

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

APPENDIX A - SAR MEASUREMENT PLOTS

Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 44 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Face SAR Plot F1

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 776 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 776 \text{ MHz}$; $\sigma = 0.841 \text{ mho/m}$; $\epsilon_r = 42.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.77, 6.77, 6.77); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Side Planar; Type: Plexiglass; Serial: 161
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.18 mW/g

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

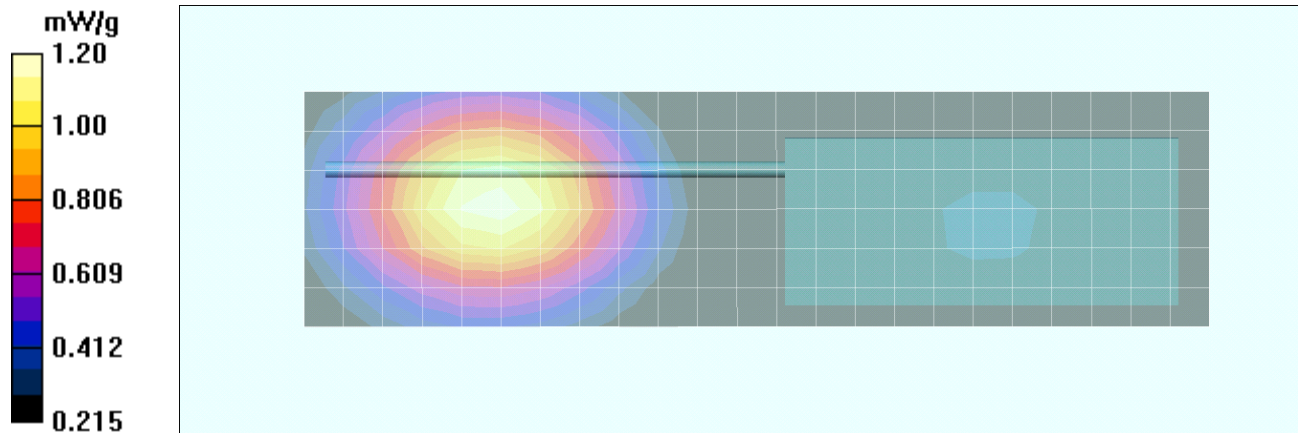
Reference Value = 10.4 V/m; Power Drift = -0.272 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.862 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.20 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 45 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F2

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.85 \text{ mho/m}$; $\epsilon_r = 42.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.77, 6.77, 6.77); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Side Planar; Type: Plexiglass; Serial: 161
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.24 mW/g

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

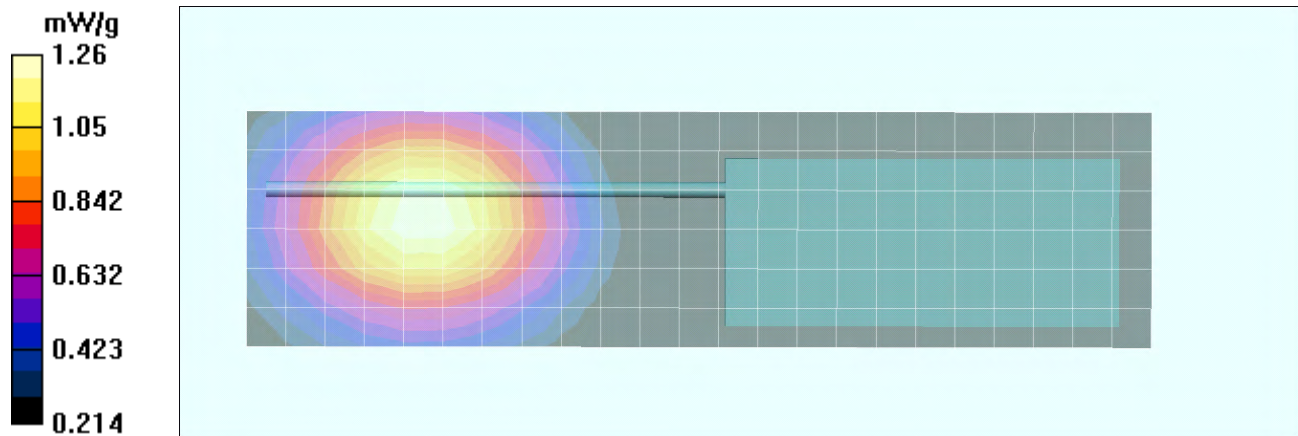
Reference Value = 9.15 V/m; Power Drift = -0.463 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.905 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 46 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Face SAR Plot F3

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.77, 6.77, 6.77); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Side Planar; Type: Plexiglass; Serial: 161
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.29 mW/g

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

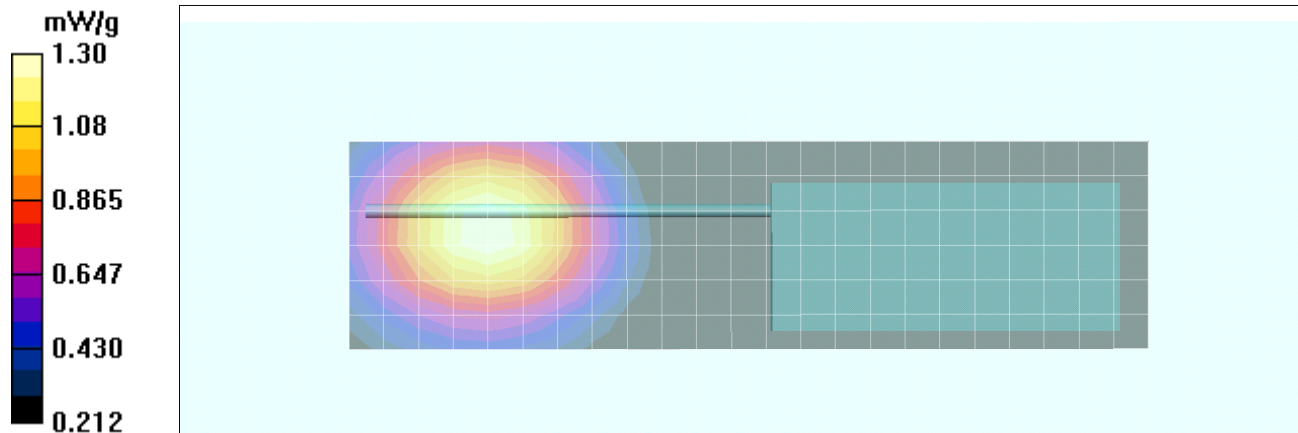
Reference Value = 5.75 V/m; Power Drift = -0.620 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 1.23 mW/g; SAR(10 g) = 0.922 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 47 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F4

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.924 \text{ mho/m}$; $\epsilon_r = 41.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.77, 6.77, 6.77); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Side Planar; Type: Plexiglass; Serial: 161
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 0.794 mW/g

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

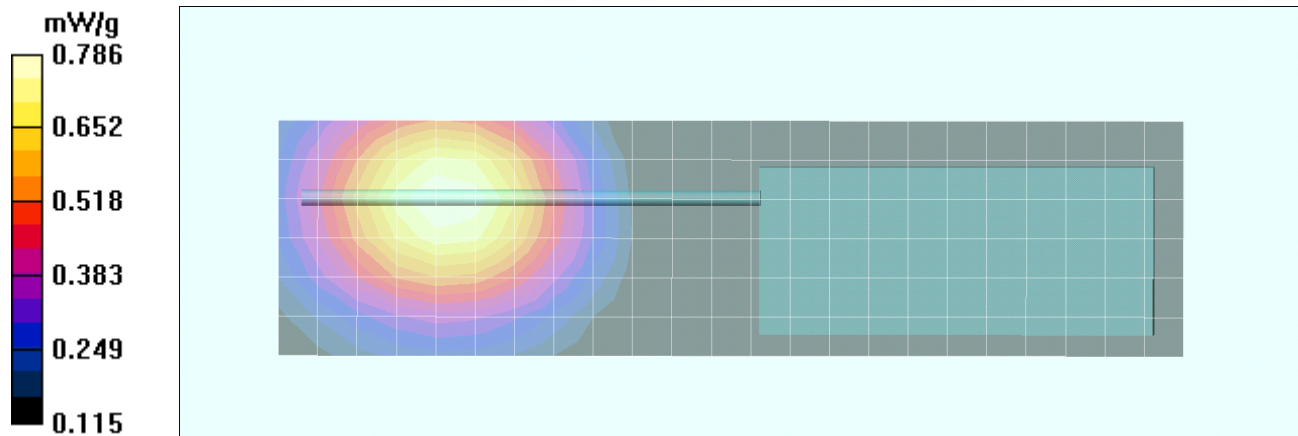
Reference Value = 6.08 V/m; Power Drift = -0.304 dB

