



	<u>Date(s) of Evaluation</u> 09/14-19, 11/18, 2011	<u>Test Report Serial No.</u> 060111AQZ-T1102-S90V	<u>Test Report Revision No.</u> Rev. 1.2 (3rd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> December 02, 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 Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Face SAR Plot F1

Date Tested: 09/19/2011

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

Ambient Temp: 23C; Fluid Temp: 22.6C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.756 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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 (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.525 mW/g

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

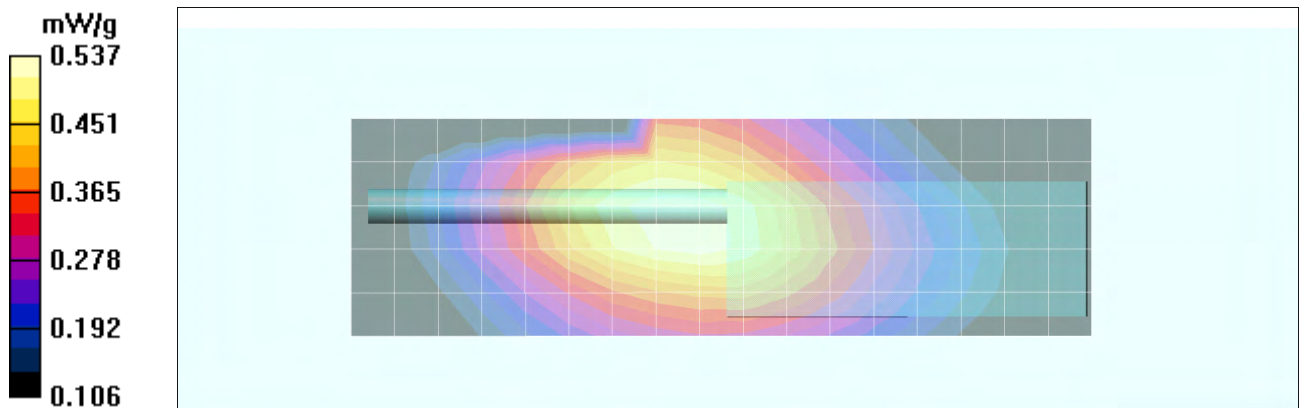
Reference Value = 27.4 V/m; Power Drift = -0.356 dB


Peak SAR (extrapolated) = 0.752 W/kg




SAR(1 g) = 0.504 mW/g; SAR(10 g) = 0.363 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.537 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Face SAR Plot F2

Date Tested: 09/19/2011

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

Ambient Temp: 23C; Fluid Temp: 22.6C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.756 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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 (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.492 mW/g

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

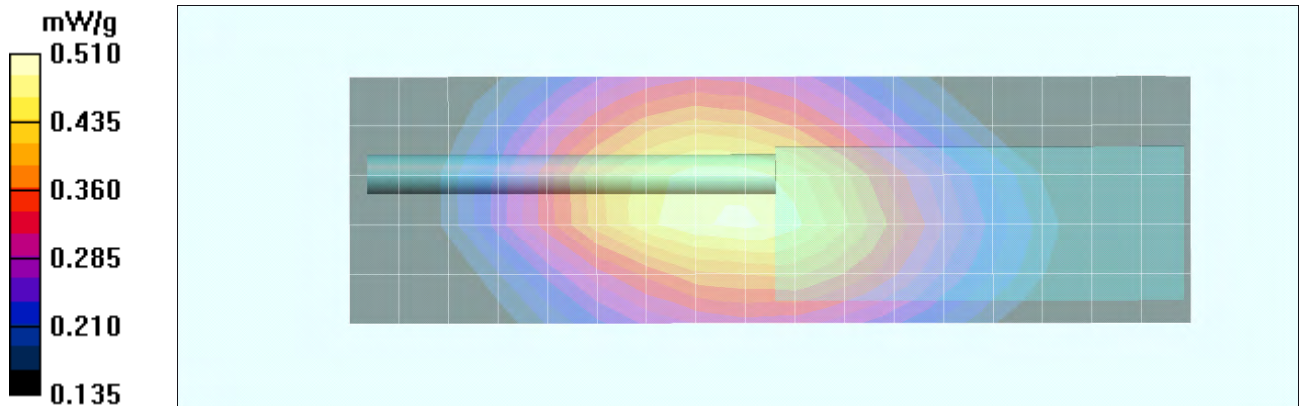
Reference Value = 26.5 V/m; Power Drift = -0.325 dB


Peak SAR (extrapolated) = 0.721 W/kg



SAR(1 g) = 0.495 mW/g; SAR(10 g) = 0.382 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.510 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Face SAR Plot F3

Date Tested: 09/19/2011

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

Ambient Temp: 23C; Fluid Temp: 22.6C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.756 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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 (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.594 mW/g

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

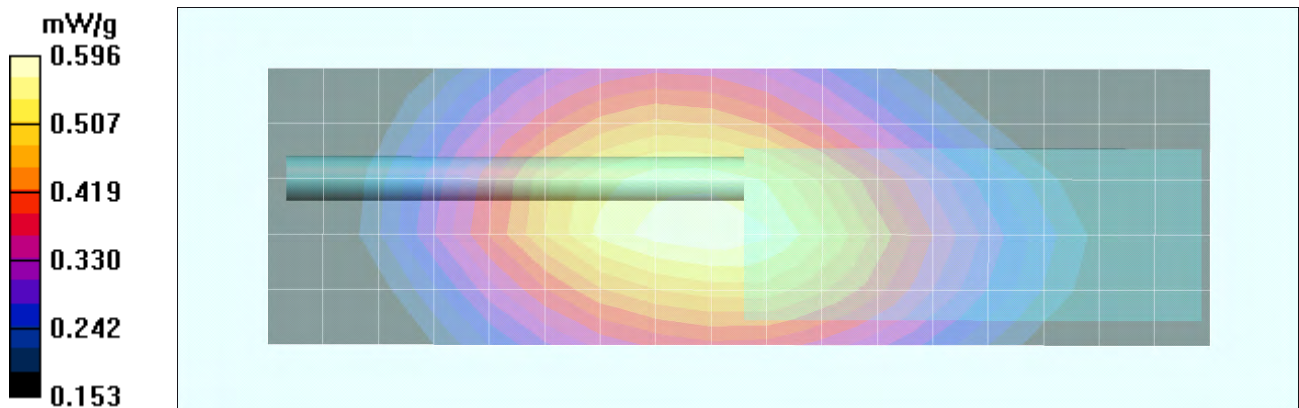
Reference Value = 28.8 V/m; Power Drift = -0.691 dB


Peak SAR (extrapolated) = 0.830 W/kg

SAR(1 g) = 0.573 mW/g; SAR(10 g) = 0.442 mW/g

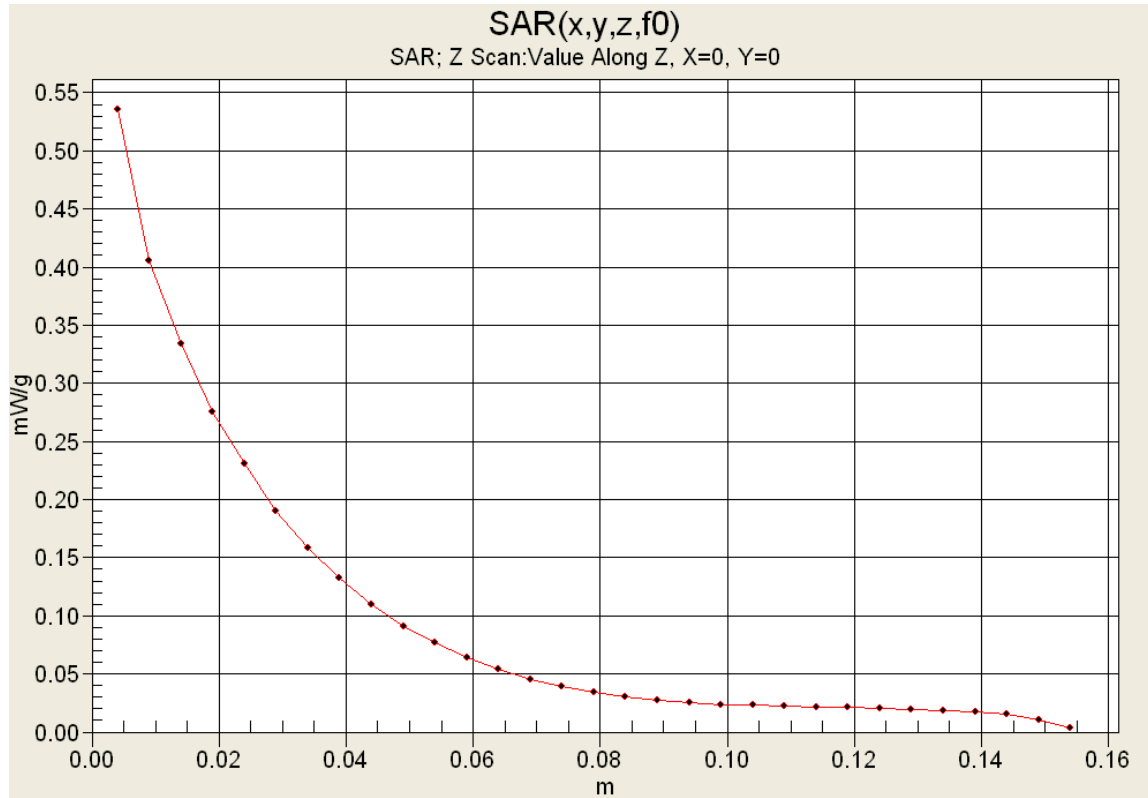
Info: Interpolated medium parameters used for SAR evaluation.



Maximum value of SAR (measured) = 0.596 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Z-Axis Scan



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Face SAR Plot F4

Date Tested: 09/19/2011

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

Ambient Temp: 23C; Fluid Temp: 22.6C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.756 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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 (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.556 mW/g

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

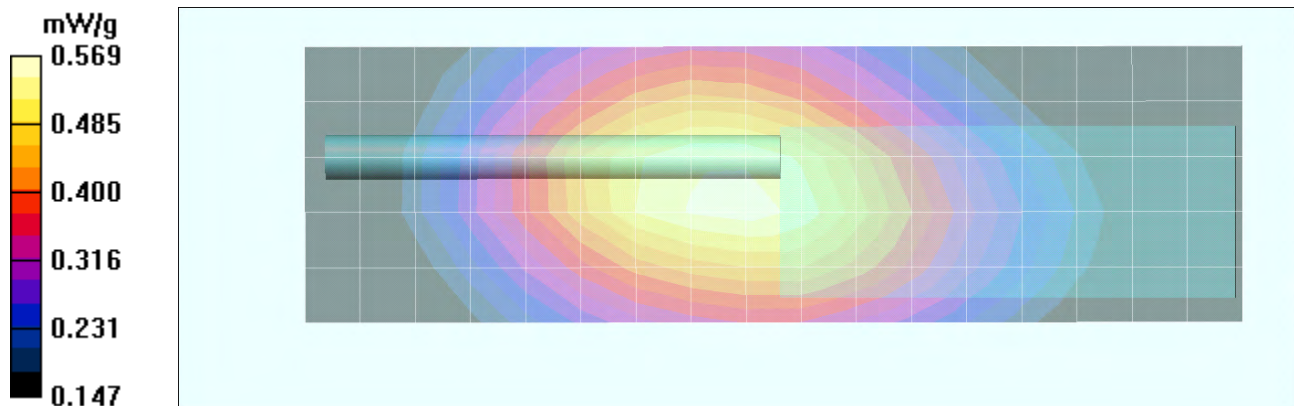
Reference Value = 27.7 V/m; Power Drift = -0.372 dB


Peak SAR (extrapolated) = 0.805 W/kg



SAR(1 g) = 0.553 mW/g; SAR(10 g) = 0.426 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.569 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Face SAR Plot F5

Date Tested: 09/19/2011

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

Ambient Temp: 23C; Fluid Temp: 22.6C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.756 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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 (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.478 mW/g

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

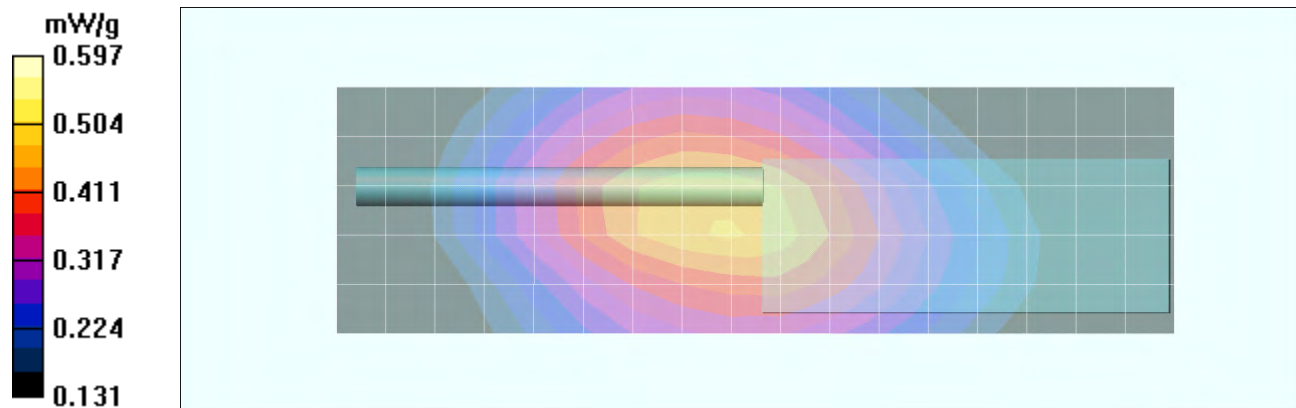
Reference Value = 27.4 V/m; Power Drift = -0.795 dB


Peak SAR (extrapolated) = 0.855 W/kg




SAR(1 g) = 0.528 mW/g; SAR(10 g) = 0.386 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.597 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Face SAR Plot F6

Date Tested: 09/16/2011

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

Ambient Temp: 23C; Fluid Temp: 22.6C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.743 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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 (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

