



	<u>Date(s) of Evaluation</u> Aug. 25 - Sep. 21, 2011	<u>Test Report Serial No.</u> 060111AQZ-T1102-S90M	<u>Test Report Revision No.</u> Rev. 1.1 (2nd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

APPENDIX A - SAR MEASUREMENT PLOTS

Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Face SAR Plot F1

Date Tested: 09/21/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 775 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used: $f = 775 \text{ MHz}$; $\sigma = 0.85 \text{ mho/m}$; $\epsilon_r = 43.1$; $\rho = 1000 \text{ kg/m}^3$

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

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

Maximum value of SAR (measured) = 0.230 mW/g

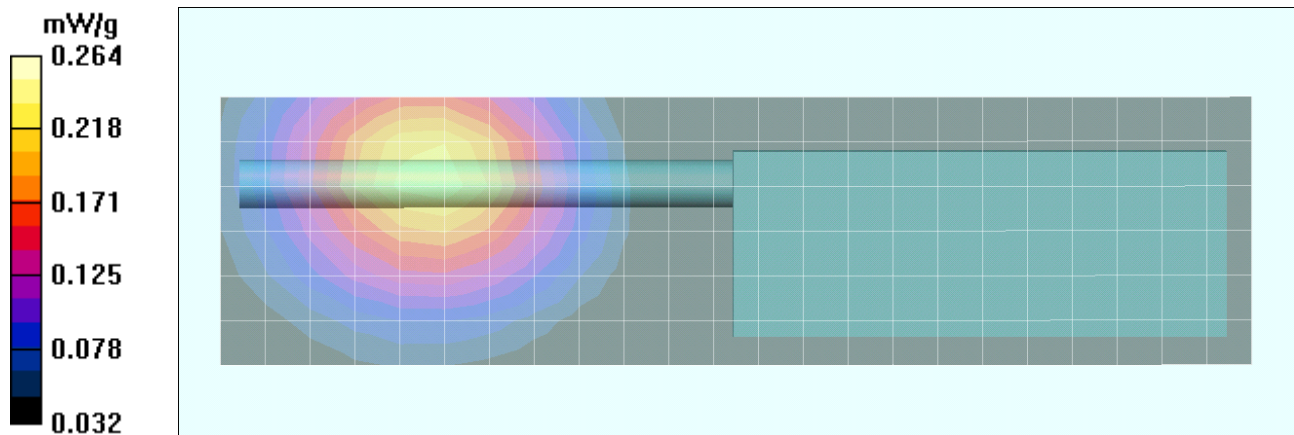
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 4.05 V/m; Power Drift = -0.624 dB



Peak SAR (extrapolated) = 0.309 W/kg

SAR(1 g) = 0.251 mW/g; SAR(10 g) = 0.186 mW/g

Maximum value of SAR (measured) = 0.264 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Face SAR Plot F2

Date Tested: 09/21/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 775 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used: $f = 775 \text{ MHz}$; $\sigma = 0.85 \text{ mho/m}$; $\epsilon_r = 43.1$; $\rho = 1000 \text{ kg/m}^3$

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

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

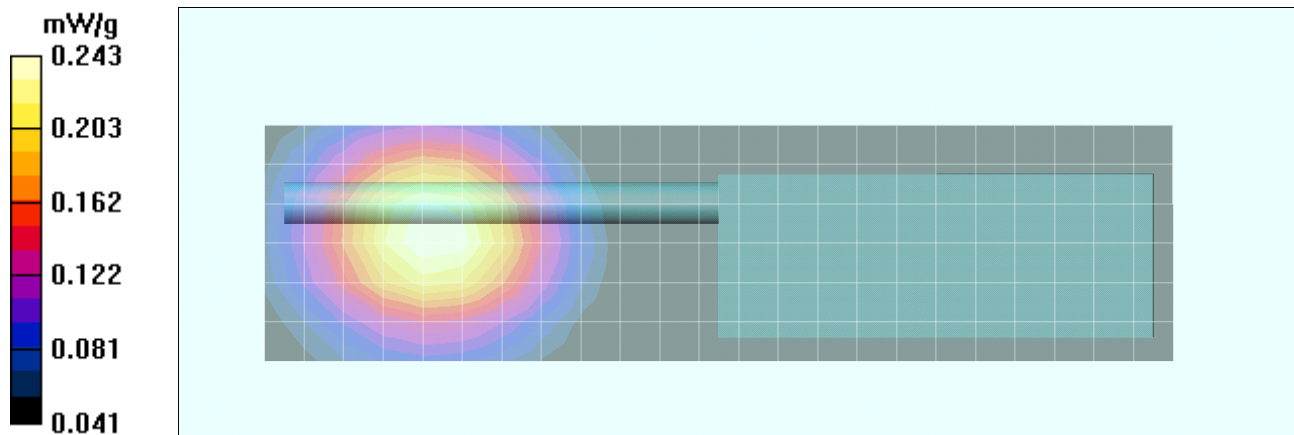
Maximum value of SAR (measured) = 0.243 mW/g


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



Reference Value = 3.86 V/m; Power Drift = -0.552 dB

Peak SAR (extrapolated) = 0.283 W/kg

SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.174 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Face SAR Plot F3

Date Tested: 09/21/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 775 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used: $f = 775 \text{ MHz}$; $\sigma = 0.85 \text{ mho/m}$; $\epsilon_r = 43.1$; $\rho = 1000 \text{ kg/m}^3$

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

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

Maximum value of SAR (measured) = 0.219 mW/g

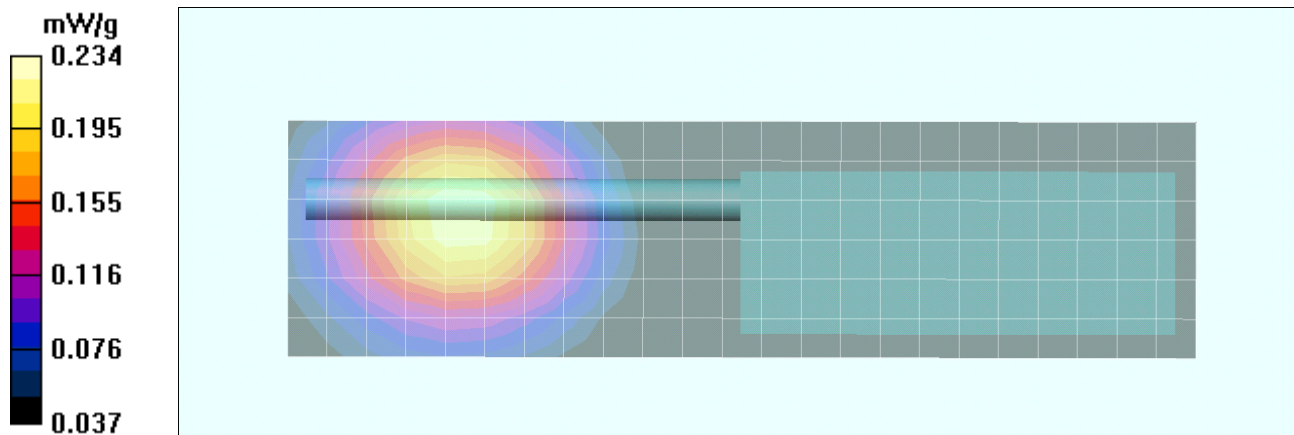
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 3.83 V/m; Power Drift = -0.731 dB



Peak SAR (extrapolated) = 0.274 W/kg

SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.169 mW/g.

Maximum value of SAR (measured) = 0.234 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Face SAR Plot F4

Date Tested: 09/21/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 775 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used: $f = 775 \text{ MHz}$; $\sigma = 0.85 \text{ mho/m}$; $\epsilon_r = 43.1$; $\rho = 1000 \text{ kg/m}^3$

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

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

Maximum value of SAR (measured) = 0.235 mW/g

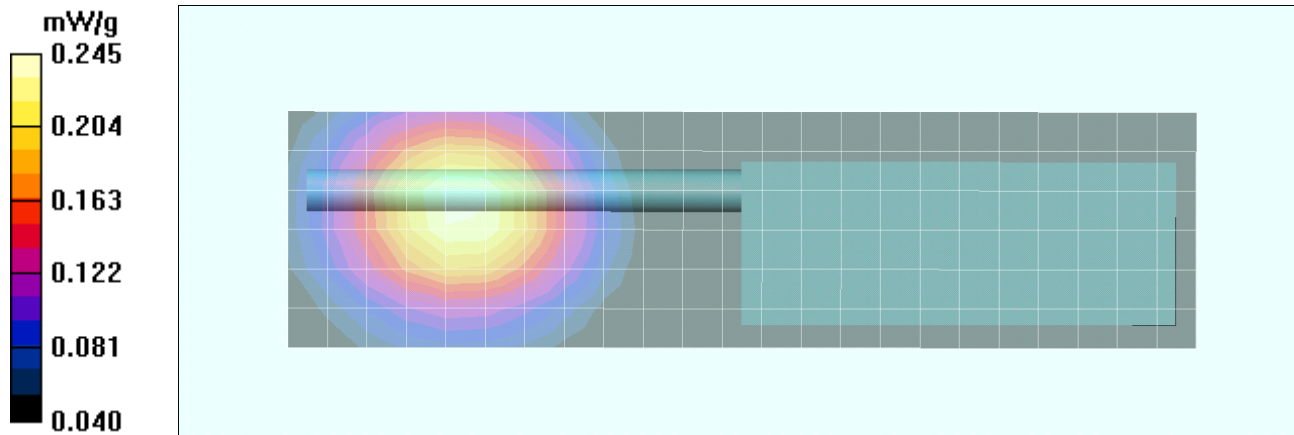
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 3.87 V/m; Power Drift = -0.649 dB



Peak SAR (extrapolated) = 0.285 W/kg

SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.176 mW/g

Maximum value of SAR (measured) = 0.245 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Face SAR Plot F5

Date Tested: 09/21/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 775 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used: $f = 775 \text{ MHz}$; $\sigma = 0.85 \text{ mho/m}$; $\epsilon_r = 43.1$; $\rho = 1000 \text{ kg/m}^3$

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

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

Maximum value of SAR (measured) = 0.252 mW/g

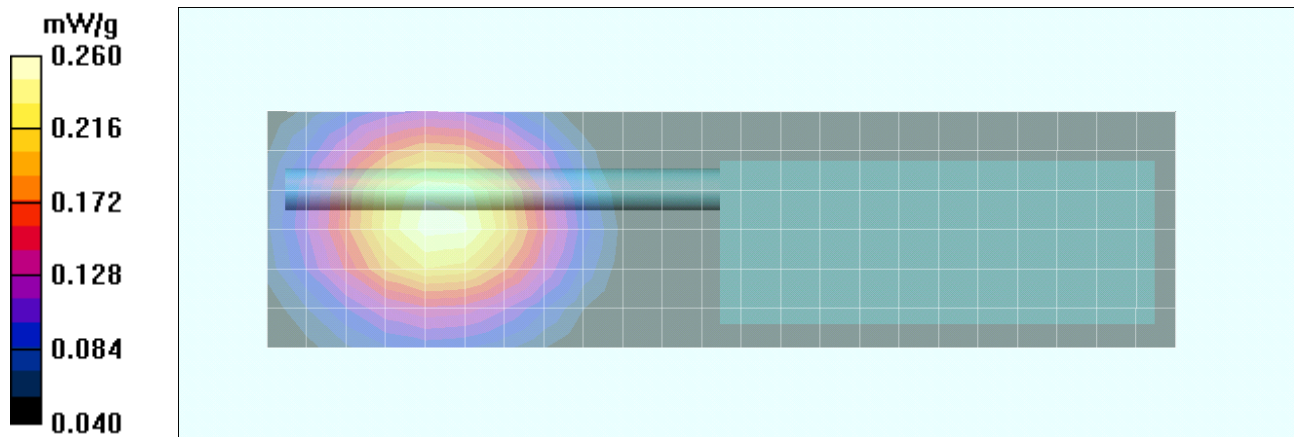
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 3.83 V/m; Power Drift = -0.657 dB



Peak SAR (extrapolated) = 0.305 W/kg

SAR(1 g) = 0.248 mW/g; SAR(10 g) = 0.187 mW/g

Maximum value of SAR (measured) = 0.260 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Face SAR Plot F6

Date Tested: 09/21/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 793 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 42.8$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.231 mW/g

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

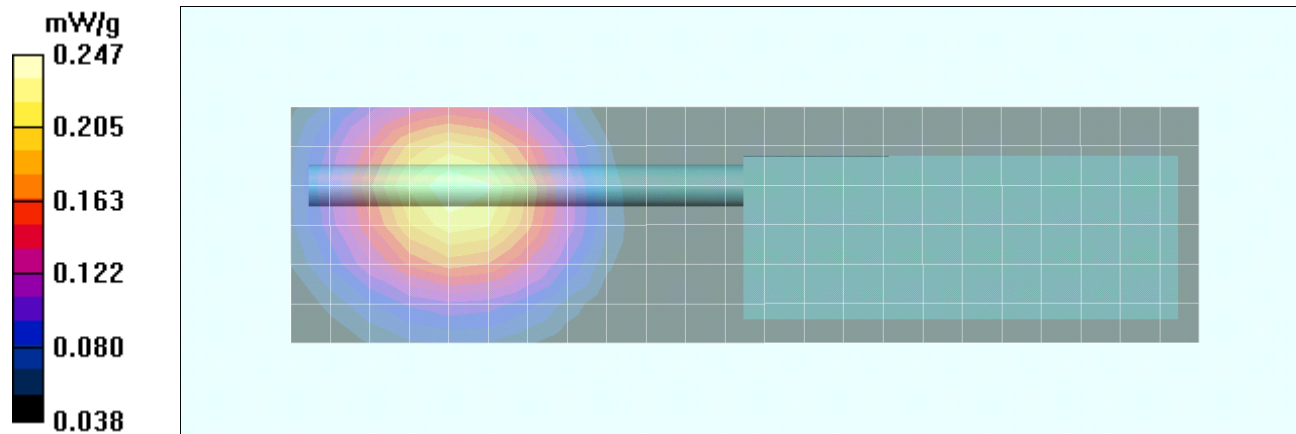
Reference Value = 3.55 V/m; Power Drift = -0.267 dB


Peak SAR (extrapolated) = 0.288 W/kg



SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.178 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.247 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Face SAR Plot F7

Date Tested: 09/21/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 793 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 42.8$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.248 mW/g