Peak SAR (extrapolated) = 0.938 W/kg

SAR(1 g) = 0.742 mW/g; SAR(10 g) = 0.551 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.786 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 48 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Face SAR Plot F5

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 776 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 776 \text{ MHz}$; $\sigma = 0.841 \text{ mho/m}$; $\epsilon_r = 42.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.77, 6.77, 6.77); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Side Planar; Type: Plexiglass; Serial: 161
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 3.16 mW/g

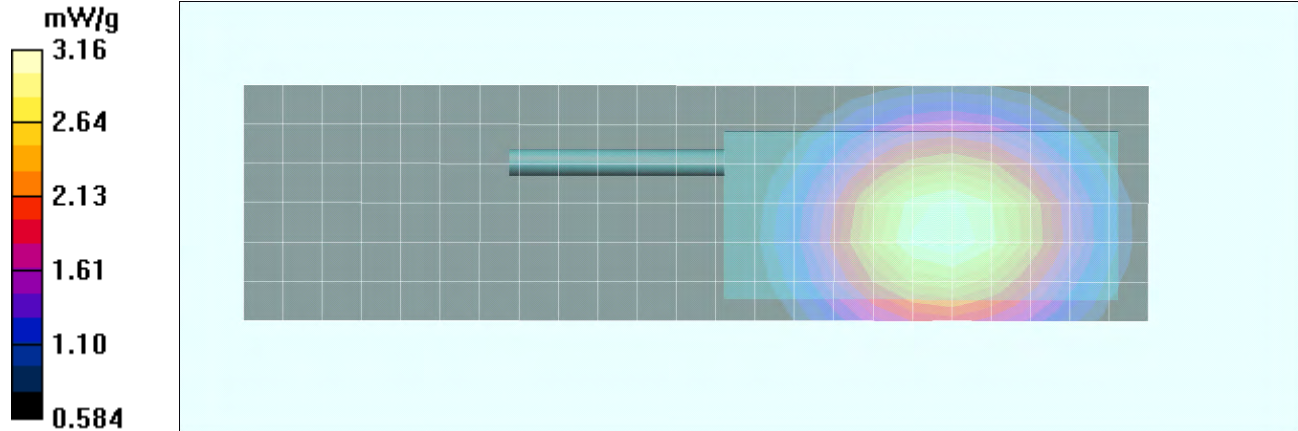
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.6 V/m; Power Drift = -0.057 dB

Peak SAR (extrapolated) = 3.70 W/kg

SAR(1 g) = 3.01 mW/g; SAR(10 g) = 2.29 mW/g

Info: Interpolated medium parameters used for SAR evaluation.



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 49 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F6

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.85 \text{ mho/m}$; $\epsilon_r = 42.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.77, 6.77, 6.77); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Side Planar; Type: Plexiglass; Serial: 161
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Info: Interpolated medium parameters used for SAR evaluation.

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

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

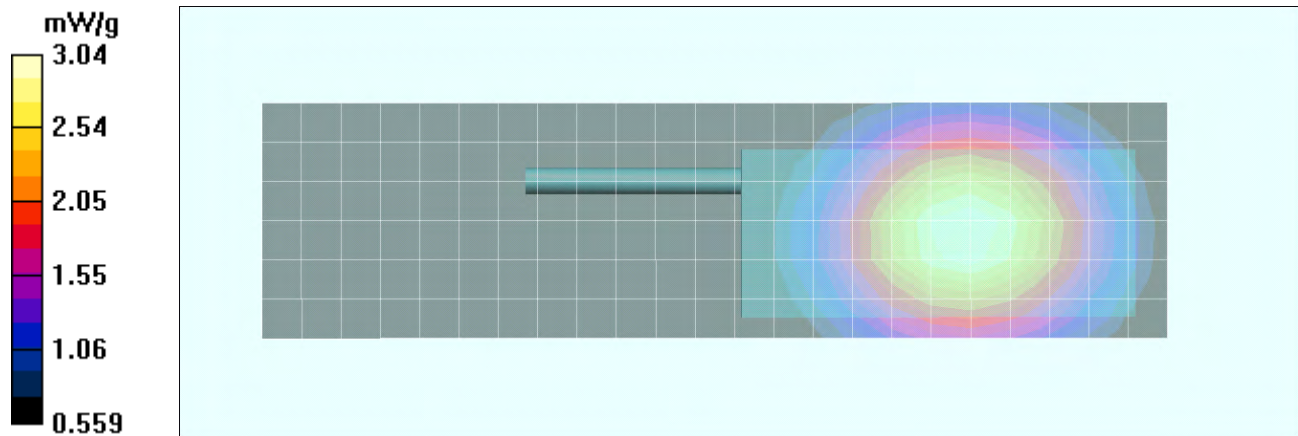
Reference Value = 27.2 V/m; Power Drift = -0.079 dB

Peak SAR (extrapolated) = 3.56 W/kg

SAR(1 g) = 2.89 mW/g; SAR(10 g) = 2.2 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.04 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 50 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Face SAR Plot F7

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.77, 6.77, 6.77); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Side Planar; Type: Plexiglass; Serial: 161
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 3.17 mW/g

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

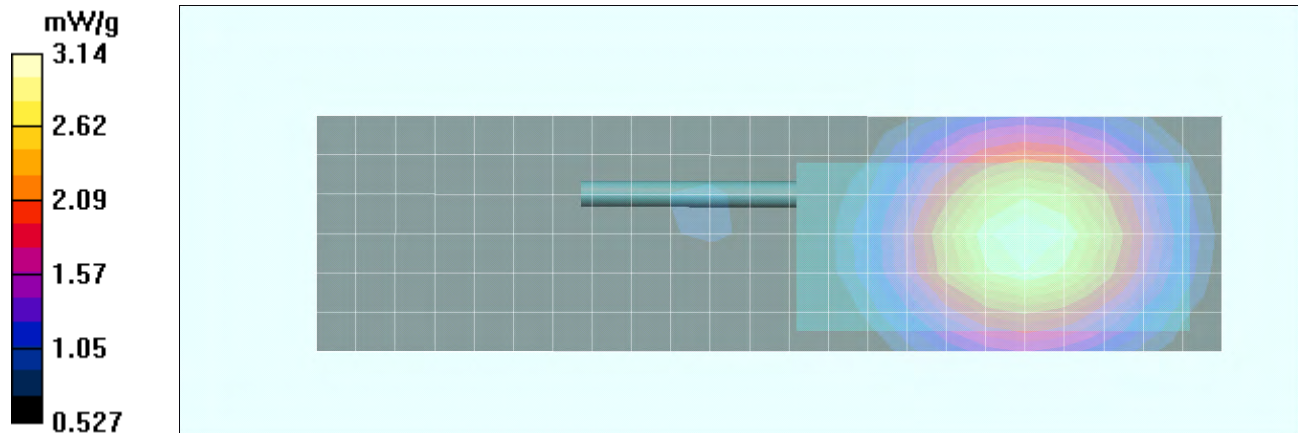
Reference Value = 26.9 V/m ; Power Drift = -0.155 dB

Peak SAR (extrapolated) = 3.74 W/kg

SAR(1 g) = 2.97 mW/g ; SAR(10 g) = 2.22 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.14 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 51 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F8

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 0.924 \text{ mho/m}$; $\epsilon_r = 41.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.77, 6.77, 6.77); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Side Planar; Type: Plexiglass; Serial: 161
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 2.04 mW/g