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

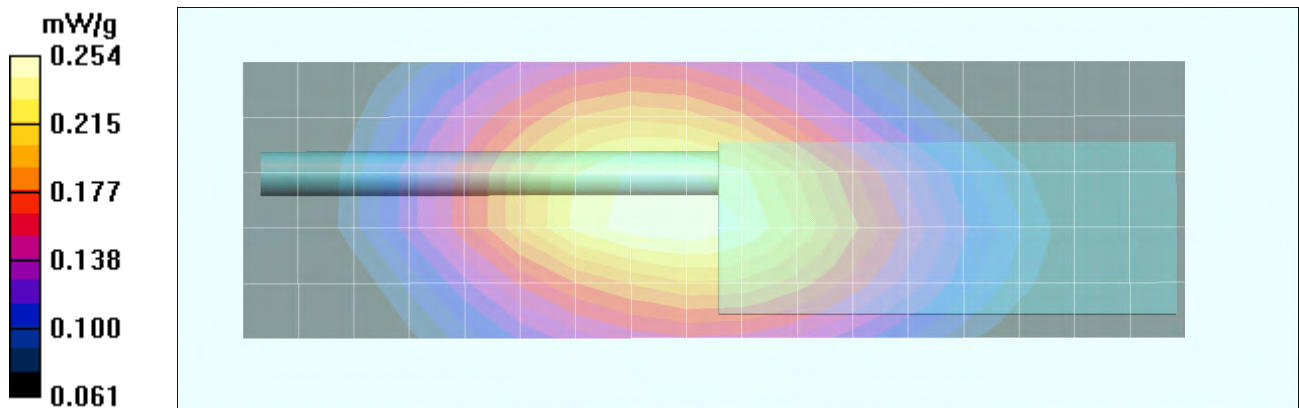
Reference Value = 19.2 V/m; Power Drift = -0.902 dB


Peak SAR (extrapolated) = 0.357 W/kg

SAR(1 g) = 0.244 mW/g; SAR(10 g) = 0.185 mW/g

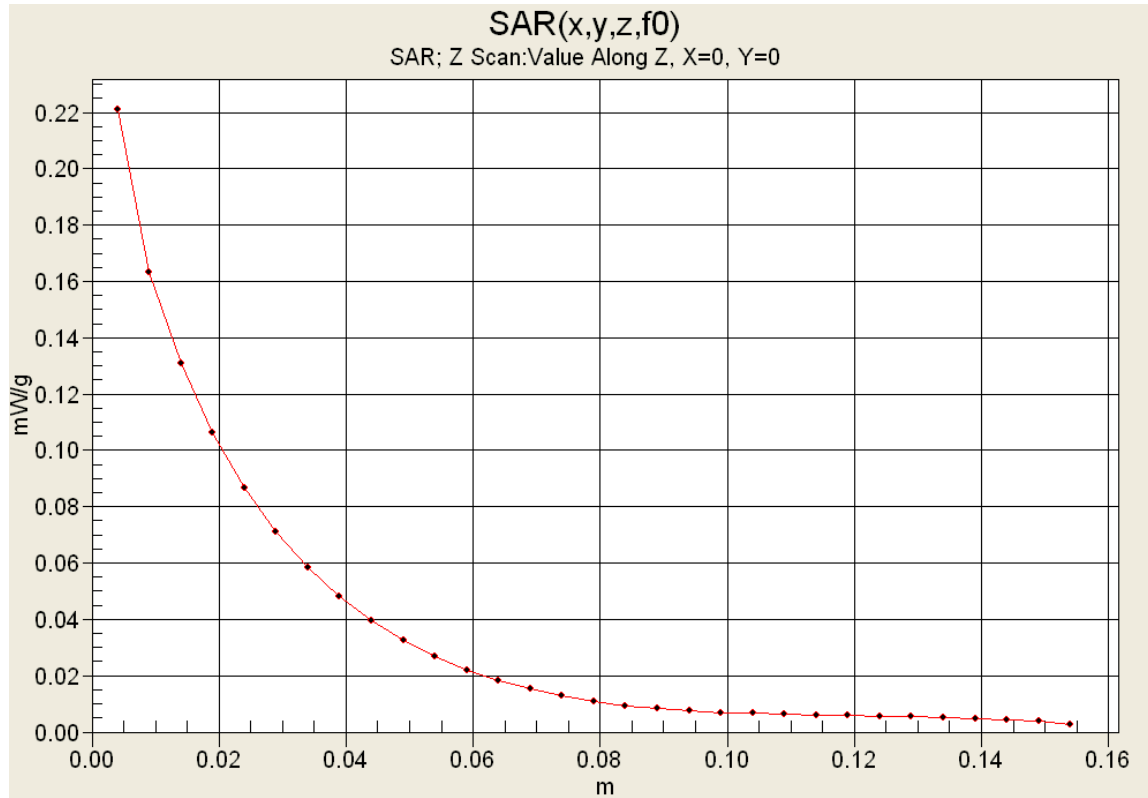
Info: Interpolated medium parameters used for SAR evaluation.




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



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Z-Axis Scan



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Face SAR Plot F7

Date Tested: 09/16/2011

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

Ambient Temp: 23C; Fluid Temp: 22.6C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.743 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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 (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.218 mW/g

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

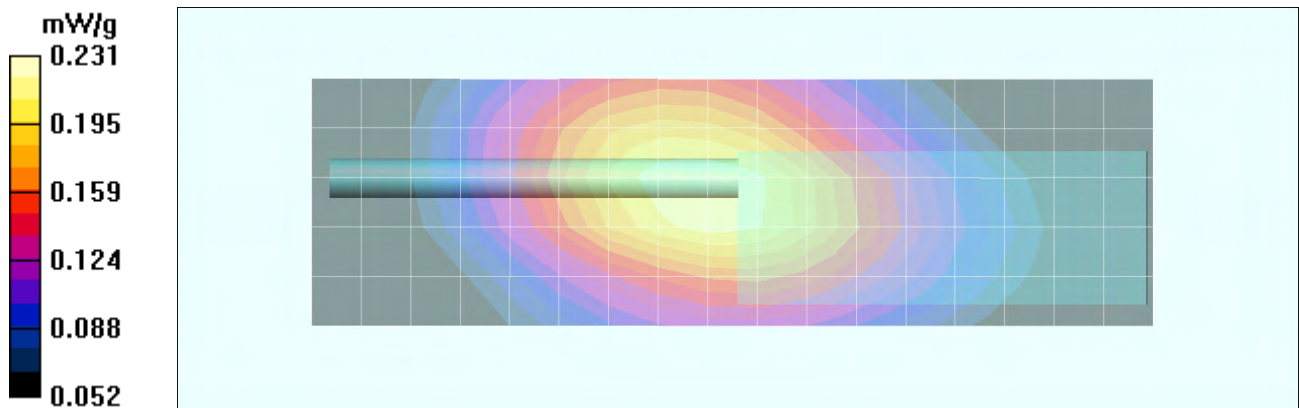
Reference Value = 18.3 V/m; Power Drift = -0.878 dB


Peak SAR (extrapolated) = 0.325 W/kg



SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.167 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Face SAR Plot F8

Date Tested: 09/19/2011

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

Ambient Temp: 23C; Fluid Temp: 22.6C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 173.4$ MHz; $\sigma = 0.783$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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 (6x18x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.267 mW/g

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

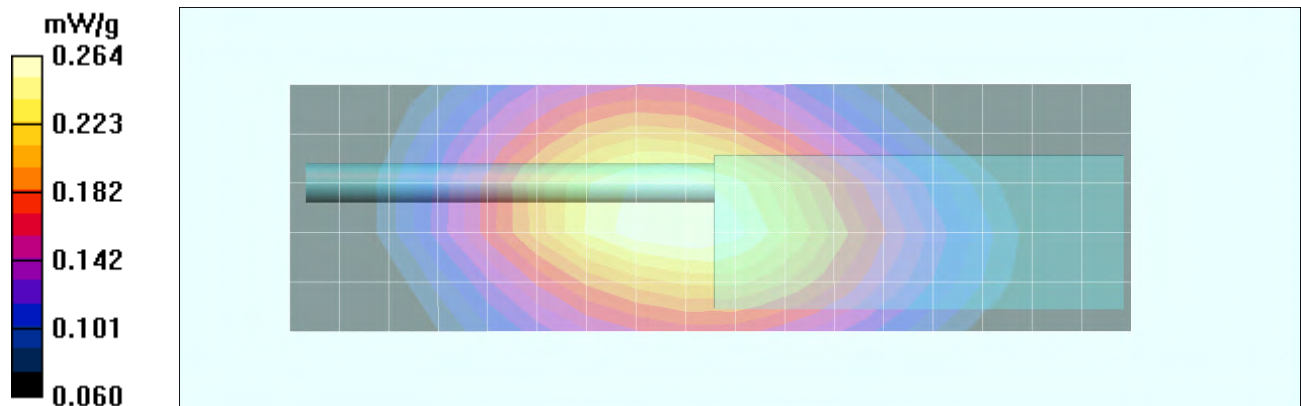
Reference Value = 19.1 V/m; Power Drift = -0.924 dB


Peak SAR (extrapolated) = 0.373 W/kg




SAR(1 g) = 0.255 mW/g; SAR(10 g) = 0.193 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Face SAR Plot F9

Date Tested: 09/19/2011

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

Ambient Temp: 23C; Fluid Temp: 22.6C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.783 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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 (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

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

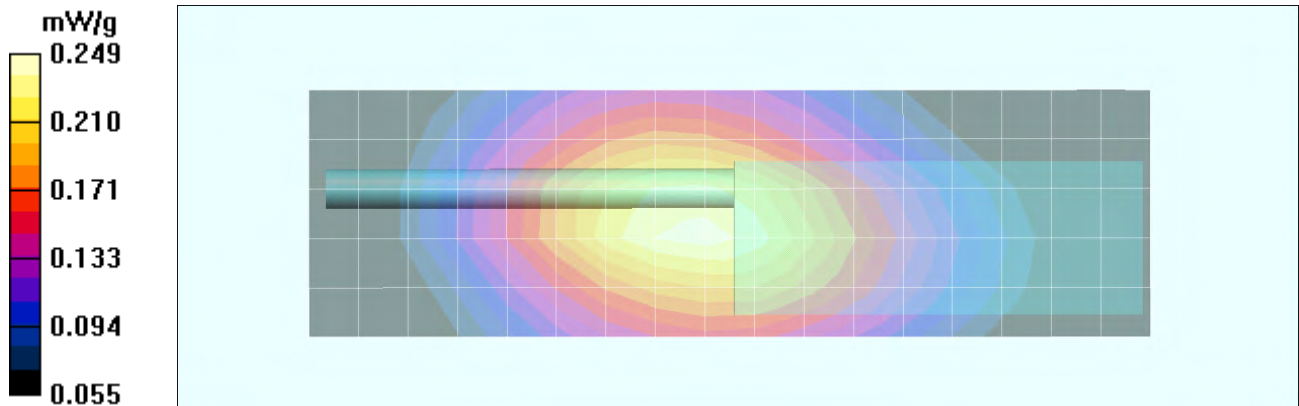
Reference Value = 18.7 V/m; Power Drift = -0.946 dB


Peak SAR (extrapolated) = 0.351 W/kg



SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.181 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.249 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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	<u>Test Report Issue Date</u> December 02, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F10

Date Tested: 09/19/2011

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

Ambient Temp: 23C; Fluid Temp: 22.6C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: HSL150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.783 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.9, 8.9, 8.9); 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 (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.249 mW/g

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

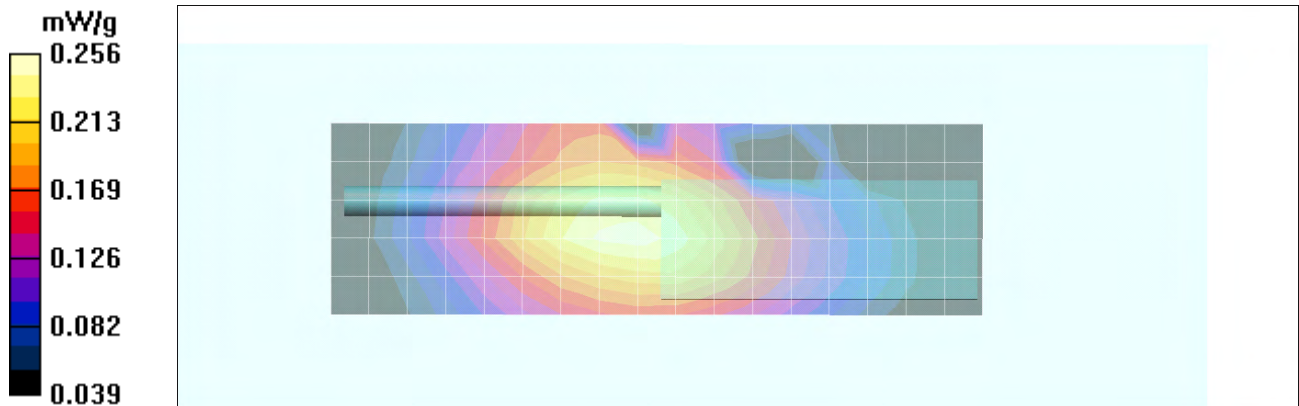
Reference Value = 19.7 V/m; Power Drift = -1.04 dB


Peak SAR (extrapolated) = 0.367 W/kg



SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.154 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.256 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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	<u>Test Report Issue Date</u> December 02, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B1

Date Tested: 11/18/2011

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

Ambient Temp: 22C; Fluid Temp: 20.7C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.774 \text{ mho/m}$; $\epsilon_r = 62.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- 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 (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.46 mW/g

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

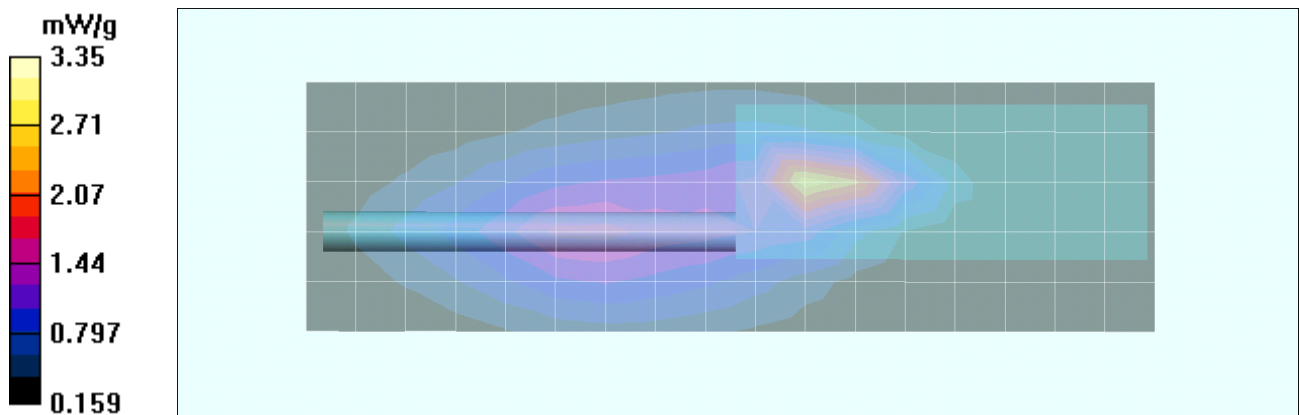
Reference Value = 39.1 V/m; Power Drift = -0.181 dB


