F8

Date Tested: 08/15//2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 24C; Fluid Temp: 23.8C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.85 \text{ mho/m}$; $\epsilon_r = 44.2$; $\rho = 1000 \text{ kg/m}^3$

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

Maximum value of SAR (measured) = 1.44 mW/g

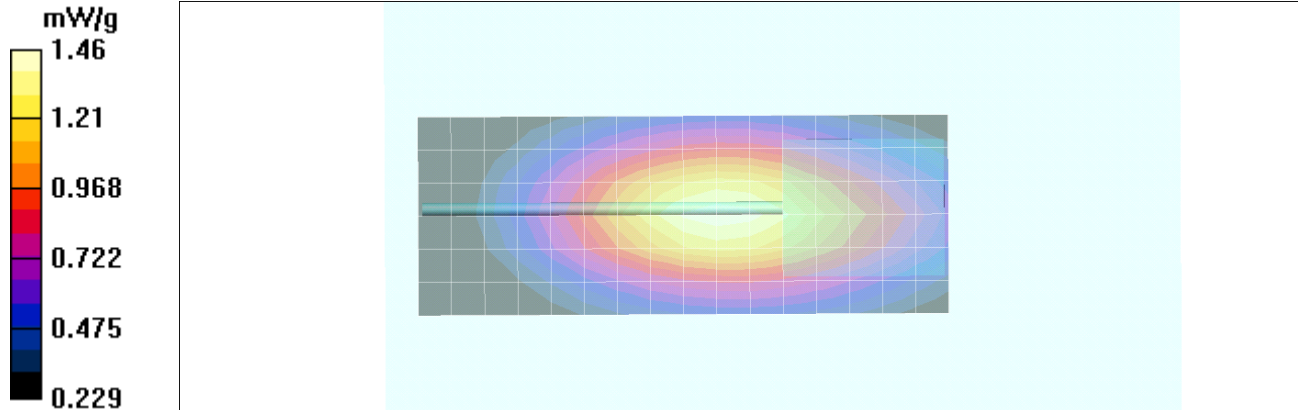
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 40.3 V/m; Power Drift = -0.115 dB



Peak SAR (extrapolated) = 1.96 W/kg

SAR(1 g) = 1.38 mW/g; SAR(10 g) = 0.989 mW/g

Maximum value of SAR (measured) = 1.46 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L		406.1 - 470.0 MHz	
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Test Lab Certificate No. 2470.01

Face SAR Plot F9

Date Tested: 08/15//2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 24C; Fluid Temp: 23.8C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.85 \text{ mho/m}$; $\epsilon_r = 44$; $\rho = 1000 \text{ kg/m}^3$

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

Maximum value of SAR (measured) = 1.16 mW/g

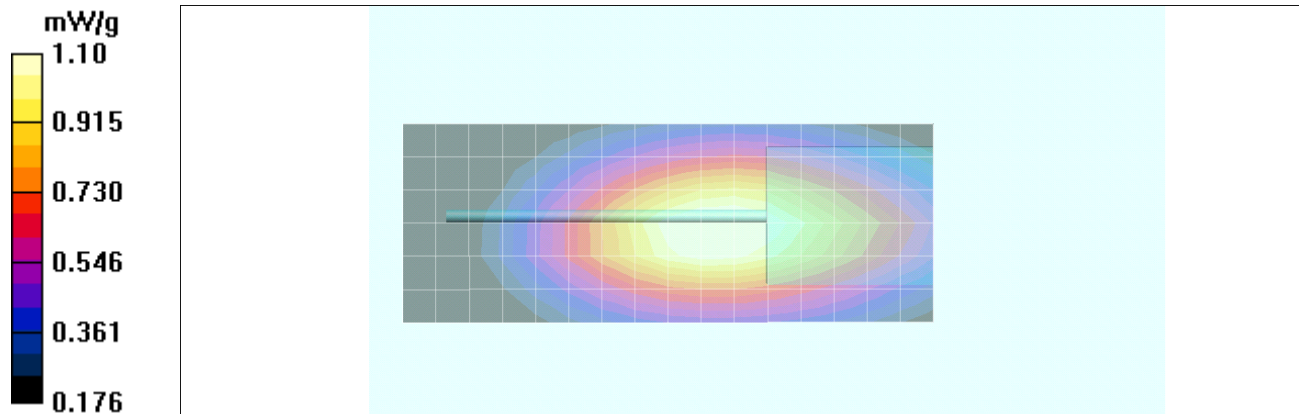
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 36.8 V/m; Power Drift = -0.466 dB



Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.761 mW/g

Maximum value of SAR (measured) = 1.10 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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Face SAR Plot F10

Date Tested: 08/15//2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 24C; Fluid Temp: 23.8C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.85 \text{ mho/m}$; $\epsilon_r = 44$; $\rho = 1000 \text{ kg/m}^3$

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

Maximum value of SAR (measured) = 1.17 mW/g

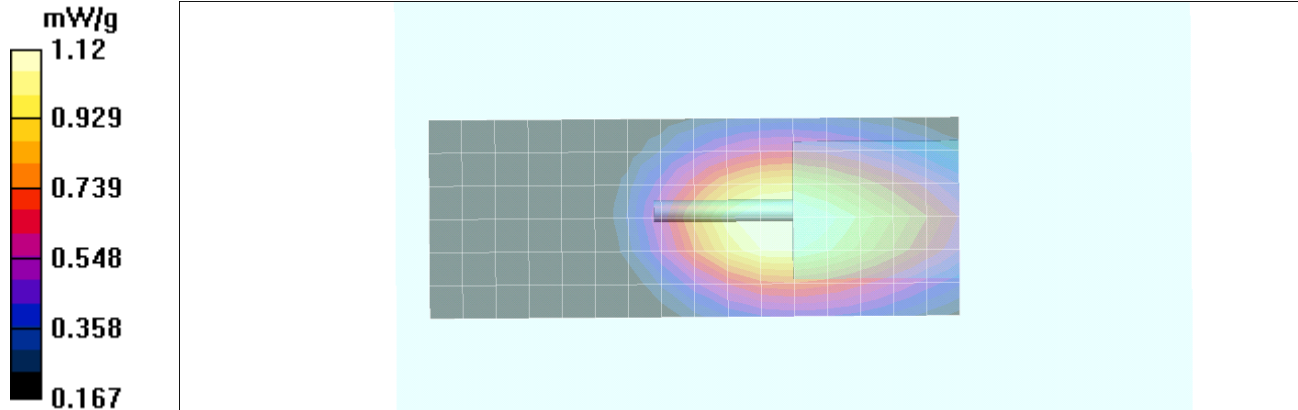
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 38.2 V/m; Power Drift = -0.502 dB



Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.770 mW/g

Maximum value of SAR (measured) = 1.12 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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: 08/11/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.7C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 58$; $\rho = 1000 \text{ kg/m}^3$

- 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 (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

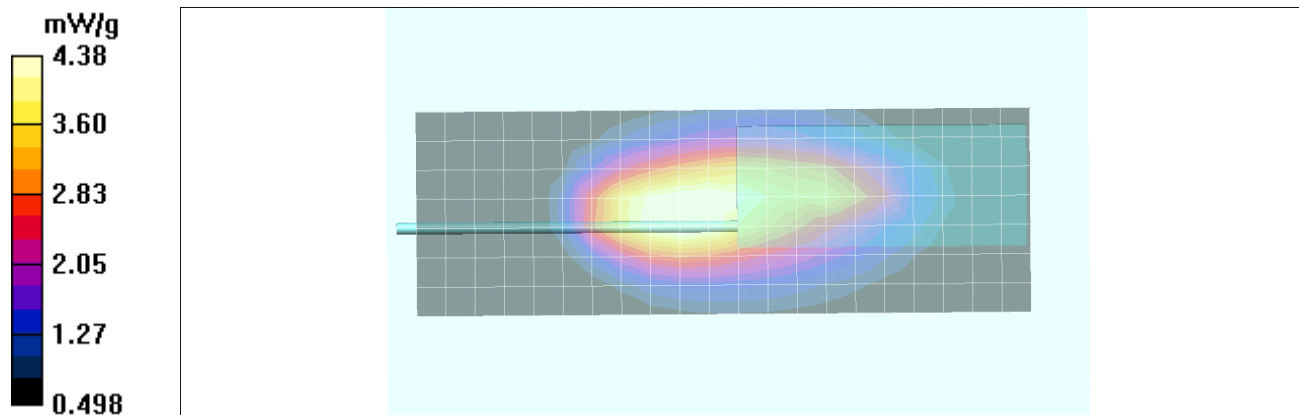
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 63.4 V/m; Power Drift = -0.258 dB



Peak SAR (extrapolated) = 6.32 W/kg

SAR(1 g) = 4.18 mW/g; SAR(10 g) = 2.9 mW/g

Maximum value of SAR (measured) = 4.38 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 B2

Date Tested: 08/16/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 418.05 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 418.05 \text{ MHz}$; $\sigma = 0.94 \text{ mho/m}$; $\epsilon_r = 56.5$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 10.5 mW/g

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

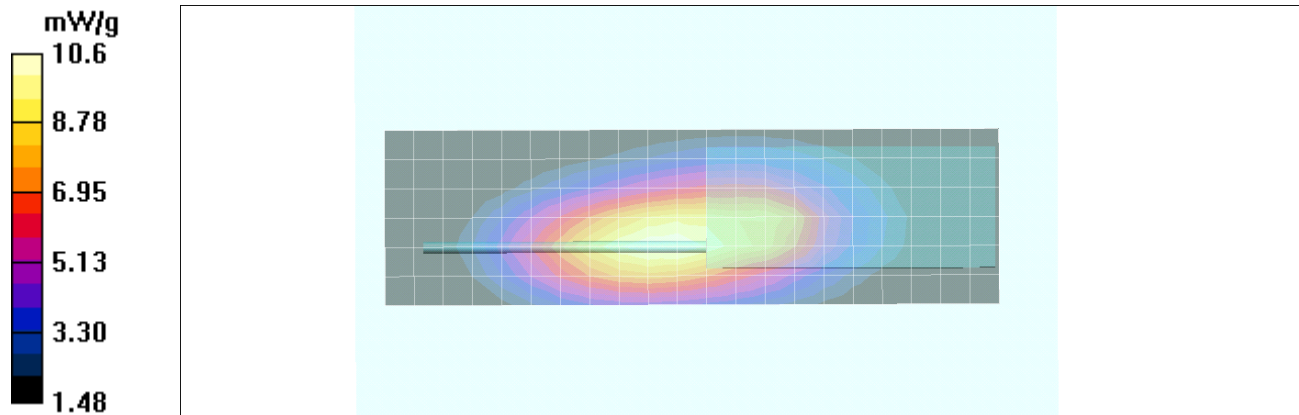
Reference Value = 91.9 V/m; Power Drift = -0.048 dB


Peak SAR (extrapolated) = 14.9 W/kg



SAR(1 g) = 10.0 mW/g; SAR(10 g) = 7.07 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B3

Date Tested: 08/11/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.7C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 58$; $\rho = 1000 \text{ kg/m}^3$

- 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 (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

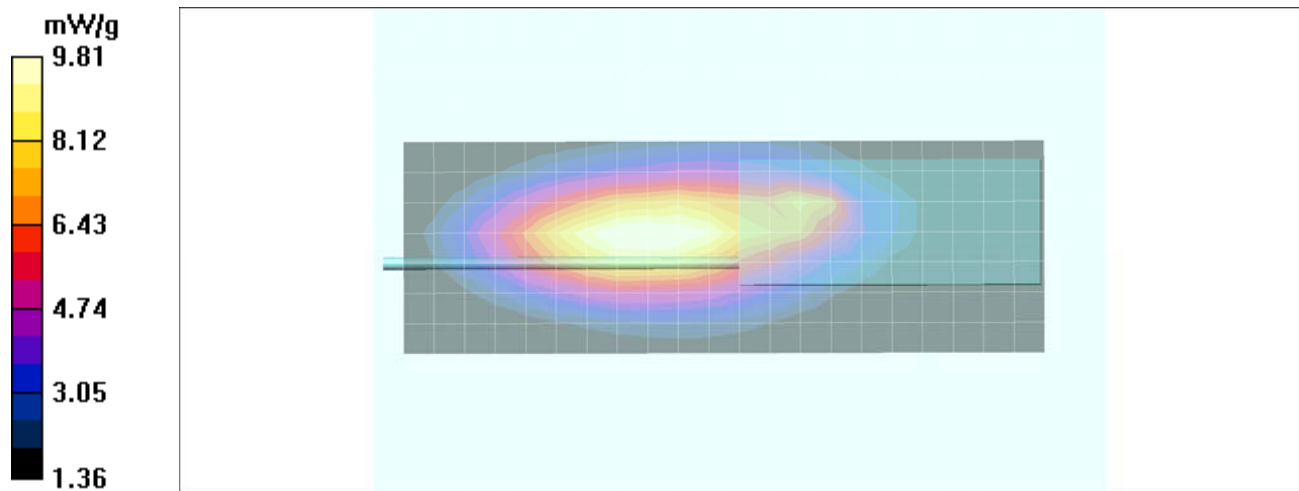
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 90.0 V/m; Power Drift = -0.139 dB



Peak SAR (extrapolated) = 14.0 W/kg

SAR(1 g) = 9.32 mW/g; SAR(10 g) = 6.53 mW/g

Maximum value of SAR (measured) = 9.81 mW/g

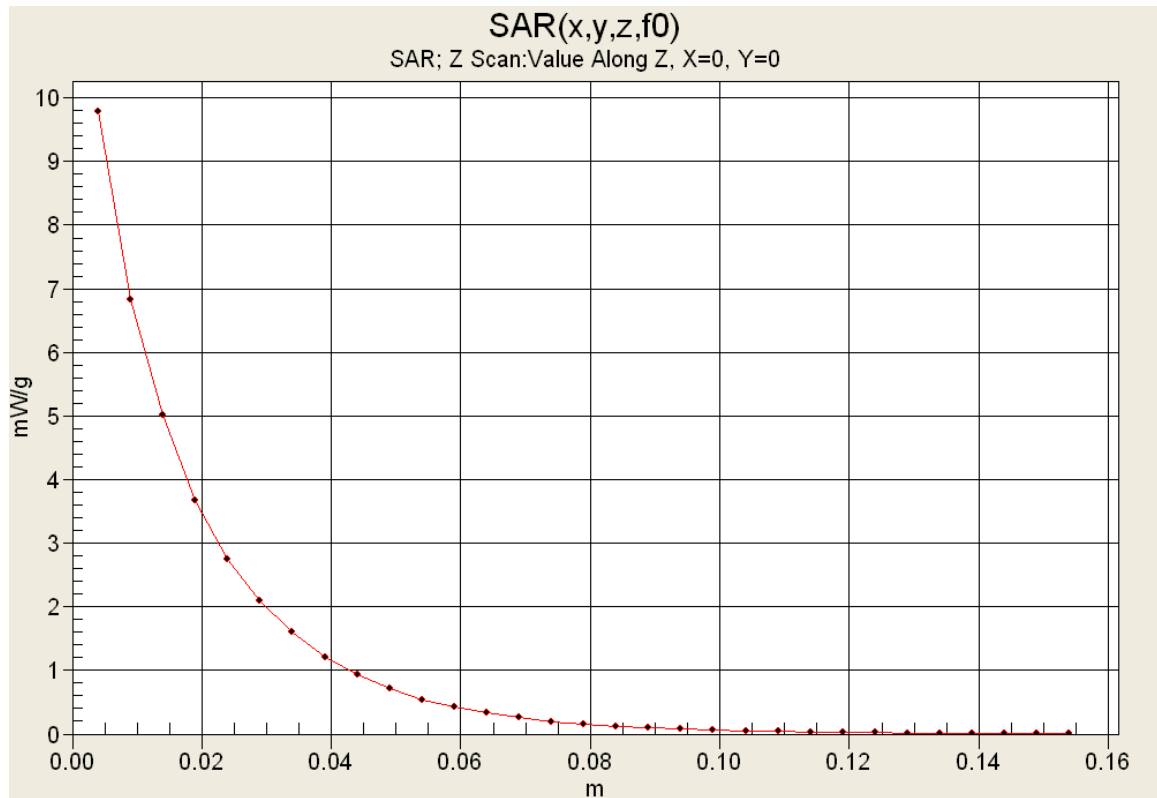



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> 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	Model:	XG-75 UHF-L		406.1 - 470.0 MHz	
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	<u>Test Report Issue Date</u> October 05, 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: 08/12/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 56.6$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 10.0 mW/g