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

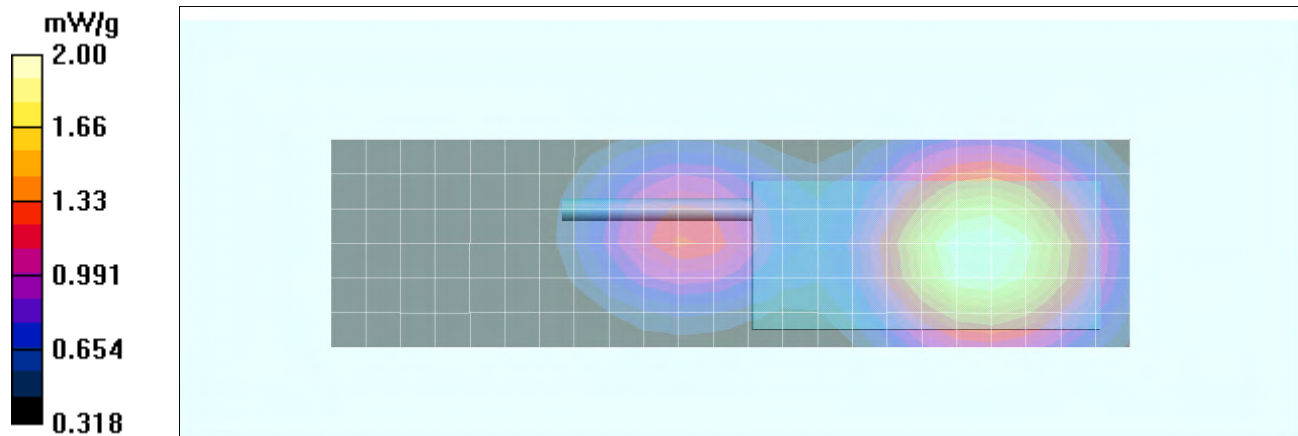
Reference Value = 32.7 V/m; Power Drift = -0.330 dB

Peak SAR (extrapolated) = 2.38 W/kg

SAR(1 g) = 1.9 mW/g; SAR(10 g) = 1.41 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.00 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 52 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F9

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 776 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 776 \text{ MHz}$; $\sigma = 0.841 \text{ mho/m}$; $\epsilon_r = 42.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.77, 6.77, 6.77); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Side Planar; Type: Plexiglass; Serial: 161
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Info: Interpolated medium parameters used for SAR evaluation.

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

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

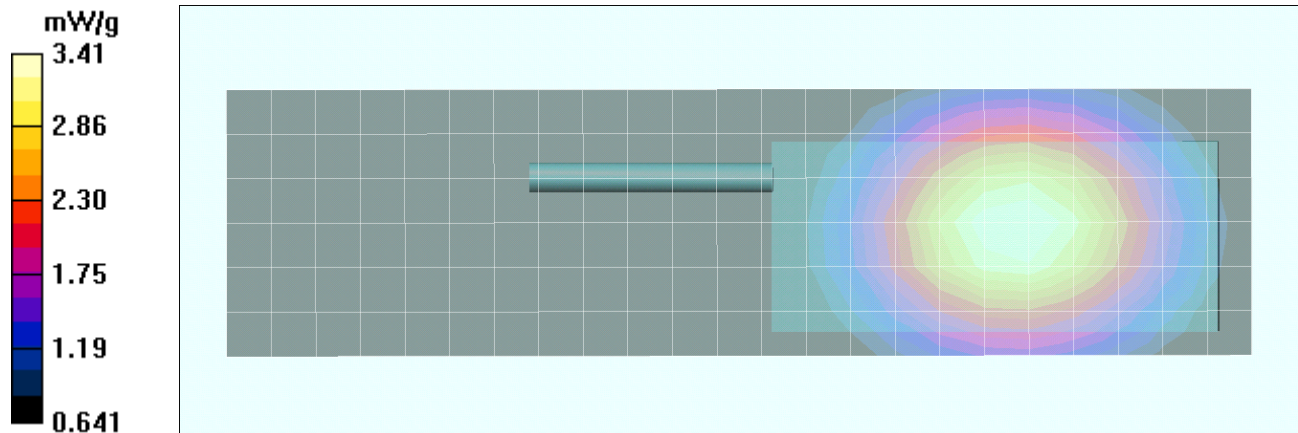
Reference Value = 28.0 V/m ; Power Drift = -0.168 dB

Peak SAR (extrapolated) = 3.99 W/kg

SAR(1 g) = 3.25 mW/g ; SAR(10 g) = 2.47 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.41 mW/g

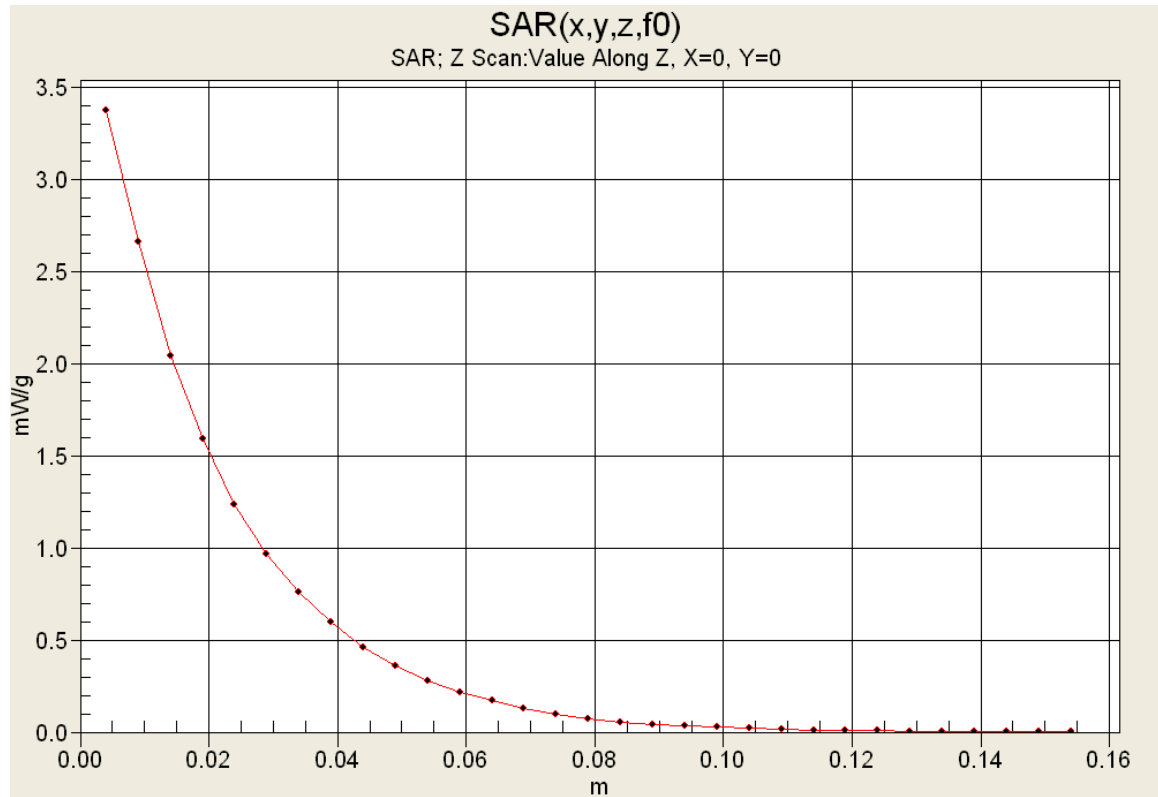


Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 53 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Z-Axis Scan



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 54 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F10

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 776 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 776 \text{ MHz}$; $\sigma = 0.841 \text{ mho/m}$; $\epsilon_r = 42.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.77, 6.77, 6.77); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Side Planar; Type: Plexiglass; Serial: 161
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 3.10 mW/g