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

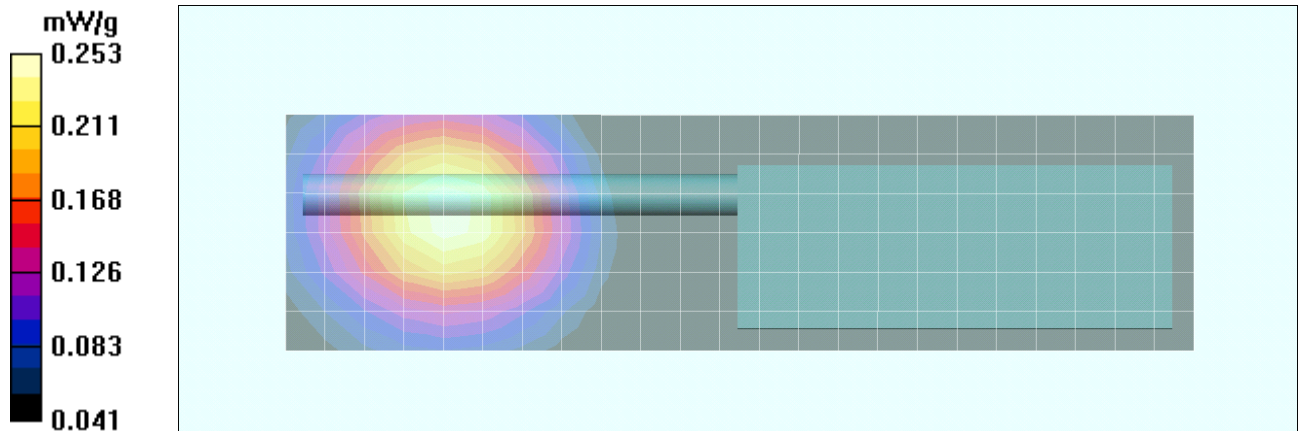
Reference Value = 3.30 V/m; Power Drift = -0.433 dB


Peak SAR (extrapolated) = 0.294 W/kg



SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.181 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.253 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Face SAR Plot F8

Date Tested: 09/21/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 793 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 42.8$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.237 mW/g

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

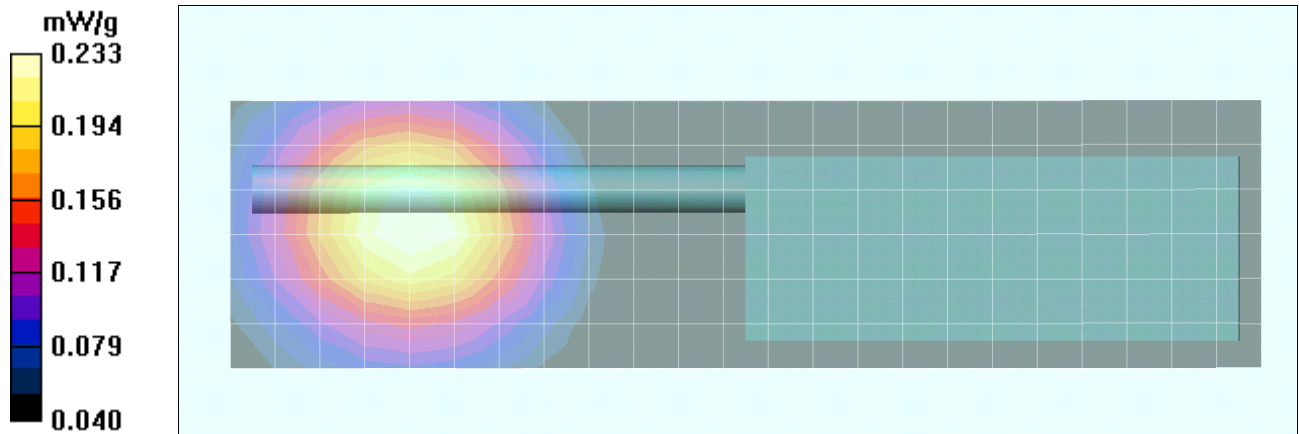
Reference Value = 3.38 V/m; Power Drift = -0.386 dB


Peak SAR (extrapolated) = 0.270 W/kg



SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.166 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.233 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Face SAR Plot F9

Date Tested: 09/21/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 793 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 42.8$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.241 mW/g

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

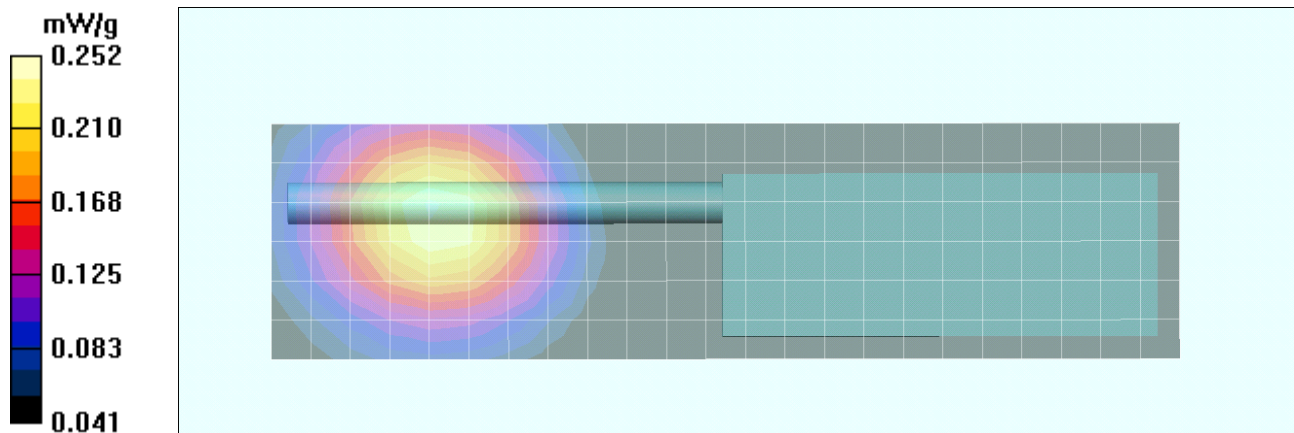
Reference Value = 3.31 V/m; Power Drift = -0.476 dB


Peak SAR (extrapolated) = 0.294 W/kg



SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.180 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.252 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Face SAR Plot F10

Date Tested: 09/21/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 793 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 42.8$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.253 mW/g

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

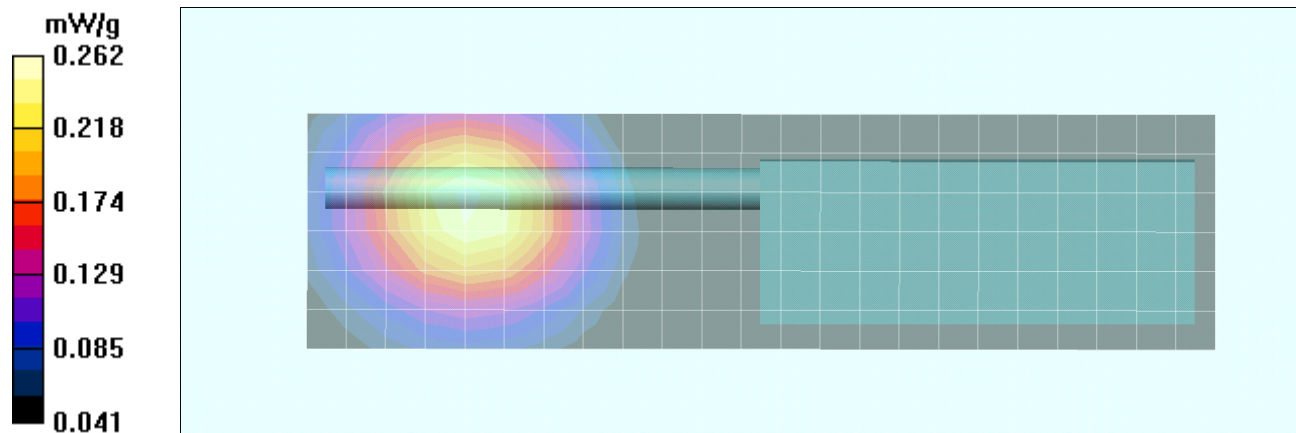
Reference Value = 3.46 V/m; Power Drift = -0.374 dB


Peak SAR (extrapolated) = 0.306 W/kg



SAR(1 g) = 0.248 mW/g; SAR(10 g) = 0.187 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.262 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F11

Date Tested: 09/21/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 42.6$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.301 mW/g

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

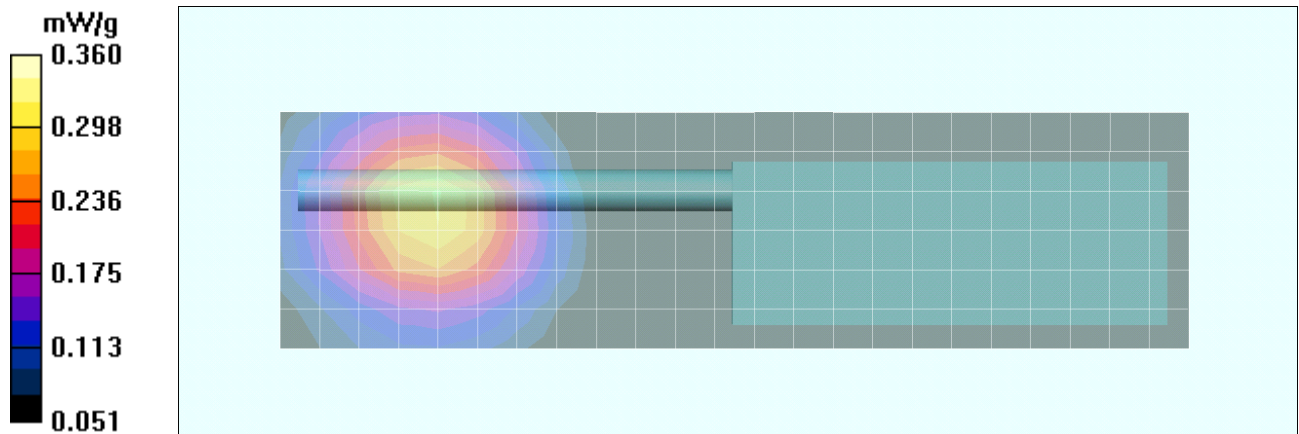
Reference Value = 6.11 V/m; Power Drift = -1.25 dB


Peak SAR (extrapolated) = 0.426 W/kg

SAR(1 g) = 0.342 mW/g; SAR(10 g) = 0.253 mW/g

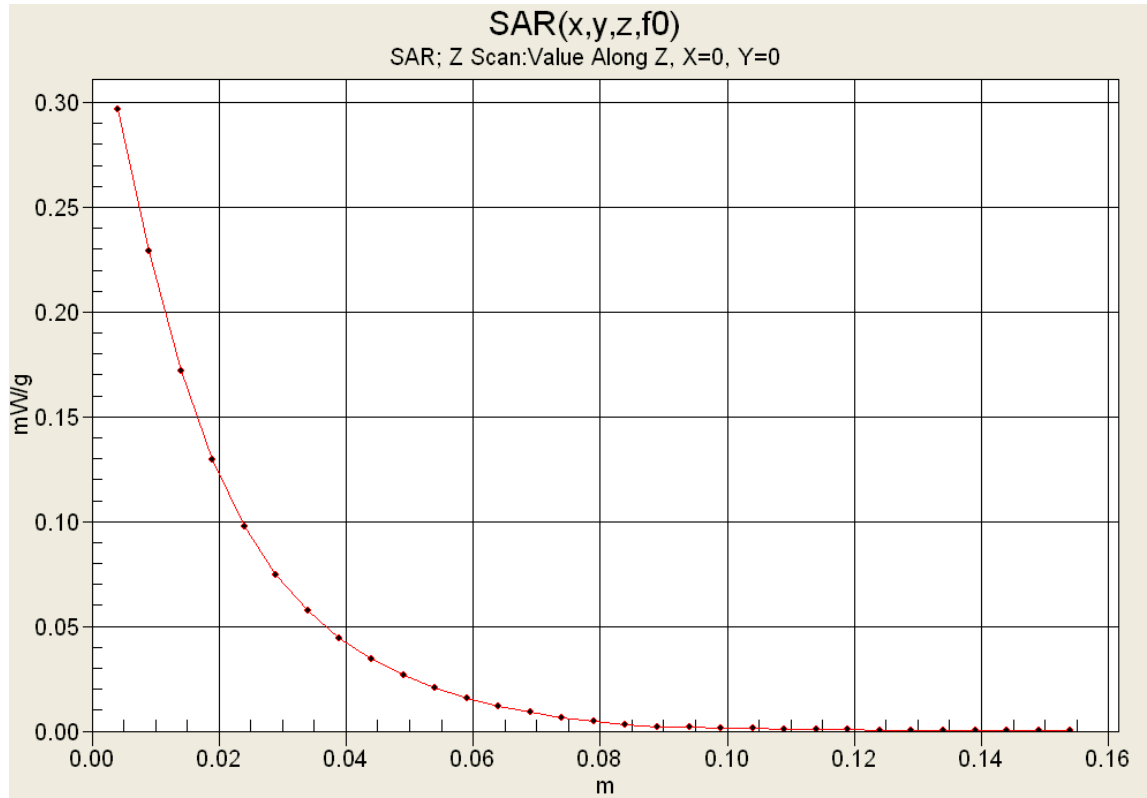
Info: Interpolated medium parameters used for SAR evaluation.



Maximum value of SAR (measured) = 0.360 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Z-Axis Scan



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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F12

Date Tested: 09/21/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 42.6$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.292 mW/g

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

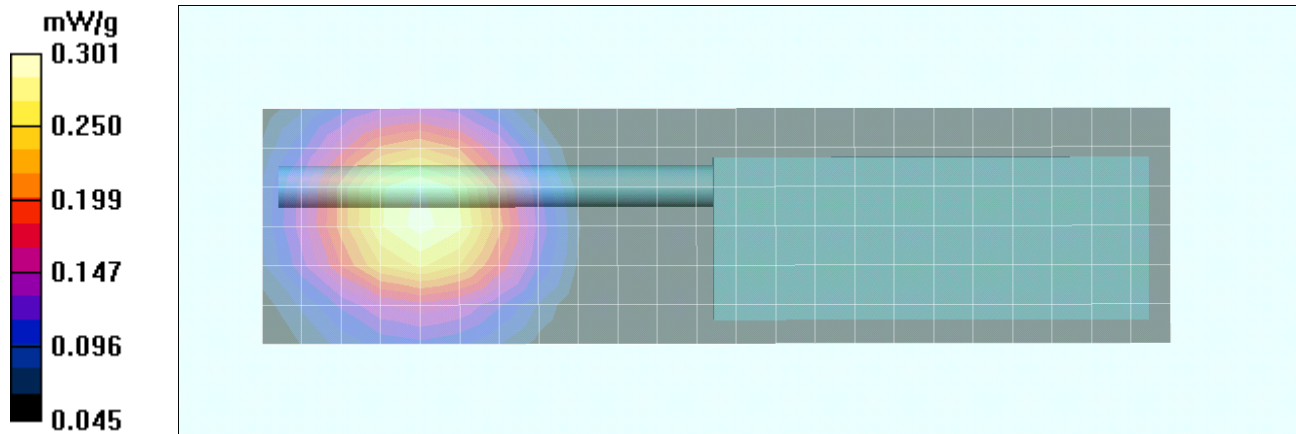
Reference Value = 6.30 V/m; Power Drift = -1.41 dB


Peak SAR (extrapolated) = 0.354 W/kg



SAR(1 g) = 0.286 mW/g; SAR(10 g) = 0.214 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.301 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F13

Date Tested: 09/21/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 42.6$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.269 mW/g