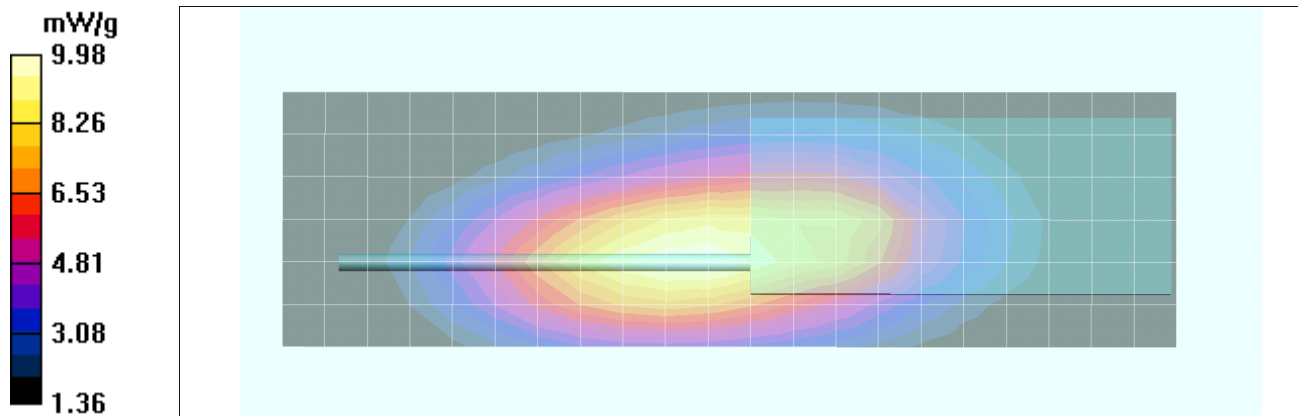
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 91.4 V/m; Power Drift = -0.158 dB



Peak SAR (extrapolated) = 14.0 W/kg

SAR(1 g) = 9.49 mW/g; SAR(10 g) = 6.71 mW/g

Maximum value of SAR (measured) = 9.98 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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Body SAR Plot B5

Date Tested: 08/16/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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) = 11.4 mW/g

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

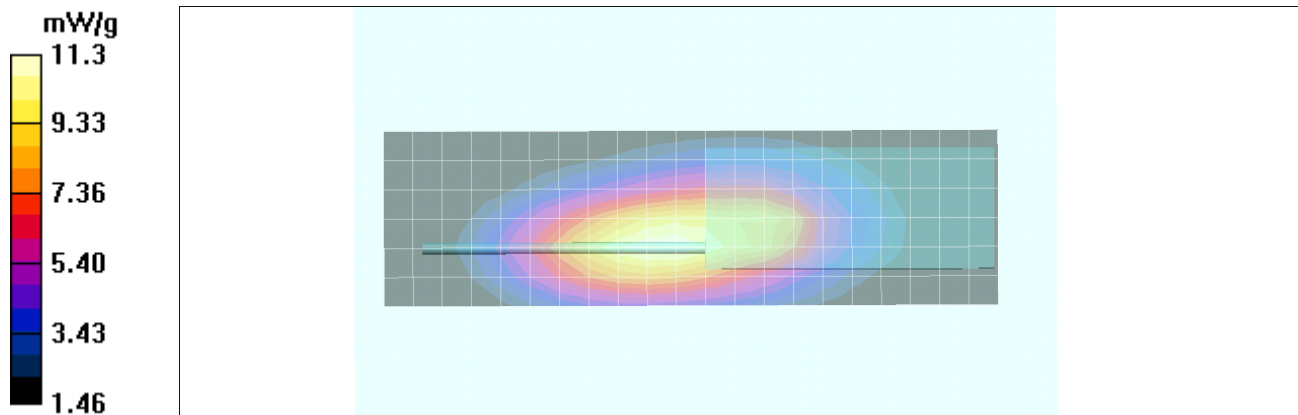
Reference Value = 103.9 V/m; Power Drift = -0.278 dB


Peak SAR (extrapolated) = 16.2 W/kg



SAR(1 g) = 10.8 mW/g; SAR(10 g) = 7.51 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

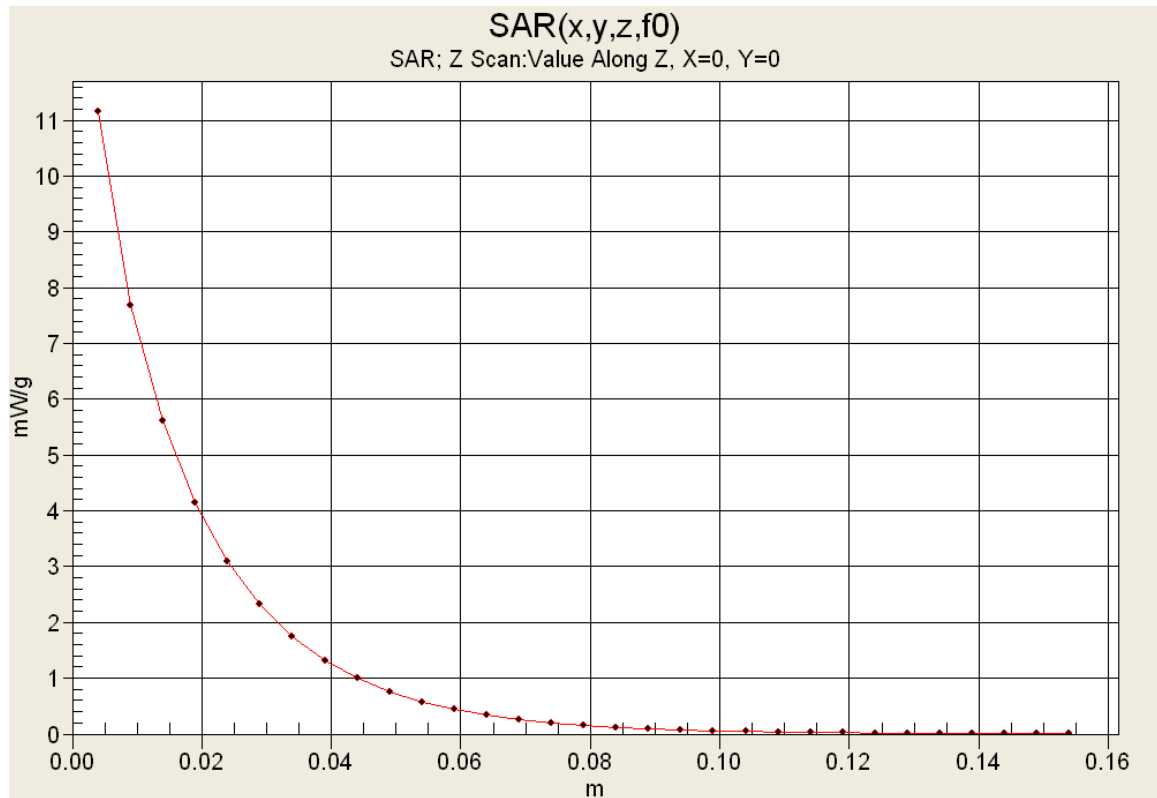
Maximum value of SAR (measured) = 11.3 mW/g






Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

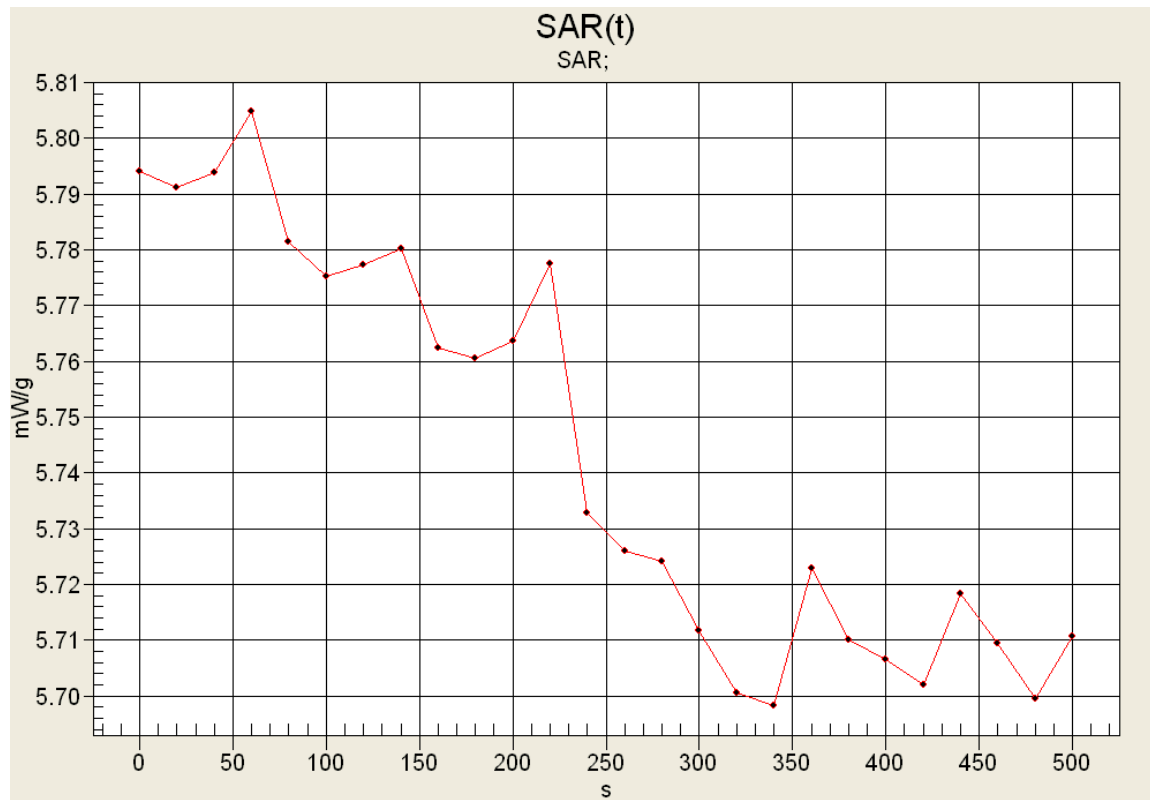
Z-axis Scan






Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L		406.1 - 470.0 MHz	
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

SAR-Versus-Time Droop



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L		406.1 - 470.0 MHz	
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	Test Report Issue Date October 05, 2011	Description of Test(s) Specific Absorption Rate	RF Exposure Category Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B6

Date Tested: 08/16/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.98 \text{ mho/m}$; $\epsilon_r = 55.2$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 10.5 mW/g

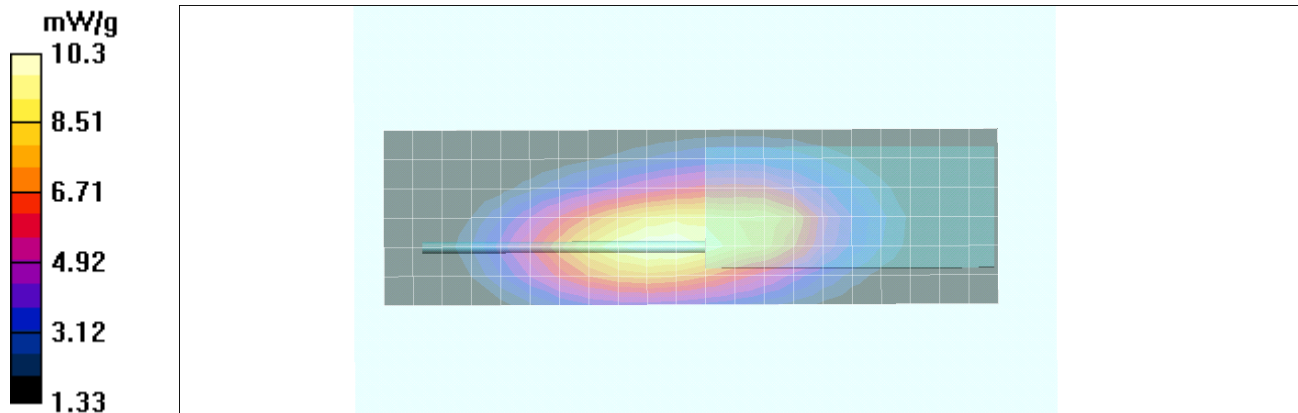
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 92.5 V/m; Power Drift = -0.064 dB



Peak SAR (extrapolated) = 14.6 W/kg

SAR(1 g) = 9.76 mW/g; SAR(10 g) = 6.82 mW/g

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L		406.1 - 470.0 MHz	
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	<u>Test Report Issue Date</u> October 05, 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: 08/12/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 56.6$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 10.6 mW/g

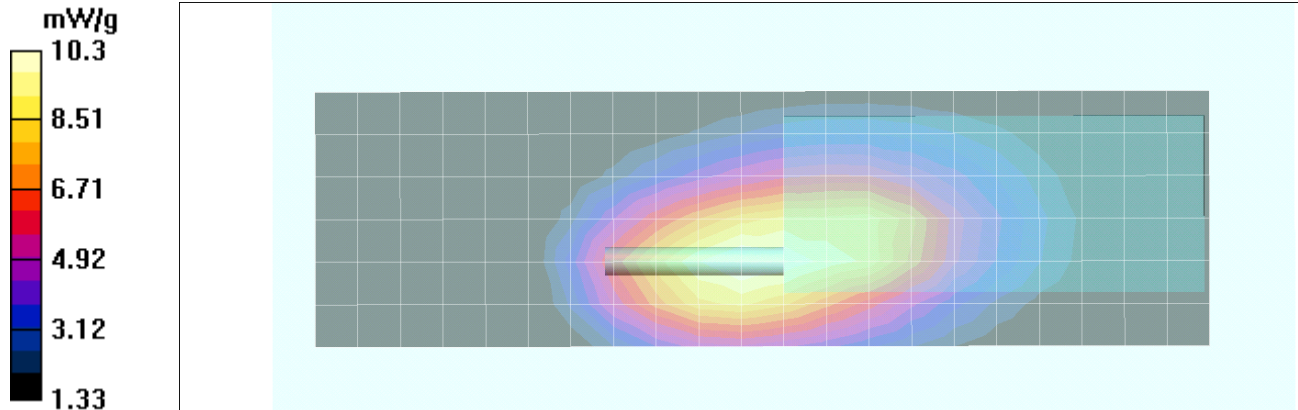
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 90.8 V/m; Power Drift = -0.143 dB