Peak SAR (extrapolated) = 13.4 W/kg

SAR(1 g) = 3.54 mW/g; SAR(10 g) = 1.68 mW/g

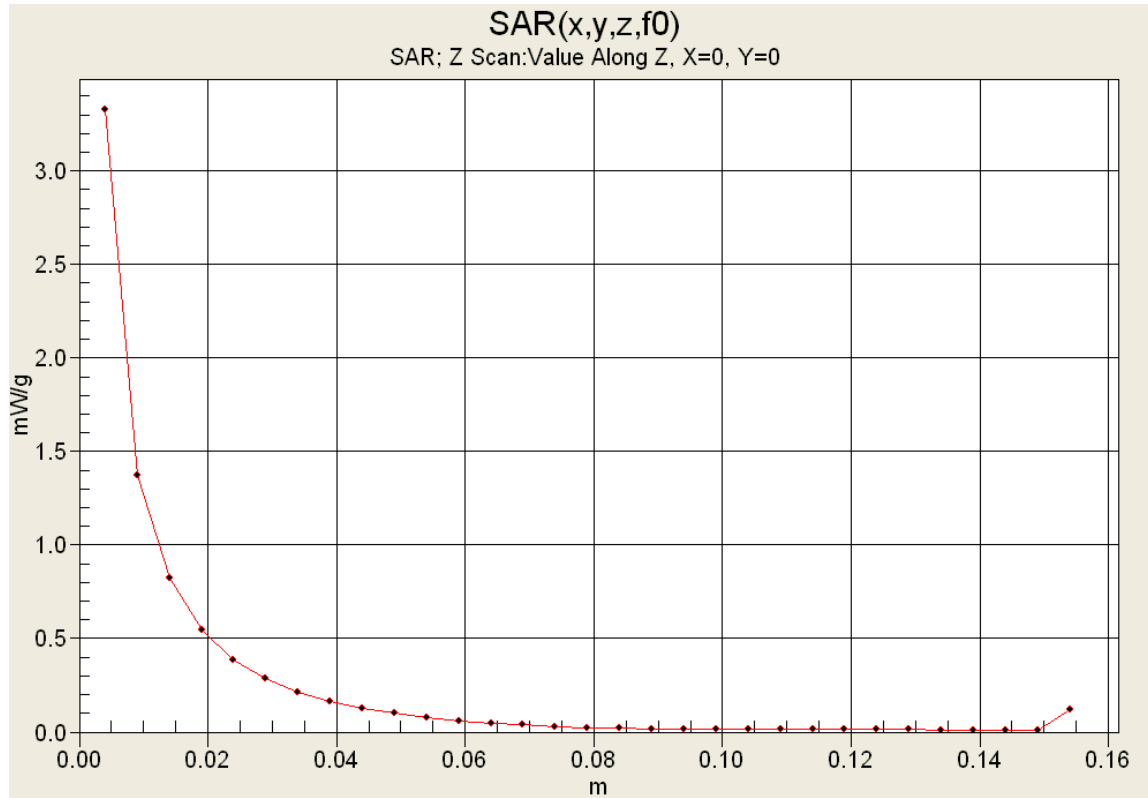
Info: Interpolated medium parameters used for SAR evaluation.




Maximum value of SAR (measured) = 3.35 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Z-Axis Scan



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Body SAR Plot B2

Date Tested: 09/16/2011

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

Ambient Temp: 23C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.768 \text{ mho/m}$; $\epsilon_r = 63.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

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

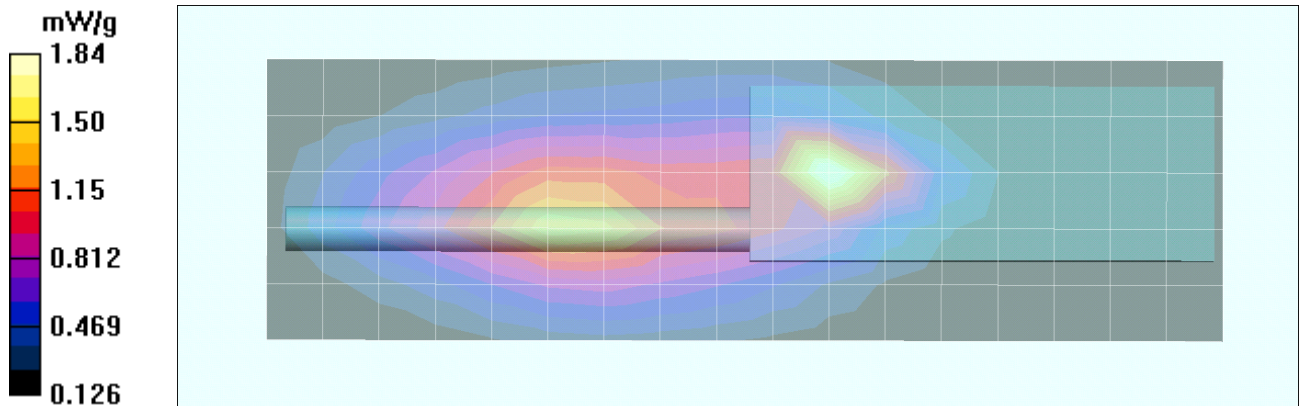
Reference Value = 36.9 V/m; Power Drift = -0.487 dB


Peak SAR (extrapolated) = 6.46 W/kg



SAR(1 g) = 1.91 mW/g; SAR(10 g) = 0.980 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.84 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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	<u>Test Report Issue Date</u> December 02, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B3

Date Tested: 09/16/2011

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

Ambient Temp: 23C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.768 \text{ mho/m}$; $\epsilon_r = 63.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

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

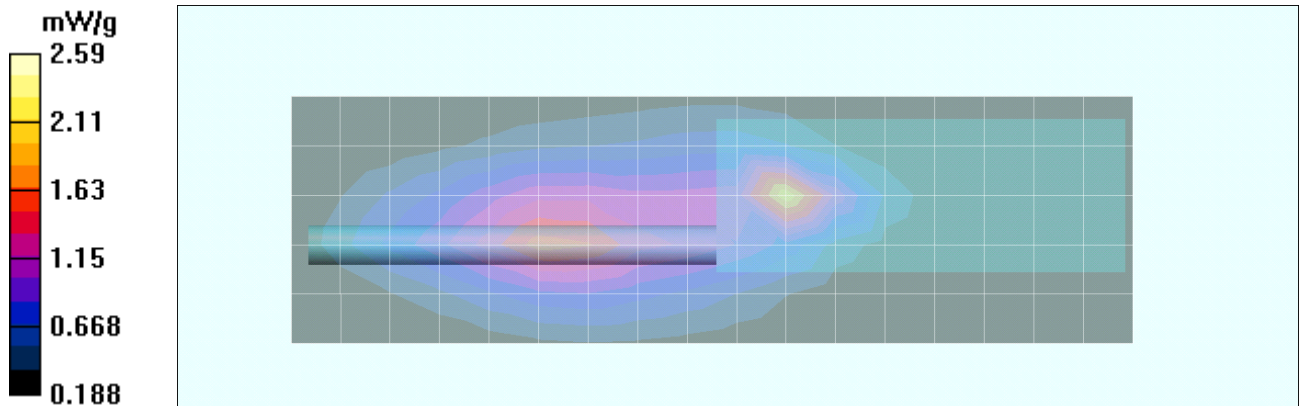
Reference Value = 43.6 V/m; Power Drift = -0.720 dB


Peak SAR (extrapolated) = 9.23 W/kg

SAR(1 g) = 2.71 mW/g; SAR(10 g) = 1.36 mW/g

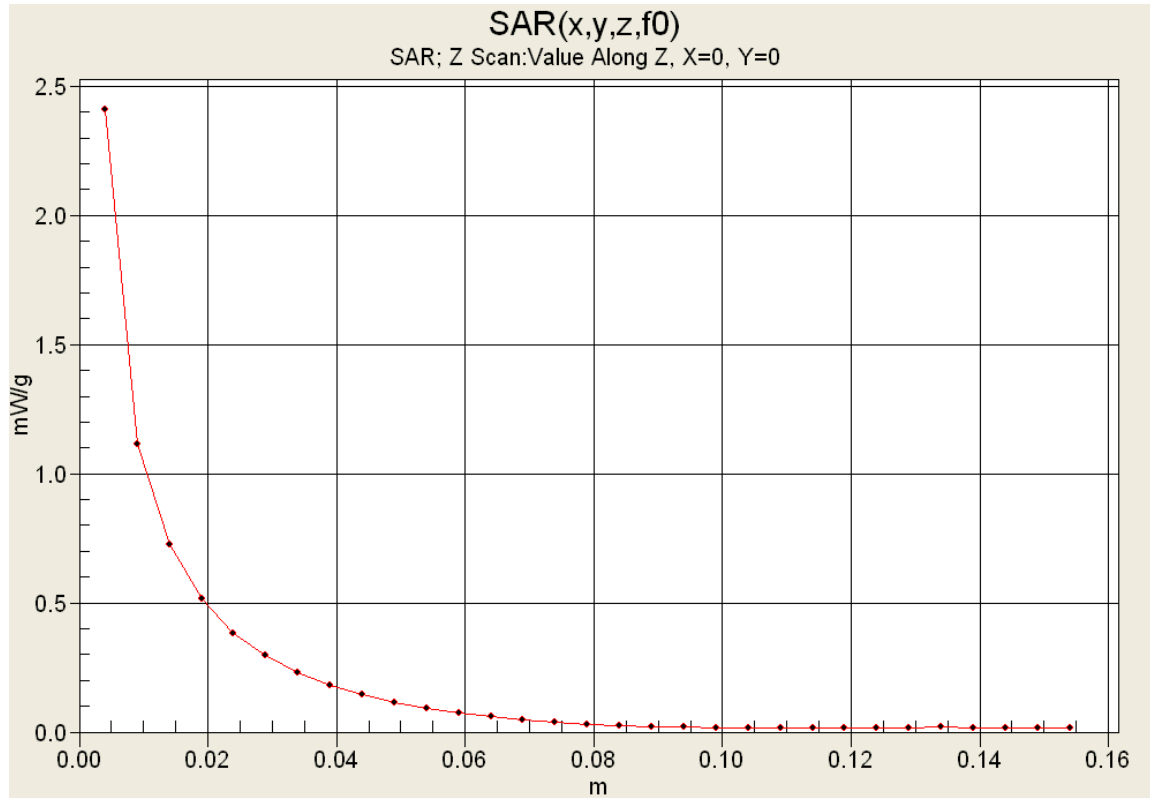
Info: Interpolated medium parameters used for SAR evaluation.



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



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Z-Axis Scan



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Body SAR Plot B4

Date Tested: 09/16/2011

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

Ambient Temp: 23C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.768 \text{ mho/m}$; $\epsilon_r = 63.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

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

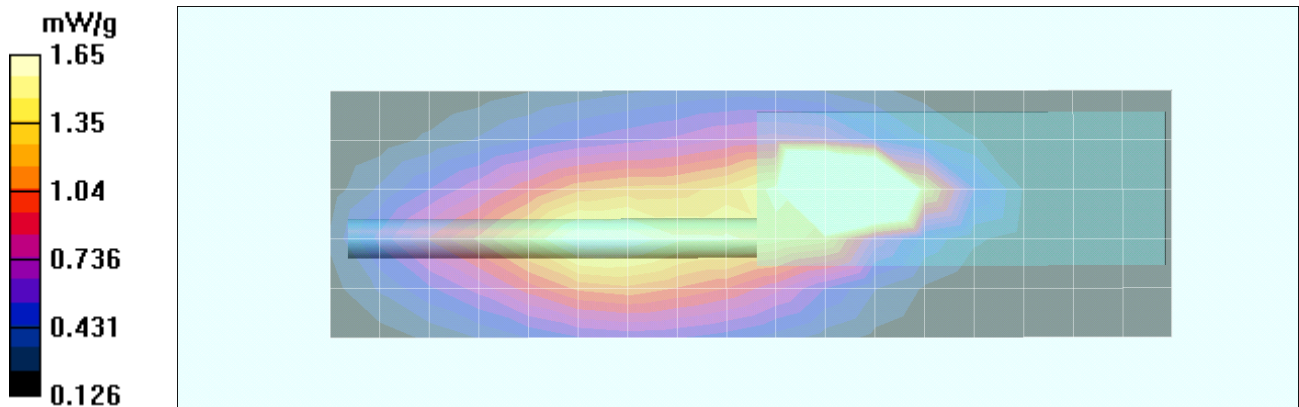
Reference Value = 37.2 V/m; Power Drift = -0.394 dB


Peak SAR (extrapolated) = 4.99 W/kg



SAR(1 g) = 1.66 mW/g; SAR(10 g) = 0.909 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.65 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Body SAR Plot B5

Date Tested: 09/16/2011

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

Ambient Temp: 23C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.768 \text{ mho/m}$; $\epsilon_r = 63.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

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

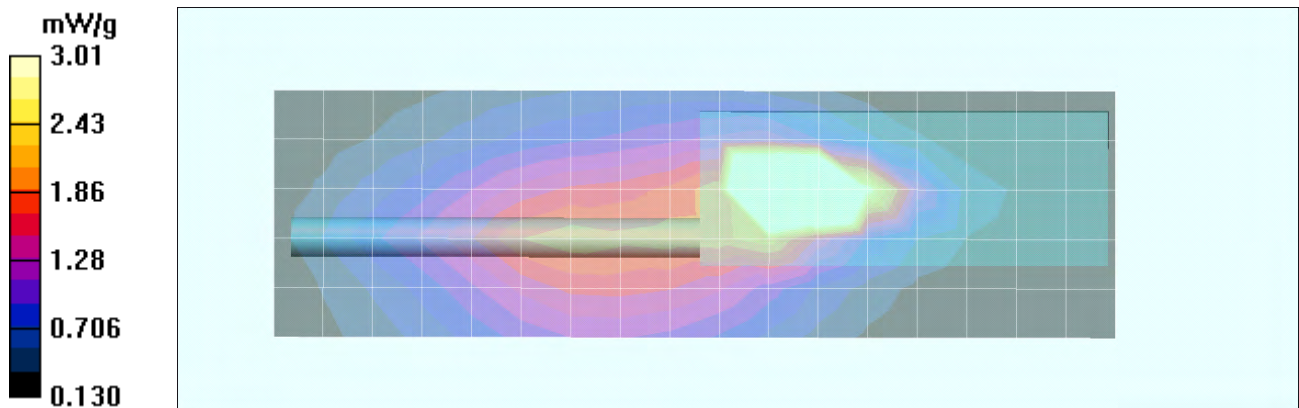
Reference Value = 37.4 V/m; Power Drift = -0.020 dB


Peak SAR (extrapolated) = 14.8 W/kg



SAR(1 g) = 3.41 mW/g; SAR(10 g) = 1.41 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.01 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Body SAR Plot B6