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

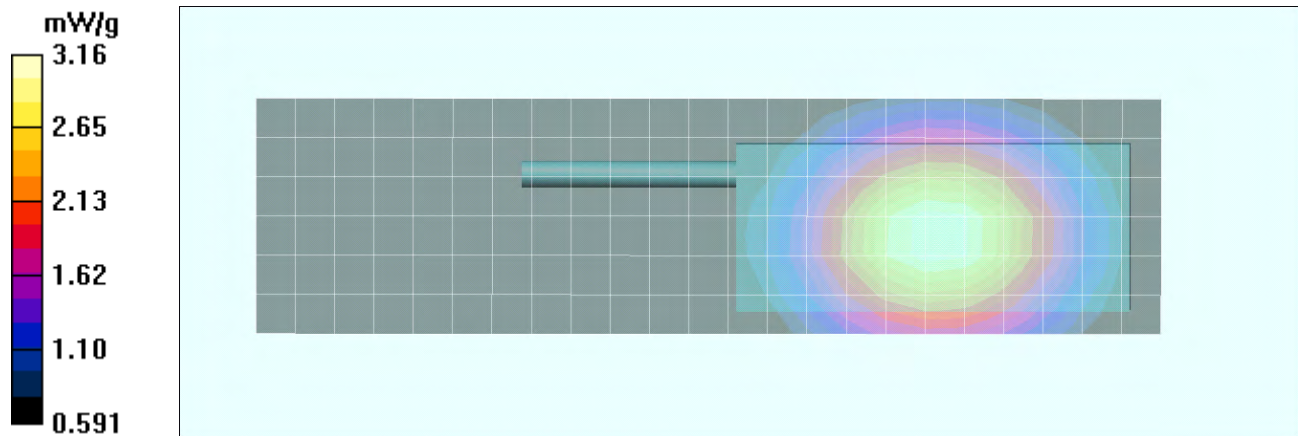
Reference Value = 29.7 V/m; Power Drift = -0.151 dB

Peak SAR (extrapolated) = 3.70 W/kg

SAR(1 g) = 3 mW/g; SAR(10 g) = 2.28 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.16 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 55 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F11

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 776 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 776 \text{ MHz}$; $\sigma = 0.841 \text{ mho/m}$; $\epsilon_r = 42.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.77, 6.77, 6.77); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Side Planar; Type: Plexiglass; Serial: 161
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 3.22 mW/g

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

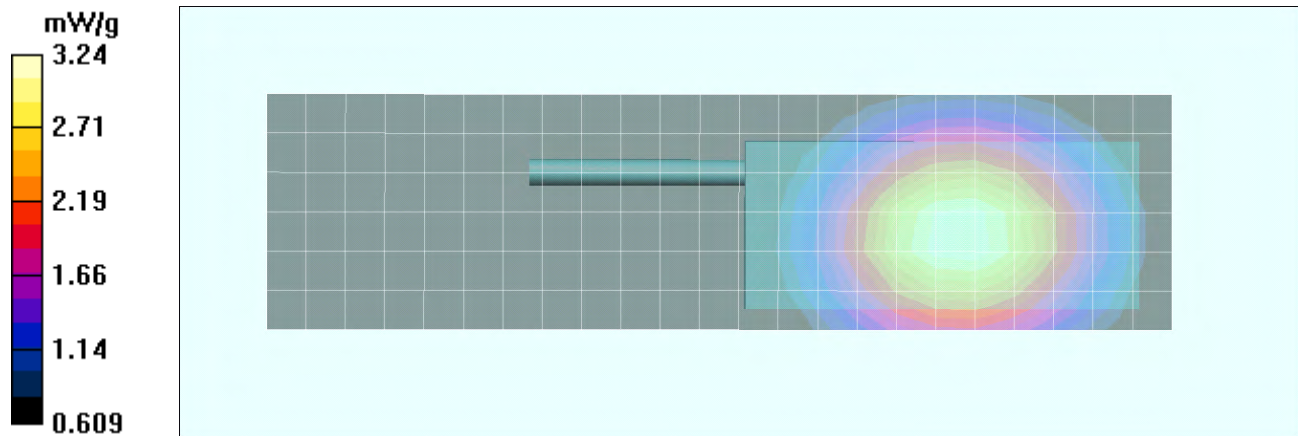
Reference Value = 27.1 V/m; Power Drift = -0.190 dB

Peak SAR (extrapolated) = 3.78 W/kg

SAR(1 g) = 3.08 mW/g; SAR(10 g) = 2.35 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.24 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 56 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Face SAR Plot F12

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.77, 6.77, 6.77); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Side Planar; Type: Plexiglass; Serial: 161
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 3.02 mW/g

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

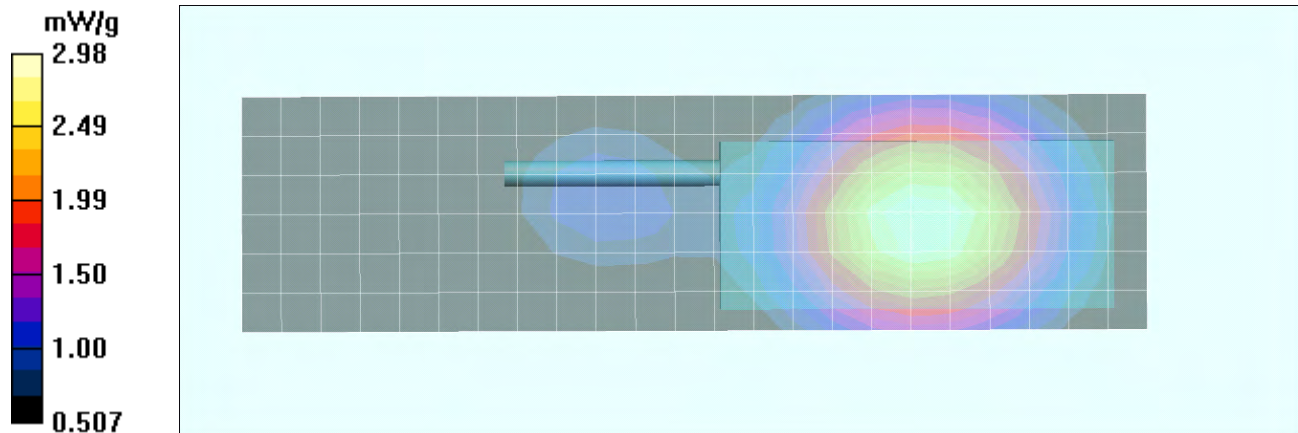
Reference Value = 31.1 V/m; Power Drift = -0.283 dB

Peak SAR (extrapolated) = 3.54 W/kg

SAR(1 g) = 2.83 mW/g; SAR(10 g) = 2.12 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.98 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 57 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Face SAR Plot F13

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.77, 6.77, 6.77); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Side Planar; Type: Plexiglass; Serial: 161
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Info: Interpolated medium parameters used for SAR evaluation.

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

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

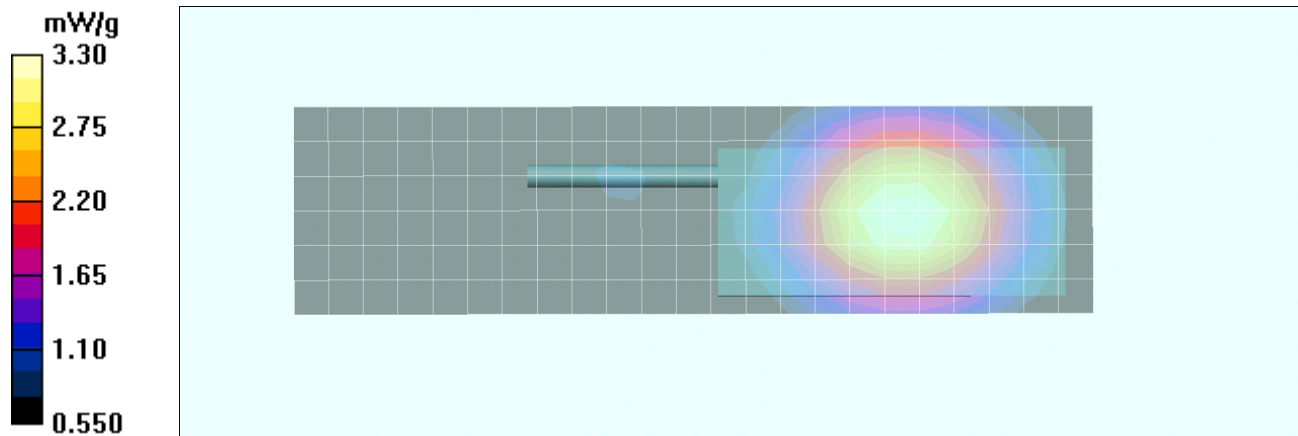
Reference Value = 28.2 V/m; Power Drift = -0.139 dB

Peak SAR (extrapolated) = 3.92 W/kg

SAR(1 g) = 3.13 mW/g; SAR(10 g) = 2.35 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.30 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 58 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Face SAR Plot F14

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.77, 6.77, 6.77); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Side Planar; Type: Plexiglass; Serial: 161
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Info: Interpolated medium parameters used for SAR evaluation.