Peak SAR (extrapolated) = 14.4 W/kg

SAR(1 g) = 9.75 mW/g; SAR(10 g) = 6.9 mW/g

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

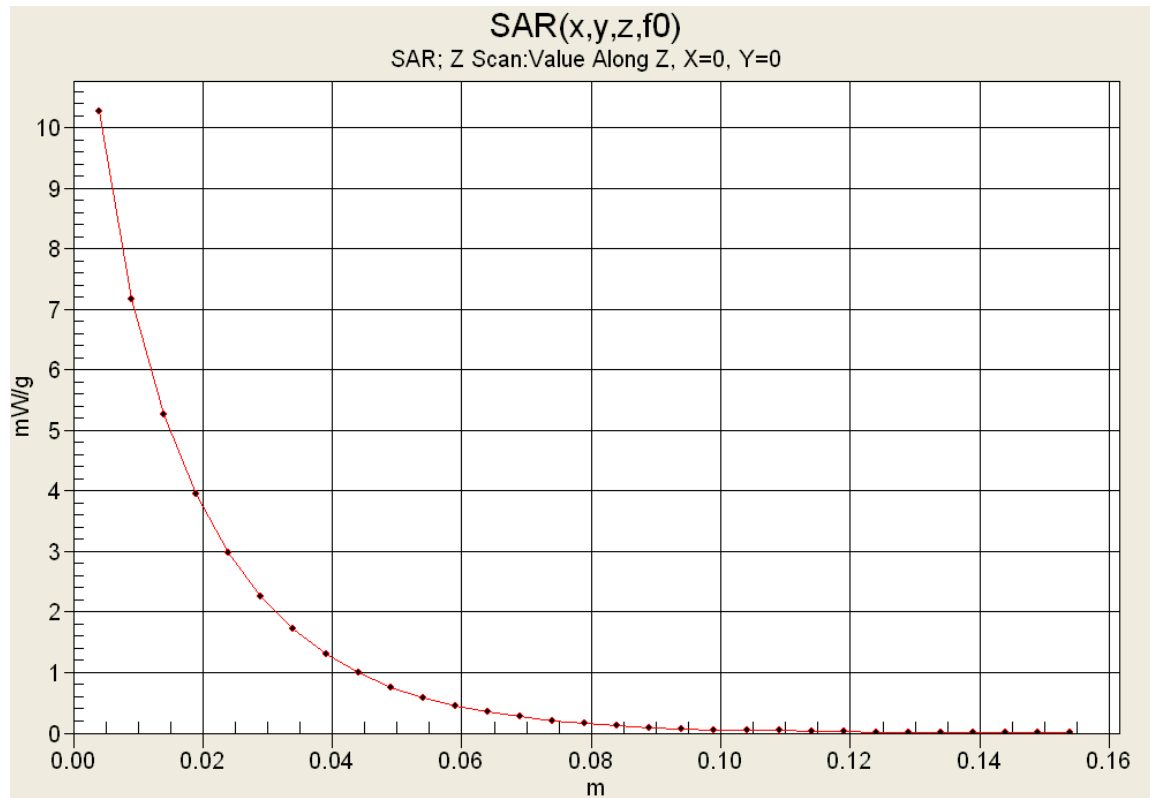



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> 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	Model:	XG-75 UHF-L		406.1 - 470.0 MHz	
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	<u>Test Report Issue Date</u> October 05, 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 B8

Date Tested: 08/16/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 9.94 mW/g

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

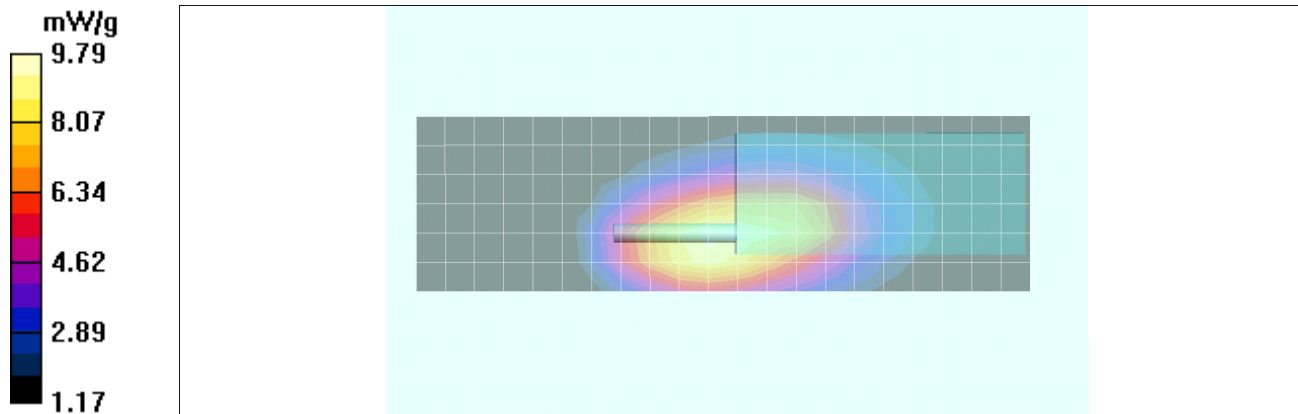
Reference Value = 100.3 V/m; Power Drift = -0.597 dB


Peak SAR (extrapolated) = 14.0 W/kg



SAR(1 g) = 9.31 mW/g; SAR(10 g) = 6.52 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.79 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Date(s) of Evaluation</u> August 11-16, 2011	<u>Test Report Serial No.</u> 063011OWD-T1107-S90U	<u>Test Report Revision No.</u> Rev. 1.2 (3rd Release)	
	<u>Test Report Issue Date</u> October 05, 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: 08/16/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 470 \text{ MHz}$; $\sigma = 0.98 \text{ mho/m}$; $\epsilon_r = 55.2$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 7.98 mW/g

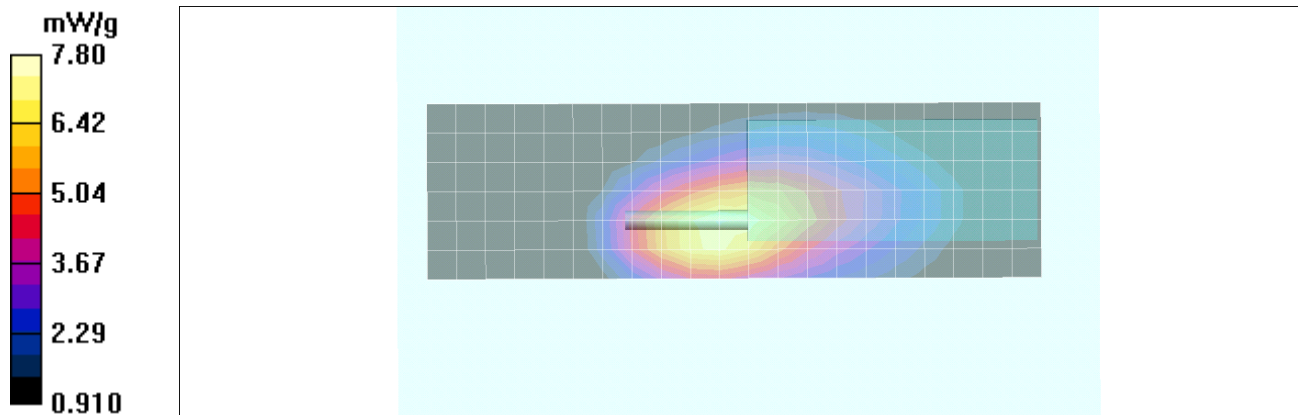
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 82.8 V/m; Power Drift = -0.146 dB



Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 7.41 mW/g; SAR(10 g) = 5.18 mW/g

Maximum value of SAR (measured) = 7.80 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 B10

Date Tested: 08/16/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 418.05 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 418.05 \text{ MHz}$; $\sigma = 0.94 \text{ mho/m}$; $\epsilon_r = 56.5$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 10.2 mW/g

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

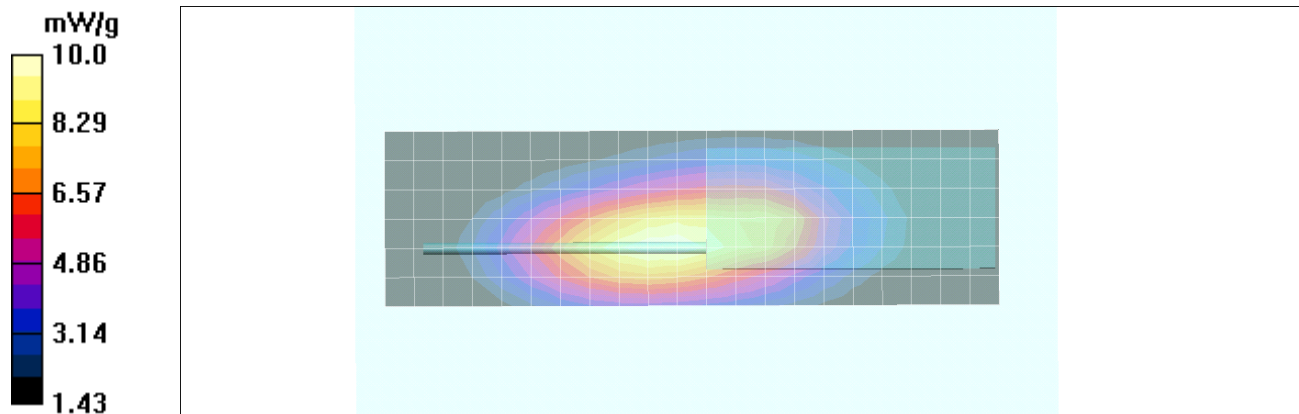
Reference Value = 90.1 V/m; Power Drift = -0.130 dB


Peak SAR (extrapolated) = 14.2 W/kg



SAR(1 g) = 9.54 mW/g; SAR(10 g) = 6.73 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B11

Date Tested: 08/16/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 418.05 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 418.05 \text{ MHz}$; $\sigma = 0.94 \text{ mho/m}$; $\epsilon_r = 56.5$; $\rho = 1000 \text{ kg/m}^3$

- 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: DAS4, 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) = 7.20 mW/g

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

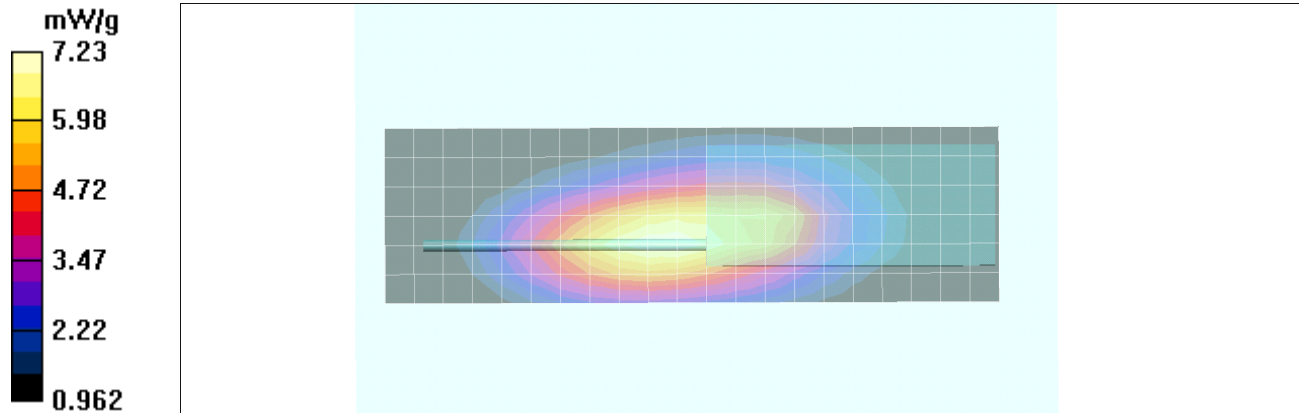
Reference Value = 84.2 V/m; Power Drift = -0.185 dB


Peak SAR (extrapolated) = 10.3 W/kg



SAR(1 g) = 6.90 mW/g; SAR(10 g) = 4.86 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 7.23 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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: 08/16/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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) = 10.5 mW/g

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

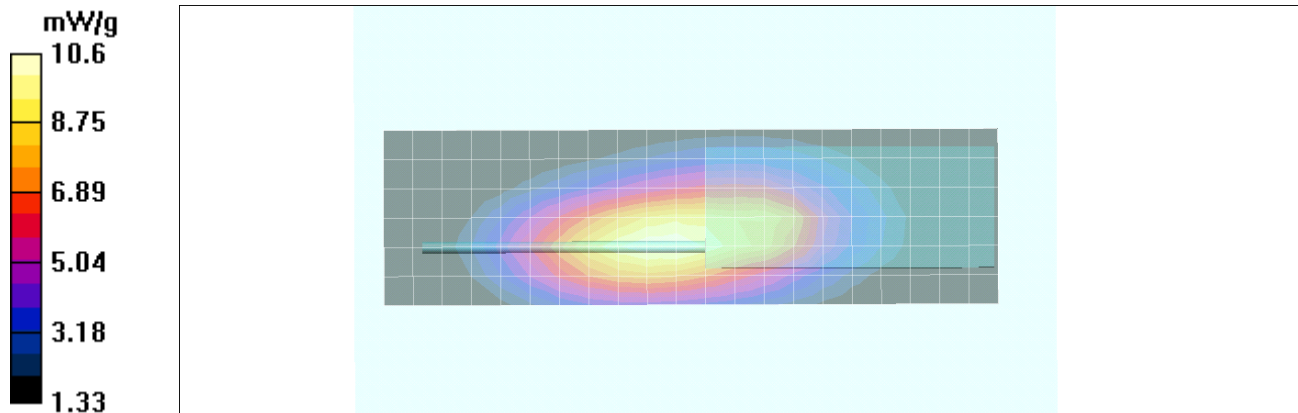
Reference Value = 91.4 V/m; Power Drift = 0.213 dB


Peak SAR (extrapolated) = 15.2 W/kg



SAR(1 g) = 10.1 mW/g; SAR(10 g) = 7.08 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 B13

Date Tested: 08/16/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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) = 9.91 mW/g

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

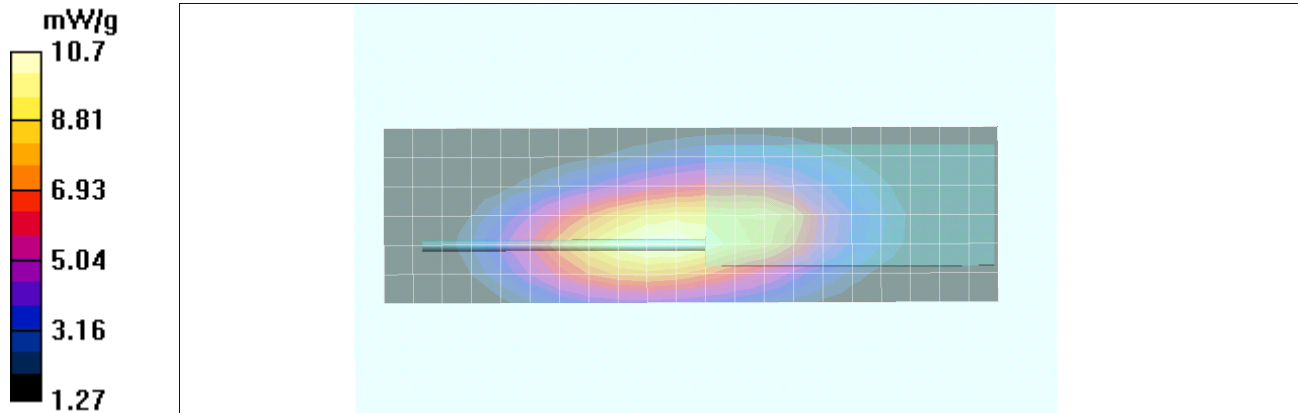
Reference Value = 93.4 V/m; Power Drift = 0.161 dB


Peak SAR (extrapolated) = 15.4 W/kg



SAR(1 g) = 10.2 mW/g; SAR(10 g) = 7.08 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B14

Date Tested: 08/12/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 56.6$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 9.76 mW/g