Date Tested: 09/14/2011

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

Ambient Temp: 23C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.803 \text{ mho/m}$; $\epsilon_r = 61.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.22 mW/g

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

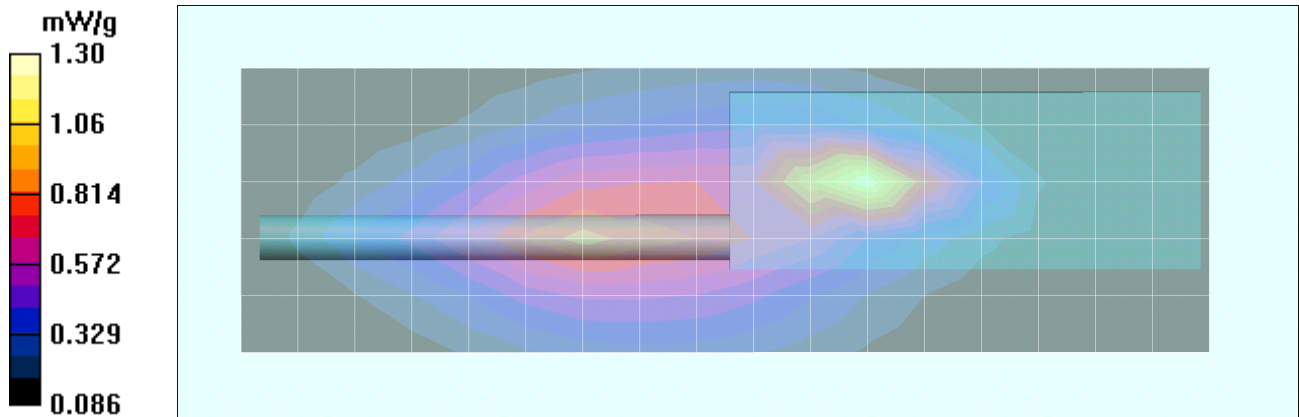
Reference Value = 30.1 V/m; Power Drift = -0.994 dB


Peak SAR (extrapolated) = 4.28 W/kg



SAR(1 g) = 1.35 mW/g; SAR(10 g) = 0.712 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Body SAR Plot B7

Date Tested: 09/14/2011

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

Ambient Temp: 23C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.803 \text{ mho/m}$; $\epsilon_r = 61.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

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

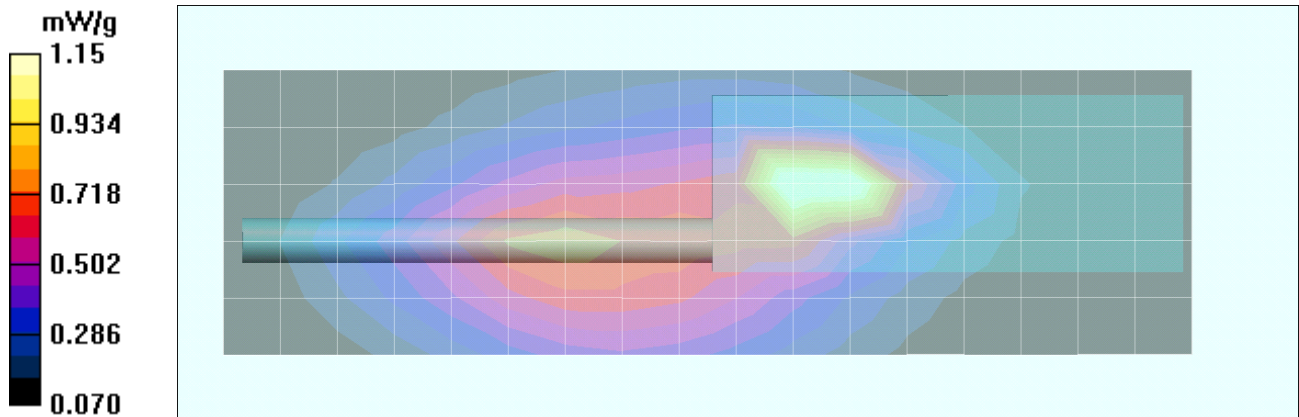
Reference Value = 27.8 V/m; Power Drift = -0.634 dB


Peak SAR (extrapolated) = 3.80 W/kg




SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.625 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.15 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Body SAR Plot B8

Date Tested: 09/14/2011

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

Ambient Temp: 23C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4$ MHz; $\sigma = 0.803$ mho/m; $\epsilon_r = 61.4$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

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

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

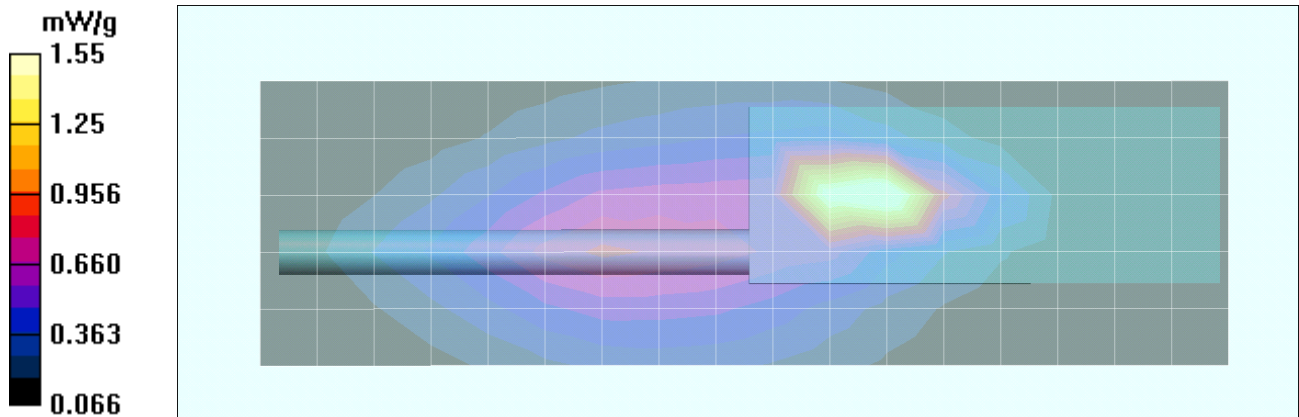
Reference Value = 28.0 V/m; Power Drift = -0.552 dB


Peak SAR (extrapolated) = 5.99 W/kg

SAR(1 g) = 1.66 mW/g; SAR(10 g) = 0.810 mW/g

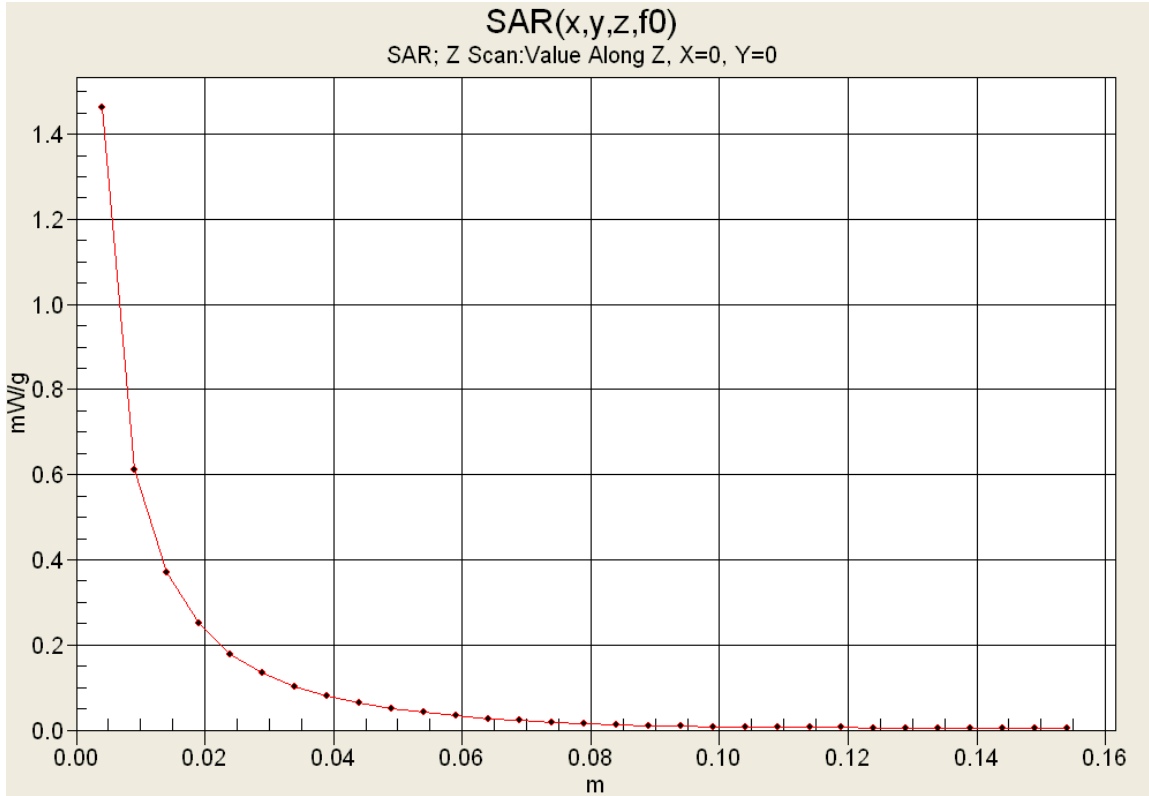
Info: Interpolated medium parameters used for SAR evaluation.

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

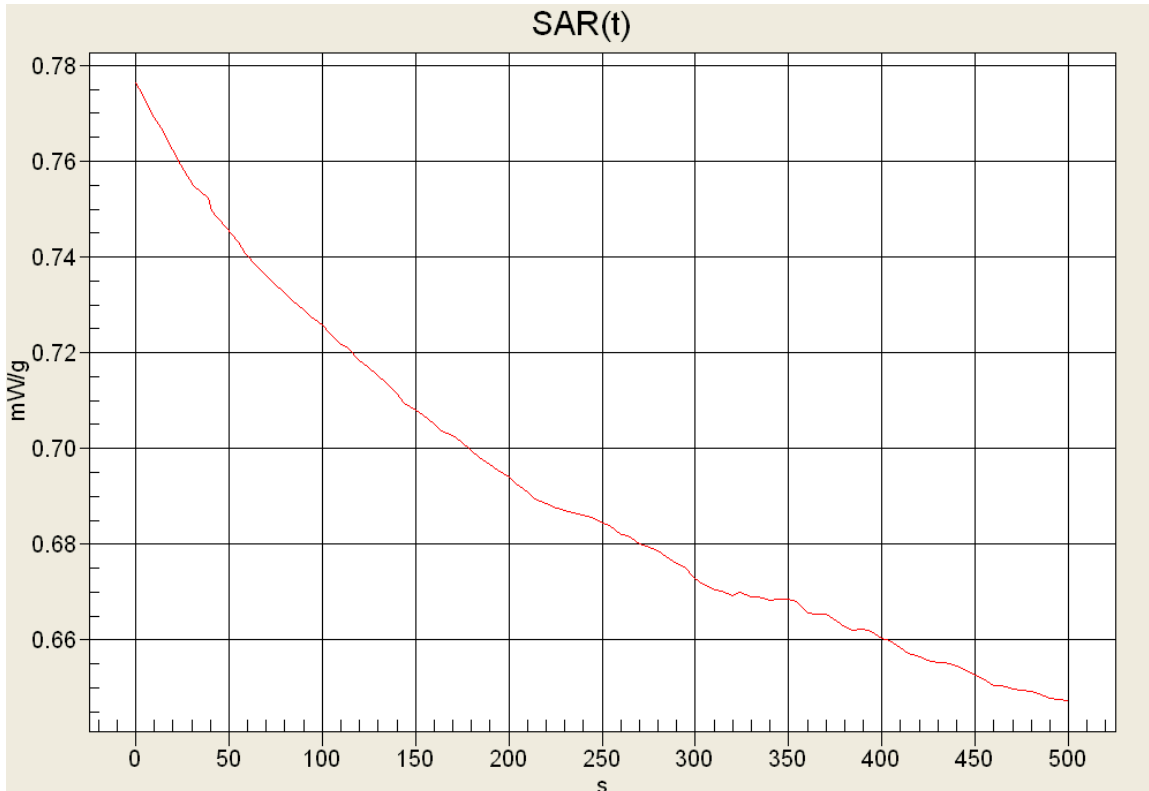




Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Z-Axis Scan



SAR-Versus-Time



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	<u>Test Report Issue Date</u> December 02, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B9

Date Tested: 09/14/2011

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

Ambient Temp: 23C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.803 \text{ mho/m}$; $\epsilon_r = 61.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.60 mW/g

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

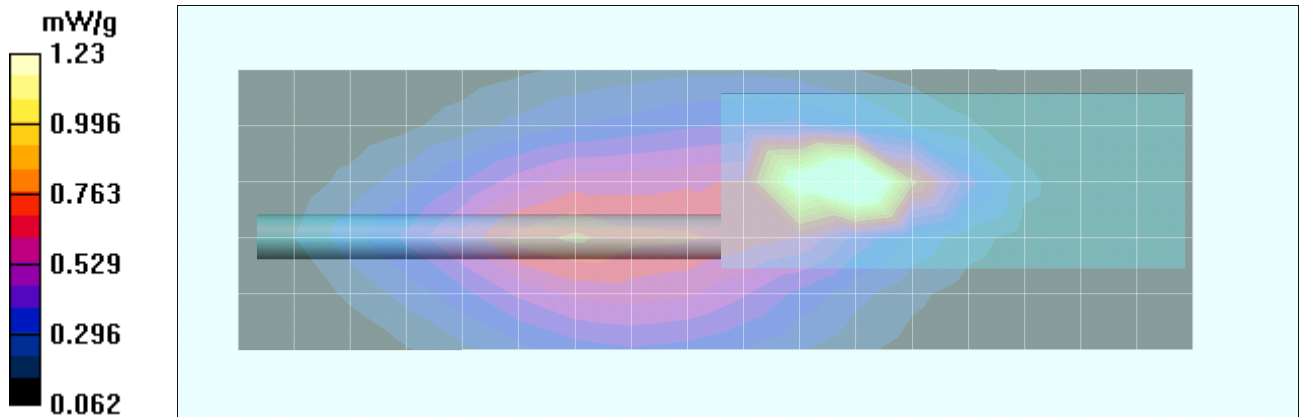
Reference Value = 28.2 V/m; Power Drift = -0.735 dB


Peak SAR (extrapolated) = 3.92 W/kg



SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.618 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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	<u>Date(s) of Evaluation</u> 09/14-19, 11/18, 2011	<u>Test Report Serial No.</u> 060111AQZ-T1102-S90V	<u>Test Report Revision No.</u> Rev. 1.2 (3rd Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> December 02, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B10