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

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

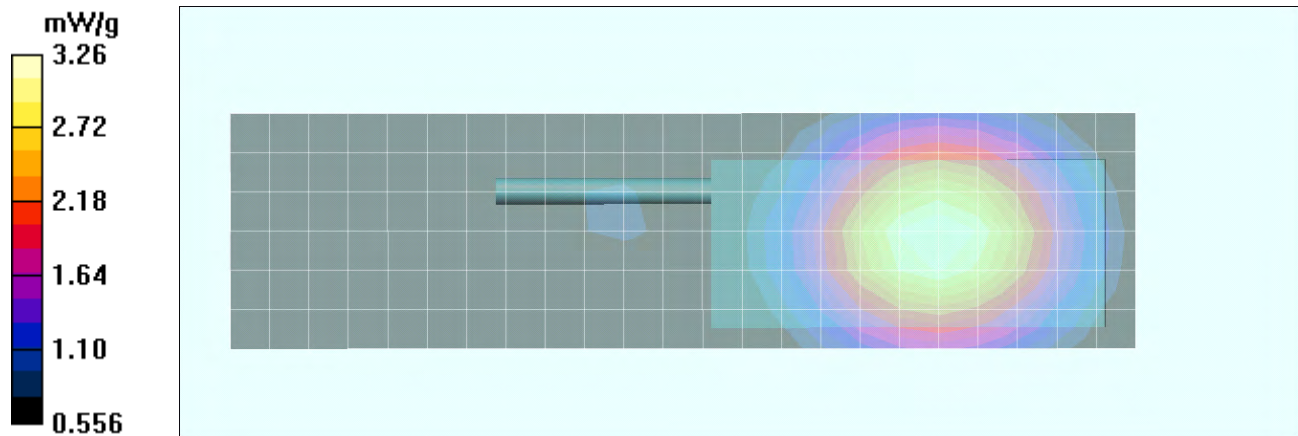
Reference Value = 27.7 V/m; Power Drift = -0.148 dB

Peak SAR (extrapolated) = 3.87 W/kg

SAR(1 g) = 3.08 mW/g; SAR(10 g) = 2.3 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 59 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Face SAR Plot F15

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 35

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.77, 6.77, 6.77); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Side Planar; Type: Plexiglass; Serial: 161
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.37 mW/g

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

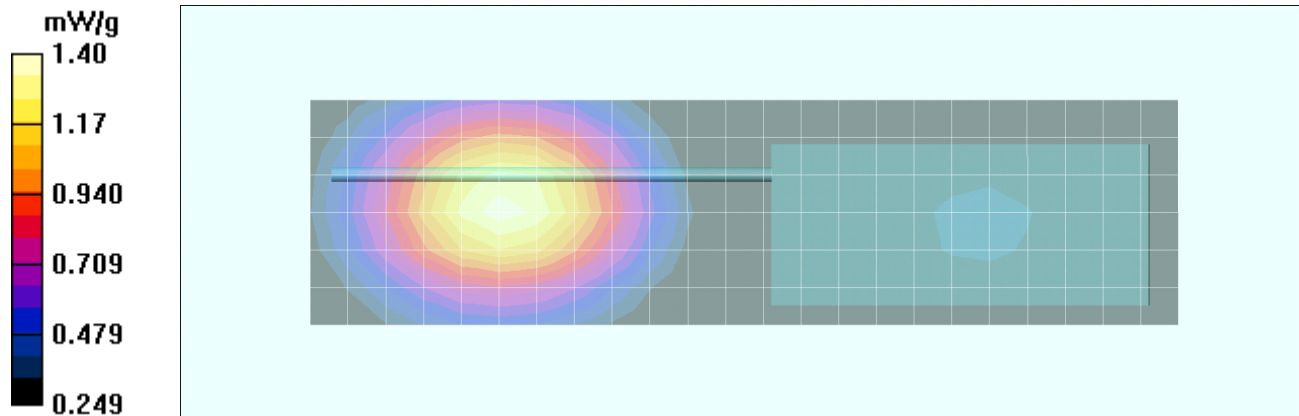
Reference Value = 11.1 V/m; Power Drift = -0.244 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.999 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 60 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	
Test Lab Certificate No. 2470.01				

Face SAR Plot F16

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 35

Ambient Temp: 23C; Fluid Temp: 22.9C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 776 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used (interpolated): $f = 776 \text{ MHz}$; $\sigma = 0.841 \text{ mho/m}$; $\epsilon_r = 42.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.77, 6.77, 6.77); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Side Planar; Type: Plexiglass; Serial: 161
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 3.38 mW/g

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

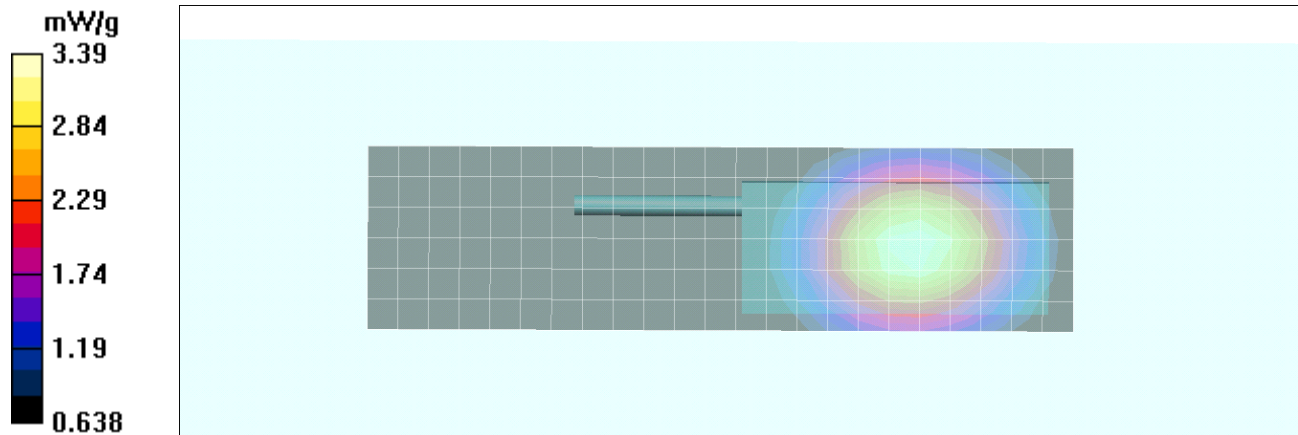
Reference Value = 27.8 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 3.95 W/kg

SAR(1 g) = 3.23 mW/g; SAR(10 g) = 2.46 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.39 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 61 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B1

Date Tested: 09/04/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 776 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 776 \text{ MHz}$; $\sigma = 0.911 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 5.42 mW/g

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

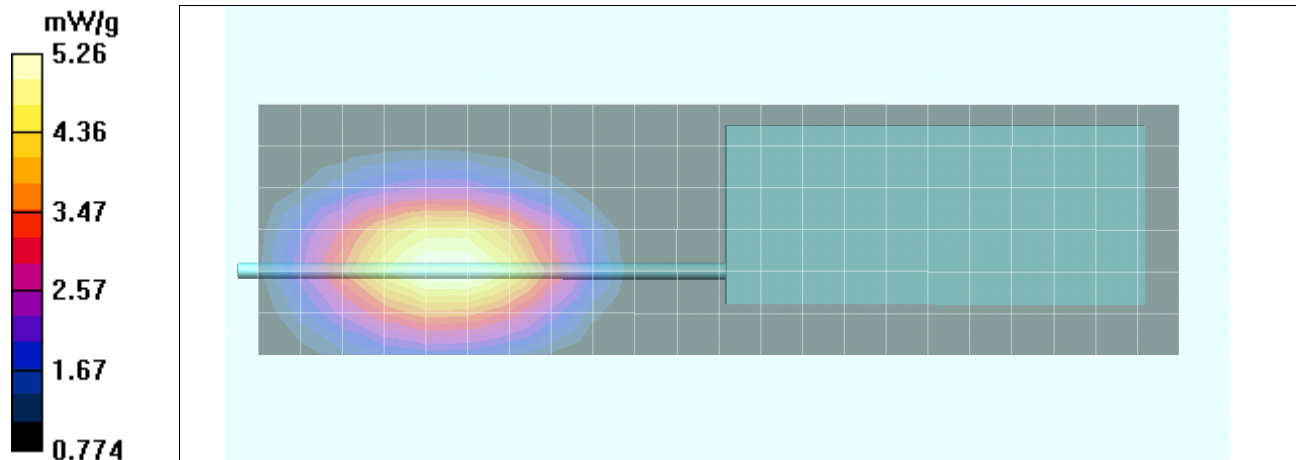
Reference Value = 13.7 V/m; Power Drift = -0.164 dB