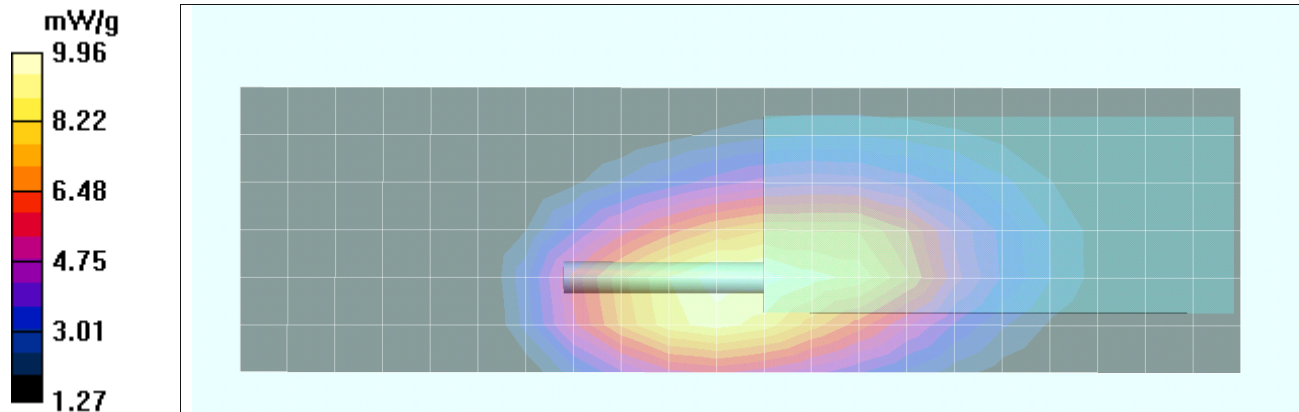
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 83.5 V/m; Power Drift = -0.046 dB



Peak SAR (extrapolated) = 14.0 W/kg

SAR(1 g) = 9.47 mW/g; SAR(10 g) = 6.68 mW/g

Maximum value of SAR (measured) = 9.96 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 B15

Date Tested: 08/12/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 56.6$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 7.46 mW/g

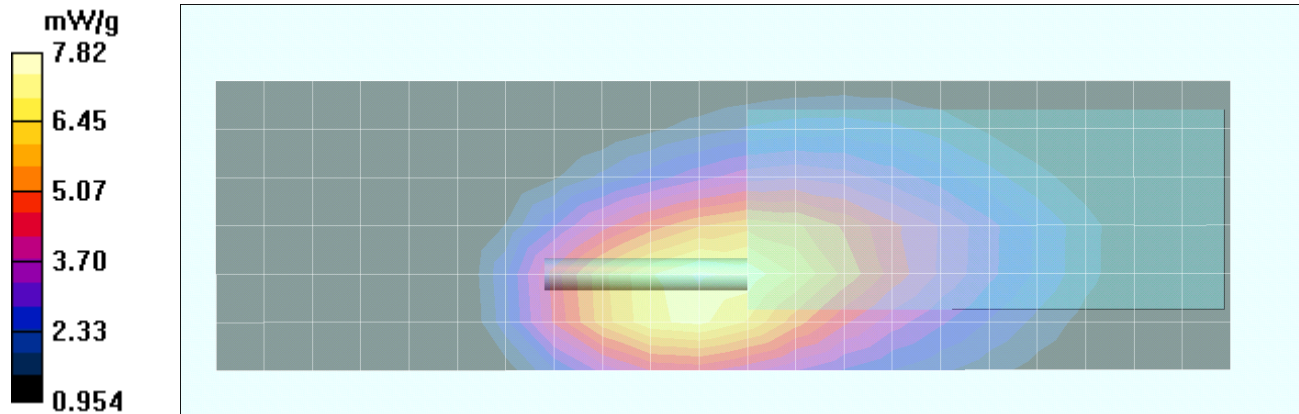
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 73.0 V/m; Power Drift = 0.020 dB



Peak SAR (extrapolated) = 11.1 W/kg

SAR(1 g) = 7.44 mW/g; SAR(10 g) = 5.21 mW/g

Maximum value of SAR (measured) = 7.82 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B16

Date Tested: 08/11/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.7C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 58$; $\rho = 1000 \text{ kg/m}^3$

- 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 (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.29 mW/g

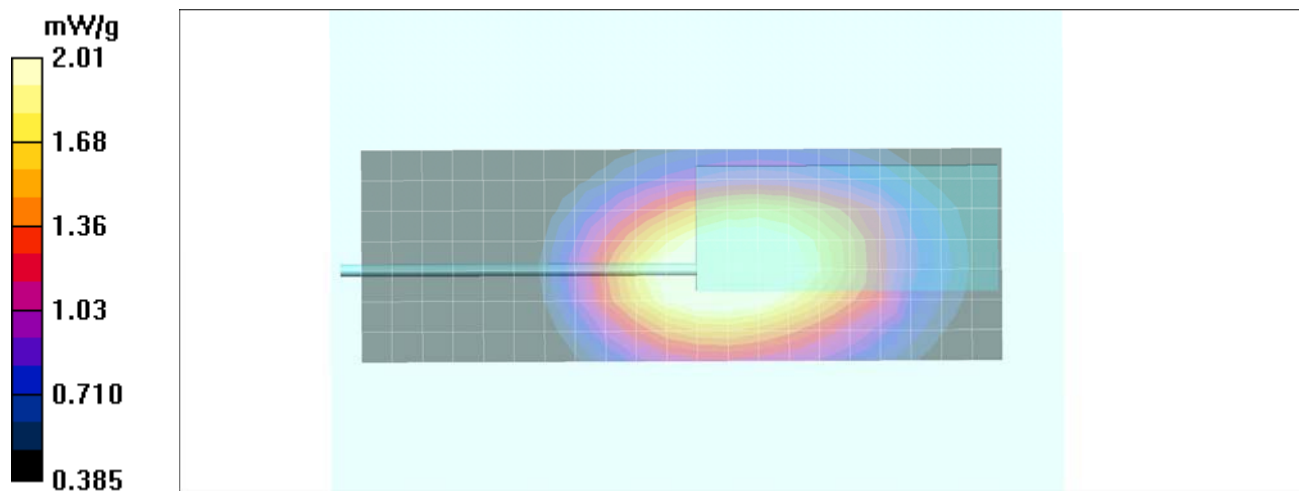
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 44.4 V/m; Power Drift = -0.467 dB



Peak SAR (extrapolated) = 2.70 W/kg

SAR(1 g) = 1.92 mW/g; SAR(10 g) = 1.43 mW/g

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B17

Date Tested: 08/11/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.7C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 58$; $\rho = 1000 \text{ kg/m}^3$

- 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 (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

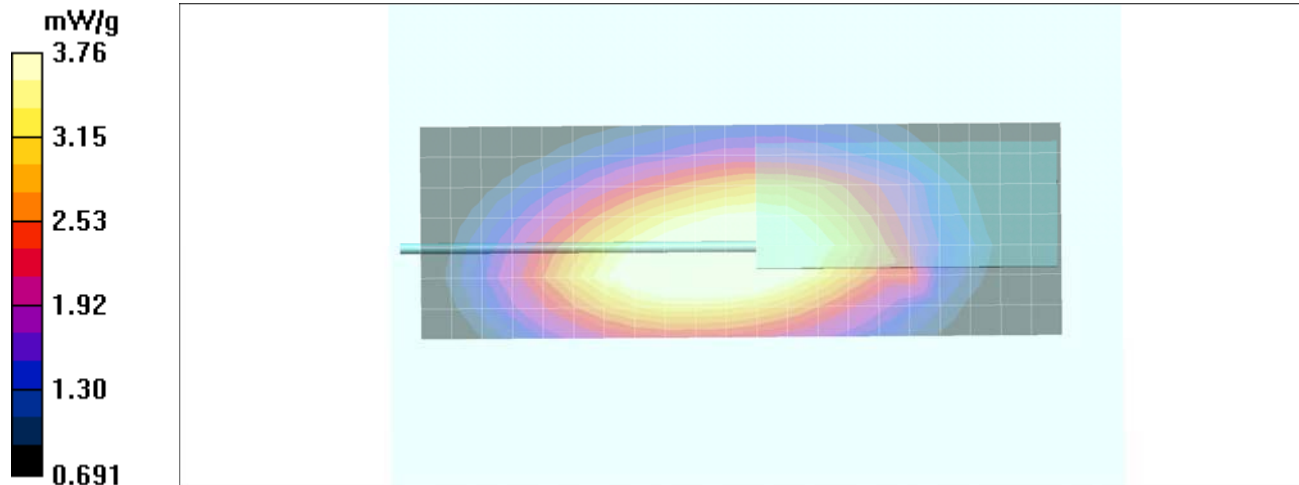
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 60.1 V/m; Power Drift = -0.474 dB



Peak SAR (extrapolated) = 5.03 W/kg

SAR(1 g) = 3.60 mW/g; SAR(10 g) = 2.7 mW/g

Maximum value of SAR (measured) = 3.76 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B18

Date Tested: 08/12/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 56.6$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 2.48 mW/g

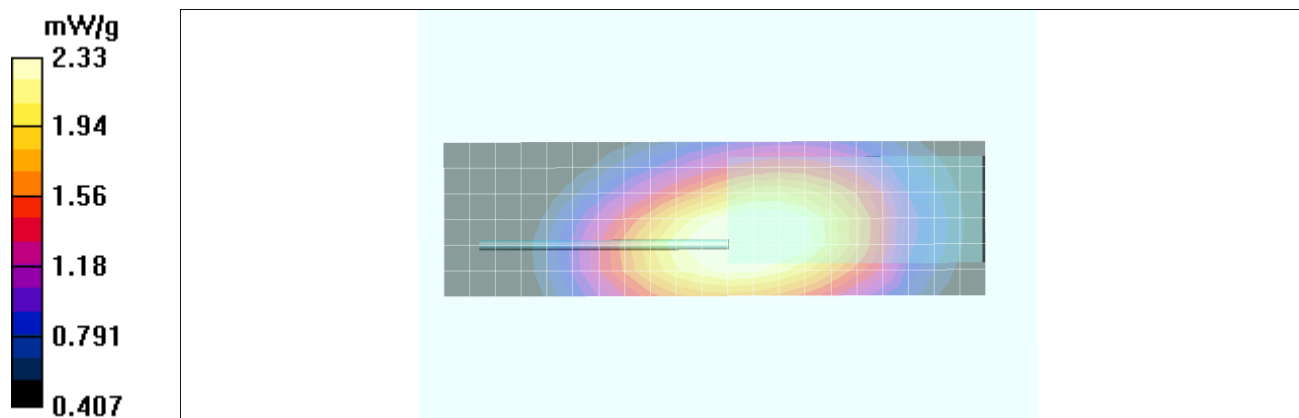
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 47.6 V/m; Power Drift = -0.246 dB



Peak SAR (extrapolated) = 3.16 W/kg

SAR(1 g) = 2.22 mW/g; SAR(10 g) = 1.64 mW/g

Maximum value of SAR (measured) = 2.33 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 B19

Date Tested: 08/12/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 56.6$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 3.20 mW/g

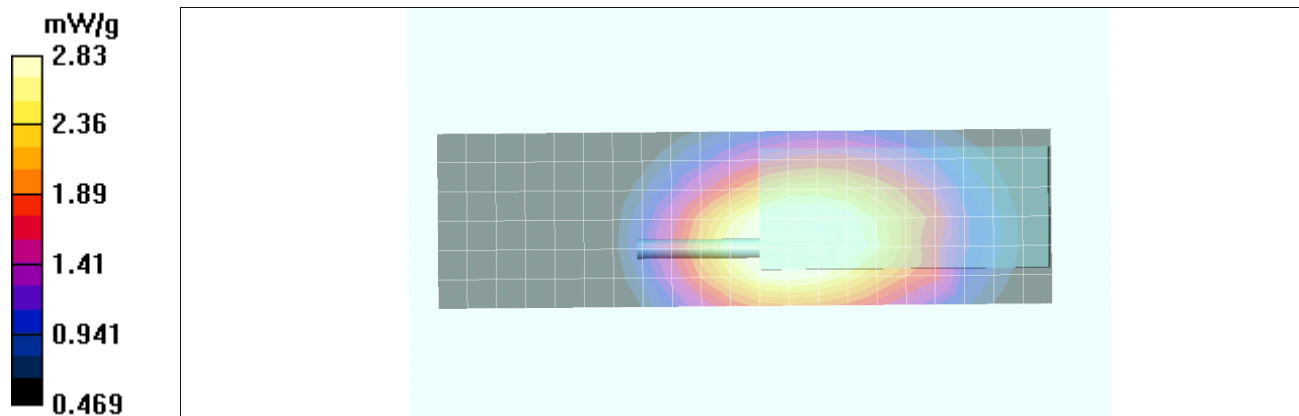
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 50.2 V/m; Power Drift = -0.142 dB



Peak SAR (extrapolated) = 3.83 W/kg

SAR(1 g) = 2.70 mW/g; SAR(10 g) = 1.98 mW/g

Maximum value of SAR (measured) = 2.83 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B20

Date Tested: 08/12/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 56.5$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 3.55 mW/g

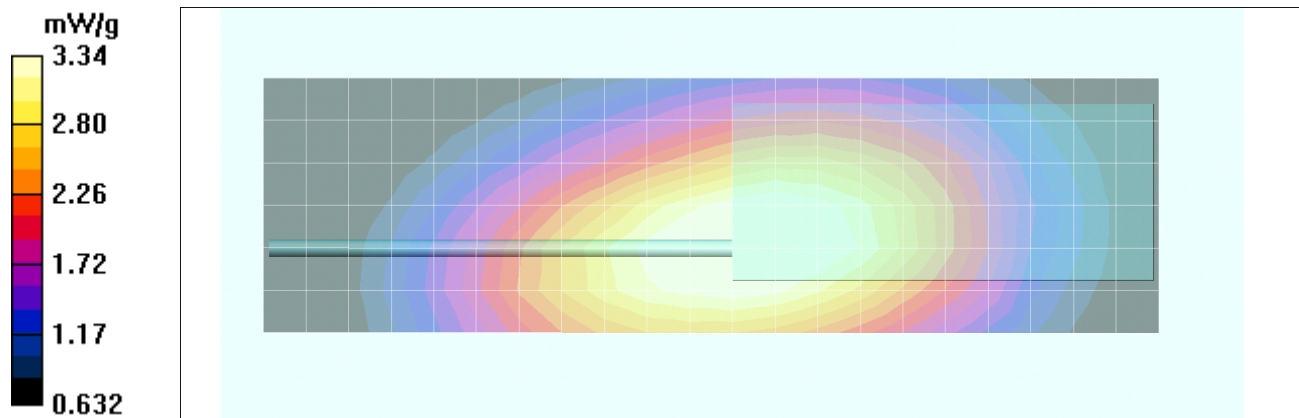
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 56.6 V/m; Power Drift = -0.099 dB



Peak SAR (extrapolated) = 4.48 W/kg

SAR(1 g) = 3.20 mW/g; SAR(10 g) = 2.39 mW/g

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B21

Date Tested: 08/12/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 56.5$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 2.26 mW/g

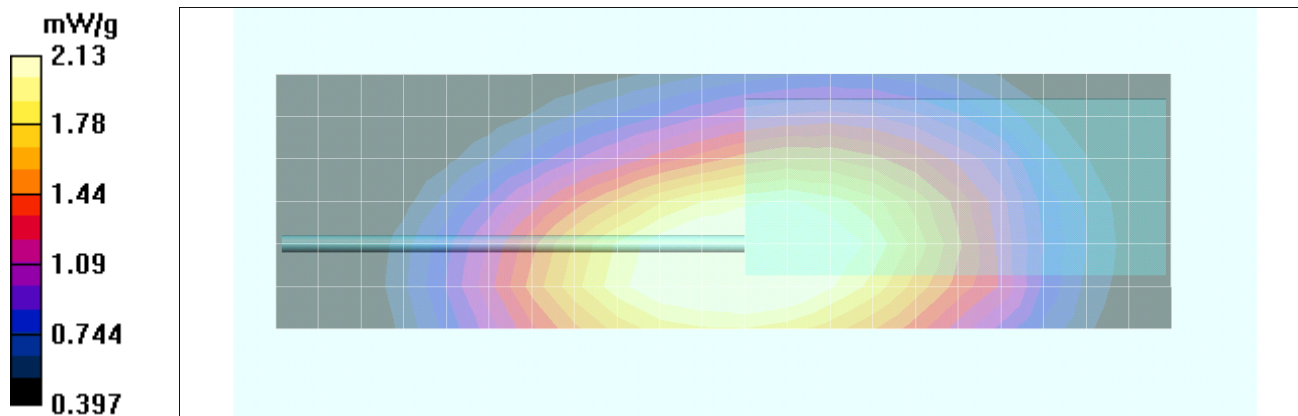
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 43.5 V/m; Power Drift = -0.175 dB