Date Tested: 09/16/2011

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

Ambient Temp: 23C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.793 \text{ mho/m}$; $\epsilon_r = 63.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.64 mW/g

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

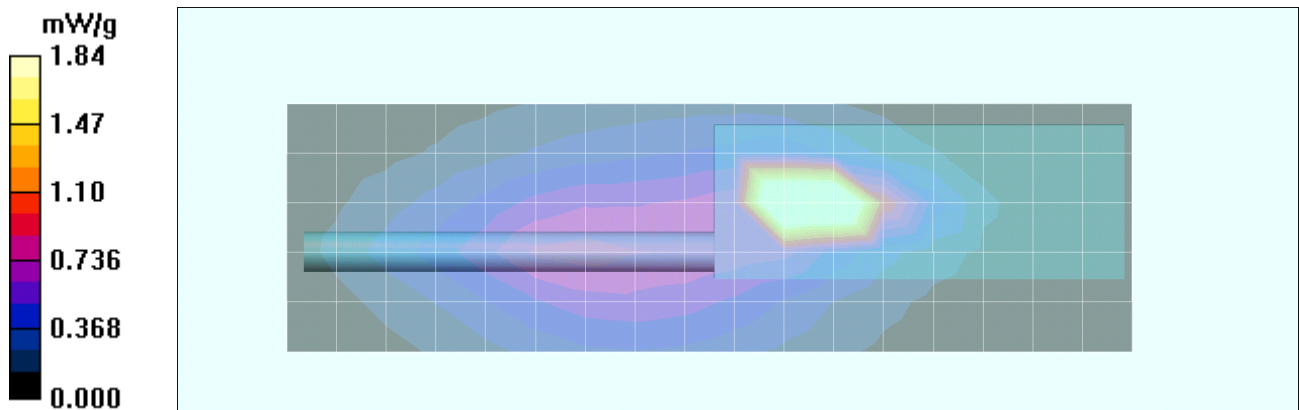
Reference Value = 29.7 V/m; Power Drift = -0.254 dB


Peak SAR (extrapolated) = 5.84 W/kg



SAR(1 g) = 1.89 mW/g; SAR(10 g) = 0.916 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.84 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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	<u>Test Report Issue Date</u> December 02, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B11

Date Tested: 09/14/2011

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

Ambient Temp: 23C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.77 \text{ mho/m}$; $\epsilon_r = 61.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

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

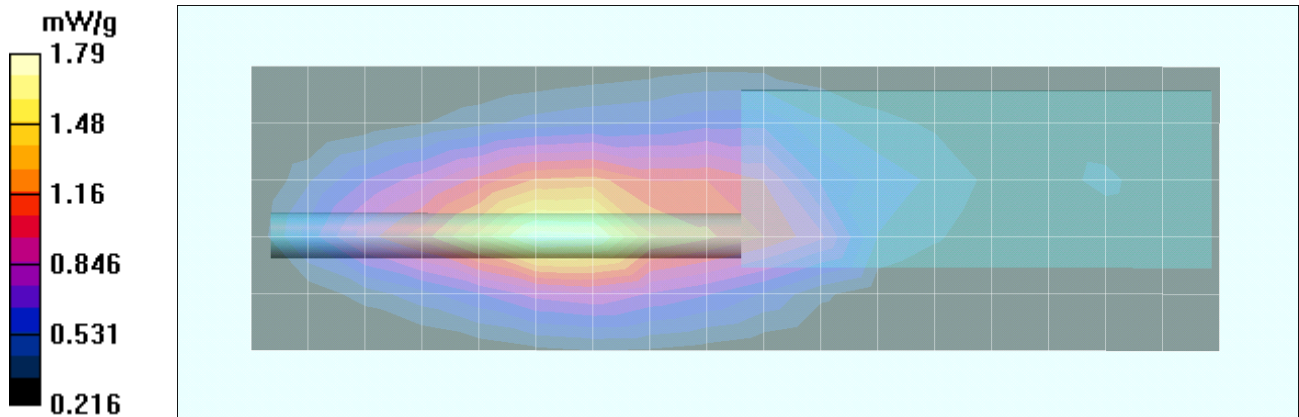
Reference Value = 35.8 V/m; Power Drift = -0.327 dB


Peak SAR (extrapolated) = 3.99 W/kg



SAR(1 g) = 1.8 mW/g; SAR(10 g) = 1.14 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.79 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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	<u>Test Report Issue Date</u> December 02, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B12

Date Tested: 09/14/2011

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

Ambient Temp: 23C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.77 \text{ mho/m}$; $\epsilon_r = 61.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

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

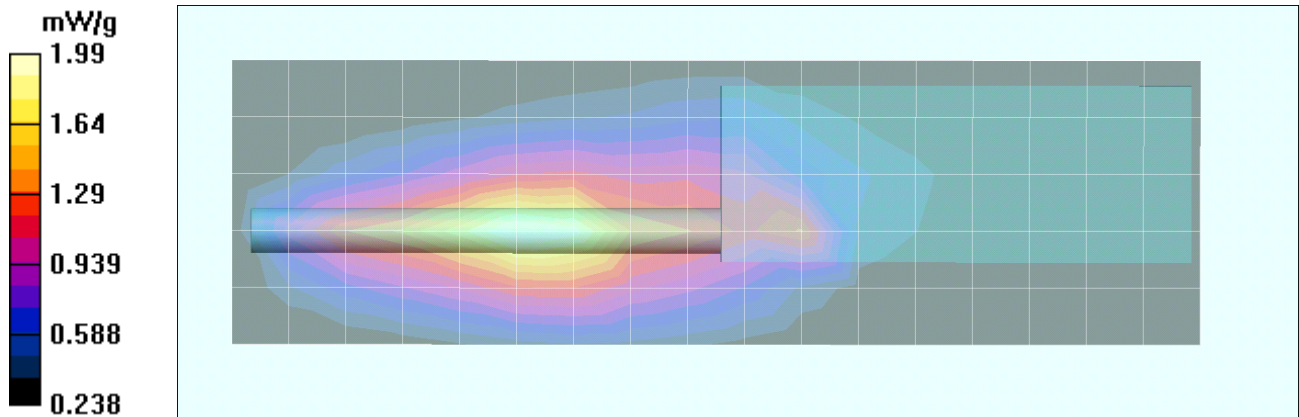
Reference Value = 37.0 V/m; Power Drift = -0.381 dB


Peak SAR (extrapolated) = 4.40 W/kg



SAR(1 g) = 1.97 mW/g; SAR(10 g) = 1.23 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.99 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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	<u>Test Report Issue Date</u> December 02, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B13

Date Tested: 09/14/2011

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

Ambient Temp: 23C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.77 \text{ mho/m}$; $\epsilon_r = 61.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

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

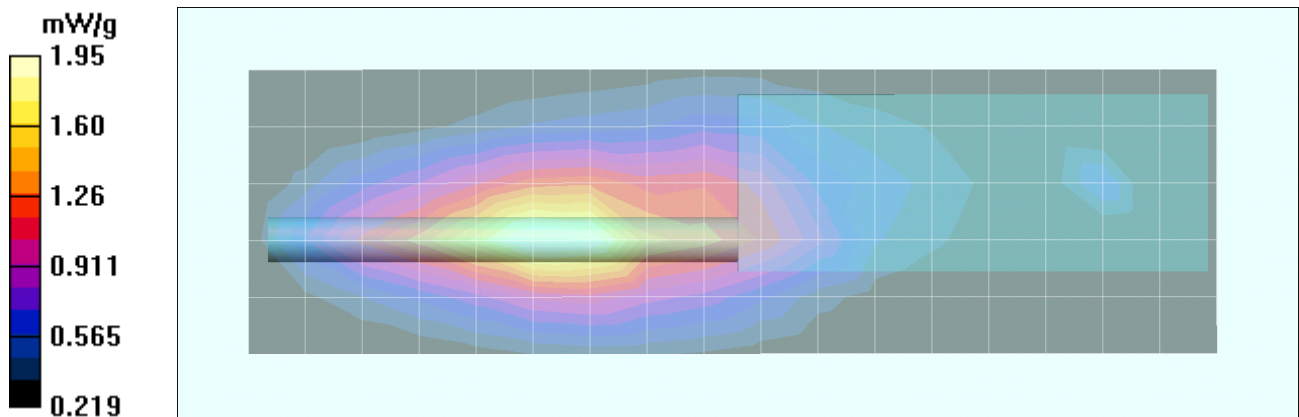
Reference Value = 35.9 V/m; Power Drift = -0.316 dB


Peak SAR (extrapolated) = 4.41 W/kg



SAR(1 g) = 1.96 mW/g; SAR(10 g) = 1.23 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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	<u>Test Report Issue Date</u> December 02, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B14

Date Tested: 09/14/2011

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

Ambient Temp: 23C; Fluid Temp: 22.8C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.77 \text{ mho/m}$; $\epsilon_r = 61.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.74 mW/g

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

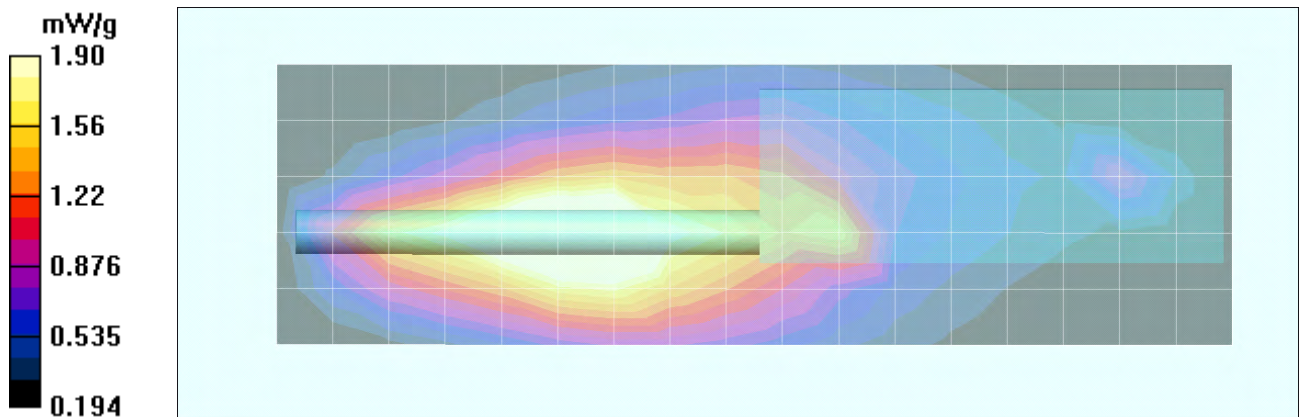
Reference Value = 37.4 V/m; Power Drift = -0.463 dB


Peak SAR (extrapolated) = 4.06 W/kg



SAR(1 g) = 1.87 mW/g; SAR(10 g) = 1.18 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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	<u>Test Report Issue Date</u> December 02, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B15

Date Tested: 09/15/2011

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

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.807 \text{ mho/m}$; $\epsilon_r = 61.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.905 mW/g

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

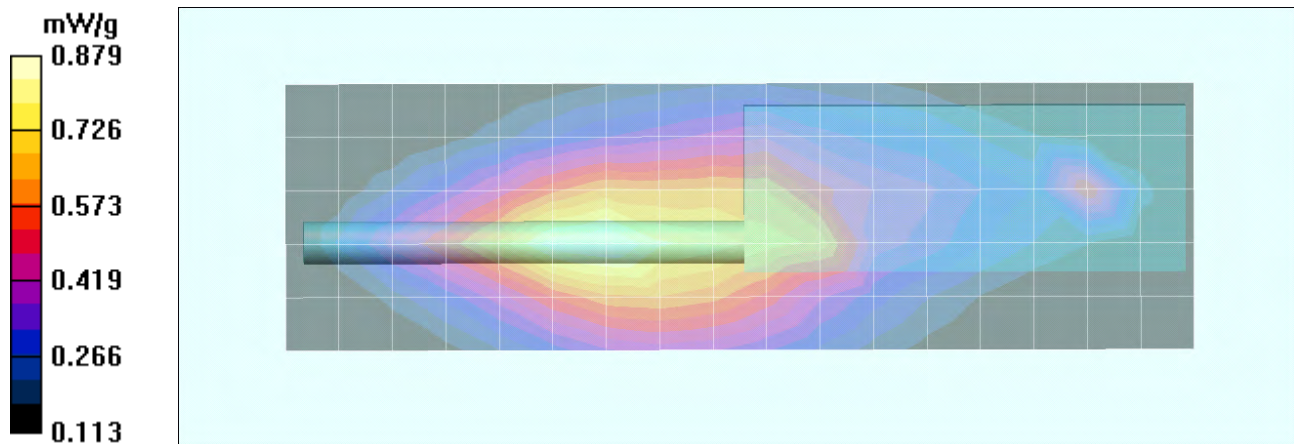
Reference Value = 29.3 V/m; Power Drift = -0.686 dB


Peak SAR (extrapolated) = 1.60 W/kg



SAR(1 g) = 0.849 mW/g; SAR(10 g) = 0.572 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.879 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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	<u>Test Report Issue Date</u> December 02, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B16

Date Tested: 09/15/2011

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

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.807 \text{ mho/m}$; $\epsilon_r = 61.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.920 mW/g

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

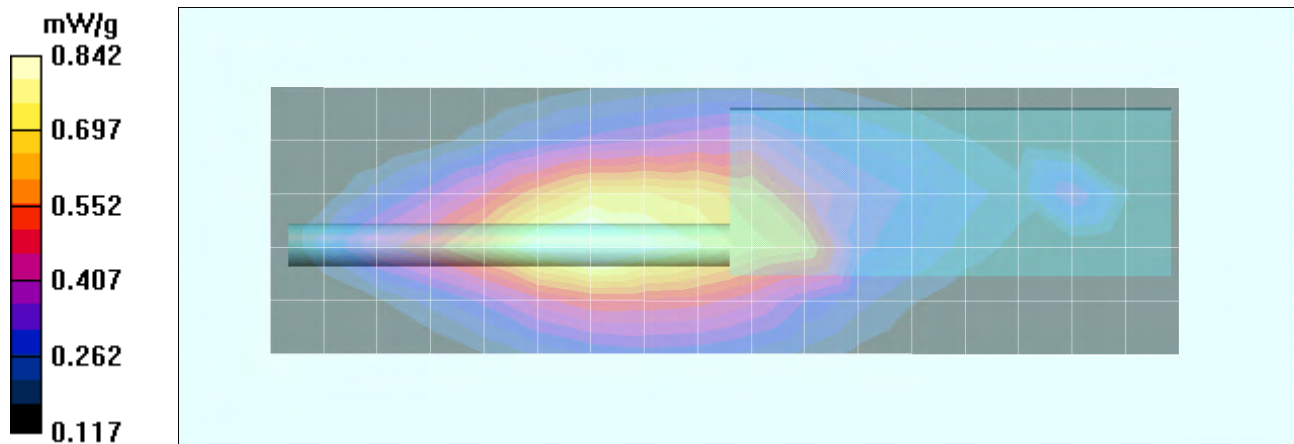
Reference Value = 28.1 V/m; Power Drift = -0.624 dB