Peak SAR (extrapolated) = 6.49 W/kg

SAR(1 g) = 4.95 mW/g; SAR(10 g) = 3.57 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 62 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B2

Date Tested: 09/04/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 55.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 5.79 mW/g

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

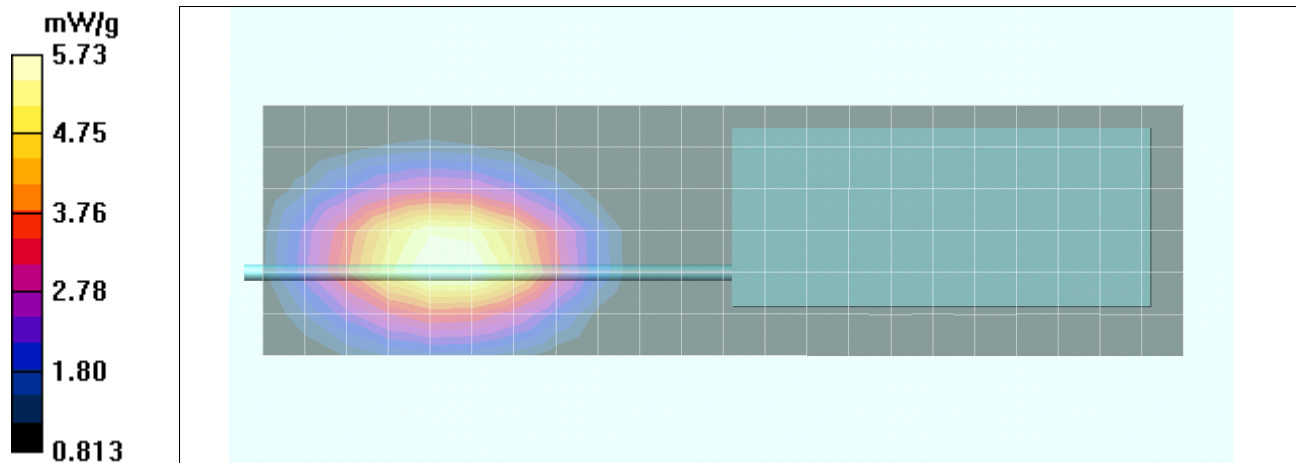
Reference Value = 15.2 V/m; Power Drift = -0.003 dB

Peak SAR (extrapolated) = 7.01 W/kg

SAR(1 g) = 5.38 mW/g; SAR(10 g) = 3.88 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.73 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 63 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B3

Date Tested: 09/04/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.958 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 5.68 mW/g

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

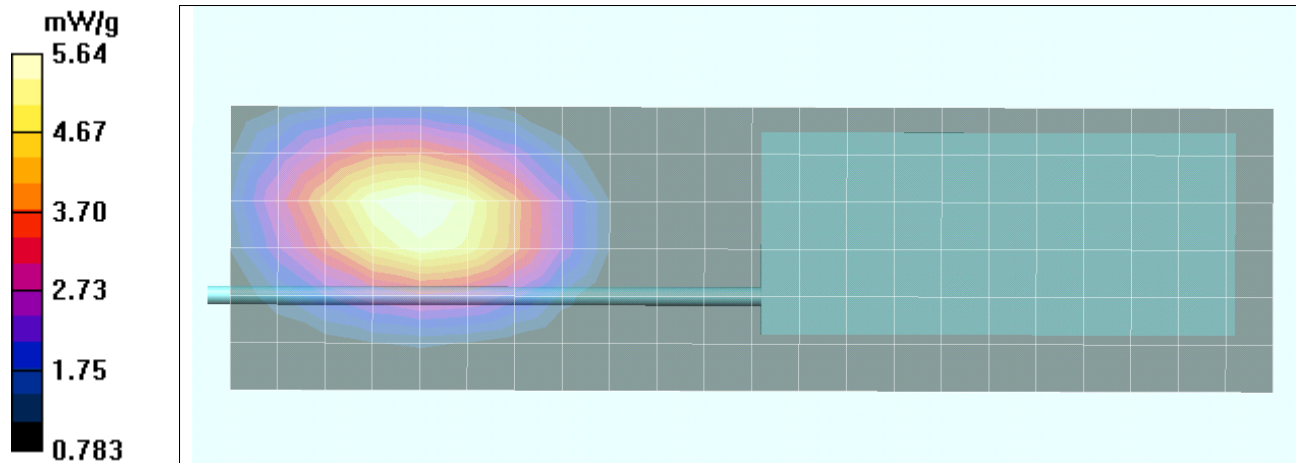
Reference Value = 18.9 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 6.82 W/kg

SAR(1 g) = 5.29 mW/g; SAR(10 g) = 3.81 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.64 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 64 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B4

Date Tested: 09/04/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DAS4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Info: Interpolated medium parameters used for SAR evaluation.

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

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

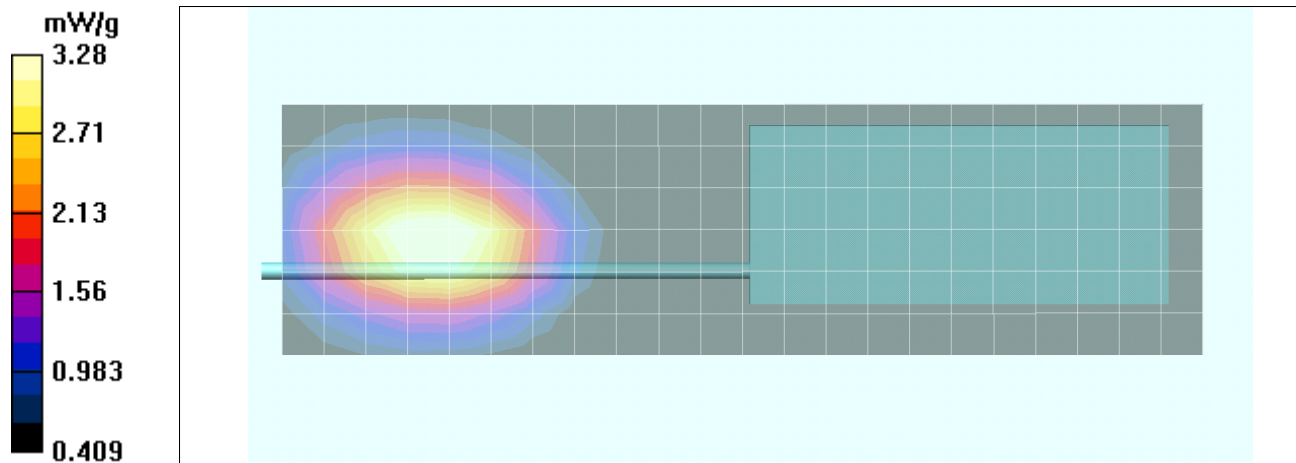
Reference Value = 22.6 V/m; Power Drift = -0.286 dB

Peak SAR (extrapolated) = 3.97 W/kg

SAR(1 g) = 3.06 mW/g; SAR(10 g) = 2.18 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.28 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 65 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B5

Date Tested: 09/04/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 776 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 776 \text{ MHz}$; $\sigma = 0.911 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 7.24 mW/g