Peak SAR (extrapolated) = 2.88 W/kg

SAR(1 g) = 2.04 mW/g; SAR(10 g) = 1.51 mW/g

Maximum value of SAR (measured) = 2.13 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 B22

Date Tested: 08/11/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.7C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 58$; $\rho = 1000 \text{ kg/m}^3$

- 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 (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

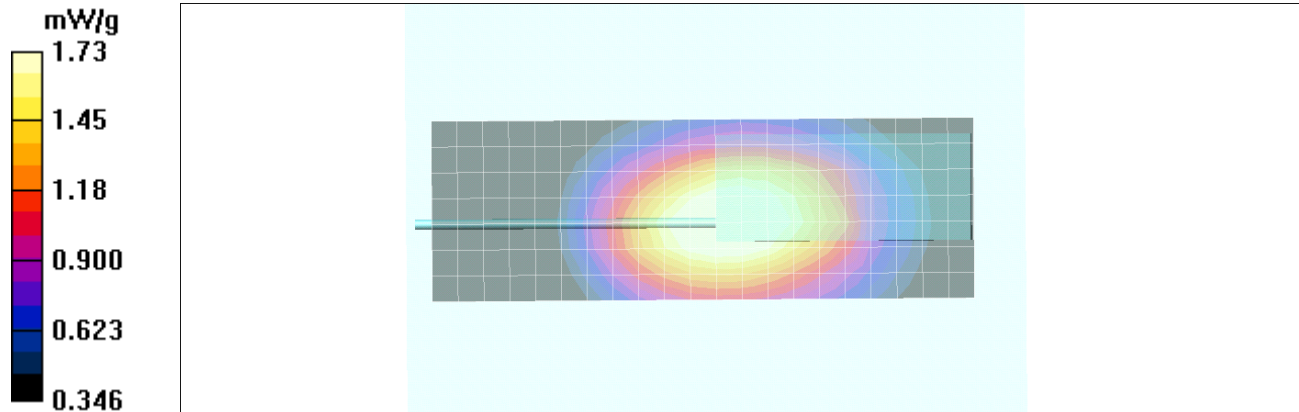
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 42.5 V/m; Power Drift = -0.478 dB



Peak SAR (extrapolated) = 2.30 W/kg

SAR(1 g) = 1.66 mW/g; SAR(10 g) = 1.25 mW/g

Maximum value of SAR (measured) = 1.73 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 B23

Date Tested: 08/11/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.7C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 58$; $\rho = 1000 \text{ kg/m}^3$

- 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 (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.97 mW/g

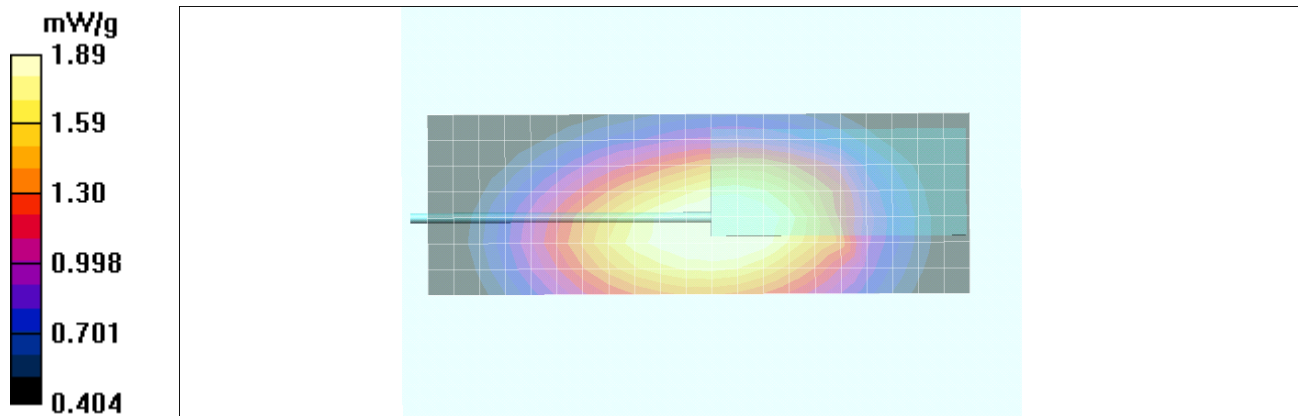
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 43.0 V/m; Power Drift = -0.196 dB



Peak SAR (extrapolated) = 2.51 W/kg

SAR(1 g) = 1.82 mW/g; SAR(10 g) = 1.38 mW/g

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 B24

Date Tested: 08/12/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 56.6$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 2.21 mW/g

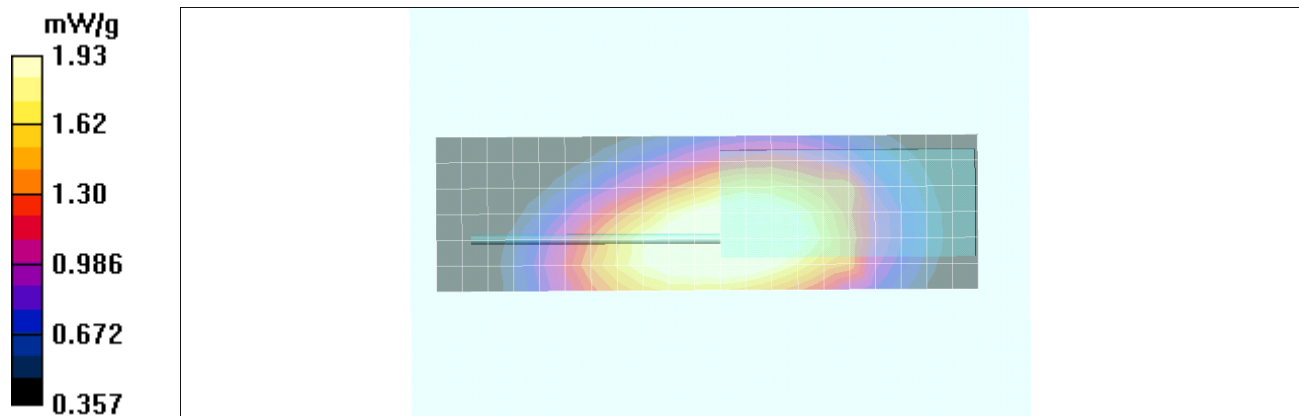
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 42.3 V/m; Power Drift = -0.122 dB



Peak SAR (extrapolated) = 2.60 W/kg

SAR(1 g) = 1.85 mW/g; SAR(10 g) = 1.38 mW/g

Maximum value of SAR (measured) = 1.93 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 B25

Date Tested: 08/12/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 56.6$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 1.51 mW/g

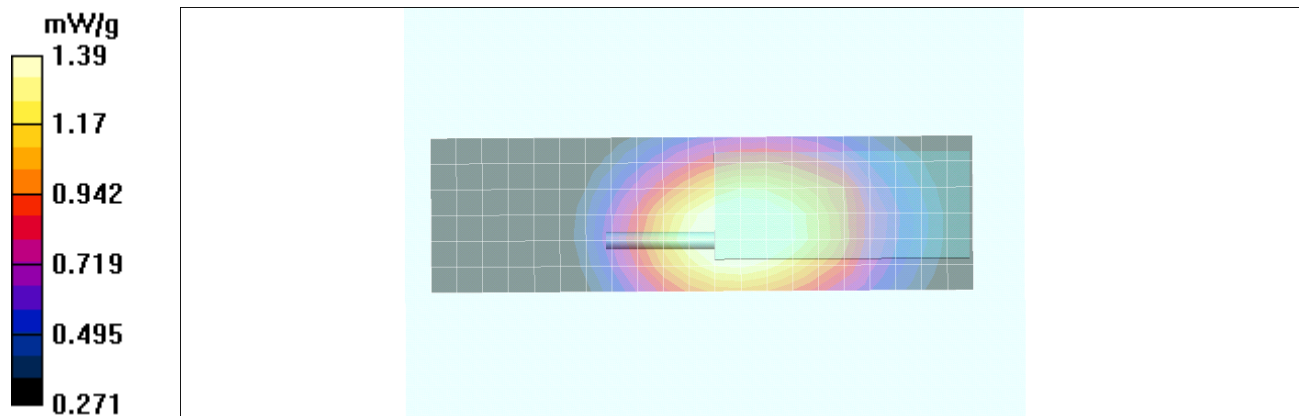
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 37.8 V/m; Power Drift = -0.391 dB



Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 1.34 mW/g; SAR(10 g) = 1.01 mW/g

Maximum value of SAR (measured) = 1.39 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 B26

Date Tested: 08/12/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 56.6$; $\rho = 1000 \text{ kg/m}^3$

- 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

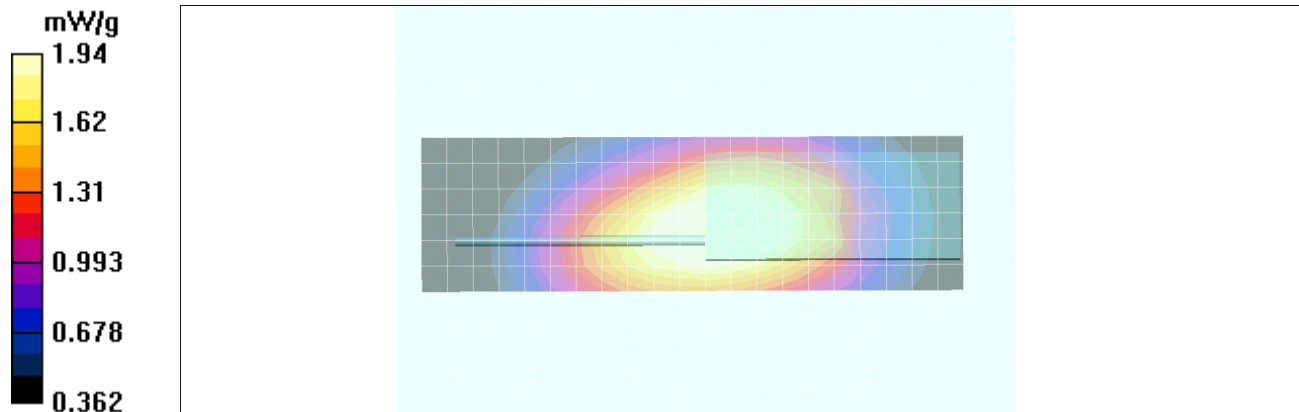
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 45.7 V/m; Power Drift = -0.389 dB



Peak SAR (extrapolated) = 2.61 W/kg

SAR(1 g) = 1.86 mW/g; SAR(10 g) = 1.39 mW/g

Maximum value of SAR (measured) = 1.94 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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Test Lab Certificate No. 2470.01

Body SAR Plot B27

Date Tested: 08/12/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 56.6$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 2.36 mW/g

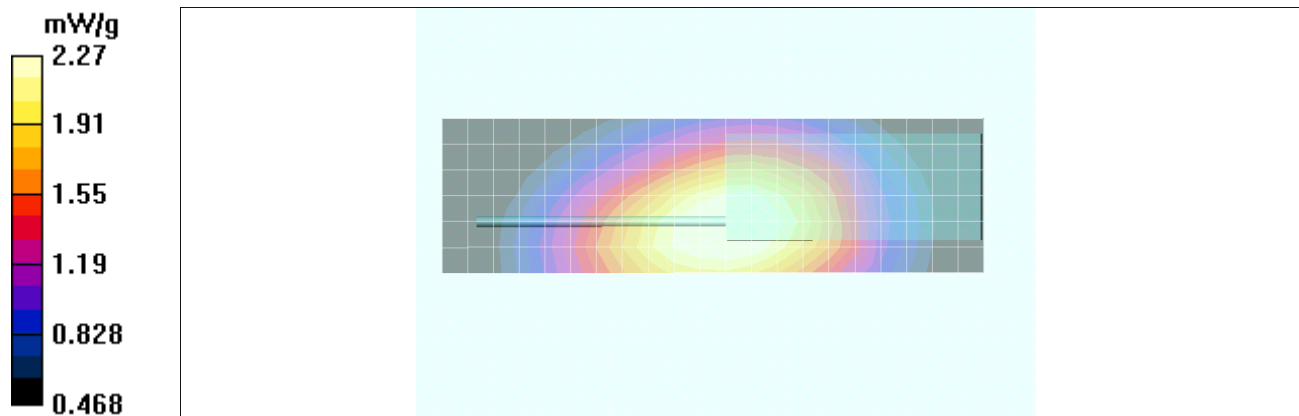
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 46.6 V/m; Power Drift = -0.153 dB



Peak SAR (extrapolated) = 3.01 W/kg

SAR(1 g) = 2.18 mW/g; SAR(10 g) = 1.65 mW/g

Maximum value of SAR (measured) = 2.27 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B28

Date Tested: 08/11/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.7C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 58$; $\rho = 1000 \text{ kg/m}^3$

- 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 (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

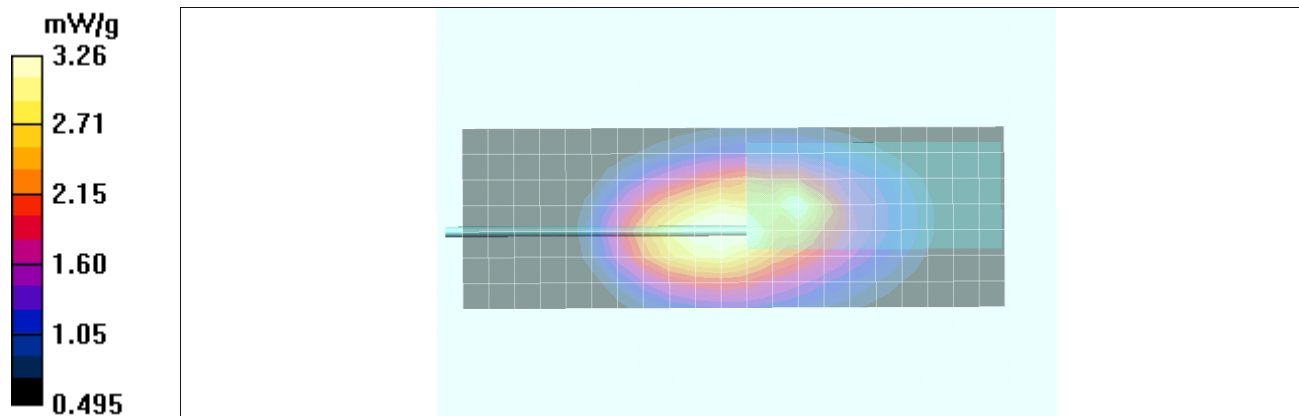
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 54.1 V/m; Power Drift = -0.573 dB



Peak SAR (extrapolated) = 4.77 W/kg

SAR(1 g) = 3.06 mW/g; SAR(10 g) = 2.16 mW/g

Maximum value of SAR (measured) = 3.26 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 B29

Date Tested: 08/11/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.7C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.93 \text{ mho/m}$; $\epsilon_r = 58$; $\rho = 1000 \text{ kg/m}^3$

- 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 (8x23x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 5.26 mW/g