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

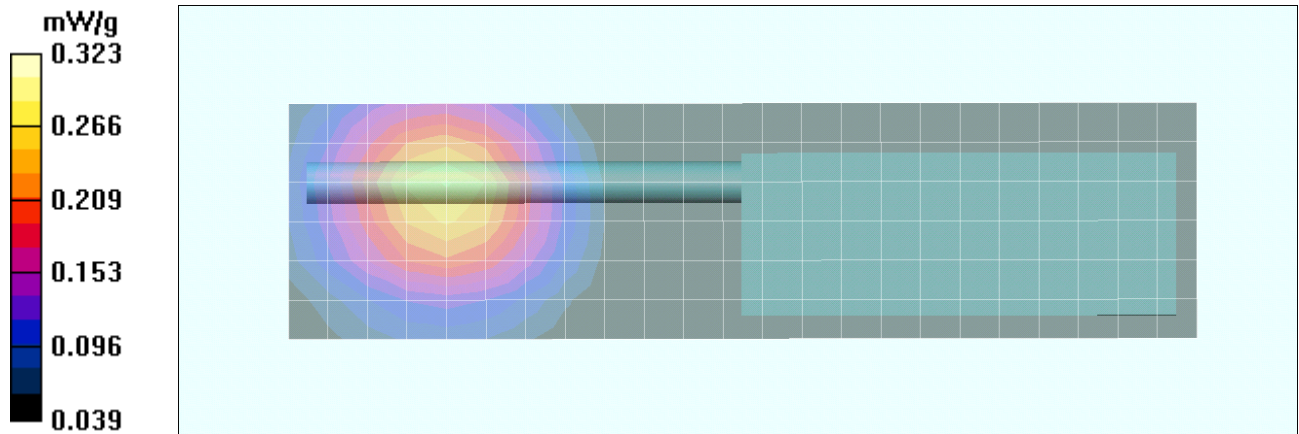
Reference Value = 6.44 V/m; Power Drift = -1.25 dB


Peak SAR (extrapolated) = 0.380 W/kg



SAR(1 g) = 0.301 mW/g; SAR(10 g) = 0.221 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.323 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Face SAR Plot F14

Date Tested: 09/21/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 42.6$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.328 mW/g

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

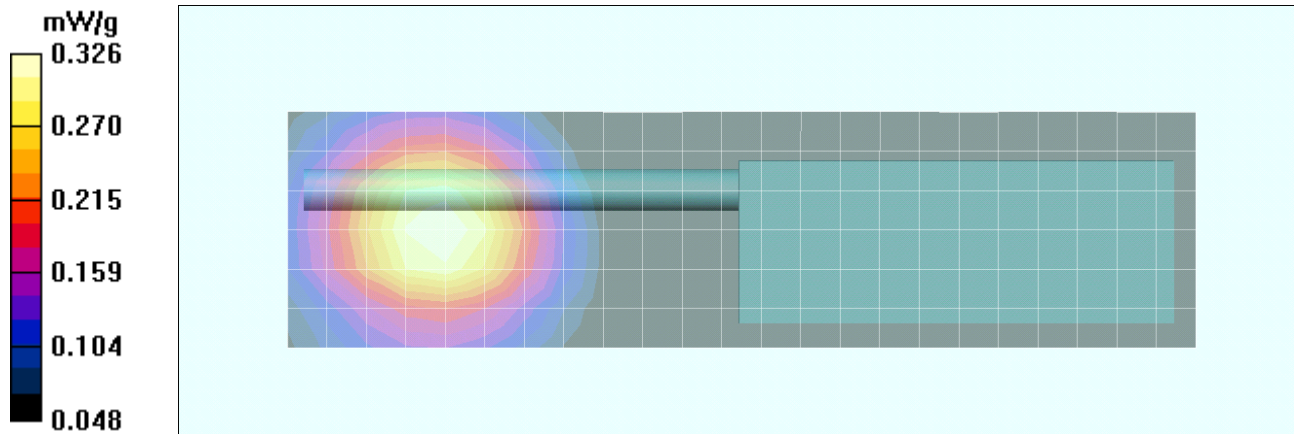
Reference Value = 6.10 V/m; Power Drift = -1.48 dB


Peak SAR (extrapolated) = 0.384 W/kg



SAR(1 g) = 0.310 mW/g; SAR(10 g) = 0.228 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.326 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F15

Date Tested: 09/21/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 42.6$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.254 mW/g

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

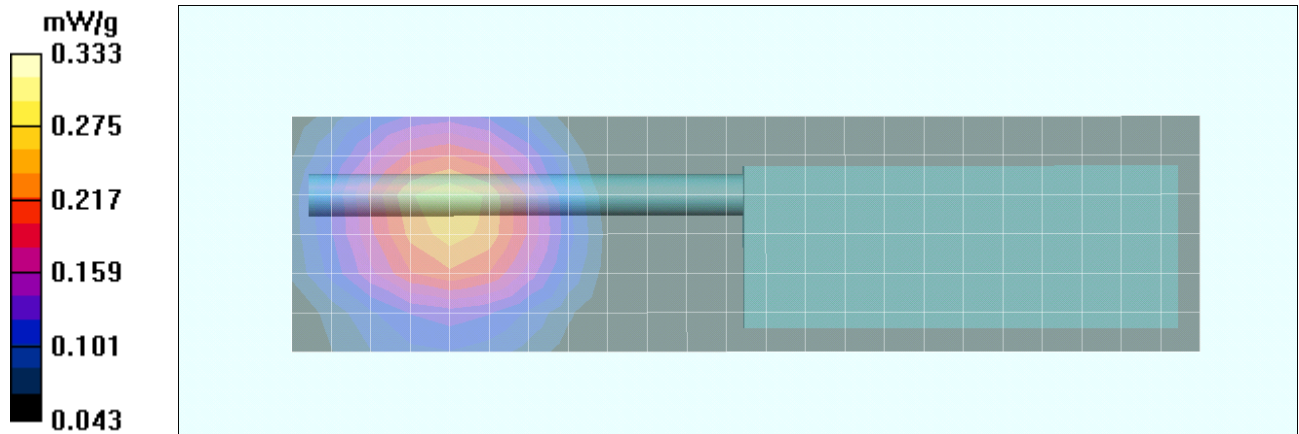
Reference Value = 5.92 V/m; Power Drift = -2.10 dB


Peak SAR (extrapolated) = 0.390 W/kg



SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.223 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.333 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F16

Date Tested: 09/20/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 42$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.043 mW/g

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

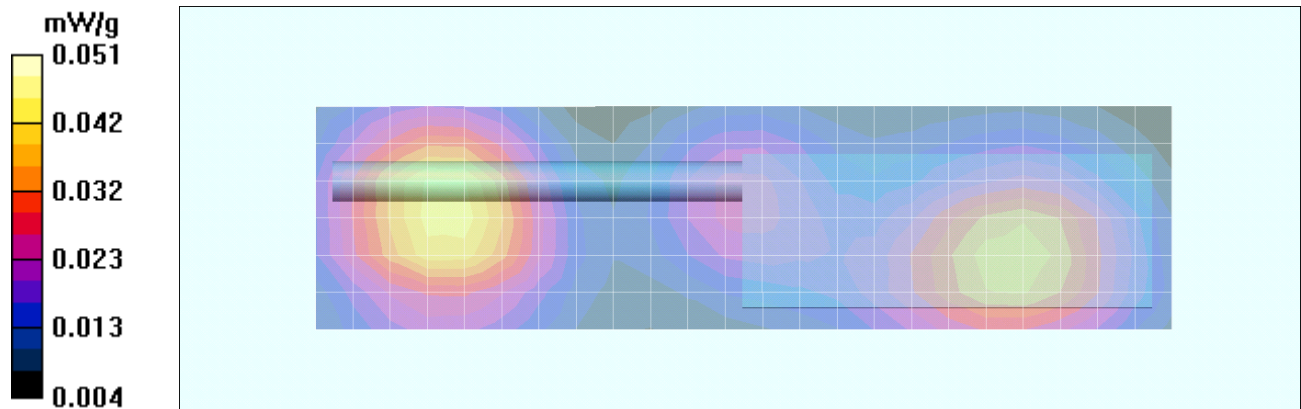
Reference Value = 6.06 V/m; Power Drift = -3.04 dB


Peak SAR (extrapolated) = 0.061 W/kg



SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.029 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.051 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F17

Date Tested: 09/20/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 42$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.050 mW/g

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

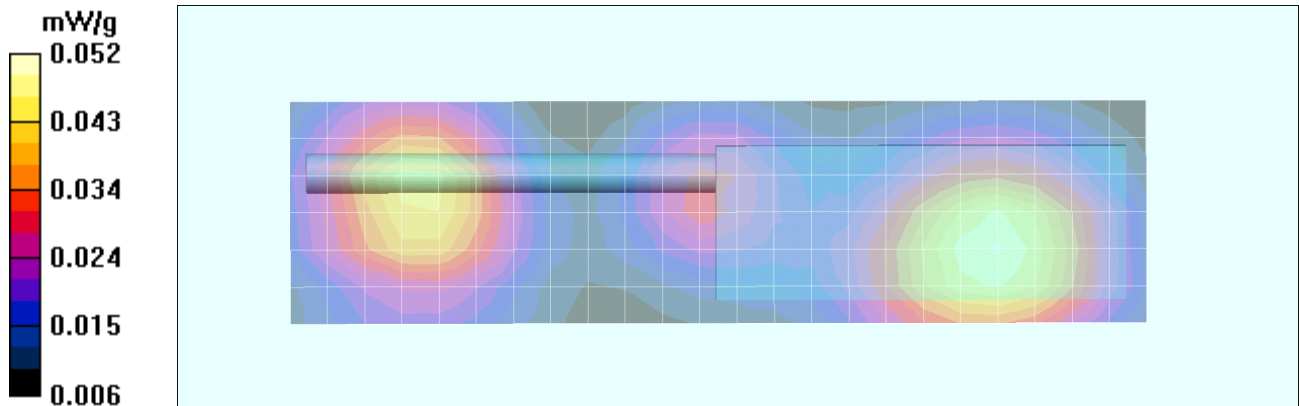
Reference Value = 7.10 V/m; Power Drift = -2.94 dB


Peak SAR (extrapolated) = 0.062 W/kg



SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.032 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.052 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F18

Date Tested: 09/20/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 42$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.041 mW/g

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

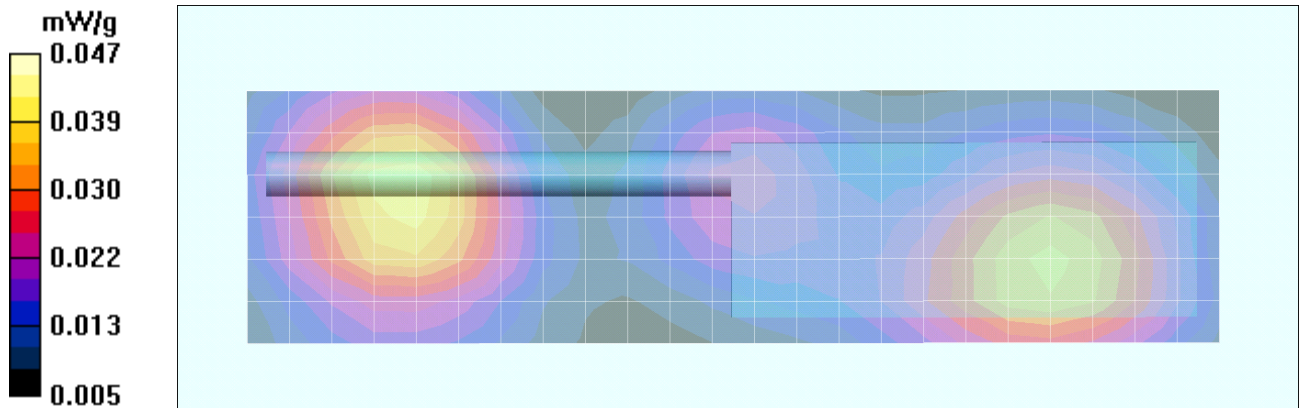
Reference Value = 5.72 V/m; Power Drift = -2.07 dB


Peak SAR (extrapolated) = 0.056 W/kg



SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.031 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.047 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F19

Date Tested: 09/20/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 29%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 42$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.050 mW/g

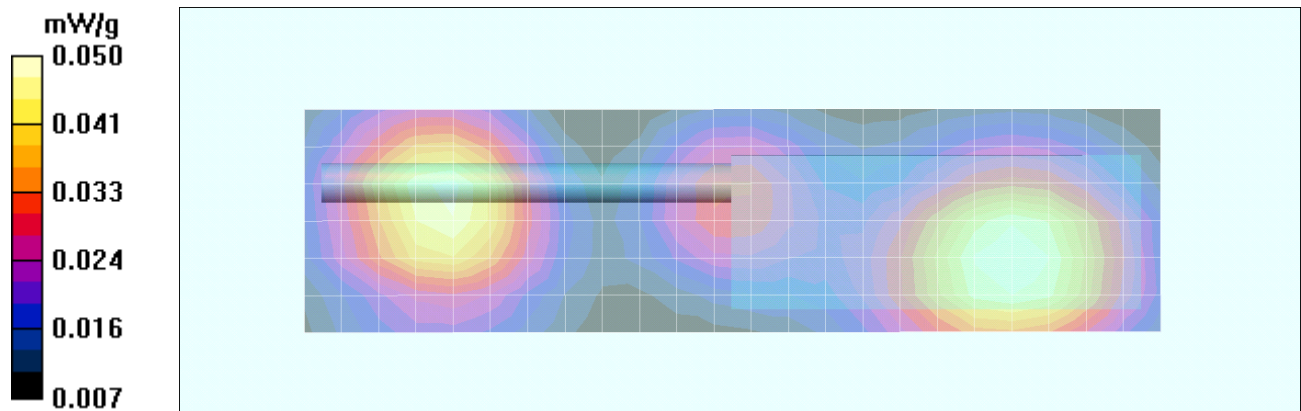
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 7.09 V/m; Power Drift = -2.26 dB

Peak SAR (extrapolated) = 0.058 W/kg

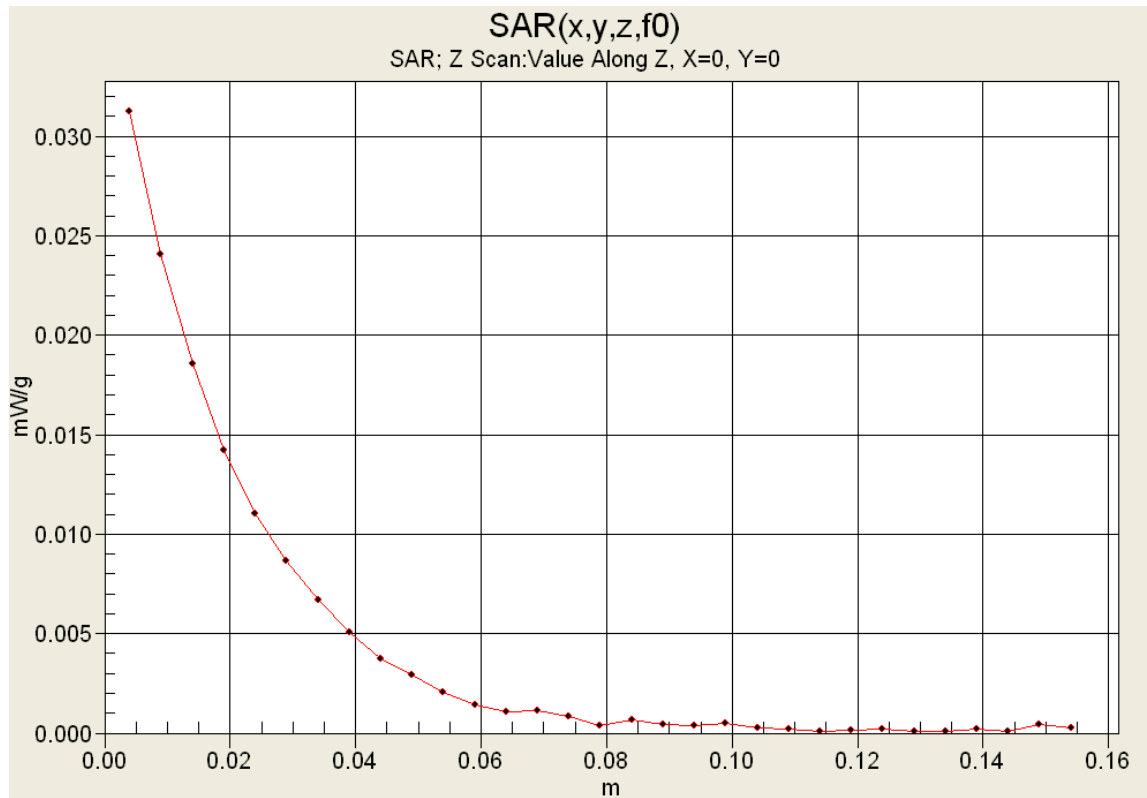
SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.035 mW/g



Info: Interpolated medium parameters used for SAR evaluation.