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

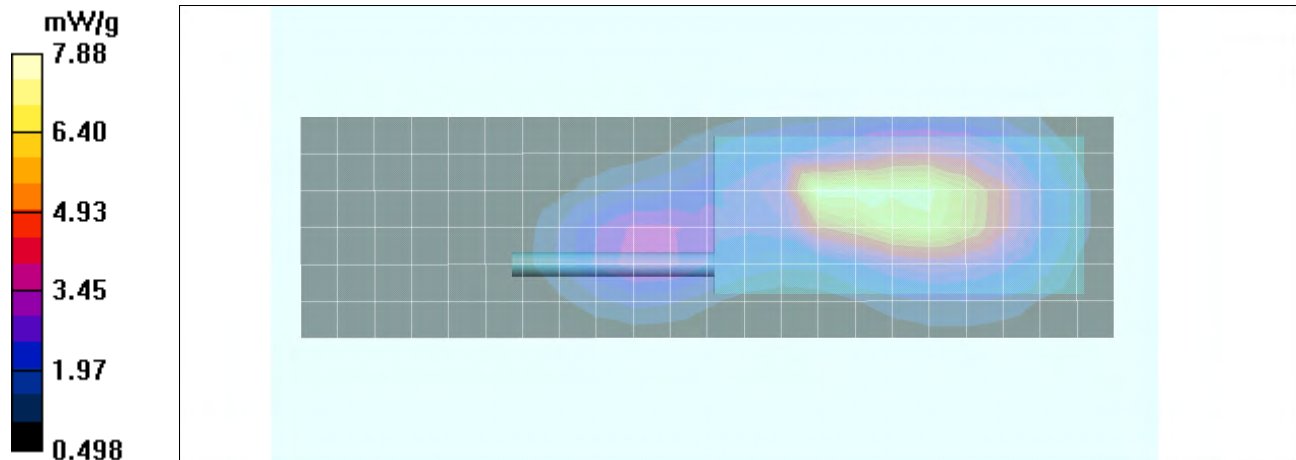
Reference Value = 55.2 V/m; Power Drift = -0.163 dB

Peak SAR (extrapolated) = 15.6 W/kg

SAR(1 g) = 7.18 mW/g; SAR(10 g) = 4.42 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 7.88 mW/g

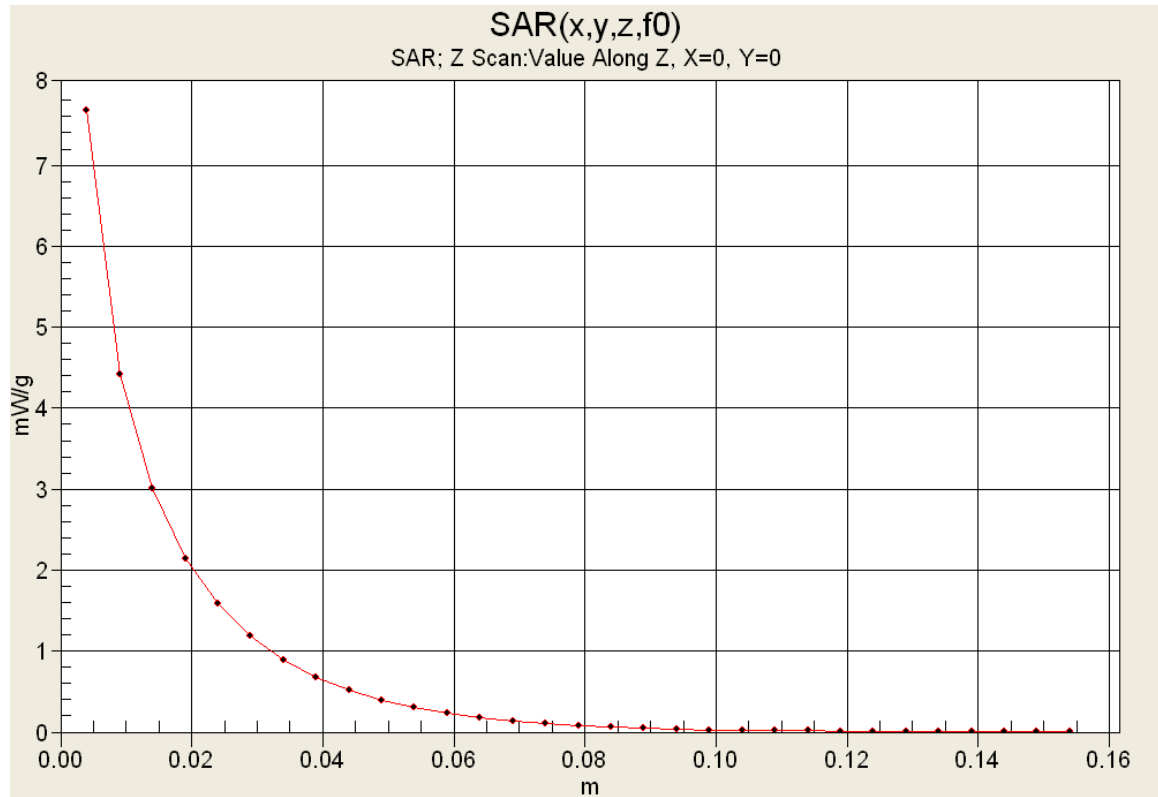


Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 66 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Z-Axis Scan



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 67 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B6

Date Tested: 09/04/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.92 \text{ mho/m}$; $\epsilon_r = 55.5$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.49 mW/g

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

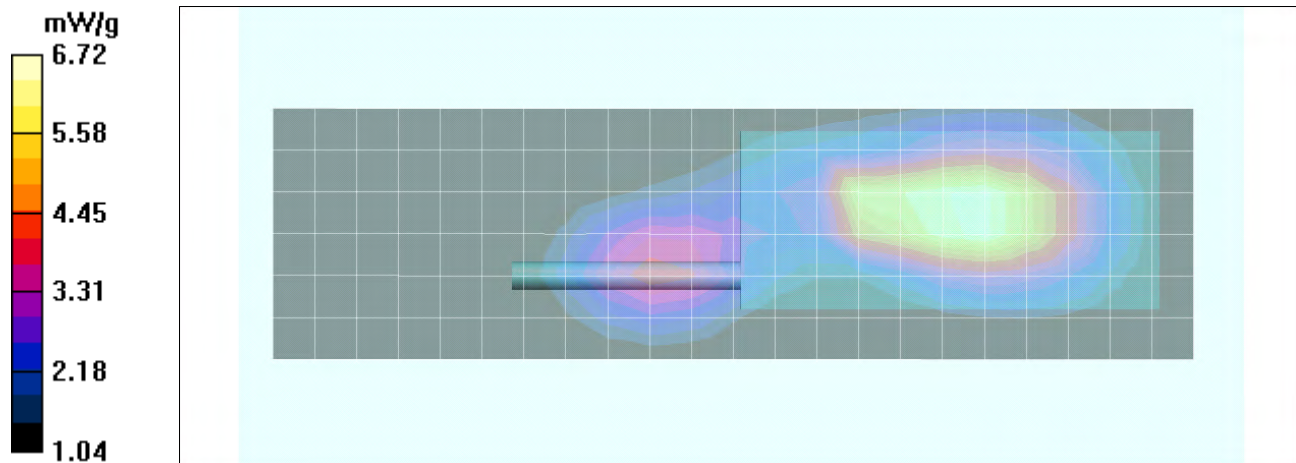
Reference Value = 55.1 V/m; Power Drift = -0.289 dB

Peak SAR (extrapolated) = 7.95 W/kg

SAR(1 g) = 6.37 mW/g; SAR(10 g) = 4.77 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.72 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 68 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B7

Date Tested: 09/04/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.958 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 5.49 mW/g

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

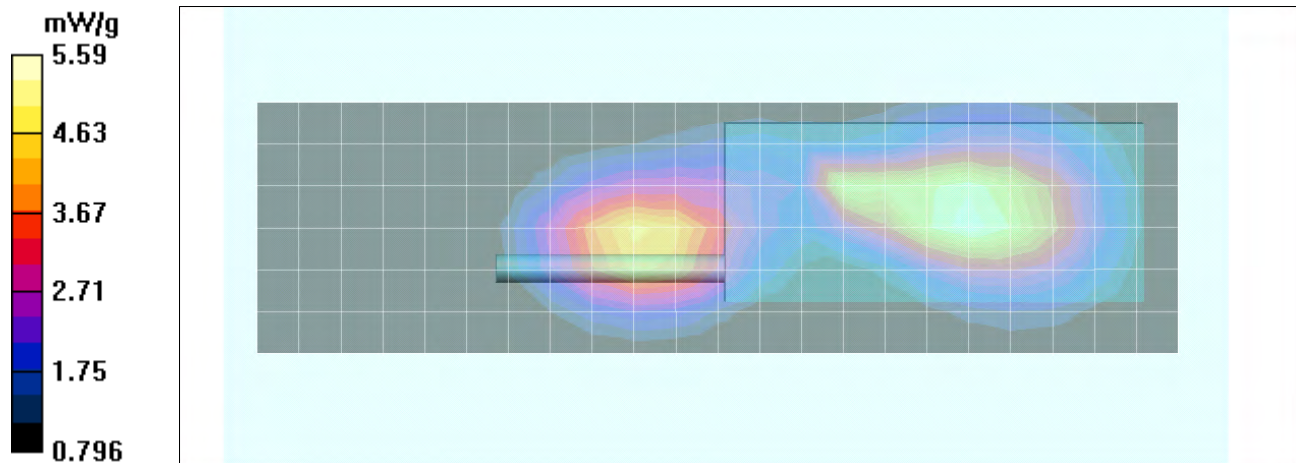
Reference Value = 57.7 V/m; Power Drift = -0.149 dB