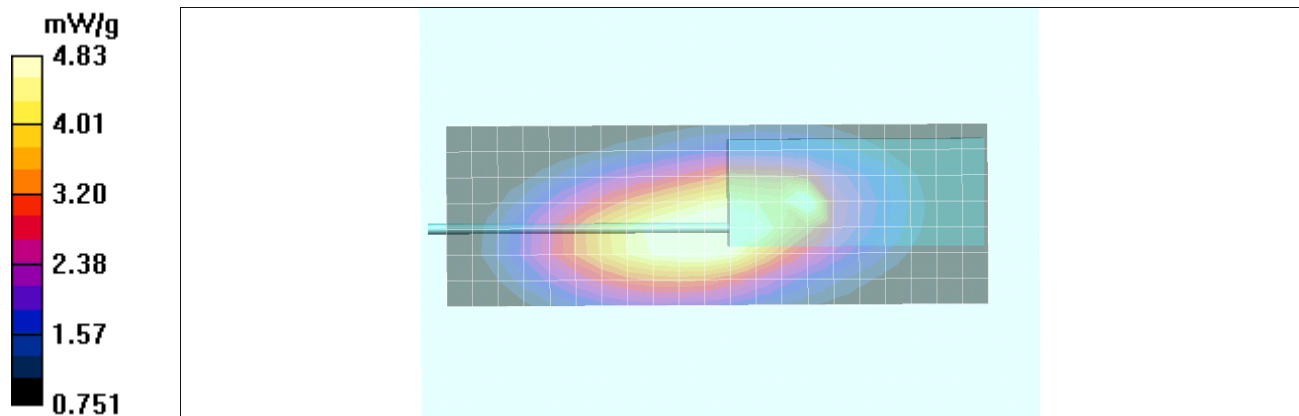
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 65.5 V/m; Power Drift = -0.230 dB



Peak SAR (extrapolated) = 6.66 W/kg

SAR(1 g) = 4.62 mW/g; SAR(10 g) = 3.39 mW/g

Maximum value of SAR (measured) = 4.83 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 B30

Date Tested: 08/12/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 56.6$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 5.42 mW/g

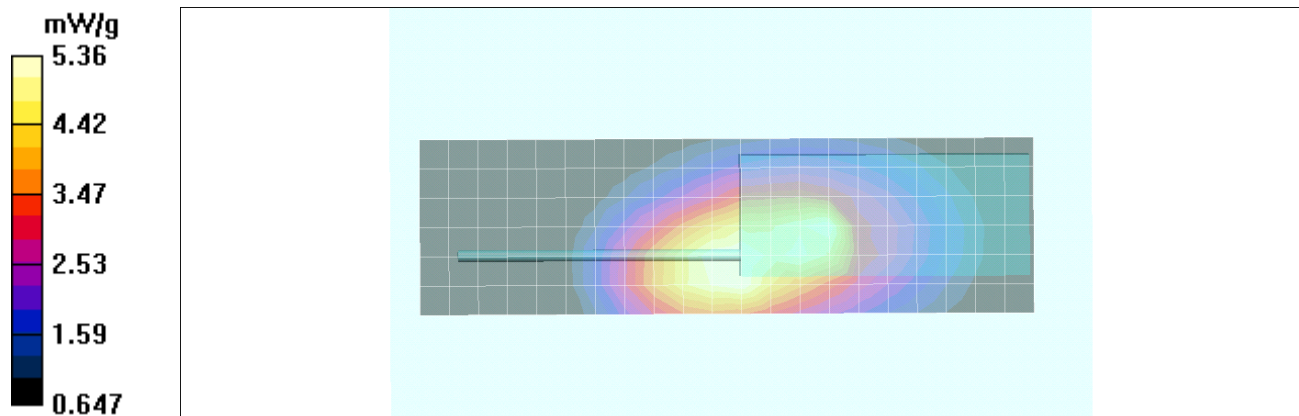
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 66.3 V/m; Power Drift = -0.155 dB



Peak SAR (extrapolated) = 8.73 W/kg

SAR(1 g) = 5.03 mW/g; SAR(10 g) = 3.37 mW/g

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 B31

Date Tested: 08/15/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 56.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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) = 5.90 mW/g

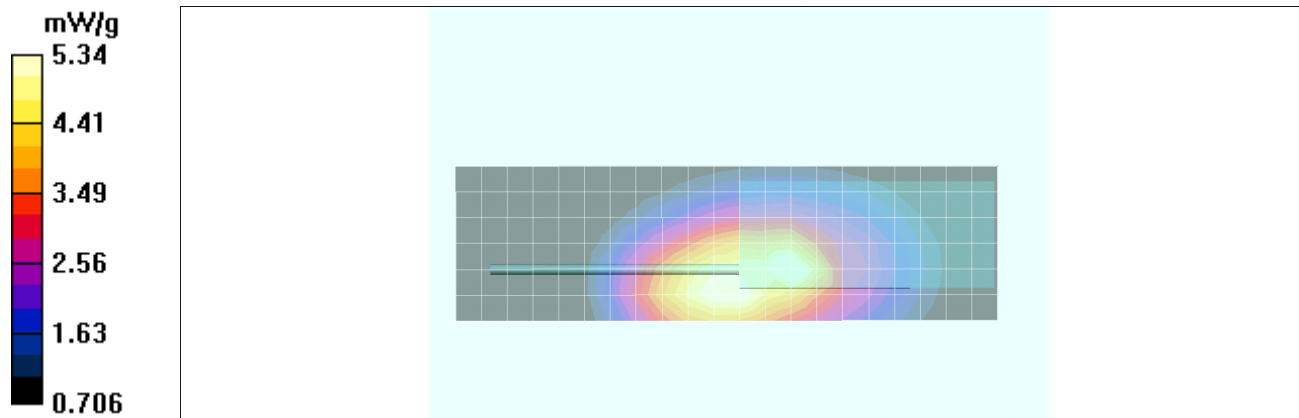
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 65.6 V/m; Power Drift = 0.0186 dB



Peak SAR (extrapolated) = 7.57 W/kg

SAR(1 g) = 4.78 mW/g; SAR(10 g) = 3.4 mW/g

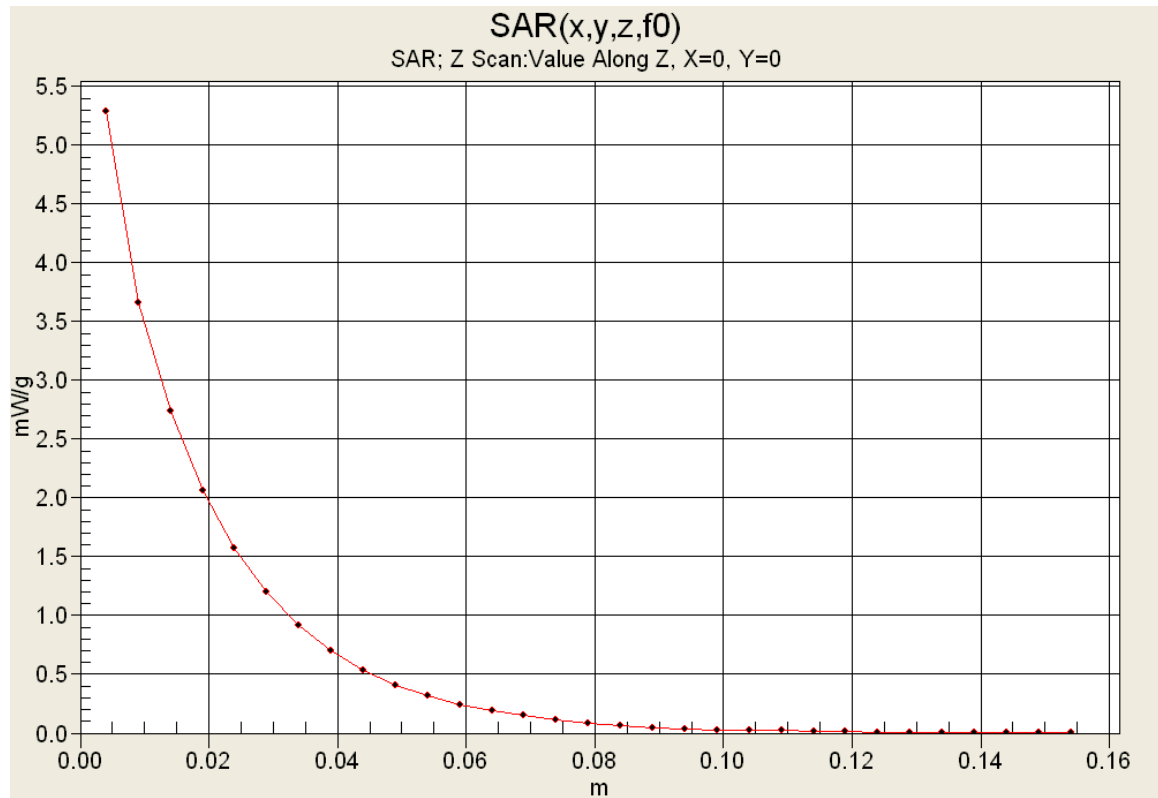
Maximum value of SAR (measured) = 5.34 mW/g






Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 B32

Date Tested: 08/15/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 56.1$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 4.60 mW/g

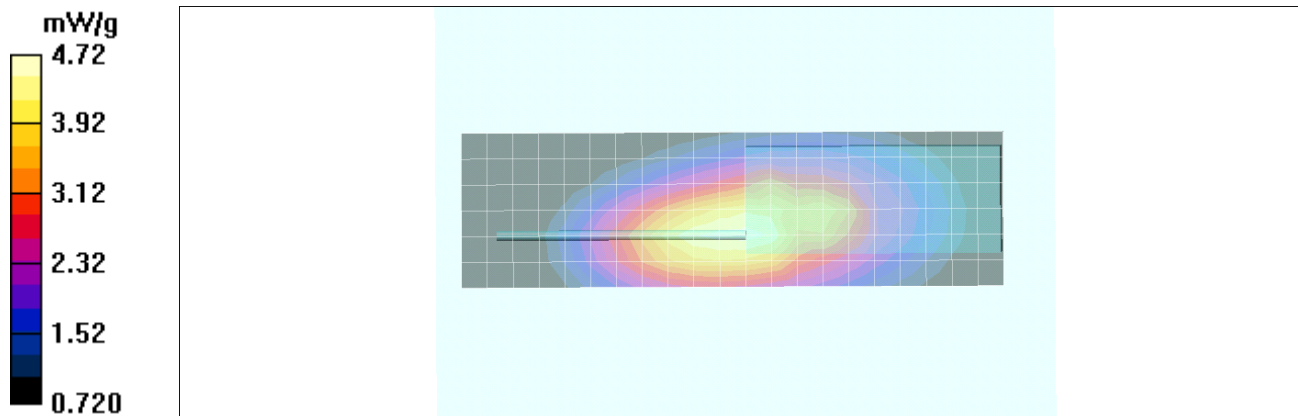
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 65.4 V/m; Power Drift = -0.175 dB



Peak SAR (extrapolated) = 6.70 W/kg

SAR(1 g) = 4.51 mW/g; SAR(10 g) = 3.25 mW/g

Maximum value of SAR (measured) = 4.72 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B33

Date Tested: 08/15/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 56.1$; $\rho = 1000 \text{ kg/m}^3$

- 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

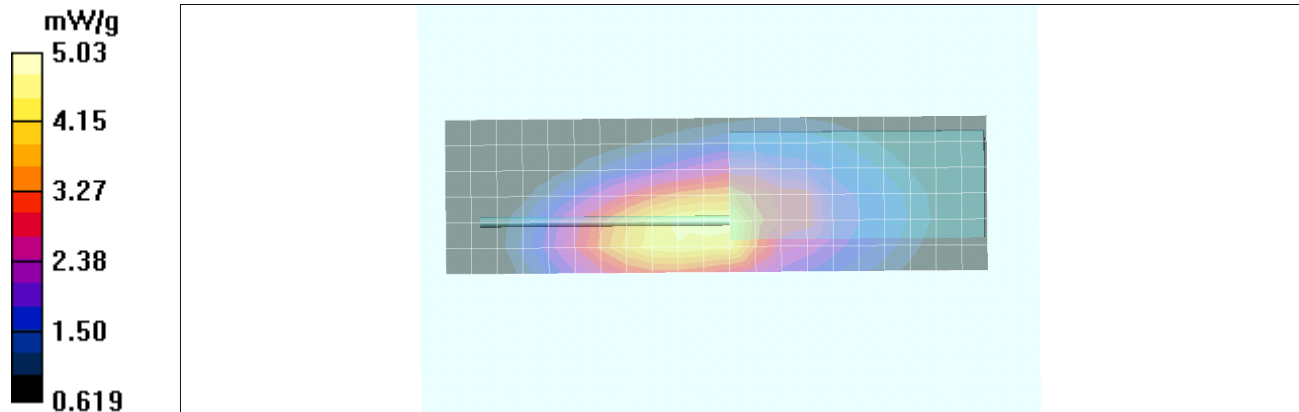
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 59.5 V/m; Power Drift = 0.036 dB



Peak SAR (extrapolated) = 7.97 W/kg

SAR(1 g) = 4.70 mW/g; SAR(10 g) = 3.25 mW/g

Maximum value of SAR (measured) = 5.03 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B34

Date Tested: 08/15/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.94 \text{ mho/m}$; $\epsilon_r = 56.5$; $\rho = 1000 \text{ kg/m}^3$

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

Maximum value of SAR (measured) = 1.41 mW/g

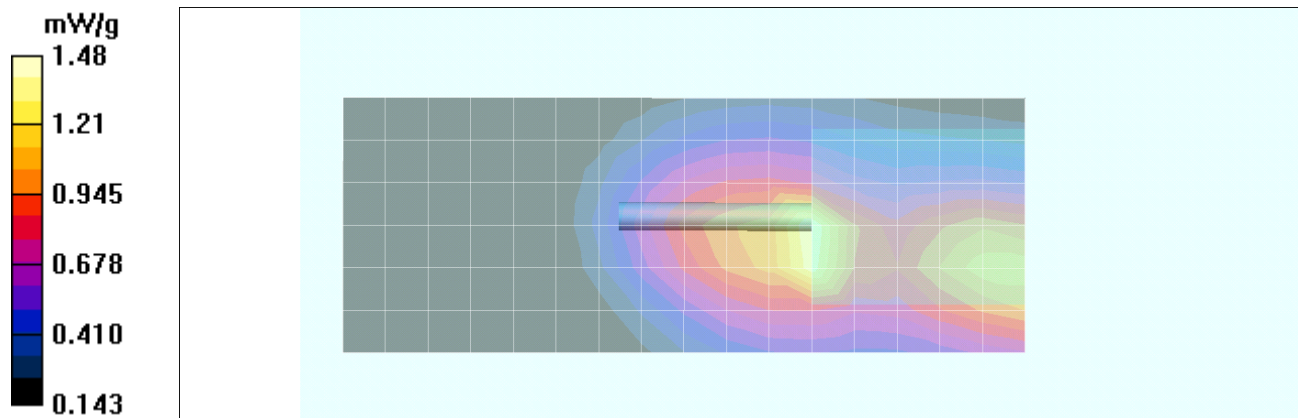
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 37.0 V/m; Power Drift = -0.336 dB



Peak SAR (extrapolated) = 3.26 W/kg

SAR(1 g) = 1.43 mW/g; SAR(10 g) = 0.834 mW/g

Maximum value of SAR (measured) = 1.48 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 B35

Date Tested: 08/15/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 430 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 430 \text{ MHz}$; $\sigma = 0.94 \text{ mho/m}$; $\epsilon_r = 56.5$; $\rho = 1000 \text{ kg/m}^3$