Peak SAR (extrapolated) = 1.45 W/kg



SAR(1 g) = 0.819 mW/g; SAR(10 g) = 0.562 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.842 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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	<u>Test Report Issue Date</u> December 02, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B17

Date Tested: 09/15/2011

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

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.807 \text{ mho/m}$; $\epsilon_r = 61.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.932 mW/g

Zoom Scan 2 (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$

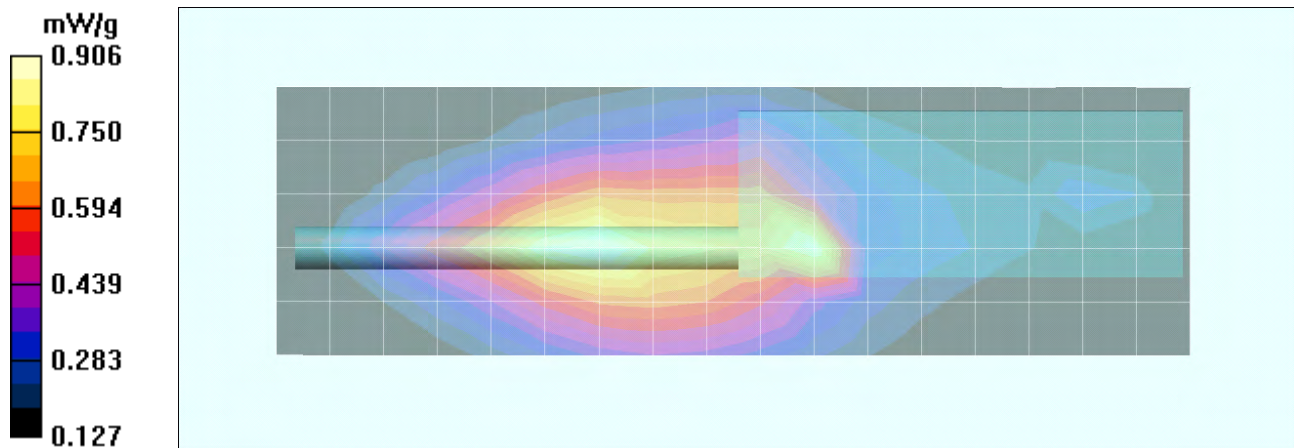
Reference Value = 29.1 V/m; Power Drift = -0.717 dB


Peak SAR (extrapolated) = 1.64 W/kg



SAR(1 g) = 0.867 mW/g; SAR(10 g) = 0.577 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.906 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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	<u>Test Report Issue Date</u> December 02, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B18

Date Tested: 09/15/2011

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

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.807 \text{ mho/m}$; $\epsilon_r = 61.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.881 mW/g

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

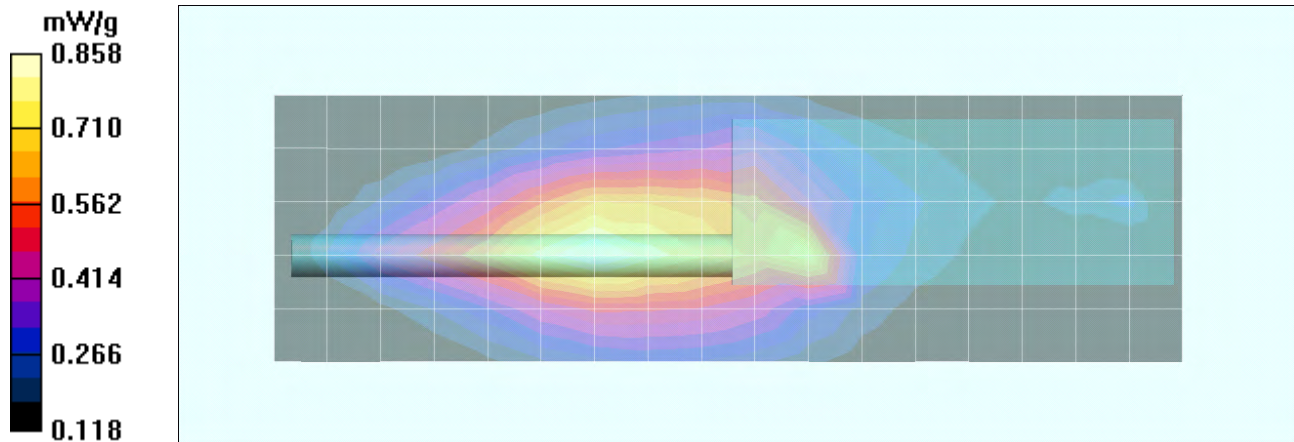
Reference Value = 28.3 V/m; Power Drift = -0.654 dB


Peak SAR (extrapolated) = 1.50 W/kg



SAR(1 g) = 0.822 mW/g; SAR(10 g) = 0.556 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.858 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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	<u>Test Report Issue Date</u> December 02, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B19

Date Tested: 09/15/2011

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

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.768 \text{ mho/m}$; $\epsilon_r = 64.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

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

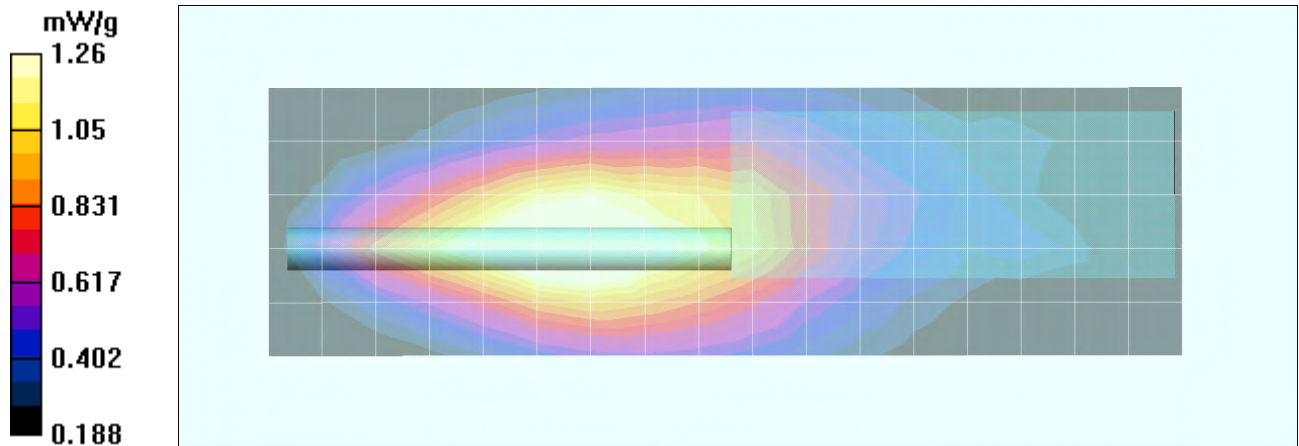
Reference Value = 32.4 V/m; Power Drift = -0.511 dB


Peak SAR (extrapolated) = 2.47 W/kg



SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.814 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Body SAR Plot B20

Date Tested: 09/15/2011

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

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.768 \text{ mho/m}$; $\epsilon_r = 64.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.54 mW/g

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

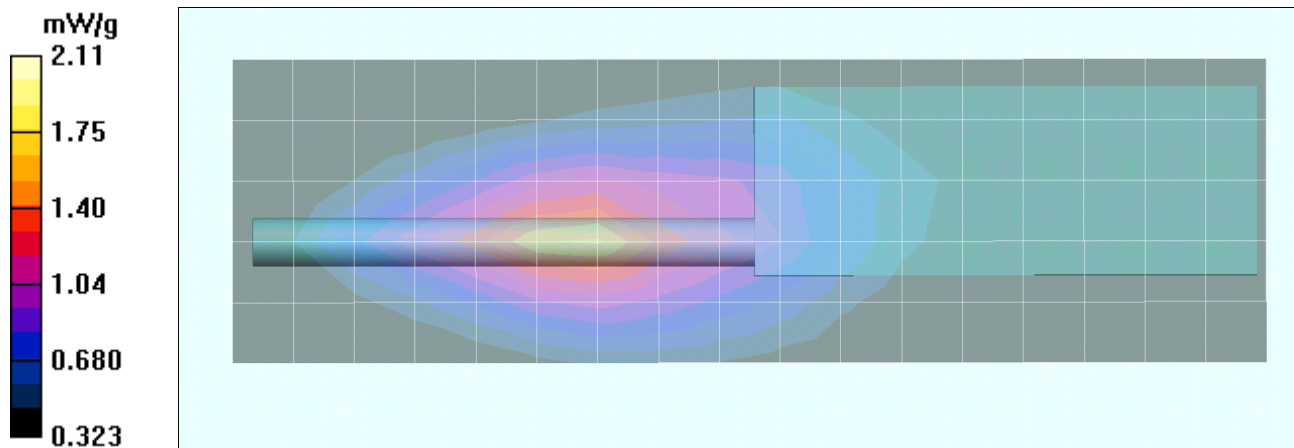
Reference Value = 47.6 V/m; Power Drift = -0.694 dB


Peak SAR (extrapolated) = 3.55 W/kg

SAR(1 g) = 2.05 mW/g; SAR(10 g) = 1.46 mW/g

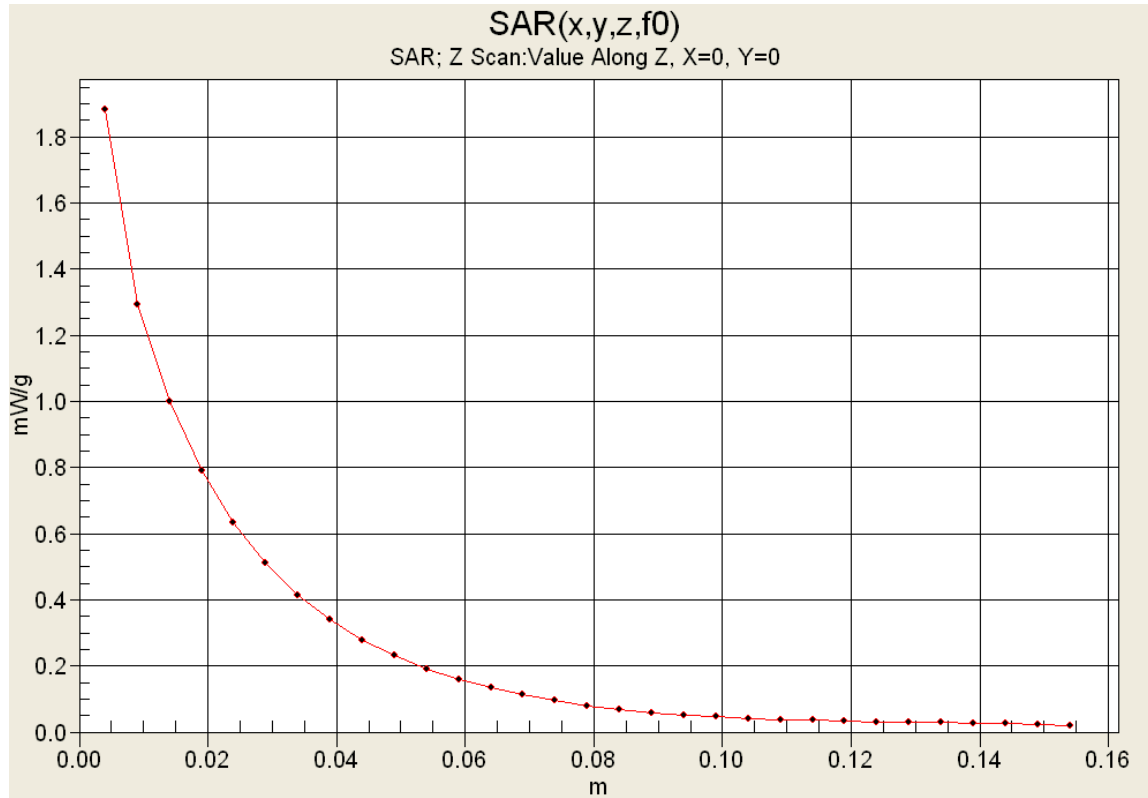
Info: Interpolated medium parameters used for SAR evaluation.



Maximum value of SAR (measured) = 2.11 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Z-Axis Scan



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Body SAR Plot B21

Date Tested: 09/15/2011

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

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.768 \text{ mho/m}$; $\epsilon_r = 64.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

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

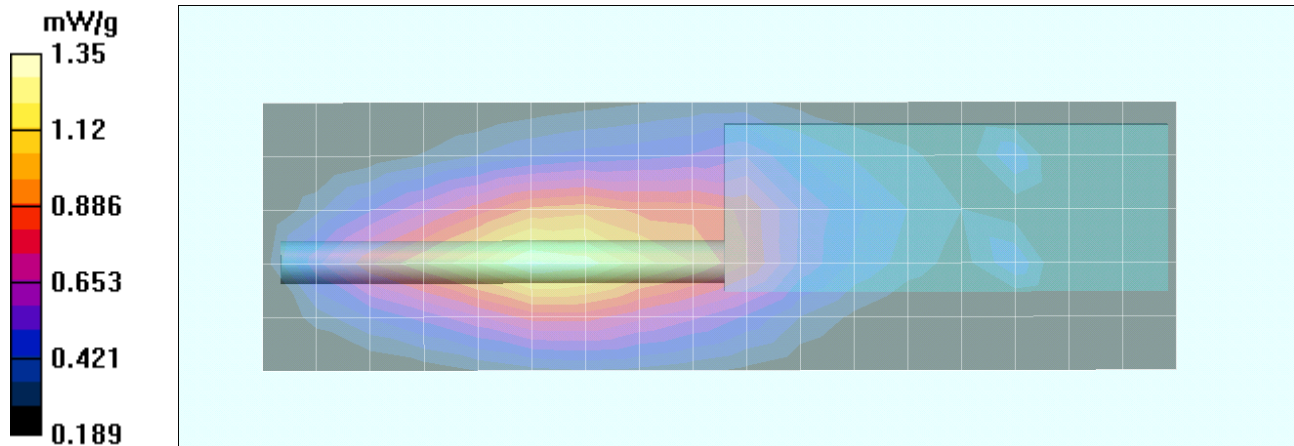
Reference Value = 32.7 V/m; Power Drift = -0.412 dB


Peak SAR (extrapolated) = 2.72 W/kg



SAR(1 g) = 1.33 mW/g; SAR(10 g) = 0.884 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Body SAR Plot B22

Date Tested: 09/15/2011

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

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.768 \text{ mho/m}$; $\epsilon_r = 64.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.50 mW/g