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Z-Axis Scan



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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F20

Date Tested: 09/21/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 31%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.944 \text{ mho/m}$; $\epsilon_r = 41.7$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.047 mW/g

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

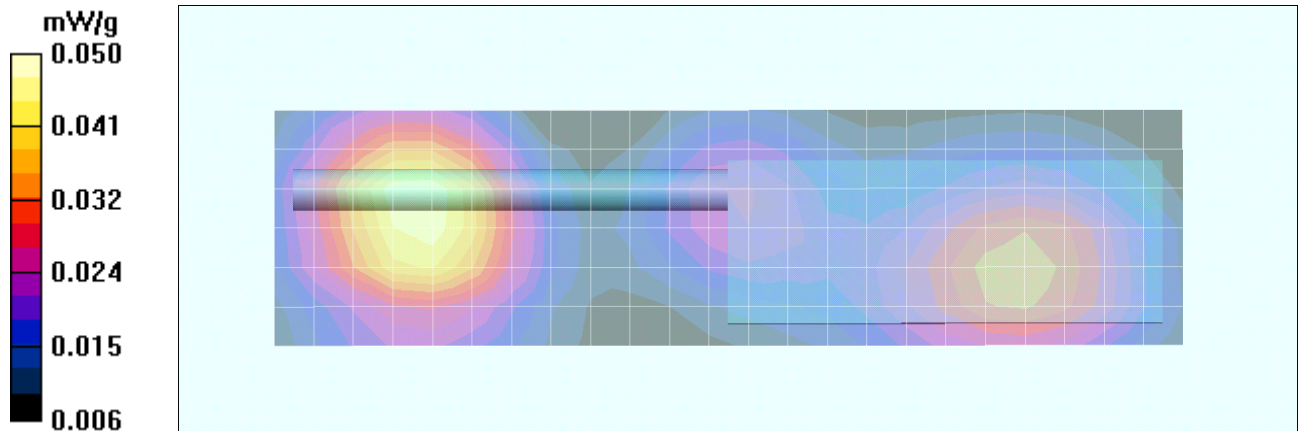
Reference Value = 5.68 V/m; Power Drift = -2.14 dB


Peak SAR (extrapolated) = 0.060 W/kg



SAR(1 g) = 0.045 mW/g; SAR(10 g) = 0.032 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.050 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B1

Date Tested: 08/31/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 21.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 775 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used: $f = 775 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 56.6$; $\rho = 1000 \text{ kg/m}^3$

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

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

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

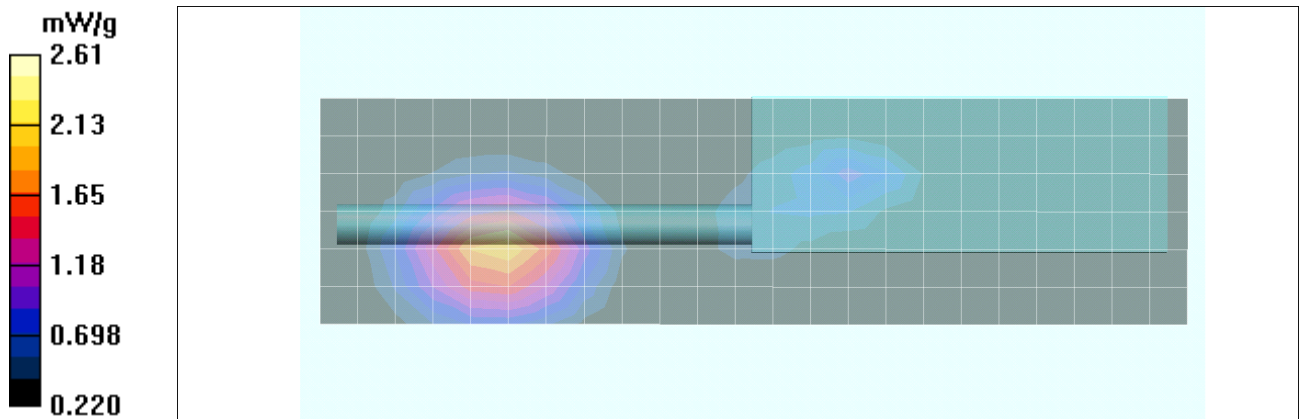
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$


Reference Value = 20.6 V/m; Power Drift = -0.475 dB



Peak SAR (extrapolated) = 3.14 W/kg

SAR(1 g) = 2.45 mW/g; SAR(10 g) = 1.64 mW/g

Maximum value of SAR (measured) = 2.61 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B2

Date Tested: 08/31/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 24C; Fluid Temp: 21.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 775 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used: $f = 775 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 56.6$; $\rho = 1000 \text{ kg/m}^3$

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

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

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

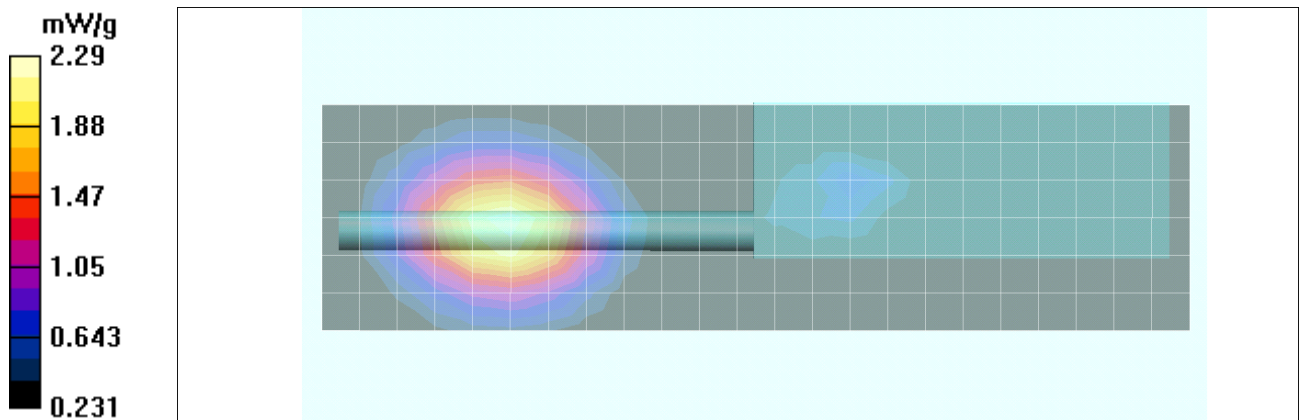
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$


Reference Value = 17.1 V/m; Power Drift = -0.713 dB



Peak SAR (extrapolated) = 2.71 W/kg

SAR(1 g) = 2.13 mW/g; SAR(10 g) = 1.53 mW/g

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



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B3

Date Tested: 08/31/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 24C; Fluid Temp: 21.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 775 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used: $f = 775 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 56.6$; $\rho = 1000 \text{ kg/m}^3$

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

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

Maximum value of SAR (measured) = 2.53 mW/g

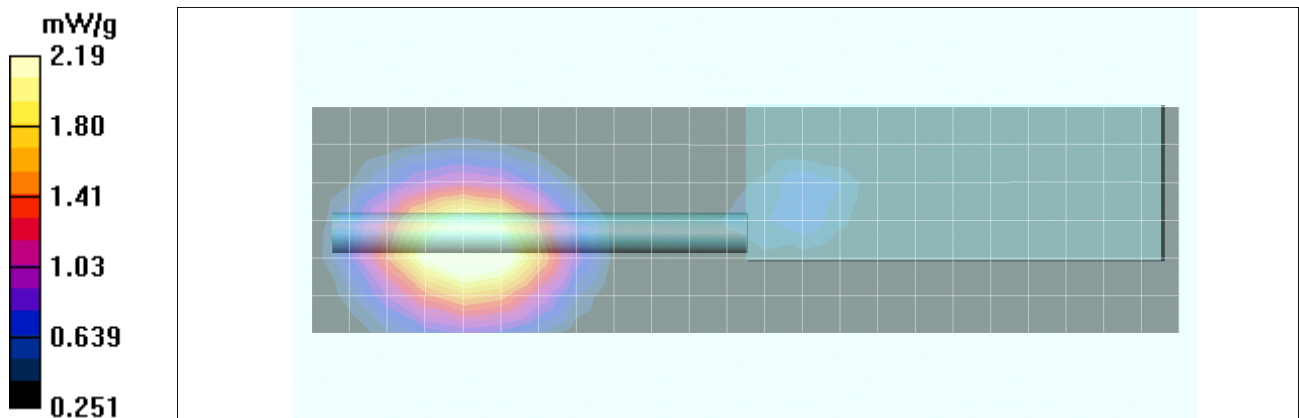
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$


Reference Value = 22.1 V/m; Power Drift = -0.464 dB



Peak SAR (extrapolated) = 2.60 W/kg

SAR(1 g) = 2.06 mW/g; SAR(10 g) = 1.44 mW/g

Maximum value of SAR (measured) = 2.19 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Body SAR Plot B4

Date Tested: 08/31/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 24C; Fluid Temp: 21.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 775 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used: $f = 775 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 56.6$; $\rho = 1000 \text{ kg/m}^3$

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

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

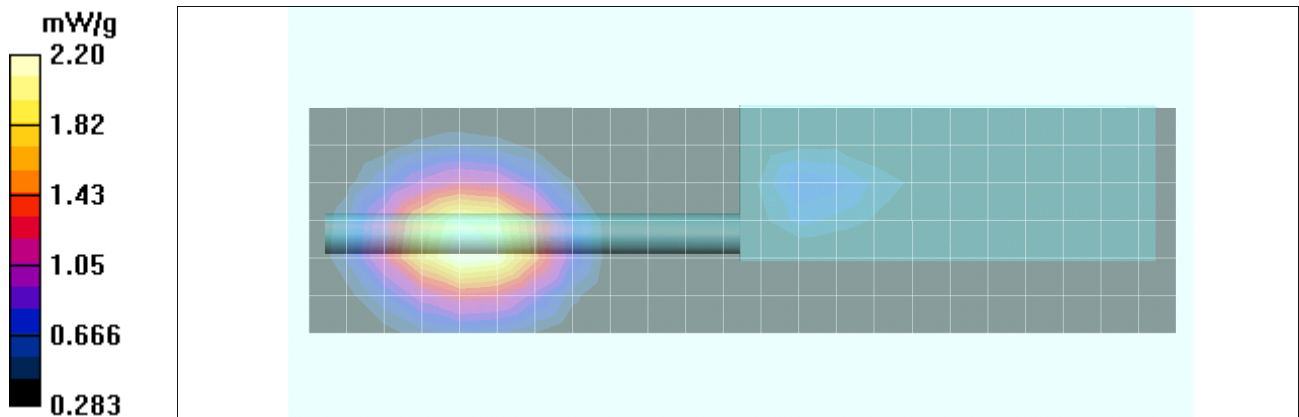
Maximum value of SAR (measured) = 2.20 mW/g


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



Reference Value = 18.7 V/m; Power Drift = -0.259 dB

Peak SAR (extrapolated) = 2.60 W/kg

SAR(1 g) = 2.06 mW/g; SAR(10 g) = 1.5 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Body SAR Plot B5

Date Tested: 08/31/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 24C; Fluid Temp: 21.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 775 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used: $f = 775 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 56.6$; $\rho = 1000 \text{ kg/m}^3$

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

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

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

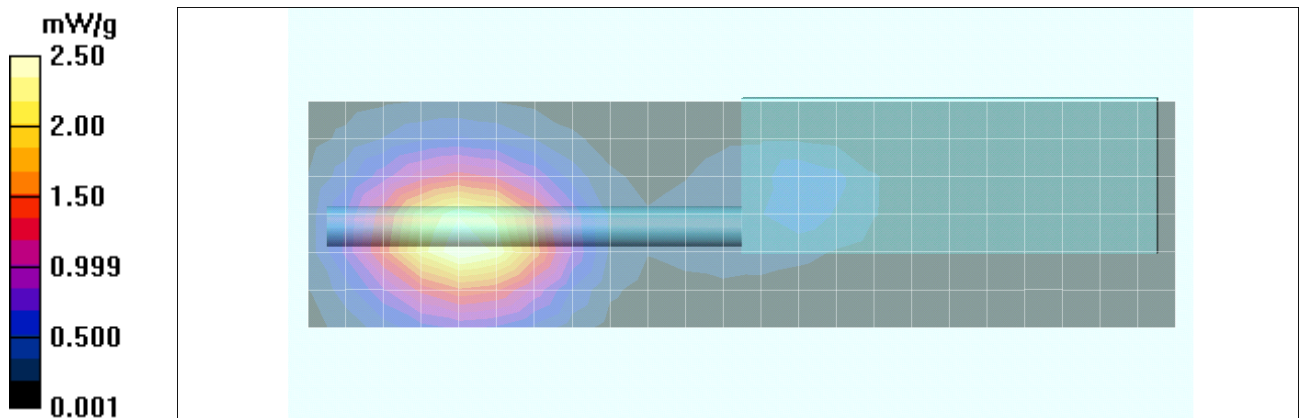
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$


Reference Value = 20.7 V/m; Power Drift = -0.294 dB



Peak SAR (extrapolated) = 2.74 W/kg

SAR(1 g) = 2.17 mW/g; SAR(10 g) = 1.57 mW/g

Maximum value of SAR (measured) = 2.31 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Body SAR Plot B6

Date Tested: 08/29/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 24C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 793 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.928 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.06 mW/g