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

Maximum value of SAR (measured) = 1.44 mW/g

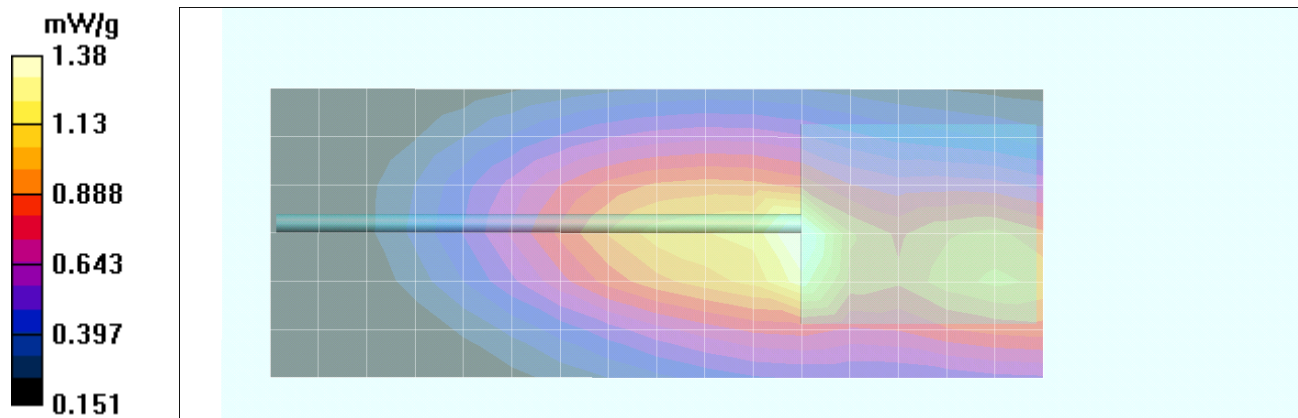
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 37.7 V/m; Power Drift = -0.466 dB



Peak SAR (extrapolated) = 2.61 W/kg

SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.808 mW/g

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	Test Report Issue Date October 05, 2011	Description of Test(s) Specific Absorption Rate	RF Exposure Category Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B36

Date Tested: 08/15/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 56.1$; $\rho = 1000 \text{ kg/m}^3$

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

Maximum value of SAR (measured) = 1.36 mW/g

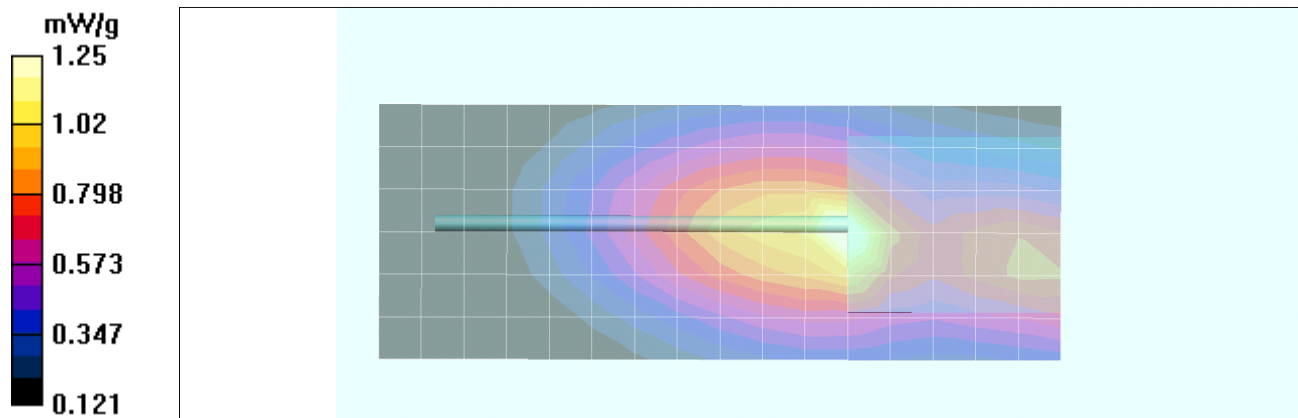
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 38.1 V/m; Power Drift = -0.704 dB



Peak SAR (extrapolated) = 2.48 W/kg

SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.702 mW/g

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L		406.1 - 470.0 MHz	
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B37

Date Tested: 08/15/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 440 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used: $f = 440 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 56.1$; $\rho = 1000 \text{ kg/m}^3$

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

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

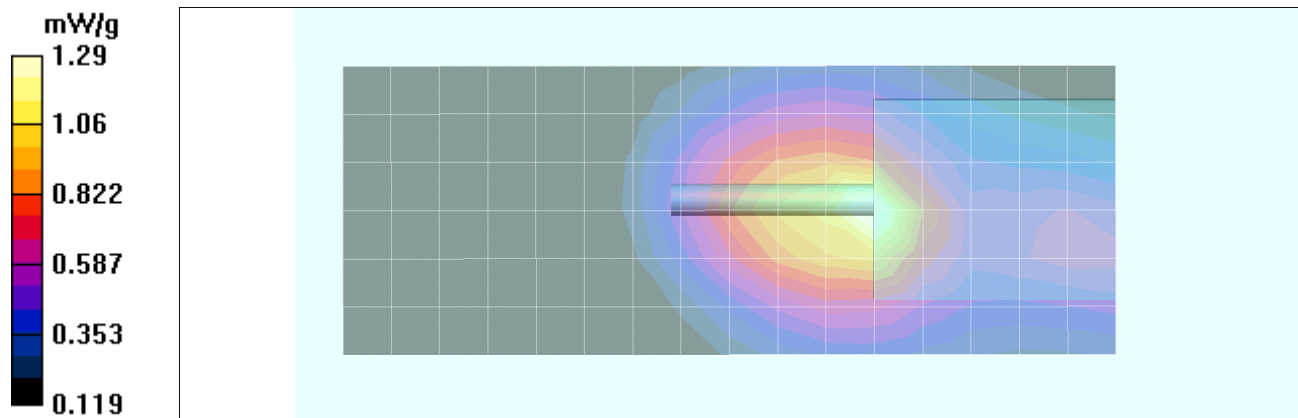
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 37.9 V/m; Power Drift = -0.550 dB



Peak SAR (extrapolated) = 2.53 W/kg

SAR(1 g) = 1.20 mW/g; SAR(10 g) = 0.730 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	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 A1

Date Tested: 08/16/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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) = 10.8 mW/g

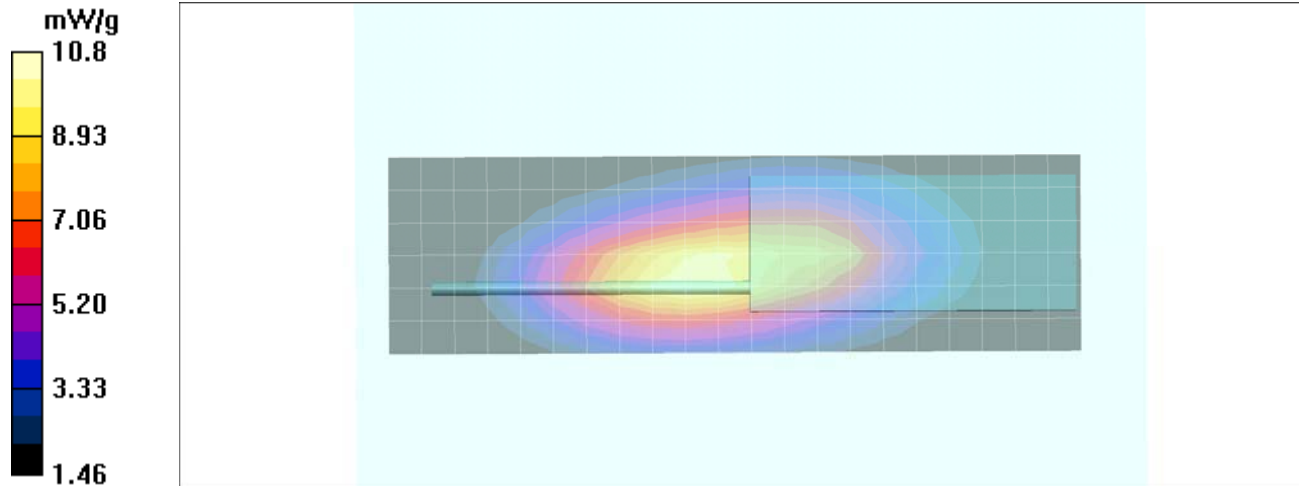
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 96.9 V/m; Power Drift = 0.060 dB



Peak SAR (extrapolated) = 15.4 W/kg

SAR(1 g) = 10.3 mW/g; SAR(10 g) = 7.23 mW/g

Info: Interpolated medium parameters used for SAR evaluation.



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot A2

Date Tested: 08/16/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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) = 11.1 mW/g

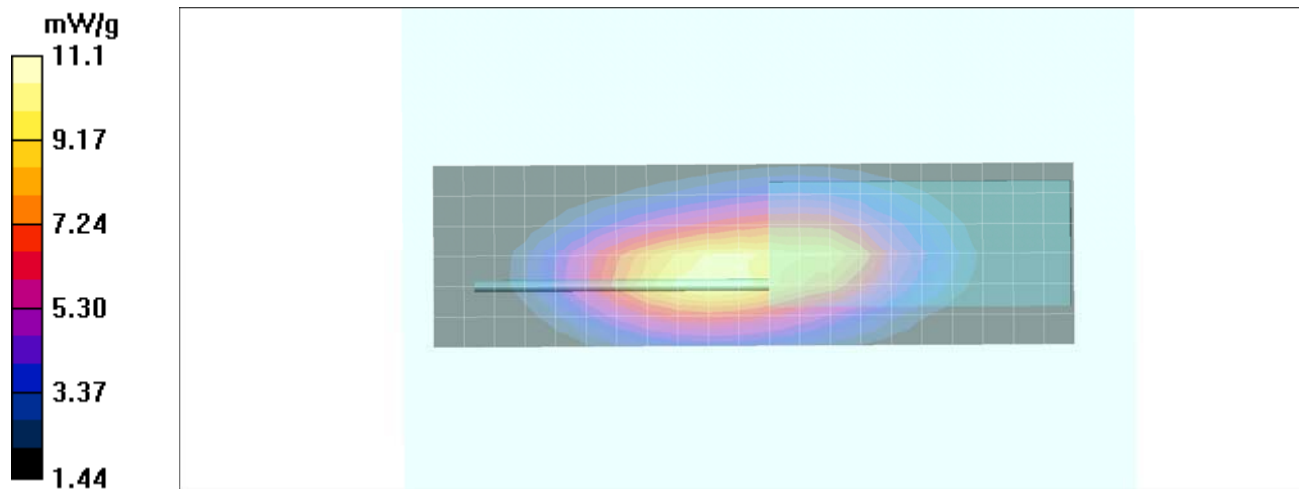
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 96.5 V/m; Power Drift = -0.147 dB



Peak SAR (extrapolated) = 16.0 W/kg

SAR(1 g) = 10.6 mW/g; SAR(10 g) = 7.36 mW/g

Info: Interpolated medium parameters used for SAR evaluation.



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 A3

Date Tested: 08/16/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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) = 10.6 mW/g

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

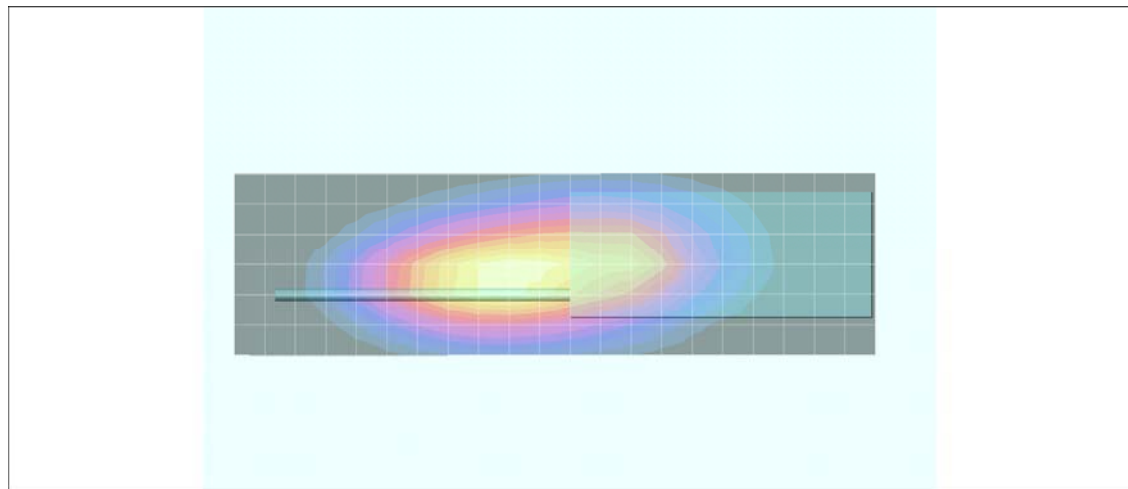
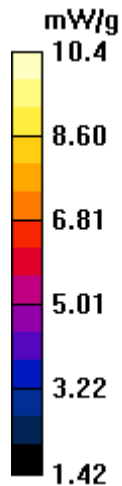
Reference Value = 96.2 V/m; Power Drift = -0.140 dB


Peak SAR (extrapolated) = 15.0 W/kg



SAR(1 g) = 9.90 mW/g; SAR(10 g) = 6.93 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 A4

Date Tested: 08/16/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.82, 7.82, 7.82); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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) = 9.66 mW/g

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

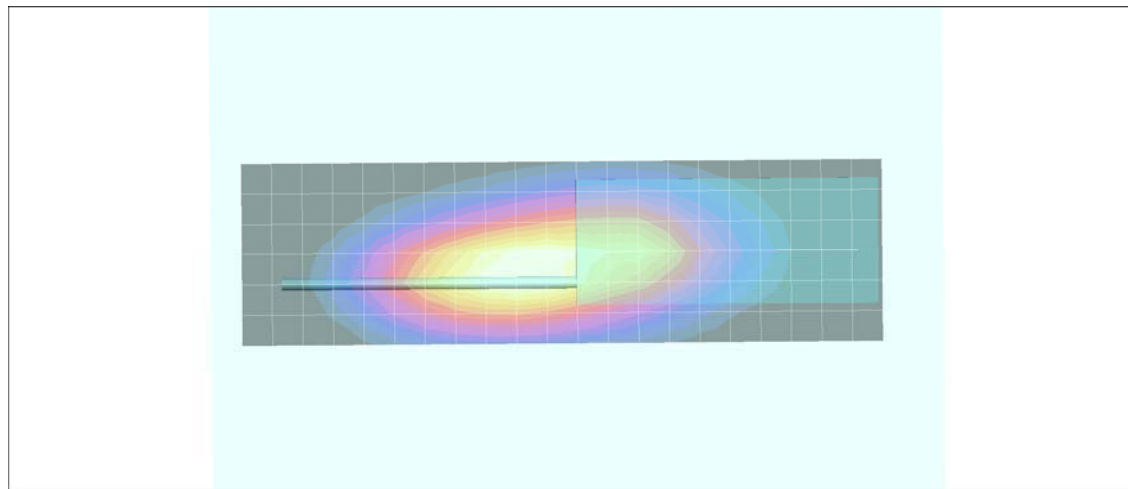
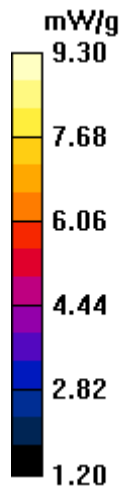
Reference Value = 92.7 V/m; Power Drift = -0.289 dB


Peak SAR (extrapolated) = 13.4 W/kg



SAR(1 g) = 8.86 mW/g; SAR(10 g) = 6.19 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 A5

Date Tested: 08/16/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 7.55 mW/g