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

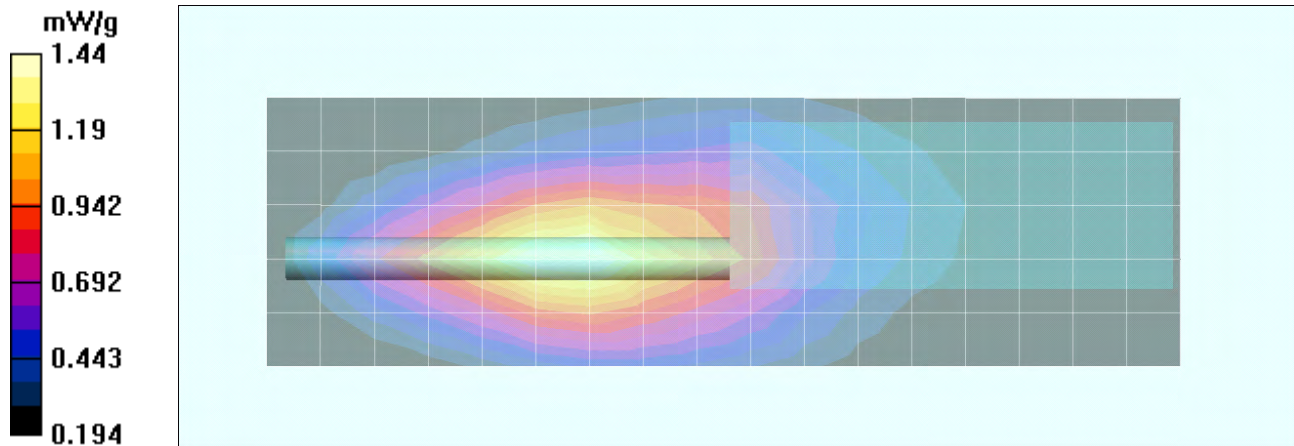
Reference Value = 34.1 V/m; Power Drift = -0.605 dB


Peak SAR (extrapolated) = 2.95 W/kg



SAR(1 g) = 1.42 mW/g; SAR(10 g) = 0.934 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Body SAR Plot B23

Date Tested: 09/15/2011

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

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.807 \text{ mho/m}$; $\epsilon_r = 61.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.649 mW/g

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

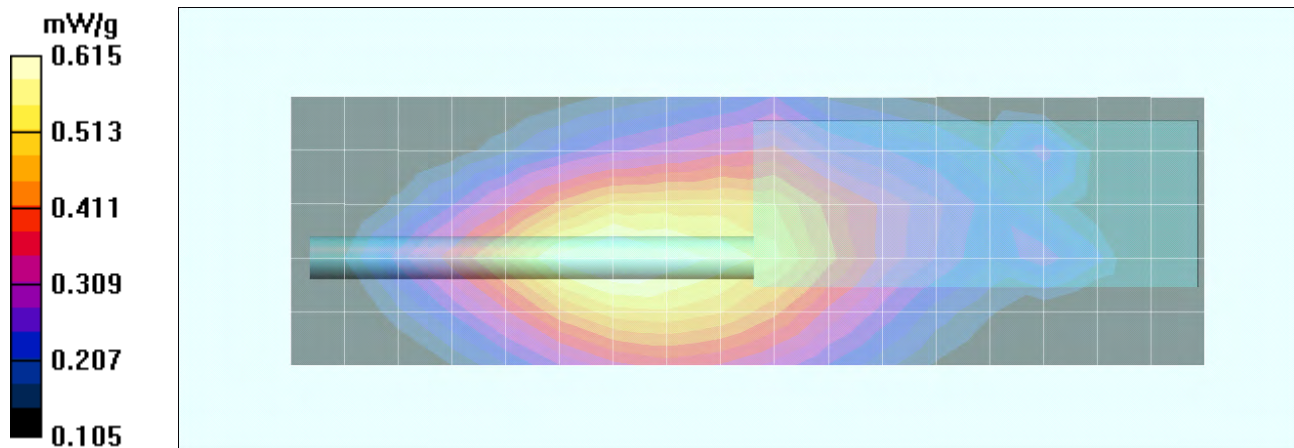
Reference Value = 25.6 V/m; Power Drift = -0.748 dB


Peak SAR (extrapolated) = 0.983 W/kg



SAR(1 g) = 0.590 mW/g; SAR(10 g) = 0.424 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.615 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Body SAR Plot B24

Date Tested: 09/15/2011

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

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4$ MHz; $\sigma = 0.807$ mho/m; $\epsilon_r = 61.4$; $\rho = 1000$ kg/m³

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: dx=20mm, dy=20mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.660 mW/g

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

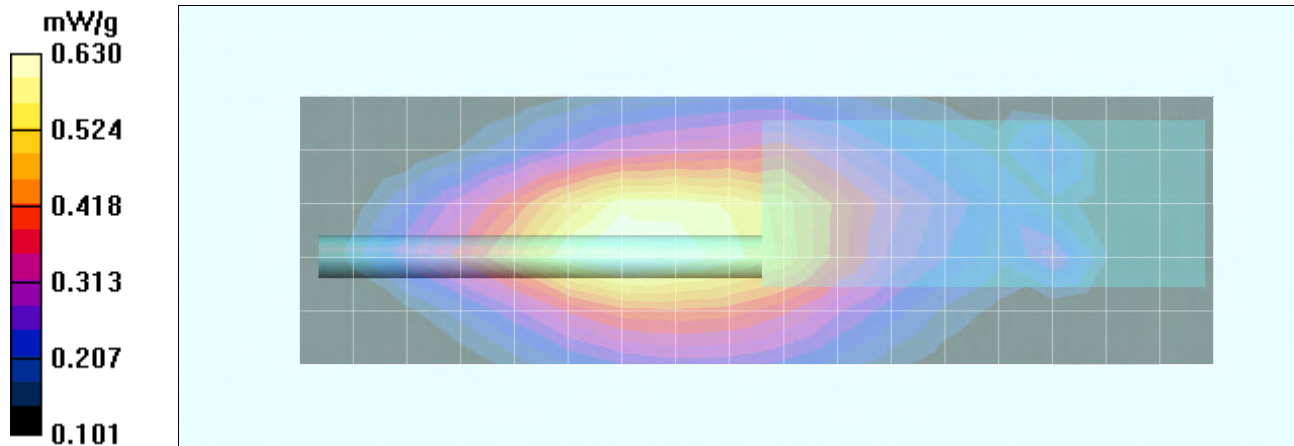
Reference Value = 25.5 V/m; Power Drift = -0.699 dB


Peak SAR (extrapolated) = 0.990 W/kg



SAR(1 g) = 0.609 mW/g; SAR(10 g) = 0.437 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.630 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Body SAR Plot B25

Date Tested: 09/15/2011

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

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.807 \text{ mho/m}$; $\epsilon_r = 61.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.650 mW/g

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

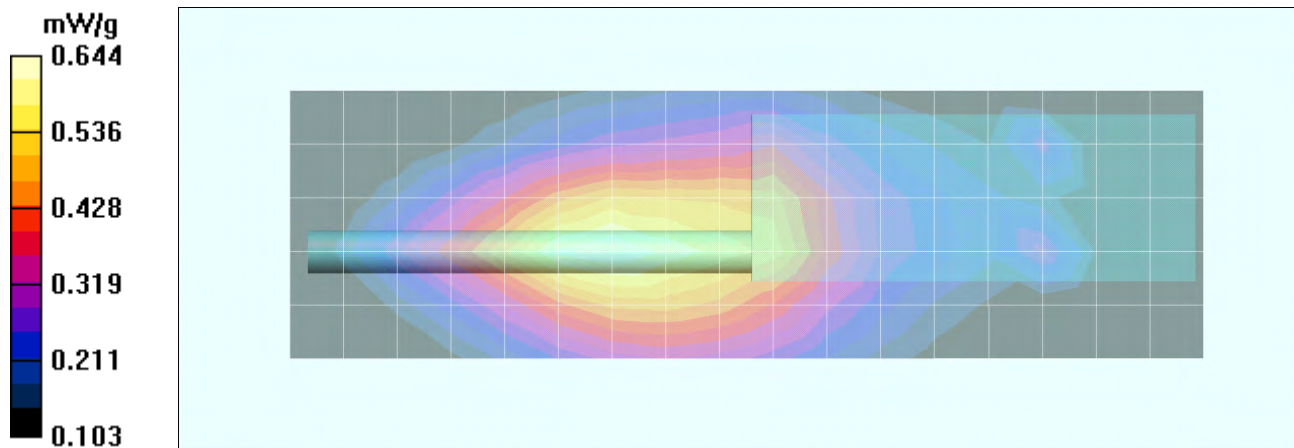
Reference Value = 25.9 V/m; Power Drift = -0.809 dB


Peak SAR (extrapolated) = 1.01 W/kg



SAR(1 g) = 0.619 mW/g; SAR(10 g) = 0.446 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.644 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Body SAR Plot B26

Date Tested: 09/15/2011

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

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.807 \text{ mho/m}$; $\epsilon_r = 61.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.644 mW/g

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

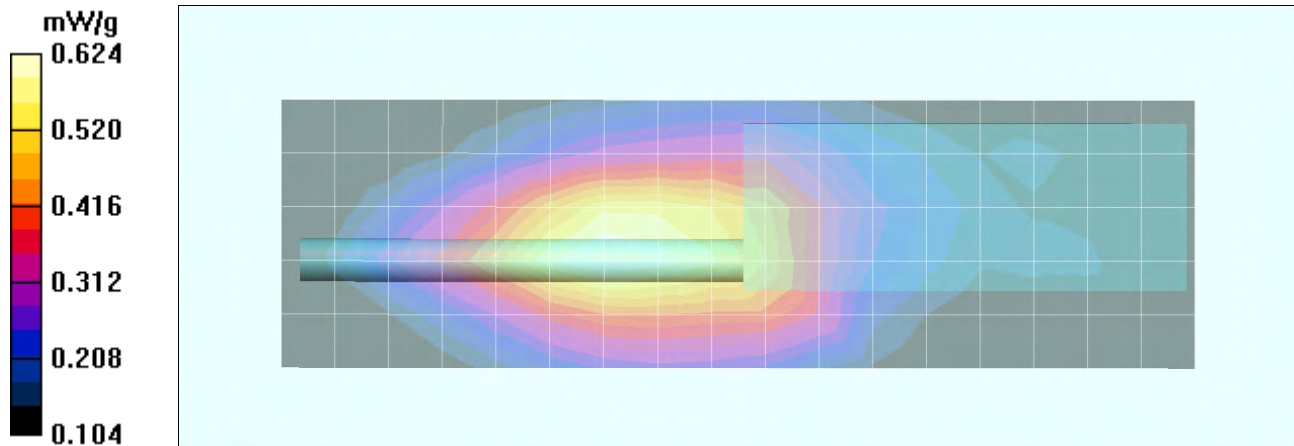
Reference Value = 25.8 V/m; Power Drift = -0.701 dB


Peak SAR (extrapolated) = 1.01 W/kg



SAR(1 g) = 0.601 mW/g; SAR(10 g) = 0.427 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.624 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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Body SAR Plot B27

Date Tested: 09/15/2011

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

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.768 \text{ mho/m}$; $\epsilon_r = 64.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.359 mW/g

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

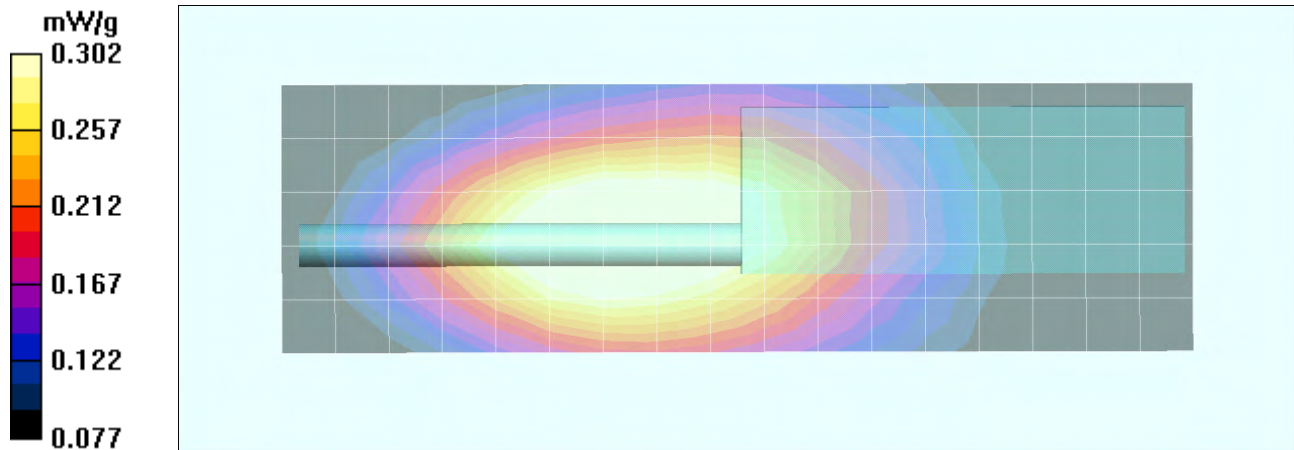
Reference Value = 19.1 V/m; Power Drift = -0.644 dB


Peak SAR (extrapolated) = 0.478 W/kg



SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.221 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.302 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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	<u>Test Report Issue Date</u> December 02, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B28

Date Tested: 09/15/2011

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

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.768 \text{ mho/m}$; $\epsilon_r = 64.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.458 mW/g

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

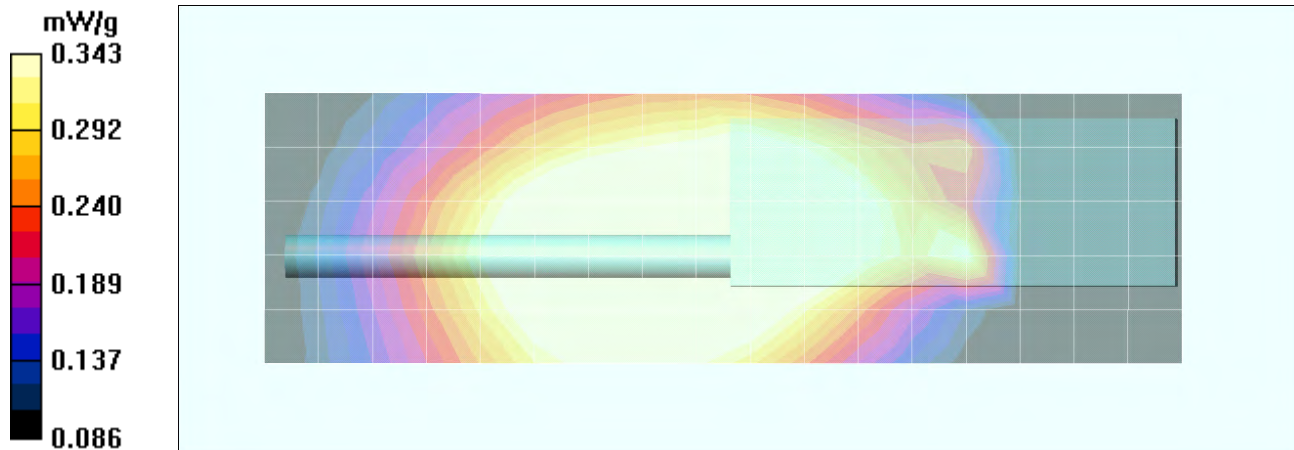
Reference Value = 21.5 V/m; Power Drift = -0.384 dB