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

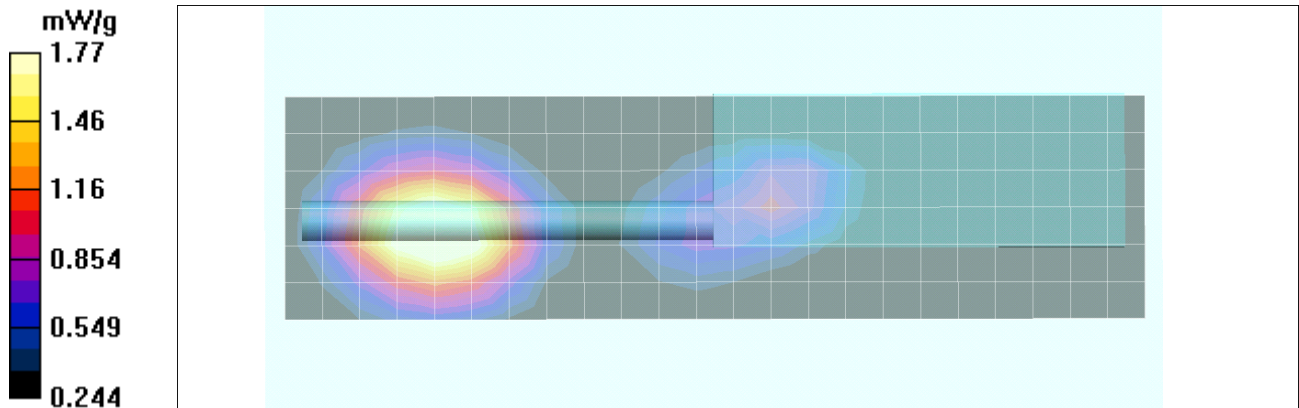
Reference Value = 24.2 V/m; Power Drift = -0.174 dB


Peak SAR (extrapolated) = 2.11 W/kg



SAR(1 g) = 1.67 mW/g; SAR(10 g) = 1.21 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.77 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Body SAR Plot B7

Date Tested: 08/29/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 24C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 793 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.928 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

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

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

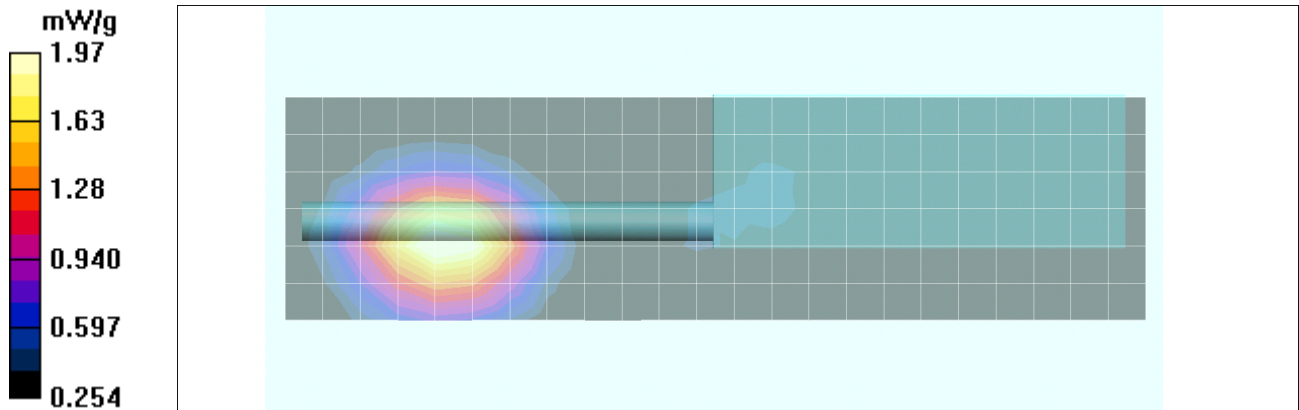
Reference Value = 17.1 V/m; Power Drift = -0.059 dB


Peak SAR (extrapolated) = 2.34 W/kg



SAR(1 g) = 1.85 mW/g; SAR(10 g) = 1.33 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Body SAR Plot B8

Date Tested: 08/29/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 24C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 793 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.928 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.22 mW/g

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

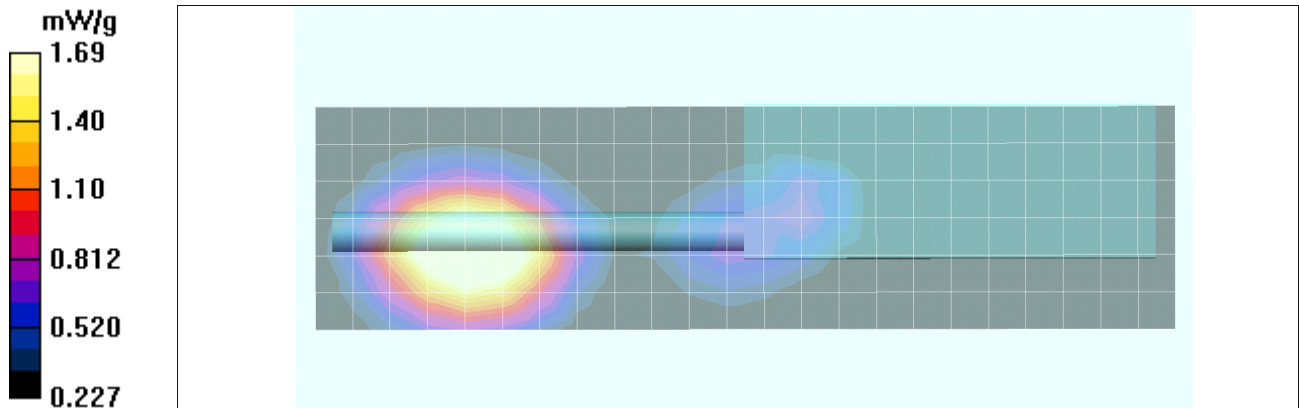
Reference Value = 22.3 V/m; Power Drift = -0.309 dB


Peak SAR (extrapolated) = 2.00 W/kg



SAR(1 g) = 1.59 mW/g; SAR(10 g) = 1.14 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B9

Date Tested: 08/29/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 24C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 793 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.928 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

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

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

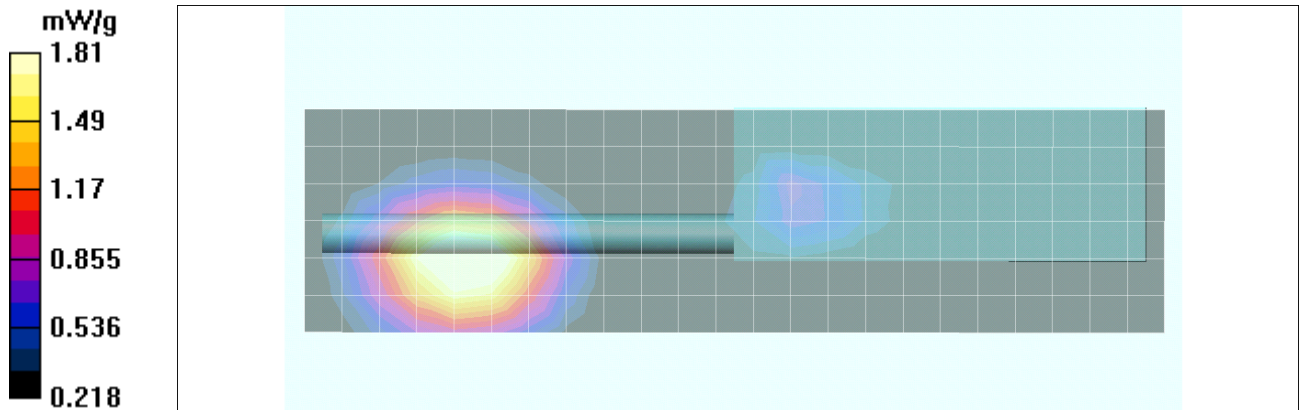
Reference Value = 15.5 V/m; Power Drift = 0.467 dB


Peak SAR (extrapolated) = 2.16 W/kg



SAR(1 g) = 1.7 mW/g; SAR(10 g) = 1.22 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.81 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B10

Date Tested: 08/29/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 24C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 793 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.928 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.87 mW/g

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

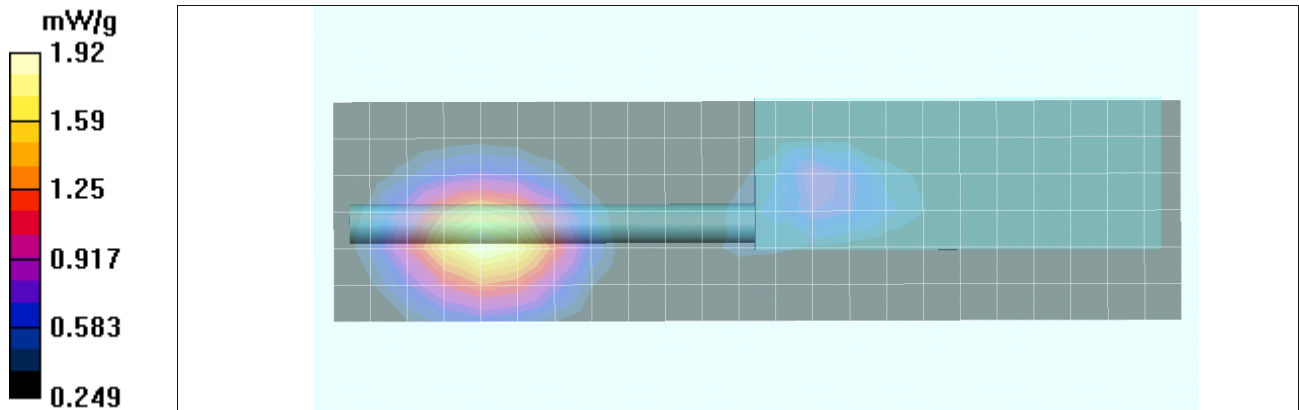
Reference Value = 20.4 V/m; Power Drift = -0.465 dB


Peak SAR (extrapolated) = 2.29 W/kg



SAR(1 g) = 1.81 mW/g; SAR(10 g) = 1.31 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.92 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Date(s) of Evaluation</u> Aug. 25 - Sep. 21, 2011	<u>Test Report Serial No.</u> 060111AQZ-T1102-S90M	<u>Test Report Revision No.</u> Rev. 1.1 (2nd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B11

Date Tested: 08/26/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.4C; Barometric Pressure: 101.1 kPa; Humidity: 37%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.939 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.31 mW/g

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

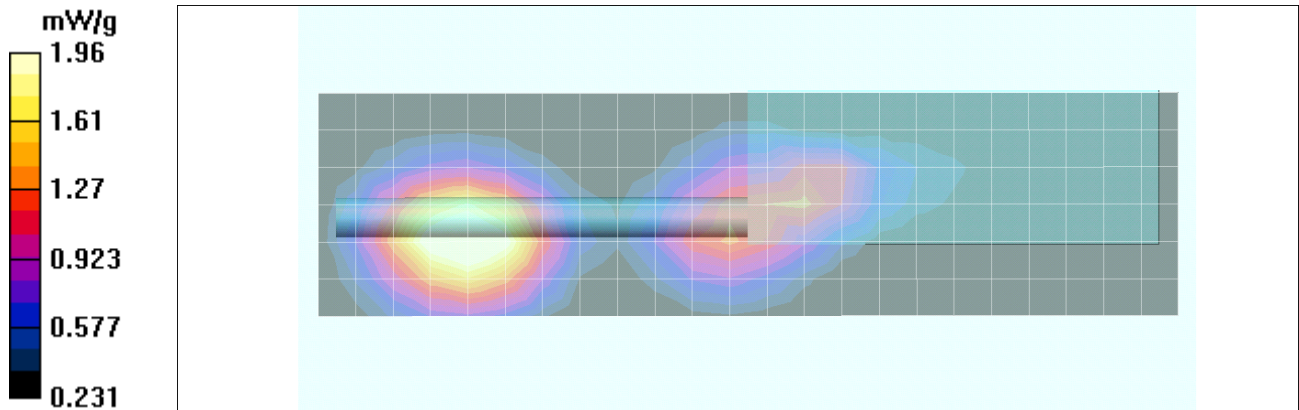
Reference Value = 37.4 V/m; Power Drift = -0.563 dB


Peak SAR (extrapolated) = 2.33 W/kg



SAR(1 g) = 1.84 mW/g; SAR(10 g) = 1.32 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Date(s) of Evaluation</u> Aug. 25 - Sep. 21, 2011	<u>Test Report Serial No.</u> 060111AQZ-T1102-S90M	<u>Test Report Revision No.</u> Rev. 1.1 (2nd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B12

Date Tested: 08/26/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.4C; Barometric Pressure: 101.1 kPa; Humidity: 37%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.939 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.22 mW/g

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

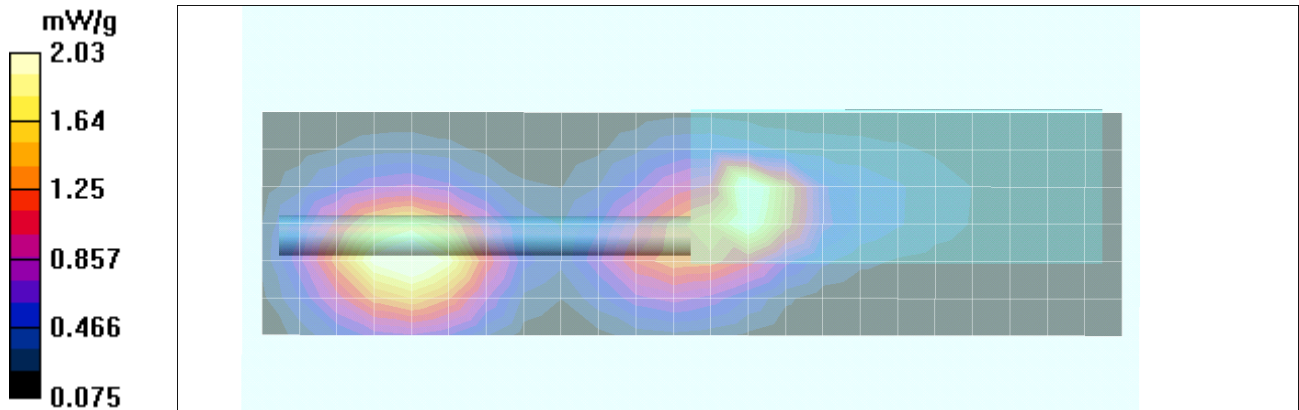
Reference Value = 35.9 V/m; Power Drift = -0.426 dB


Peak SAR (extrapolated) = 3.22 W/kg



SAR(1 g) = 1.86 mW/g; SAR(10 g) = 1.21 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.03 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B13

Date Tested: 08/26/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.4C; Barometric Pressure: 101.1 kPa; Humidity: 37%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.939 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.03 mW/g