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

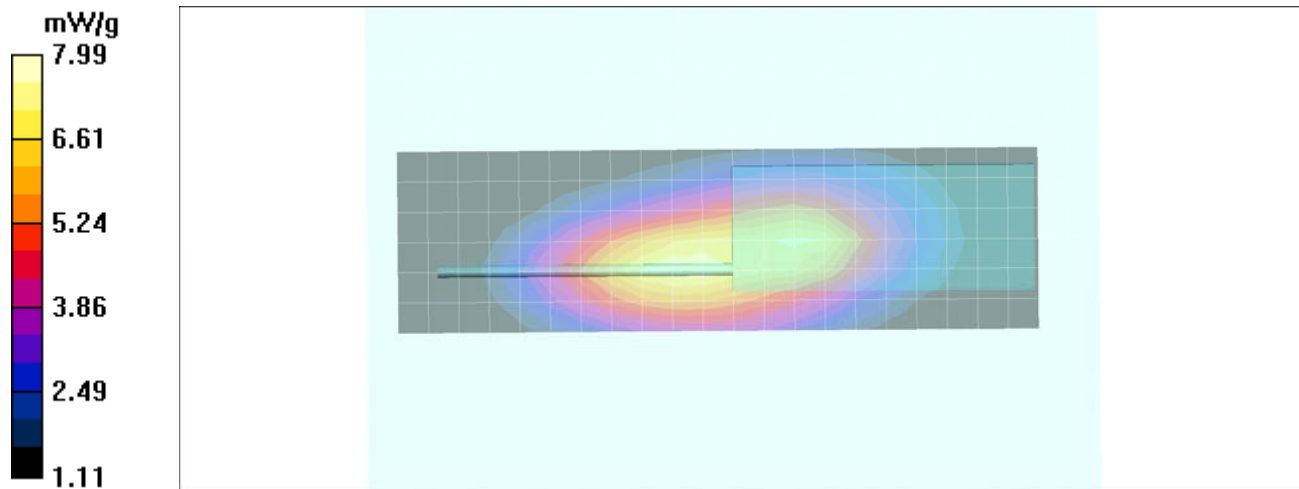
Reference Value = 84.0 V/m; Power Drift = 0.042 dB


Peak SAR (extrapolated) = 11.5 W/kg



SAR(1 g) = 7.62 mW/g; SAR(10 g) = 5.35 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 7.99 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 A6

Date Tested: 08/16/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 9.62 mW/g

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

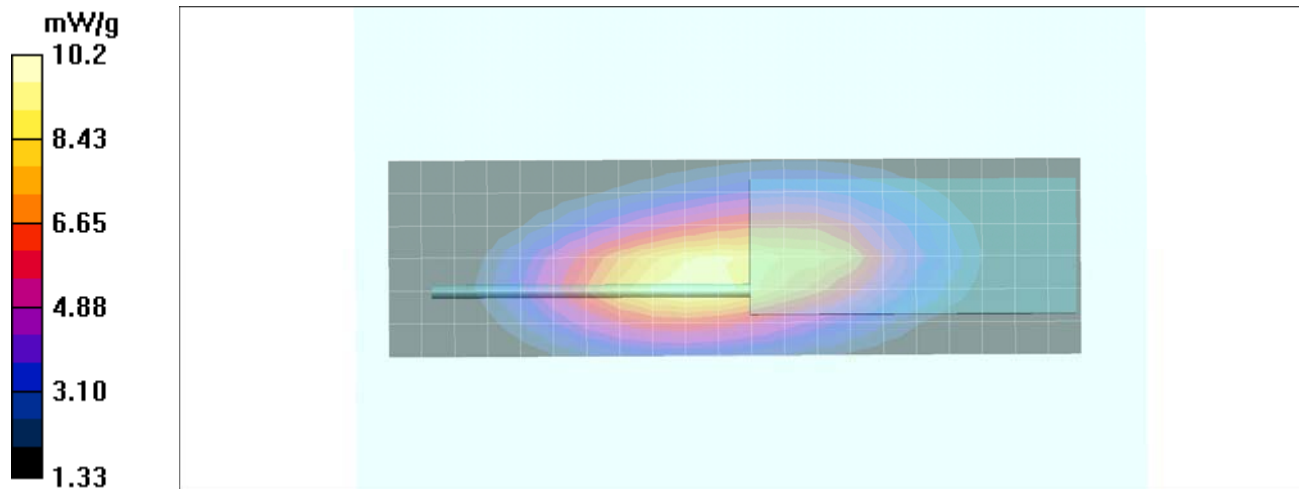
Reference Value = 95.1 V/m; Power Drift = -0.007 dB


Peak SAR (extrapolated) = 14.6 W/kg



SAR(1 g) = 9.70 mW/g; SAR(10 g) = 6.8 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 A7

Date Tested: 08/16/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 8.97 mW/g

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

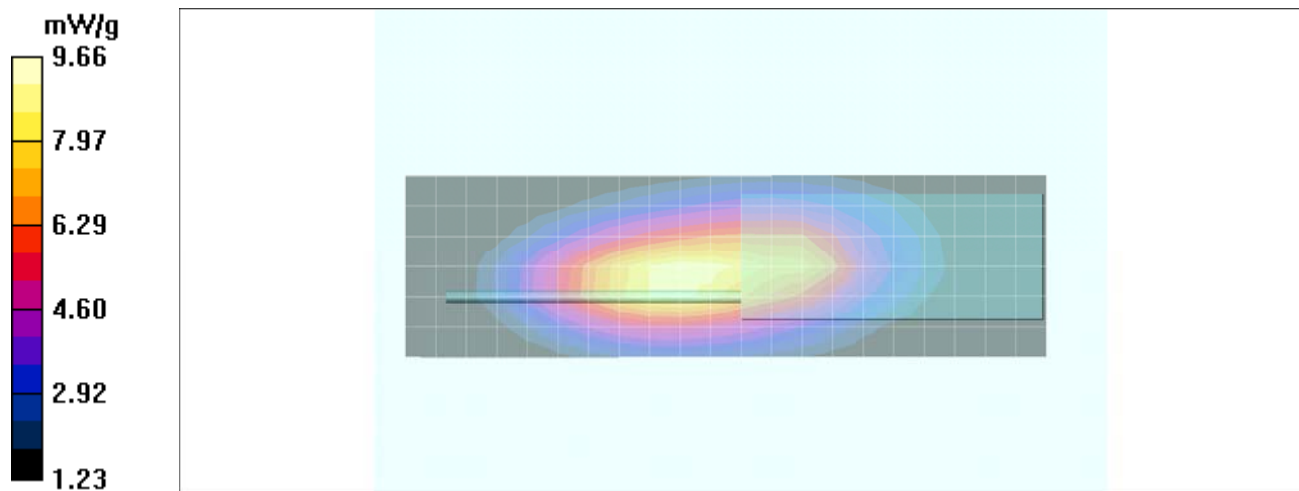
Reference Value = 94.0 V/m; Power Drift = 0.030 dB


Peak SAR (extrapolated) = 13.9 W/kg



SAR(1 g) = 9.20 mW/g; SAR(10 g) = 6.42 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.66 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 A8

Date Tested: 08/16/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 9.17 mW/g

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

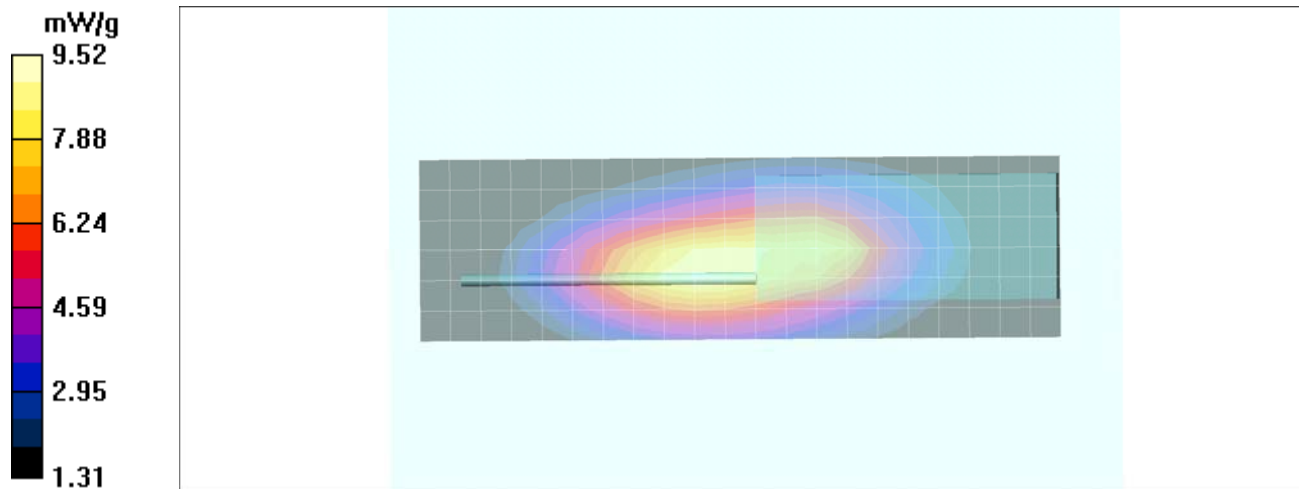
Reference Value = 92.8 V/m; Power Drift = -0.016 dB


Peak SAR (extrapolated) = 13.6 W/kg



SAR(1 g) = 9.08 mW/g; SAR(10 g) = 6.4 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.52 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 A9

Date Tested: 08/16/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 9.19 mW/g

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

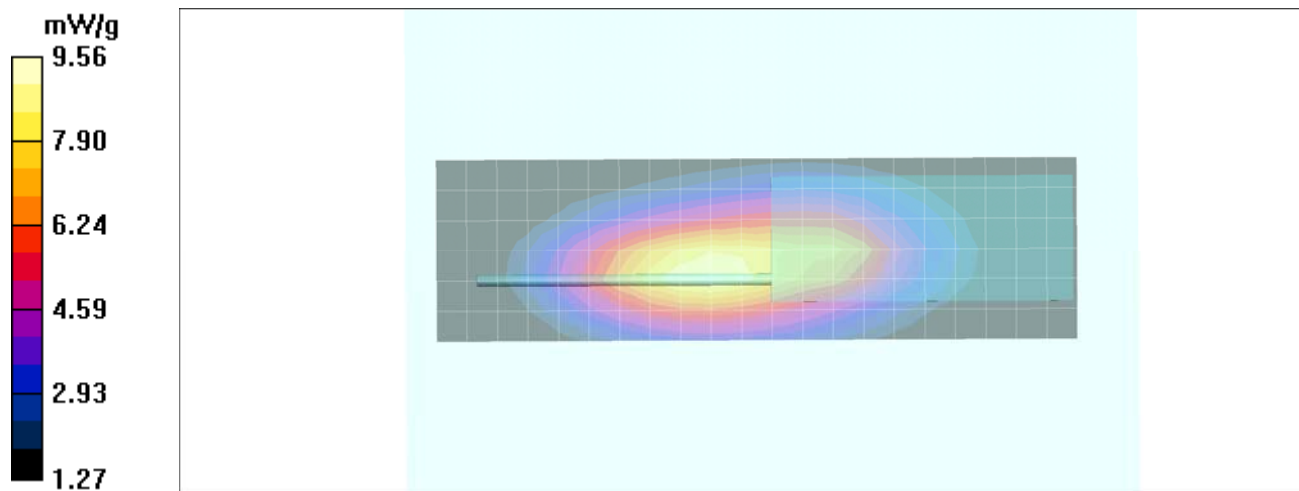
Reference Value = 90.0 V/m; Power Drift = 0.018 dB


Peak SAR (extrapolated) = 13.7 W/kg



SAR(1 g) = 9.07 mW/g; SAR(10 g) = 6.35 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.56 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 A10

Date Tested: 08/16/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 9.33 mW/g

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

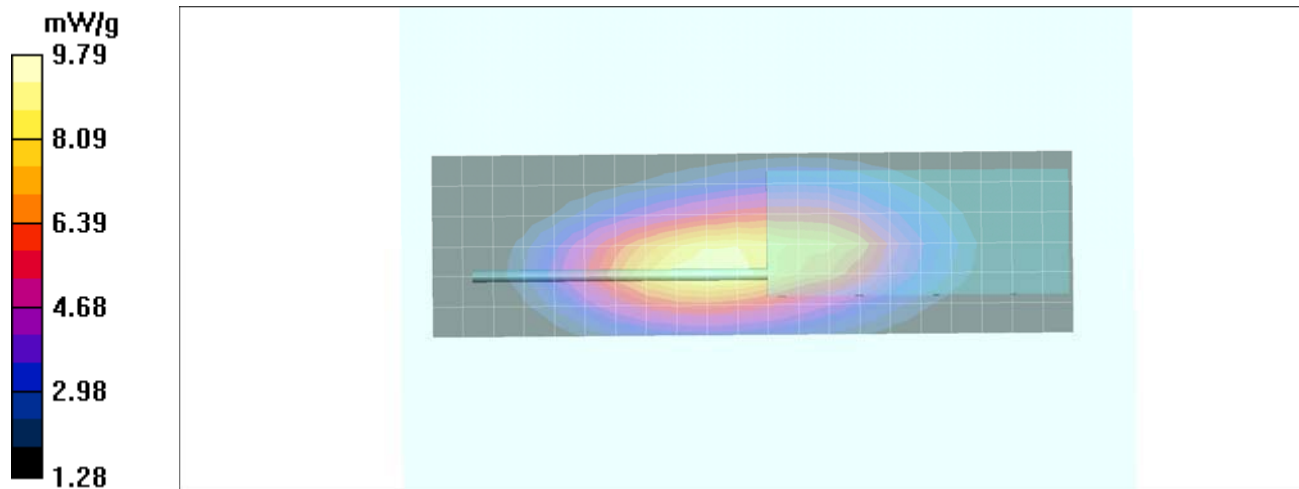
Reference Value = 91.4 V/m; Power Drift = 0.008 dB


Peak SAR (extrapolated) = 14.0 W/kg



SAR(1 g) = 9.30 mW/g; SAR(10 g) = 6.5 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.79 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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	<u>Test Report Issue Date</u> October 05, 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 A11

Date Tested: 08/16/2011

DUT: Harris XG-75; Type: UHF PTT Radio Transceiver; Serial: T2-UL-112

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 38%

Communication System: CW

Frequency: 455 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): $f = 455 \text{ MHz}$; $\sigma = 0.965 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

- 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) = 10.0 mW/g

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

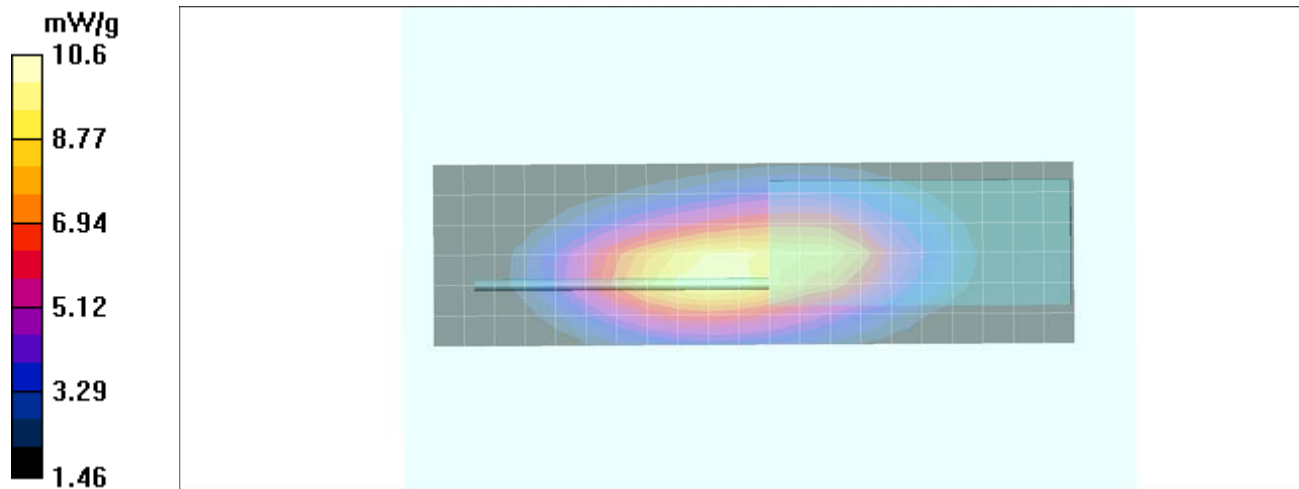
Reference Value = 97.0 V/m; Power Drift = 0.018 dB


Peak SAR (extrapolated) = 15.1 W/kg

SAR(1 g) = 10.1 mW/g; SAR(10 g) = 7.11 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0070-E	IC:	3636B-0070	
DUT Type:	Portable UHF-L PTT Radio Transceiver	Model:	XG-75 UHF-L	406.1 - 470.0 MHz		
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