Peak SAR (extrapolated) = 0.520 W/kg



SAR(1 g) = 0.333 mW/g; SAR(10 g) = 0.254 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.343 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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	<u>Test Report Issue Date</u> December 02, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B29

Date Tested: 09/15/2011

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

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.768 \text{ mho/m}$; $\epsilon_r = 64.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.600 mW/g

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

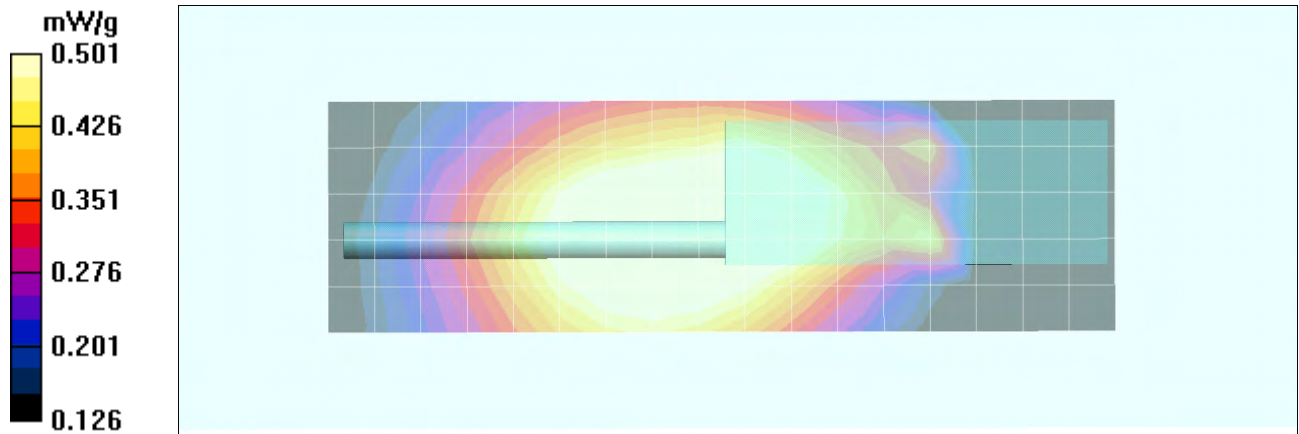
Reference Value = 25.1 V/m; Power Drift = -0.192 dB


Peak SAR (extrapolated) = 0.729 W/kg



SAR(1 g) = 0.487 mW/g; SAR(10 g) = 0.376 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.501 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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	<u>Test Report Issue Date</u> December 02, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B30

Date Tested: 09/16/2011

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

Ambient Temp: 23C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 138 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 138 \text{ MHz}$; $\sigma = 0.768 \text{ mho/m}$; $\epsilon_r = 63.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

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

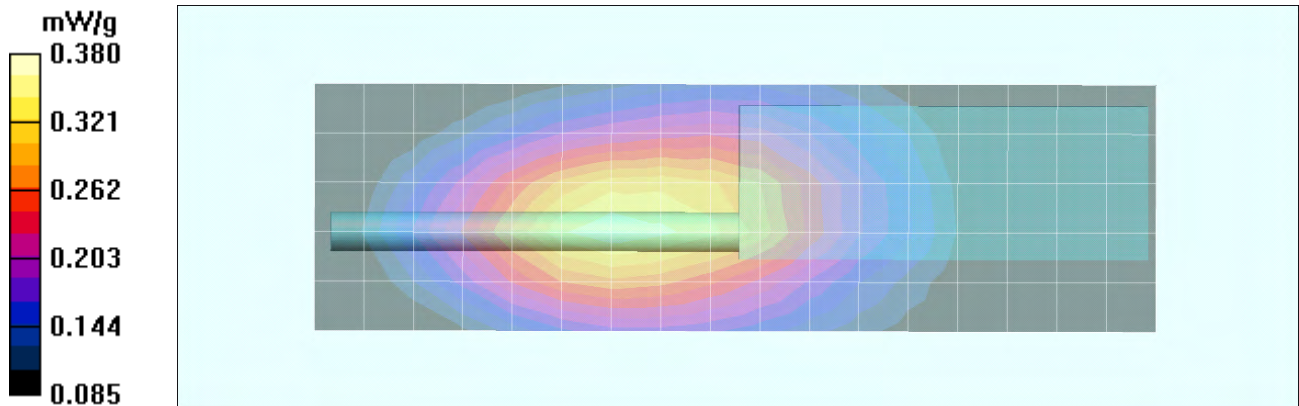
Reference Value = 21.8 V/m; Power Drift = -0.843 dB


Peak SAR (extrapolated) = 0.574 W/kg



SAR(1 g) = 0.370 mW/g; SAR(10 g) = 0.281 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.380 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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	<u>Test Report Issue Date</u> December 02, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B31

Date Tested: 09/16/2011

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

Ambient Temp: 23C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.793 \text{ mho/m}$; $\epsilon_r = 63.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

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

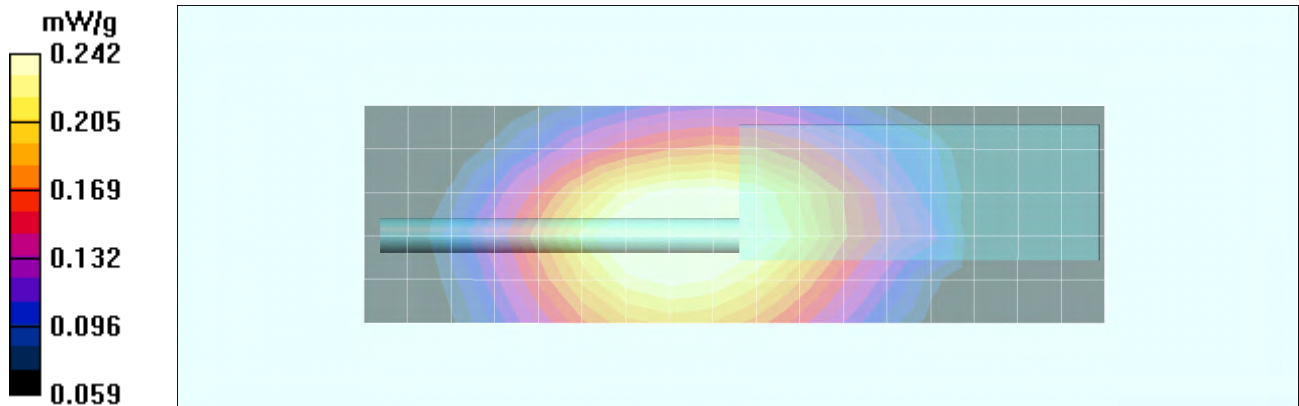
Reference Value = 18.1 V/m; Power Drift = -0.914 dB


Peak SAR (extrapolated) = 0.333 W/kg



SAR(1 g) = 0.232 mW/g; SAR(10 g) = 0.180 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.242 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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	<u>Test Report Issue Date</u> December 02, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B32

Date Tested: 09/16/2011

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

Ambient Temp: 23C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.793 \text{ mho/m}$; $\epsilon_r = 63.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.265 mW/g

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

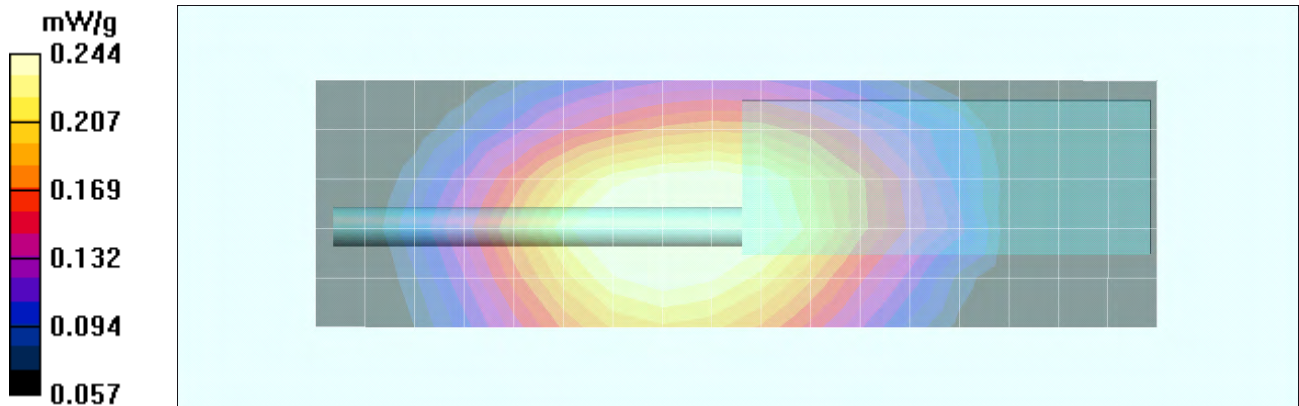
Reference Value = 18.1 V/m; Power Drift = -1.16 dB


Peak SAR (extrapolated) = 0.329 W/kg




SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.179 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.244 mW/g



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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	<u>Test Report Issue Date</u> December 02, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B33

Date Tested: 09/16/2011

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

Ambient Temp: 23C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.793 \text{ mho/m}$; $\epsilon_r = 63.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.236 mW/g

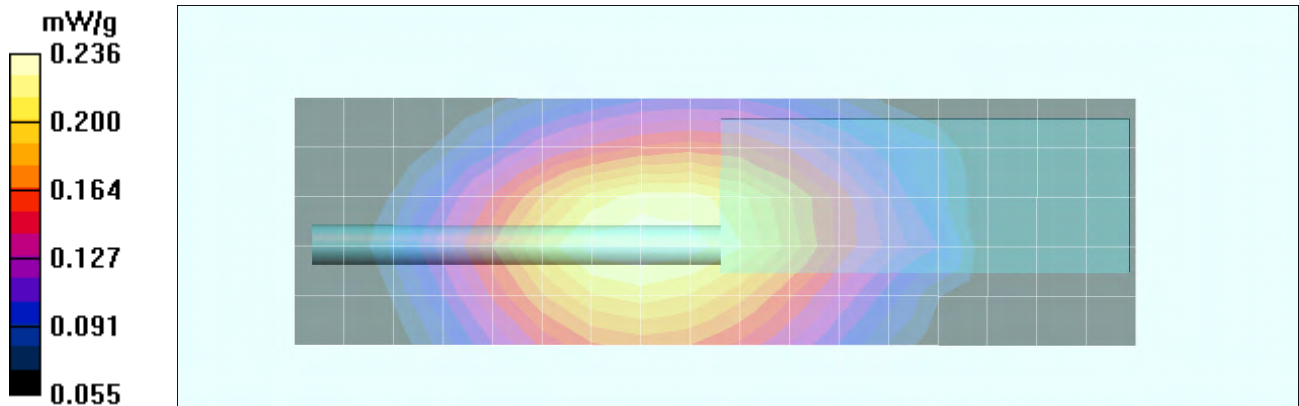
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$


Reference Value = 17.4 V/m; Power Drift = -0.894 dB



Peak SAR (extrapolated) = 0.322 W/kg

SAR(1 g) = 0.225 mW/g; SAR(10 g) = 0.173 mW/g

Info: Interpolated medium parameters used for SAR evaluation.



Applicant:	HARRIS Corporation	FCC ID:	AQZ-XG-100P00	IC:	122D-XG100P00	
DUT Type:	Portable Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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	<u>Test Report Issue Date</u> December 02, 2011	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B34

Date Tested: 09/16/2011

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

Ambient Temp: 23C; Fluid Temp: 22.2C; Barometric Pressure: 101.1 kPa; Humidity: 33%

Communication System: CW

Frequency: 173.4 MHz; Duty Cycle: 1:1

Medium: M150 Medium parameters used (interpolated): $f = 173.4 \text{ MHz}$; $\sigma = 0.793 \text{ mho/m}$; $\epsilon_r = 63.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(8.3, 8.3, 8.3); Calibrated: 22/06/2011
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 27/04/2010
- Phantom: Side Planar; Type: Plexiglas; Serial: 161
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

Area Scan (6x18x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

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

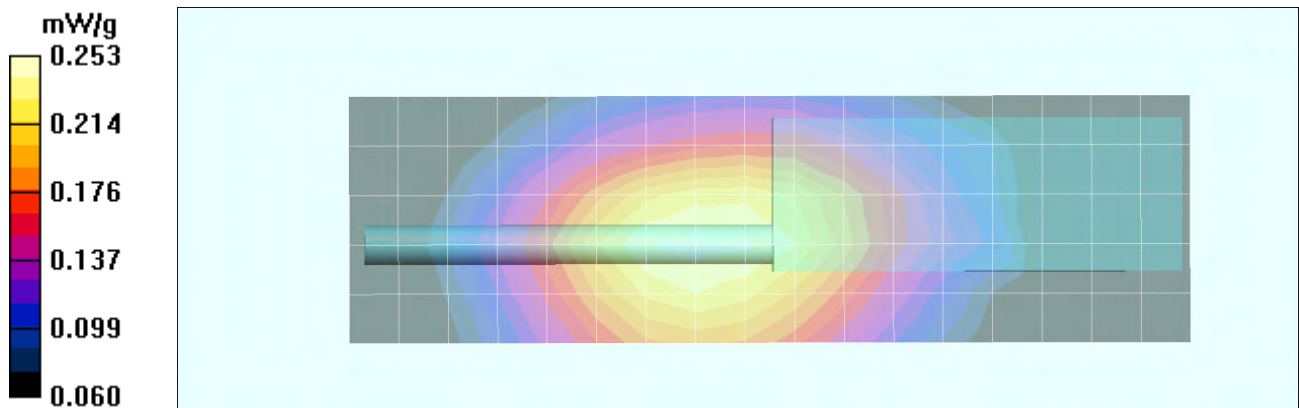
Reference Value = 18.1 V/m; Power Drift = -0.964 dB


Peak SAR (extrapolated) = 0.342 W/kg

SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.187 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 Multi-band PTT Radio Transceiver	Model:	Unity XG-100P	VHF Band 138-174 MHz		
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