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

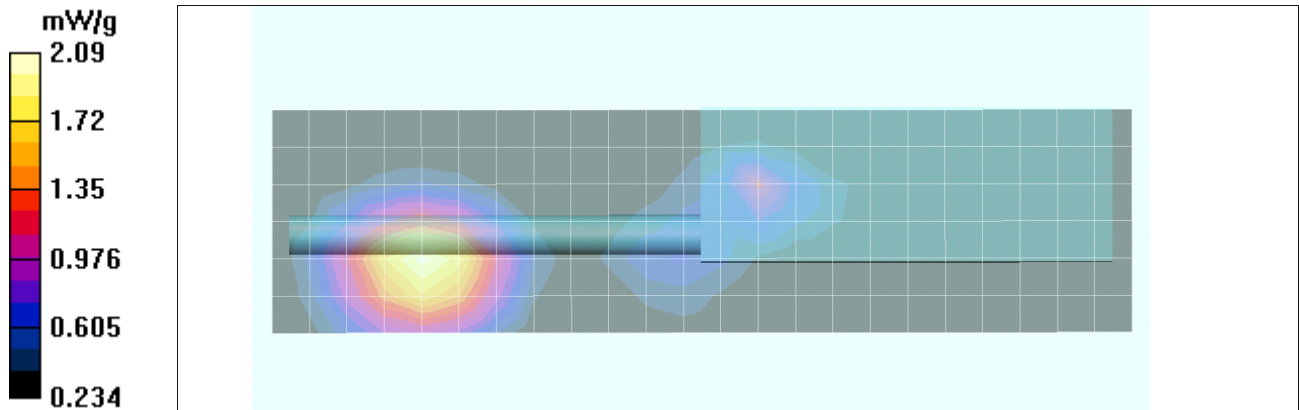
Reference Value = 35.4 V/m; Power Drift = -2.52 dB


Peak SAR (extrapolated) = 2.53 W/kg



SAR(1 g) = 1.97 mW/g; SAR(10 g) = 1.39 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B14

Date Tested: 08/26/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.4C; Barometric Pressure: 101.1 kPa; Humidity: 37%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.939 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.59 mW/g

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

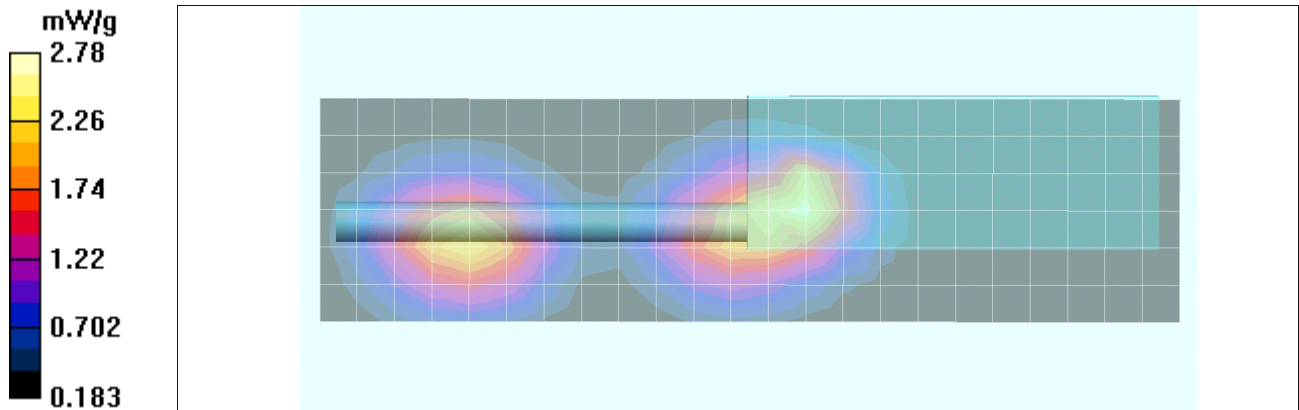
Reference Value = 35.4 V/m; Power Drift = -0.203 dB


Peak SAR (extrapolated) = 4.95 W/kg

SAR(1 g) = 2.61 mW/g; SAR(10 g) = 1.64 mW/g

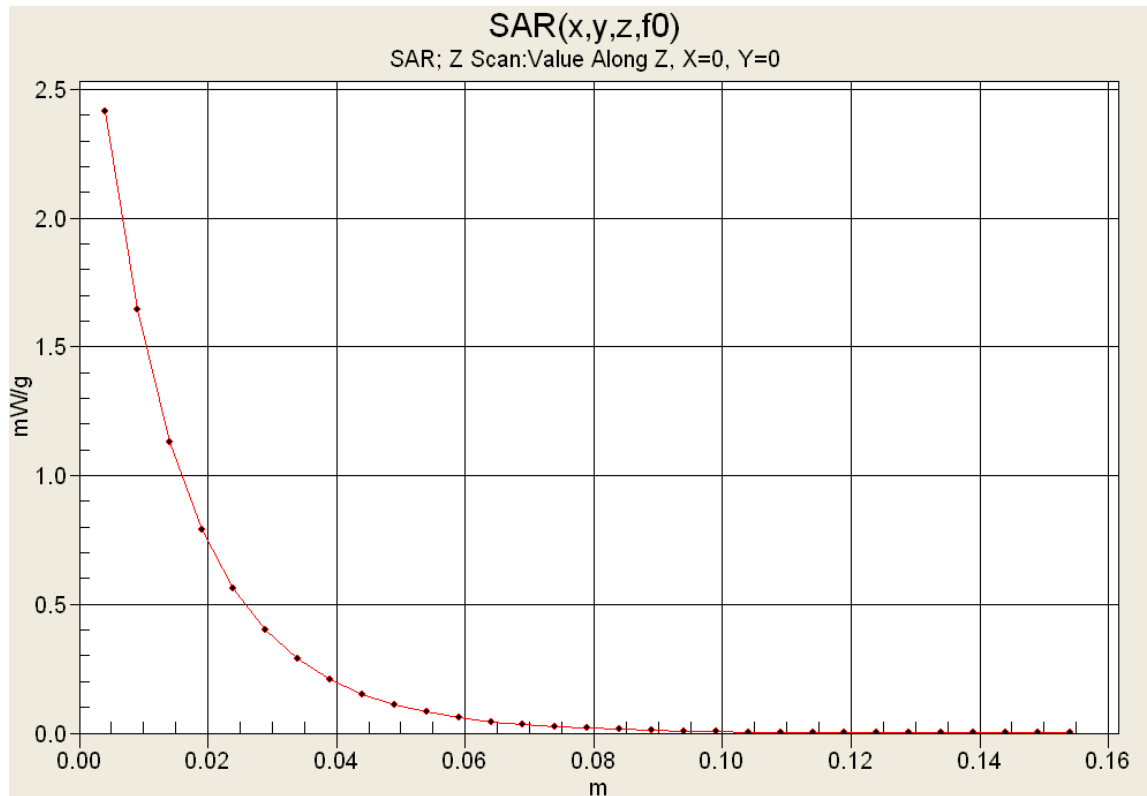
Info: Interpolated medium parameters used for SAR evaluation.



Maximum value of SAR (measured) = 2.78 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Z-axis Scan



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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B15

Date Tested: 08/26/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 22.4C; Barometric Pressure: 101.1 kPa; Humidity: 37%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.939 \text{ mho/m}$; $\epsilon_r = 53.8$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.16 mW/g

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

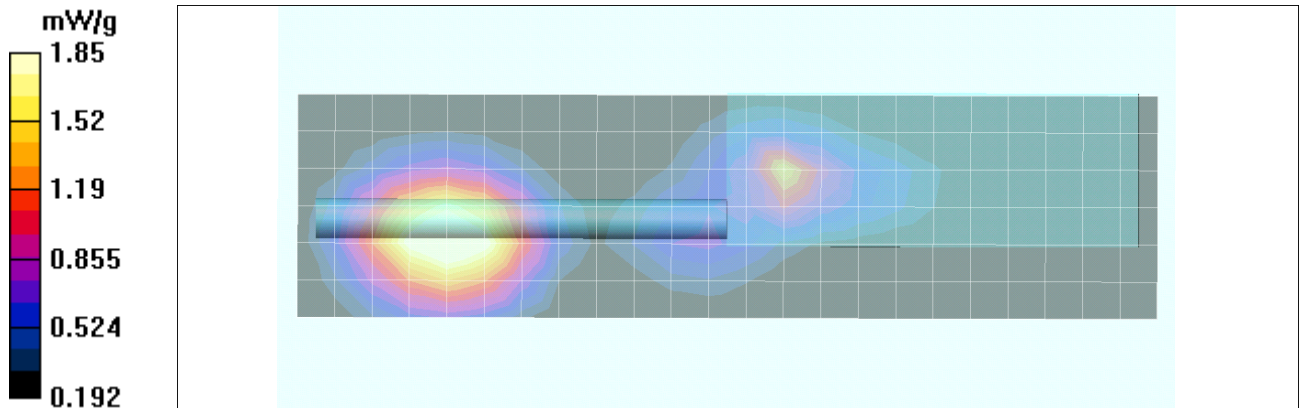
Reference Value = 29.4 V/m; Power Drift = -1.33 dB


Peak SAR (extrapolated) = 2.21 W/kg



SAR(1 g) = 1.72 mW/g; SAR(10 g) = 1.22 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.85 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B16

Date Tested: 08/25/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.89 mW/g

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

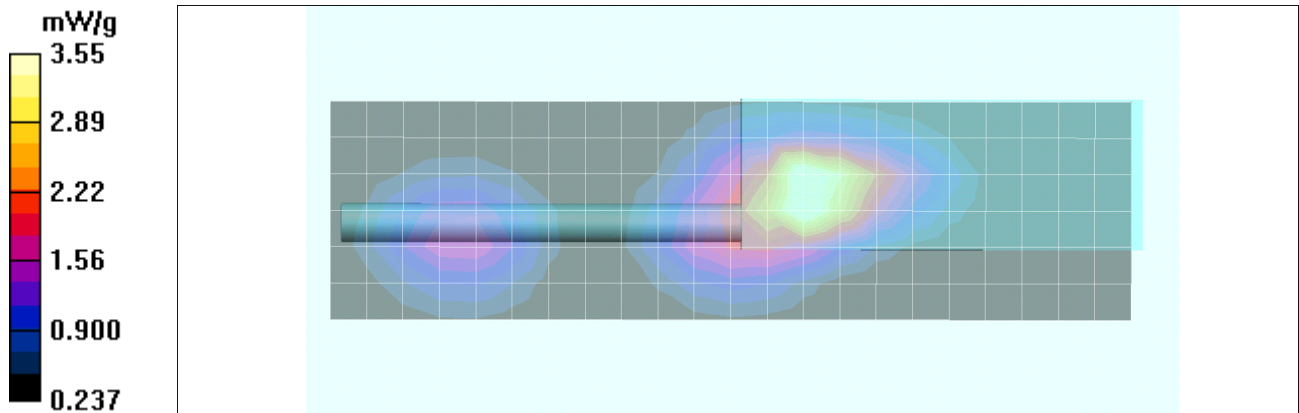
Reference Value = 42.1 V/m; Power Drift = -0.729 dB


Peak SAR (extrapolated) = 5.39 W/kg



SAR(1 g) = 3.28 mW/g; SAR(10 g) = 2.02 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.55 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B17

Date Tested: 08/25/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.02 mW/g

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

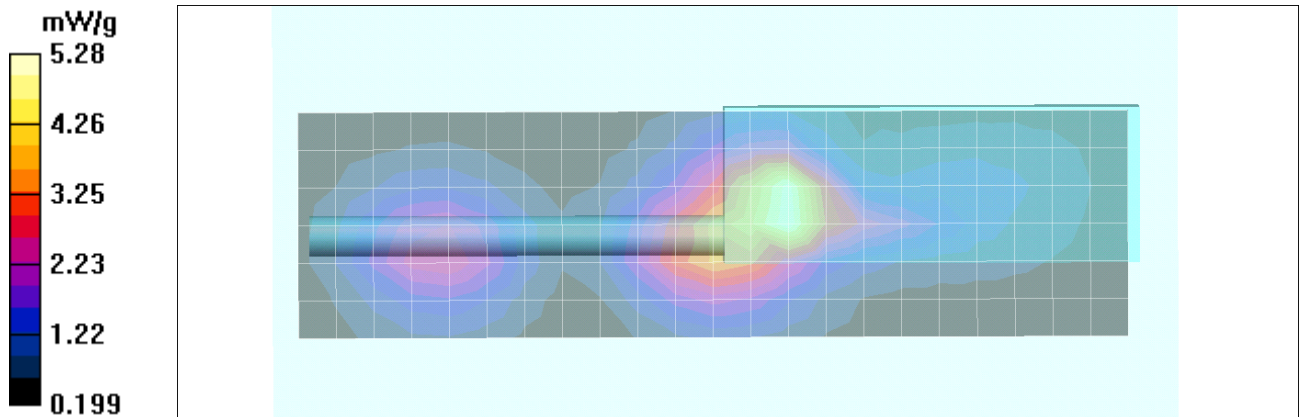
Reference Value = 52.9 V/m; Power Drift = -2.31 dB


Peak SAR (extrapolated) = 7.10 W/kg



SAR(1 g) = 4.73 mW/g; SAR(10 g) = 2.89 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.28 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B18

Date Tested: 08/25/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 4.20 mW/g

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

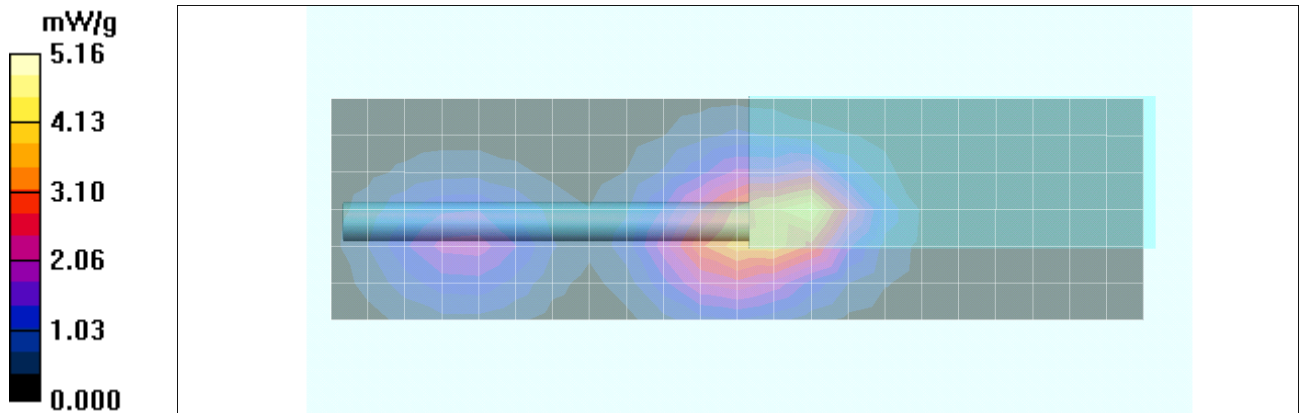
Reference Value = 48.7 V/m; Power Drift = -1.20 dB


Peak SAR (extrapolated) = 7.92 W/kg

SAR(1 g) = 4.74 mW/g; SAR(10 g) = 3.26 mW/g

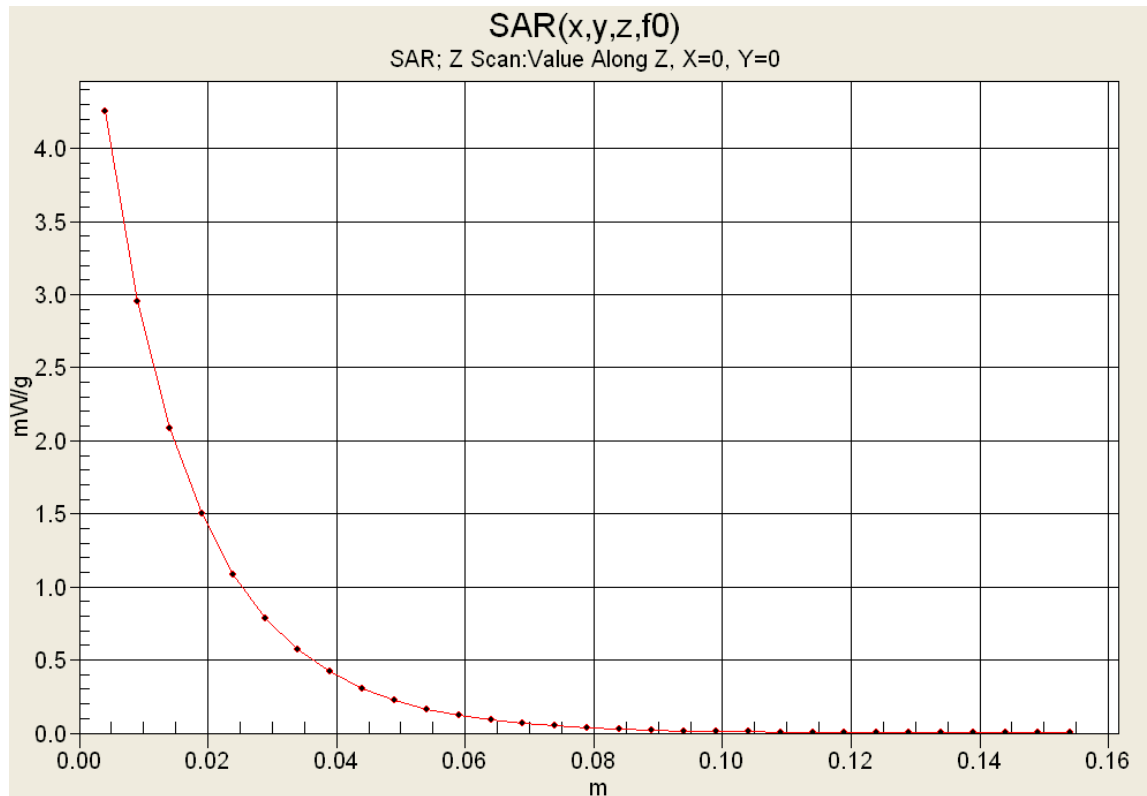
Info: Interpolated medium parameters used for SAR evaluation.



Maximum value of SAR (measured) = 5.16 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Z-axis Scan



	<u>Date(s) of Evaluation</u> Aug. 25 - Sep. 21, 2011	<u>Test Report Serial No.</u> 060111AQZ-T1102-S90M	<u>Test Report Revision No.</u> Rev. 1.1 (2nd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B19

Date Tested: 08/25/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

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

Zoom Scan (7x5x5)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=7.5\text{mm}$, $dz=7.5\text{mm}$

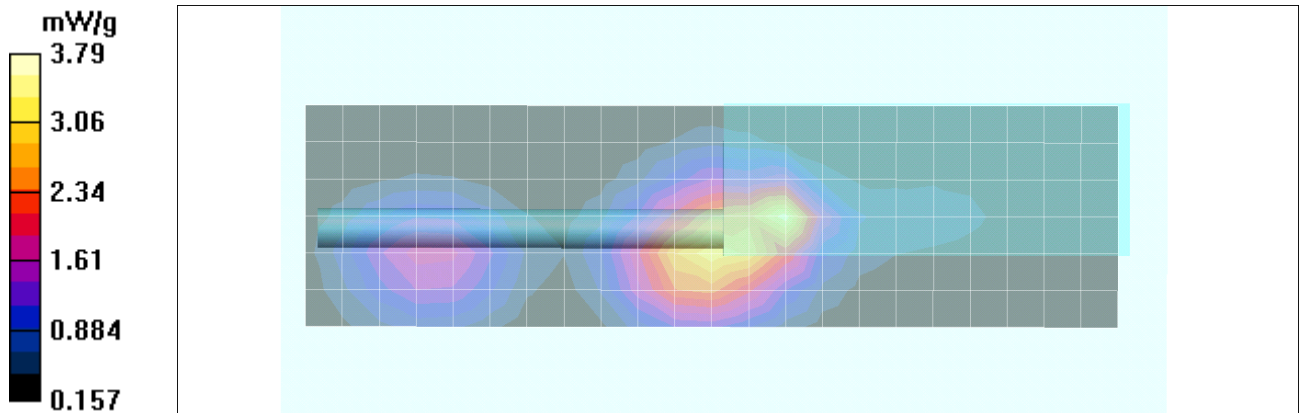
Reference Value = 46.9 V/m; Power Drift = -1.31 dB


Peak SAR (extrapolated) = 5.09 W/kg



SAR(1 g) = 3.44 mW/g; SAR(10 g) = 2.21 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.79 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Date(s) of Evaluation</u> Aug. 25 - Sep. 21, 2011	<u>Test Report Serial No.</u> 060111AQZ-T1102-S90M	<u>Test Report Revision No.</u> Rev. 1.1 (2nd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B20

Date Tested: 08/25/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 23C; Fluid Temp: 23.6C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.99 \text{ mho/m}$; $\epsilon_r = 54$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

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

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

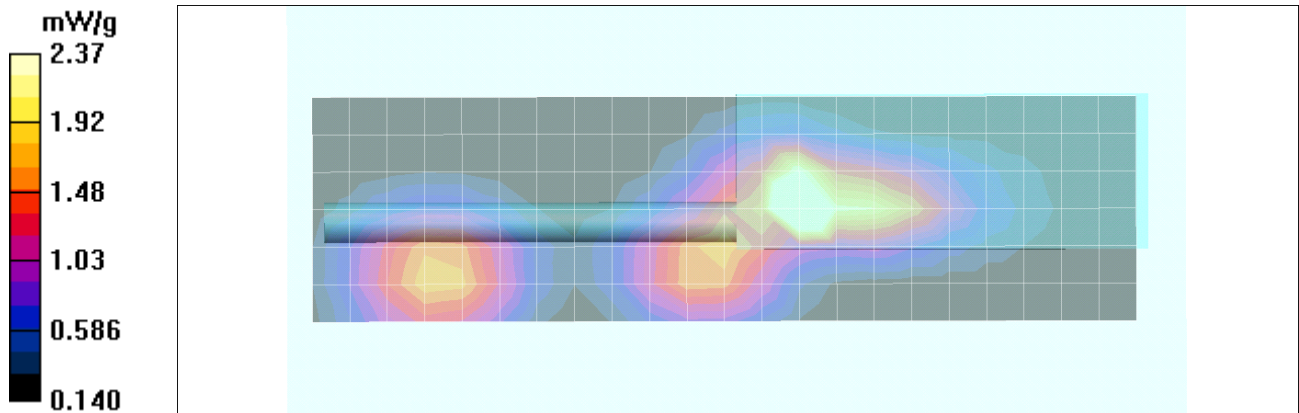
Reference Value = 42.3 V/m; Power Drift = -1.69 dB


Peak SAR (extrapolated) = 4.71 W/kg



SAR(1 g) = 2.28 mW/g; SAR(10 g) = 1.41 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.37 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B21

Date Tested: 08/31/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 24C; Fluid Temp: 21.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 775 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used: $f = 775 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 56.6$; $\rho = 1000 \text{ kg/m}^3$

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

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

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

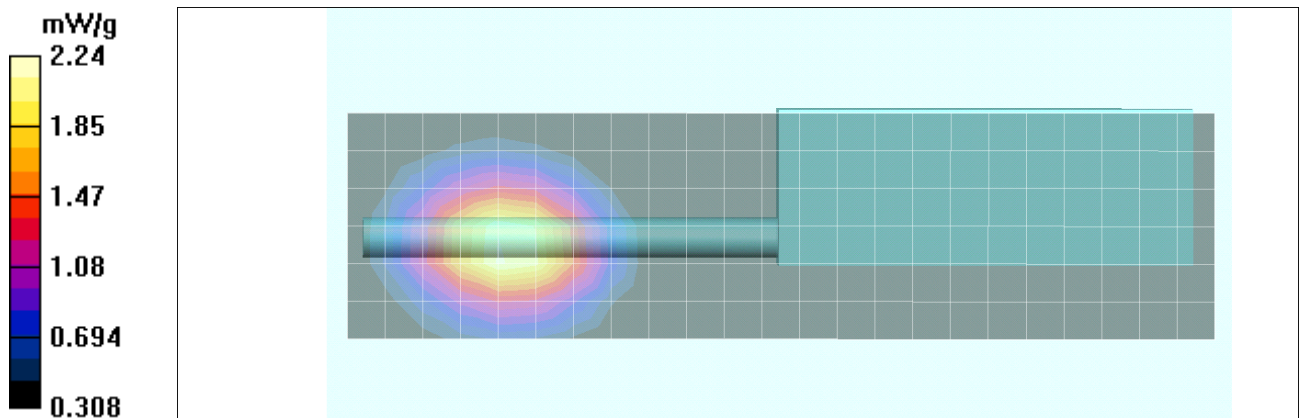
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$


Reference Value = 13.2 V/m; Power Drift = -0.552 dB



Peak SAR (extrapolated) = 2.66 W/kg

SAR(1 g) = 2.13 mW/g; SAR(10 g) = 1.55 mW/g

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



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B22

Date Tested: 08/31/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 24C; Fluid Temp: 21.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 775 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used: $f = 775 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 56.6$; $\rho = 1000 \text{ kg/m}^3$

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

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

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

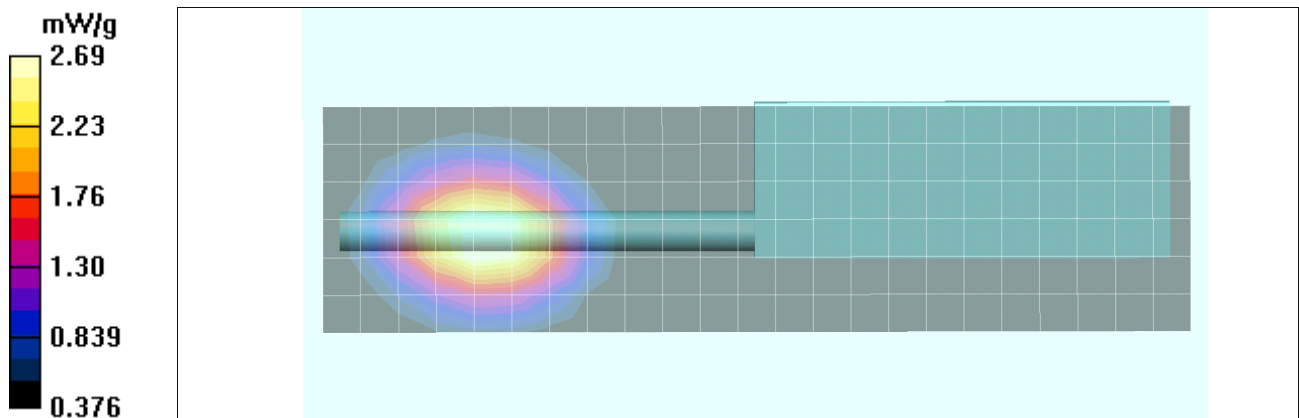
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$


Reference Value = 13.5 V/m; Power Drift = -0.428 dB



Peak SAR (extrapolated) = 3.20 W/kg

SAR(1 g) = 2.54 mW/g; SAR(10 g) = 1.84 mW/g

Maximum value of SAR (measured) = 2.69 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Body SAR Plot B23

Date Tested: 08/31/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A40200001652

Ambient Temp: 24C; Fluid Temp: 21.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 775 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used: $f = 775 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 56.6$; $\rho = 1000 \text{ kg/m}^3$

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

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

Maximum value of SAR (measured) = 2.56 mW/g

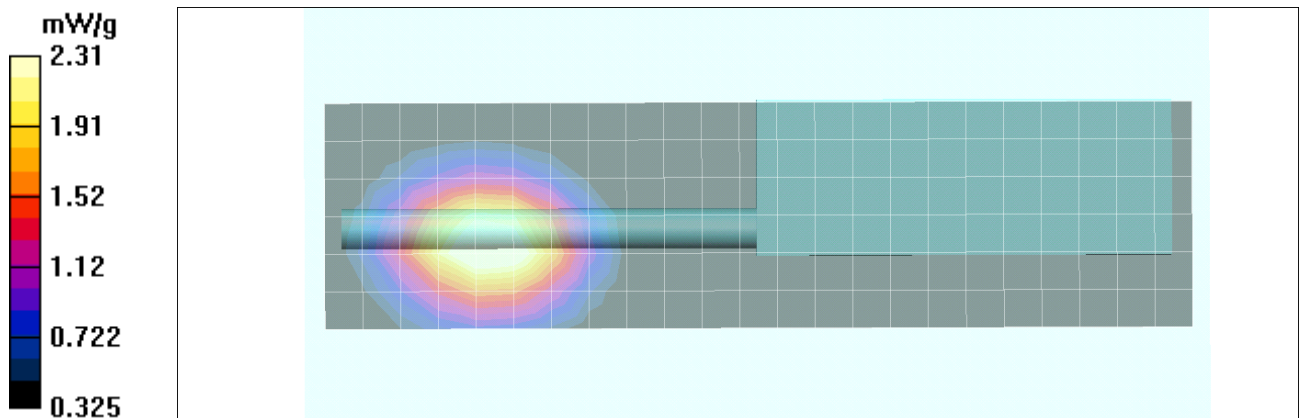
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$


Reference Value = 13.8 V/m; Power Drift = -0.554 dB



Peak SAR (extrapolated) = 2.72 W/kg

SAR(1 g) = 2.17 mW/g; SAR(10 g) = 1.58 mW/g

Maximum value of SAR (measured) = 2.31 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B24

Date Tested: 08/31/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 24C; Fluid Temp: 21.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 775 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used: $f = 775 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 56.6$; $\rho = 1000 \text{ kg/m}^3$

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

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

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

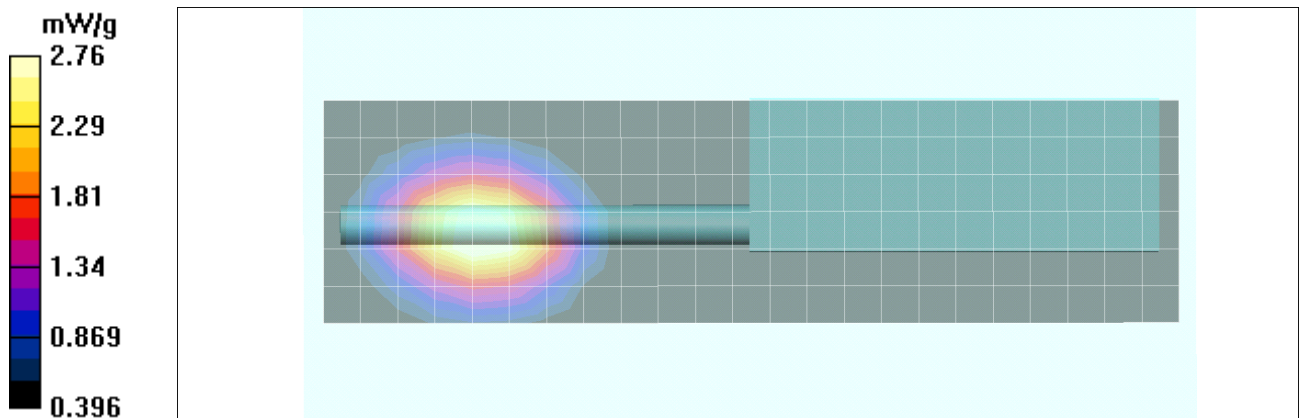
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$


Reference Value = 14.4 V/m; Power Drift = -0.550 dB

Peak SAR (extrapolated) = 3.27 W/kg

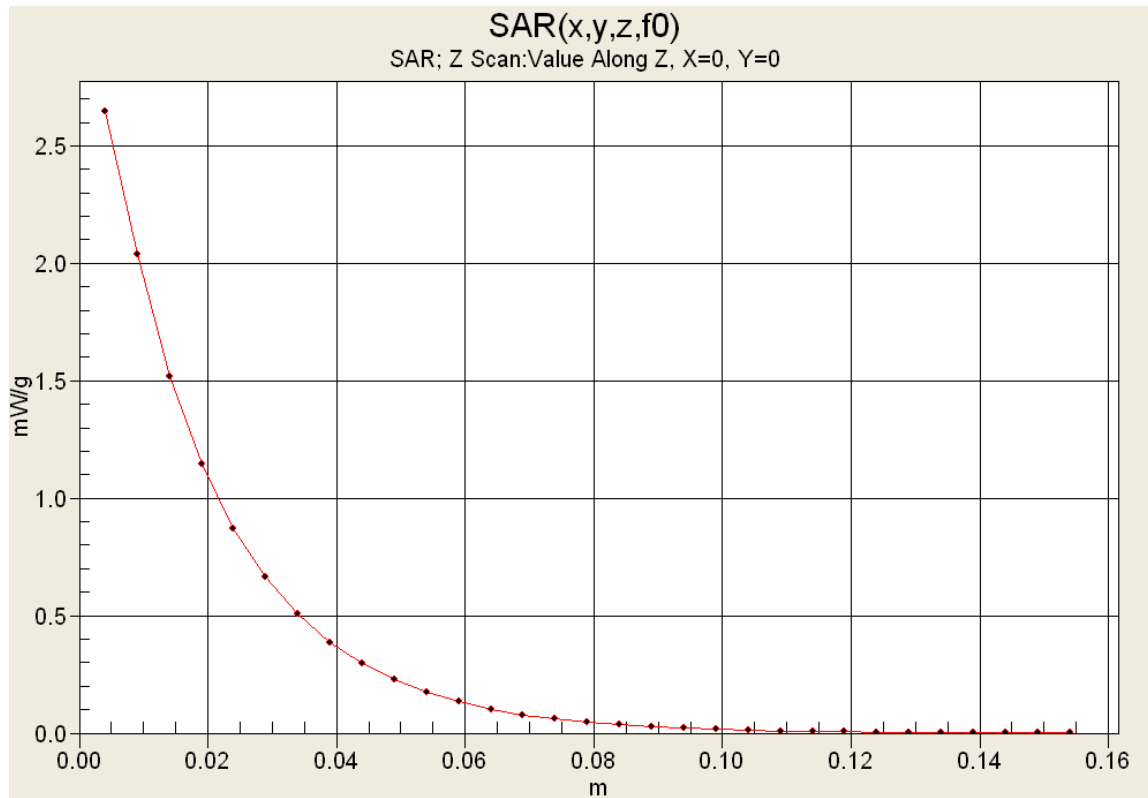
SAR(1 g) = 2.59 mW/g; SAR(10 g) = 1.87 mW/g



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



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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Z-axis Scan



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Body SAR Plot B25

Date Tested: 08/31/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 24C; Fluid Temp: 21.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 775 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used: $f = 775 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 56.6$; $\rho = 1000 \text{ kg/m}^3$

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

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

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

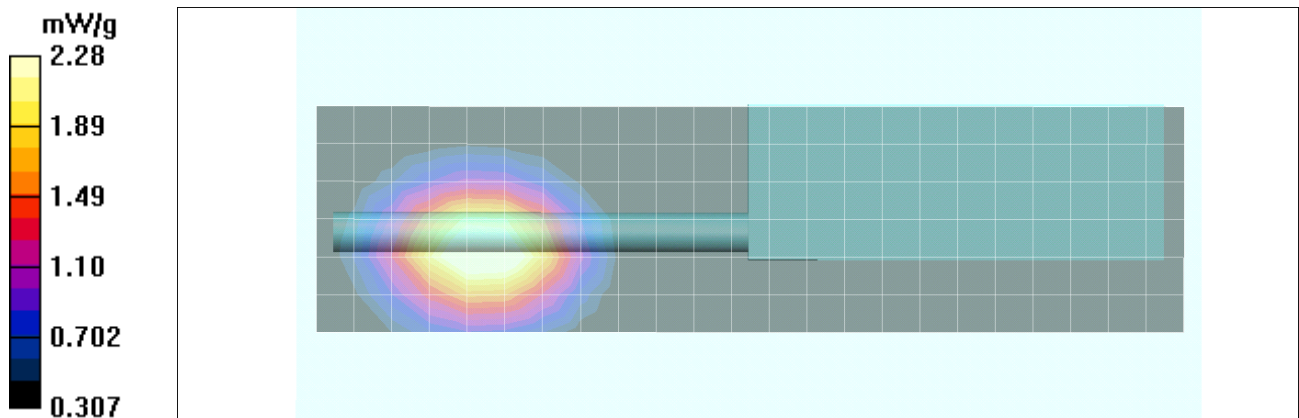
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$


Reference Value = 14.9 V/m; Power Drift = -0.556 dB



Peak SAR (extrapolated) = 2.70 W/kg

SAR(1 g) = 2.15 mW/g; SAR(10 g) = 1.56 mW/g

Maximum value of SAR (measured) = 2.28 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B26

Date Tested: 08/29/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 24C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 793 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.928 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

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

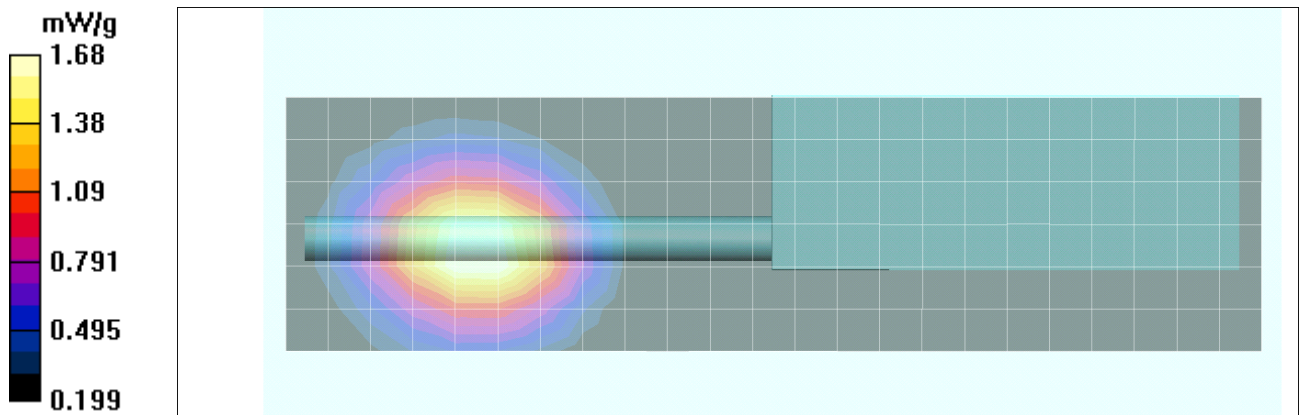
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$


Reference Value = 13.2 V/m; Power Drift = -0.431 dB



Peak SAR (extrapolated) = 1.98 W/kg

SAR(1 g) = 1.59 mW/g; SAR(10 g) = 1.16 mW/g

Info: Interpolated medium parameters used for SAR evaluation.



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B27

Date Tested: 08/29/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 24C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 793 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.928 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

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

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

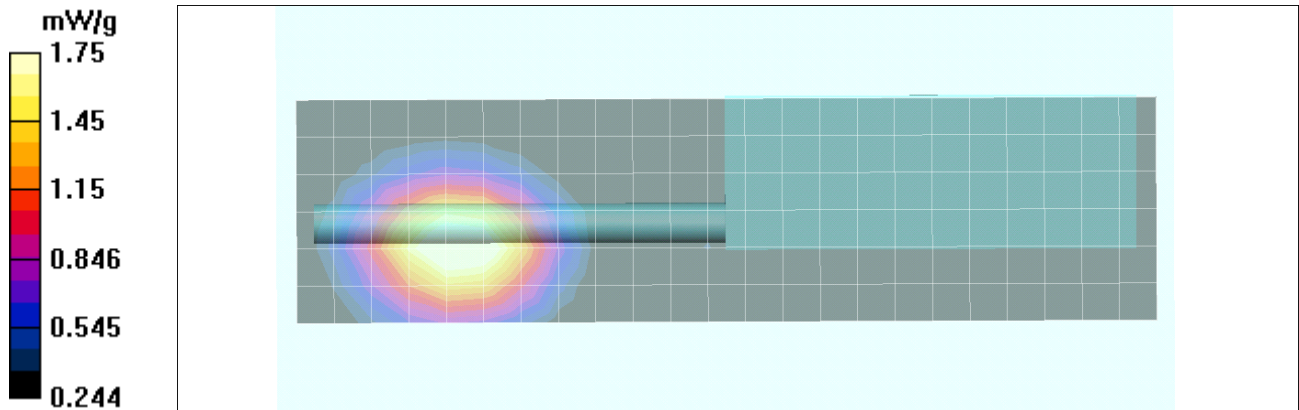
Reference Value = 16.0 V/m; Power Drift = -0.349 dB


Peak SAR (extrapolated) = 2.07 W/kg



SAR(1 g) = 1.65 mW/g; SAR(10 g) = 1.2 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B28

Date Tested: 08/30/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 24C; Fluid Temp: 23.0C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 793 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 56.2$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.30 mW/g

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

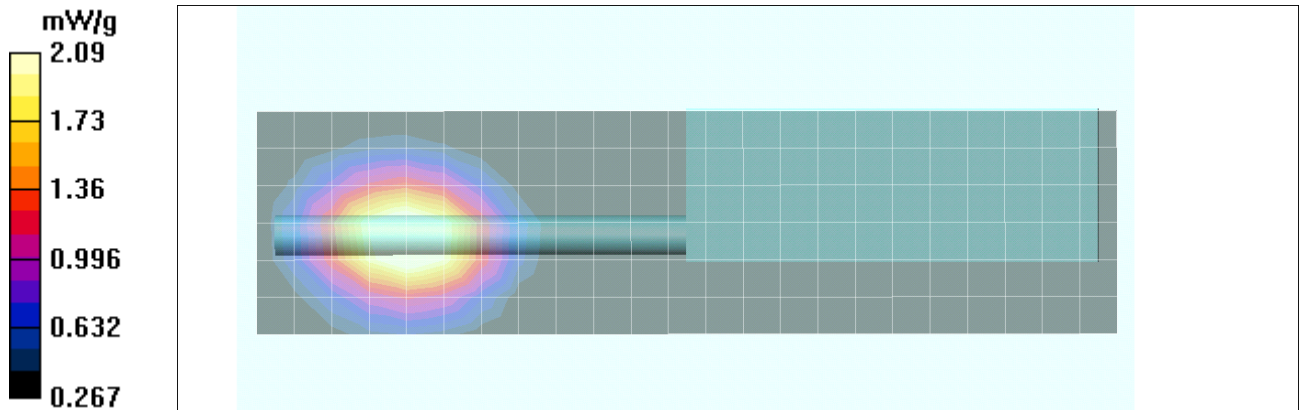
Reference Value = 18.9 V/m; Power Drift = -0.696 dB


Peak SAR (extrapolated) = 2.51 W/kg



SAR(1 g) = 1.97 mW/g; SAR(10 g) = 1.4 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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	<u>Date(s) of Evaluation</u> Aug. 25 - Sep. 21, 2011	<u>Test Report Serial No.</u> 060111AQZ-T1102-S90M	<u>Test Report Revision No.</u> Rev. 1.1 (2nd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> October 26, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B29

Date Tested: 08/30/2011

DUT: Harris Unity XG-100P; Type: Portable Multi-band PTT Radio Transceiver; Serial: A4020001652

Ambient Temp: 24C; Fluid Temp: 23.0C; Barometric Pressure: 101.1 kPa; Humidity: 36%

Communication System: CW

Frequency: 793 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 793 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 56.2$; $\rho = 1000 \text{ kg/m}^3$

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

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.41 mW/g

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

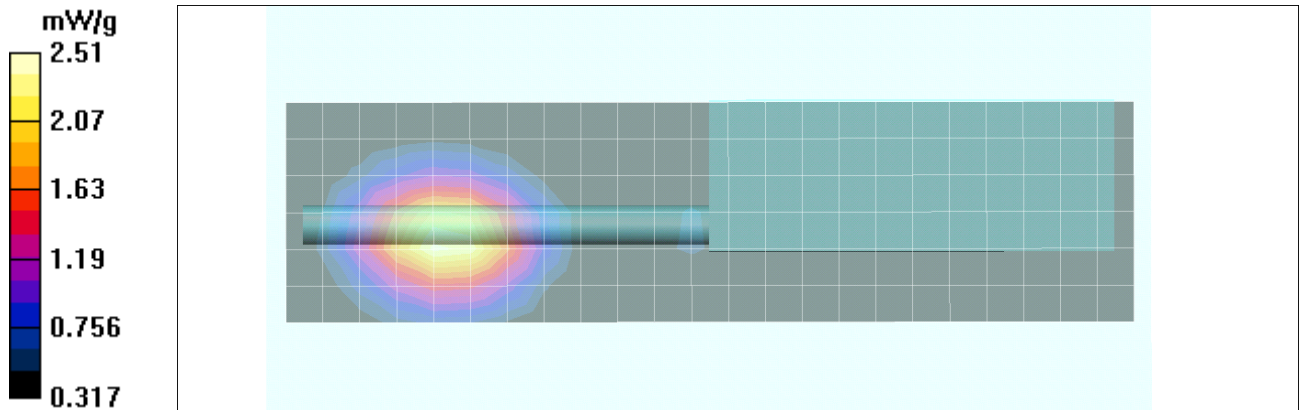
Reference Value = 22.9 V/m; Power Drift = -0.329 dB


Peak SAR (extrapolated) = 2.99 W/kg

SAR(1 g) = 2.37 mW/g; SAR(10 g) = 1.7 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.51 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable PTT Multi-band Radio Transceiver	Model:	Unity XG-100P	700/800 MHz Bands		
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