Peak SAR (extrapolated) = 6.51 W/kg

SAR(1 g) = 5.32 mW/g; SAR(10 g) = 3.97 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.59 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 69 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B8

Date Tested: 09/04/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 4.38 mW/g

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

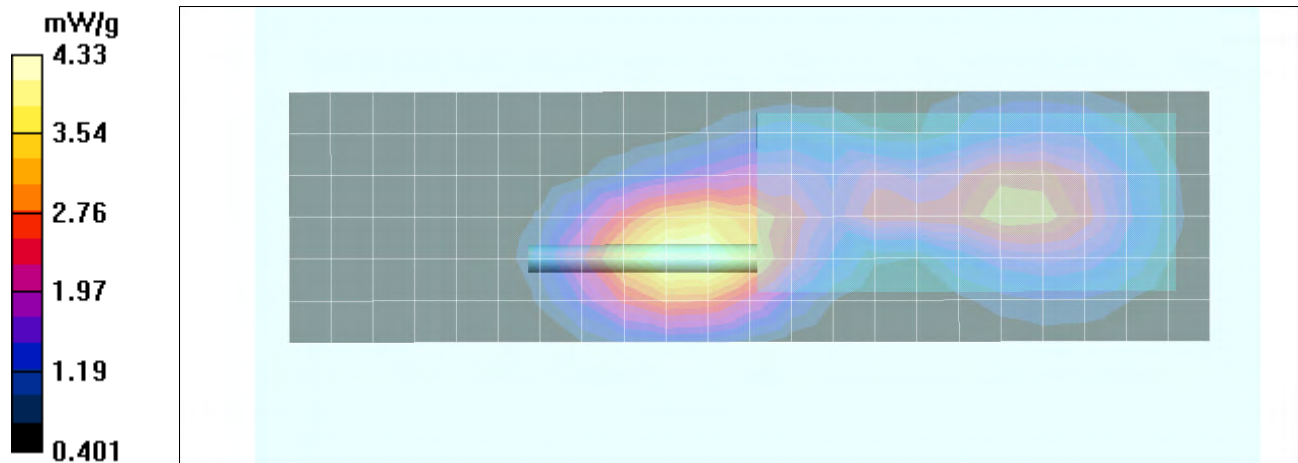
Reference Value = 53.7 V/m; Power Drift = -0.273 dB

Peak SAR (extrapolated) = 5.42 W/kg

SAR(1 g) = 4.01 mW/g; SAR(10 g) = 2.75 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 4.33 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 70 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B9

Date Tested: 09/04/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 776 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 776 \text{ MHz}$; $\sigma = 0.911 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 4.27 mW/g

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

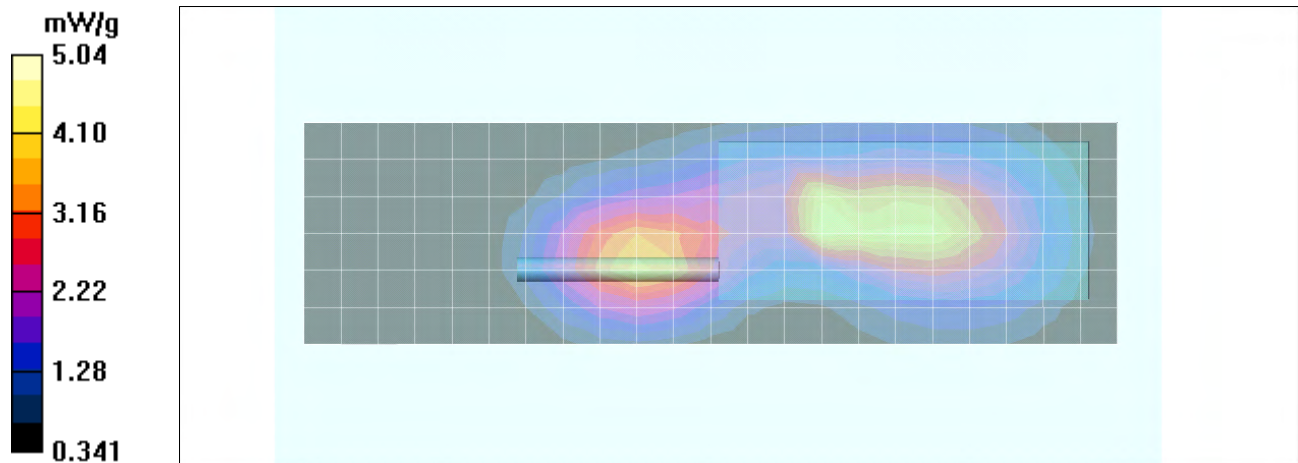
Reference Value = 54.1 V/m; Power Drift = -0.119 dB

Peak SAR (extrapolated) = 9.83 W/kg

SAR(1 g) = 4.48 mW/g; SAR(10 g) = 2.71 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.04 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 71 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B10

Date Tested: 09/04/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 776 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 776 \text{ MHz}$; $\sigma = 0.911 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 5.74 mW/g

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

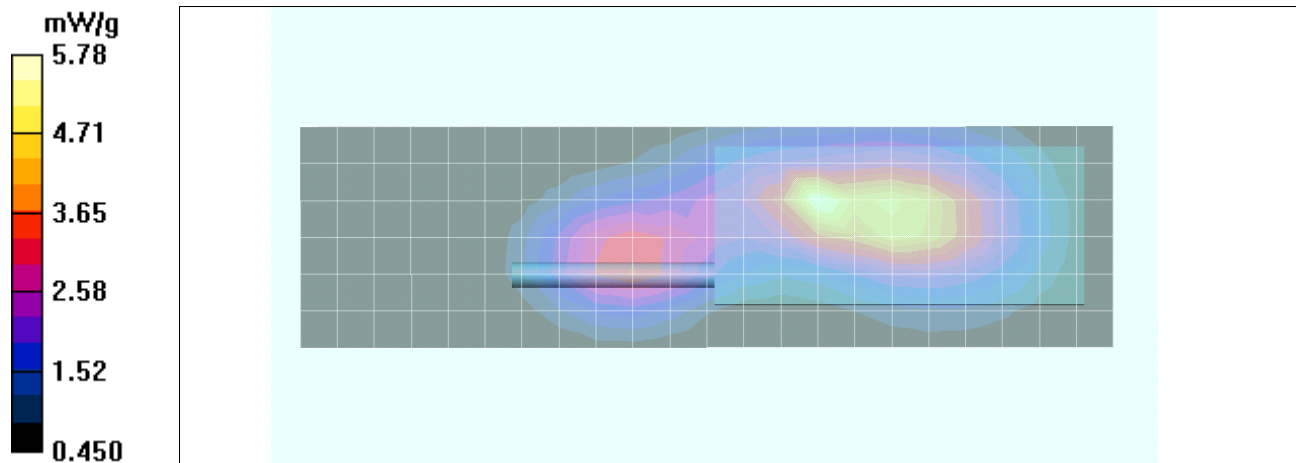
Reference Value = 53.6 V/m; Power Drift = -0.196 dB

Peak SAR (extrapolated) = 11.2 W/kg

SAR(1 g) = 5.33 mW/g; SAR(10 g) = 3.28 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.78 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 72 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B11

Date Tested: 09/04/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 776 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 776 \text{ MHz}$; $\sigma = 0.911 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASy4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 5.71 mW/g

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

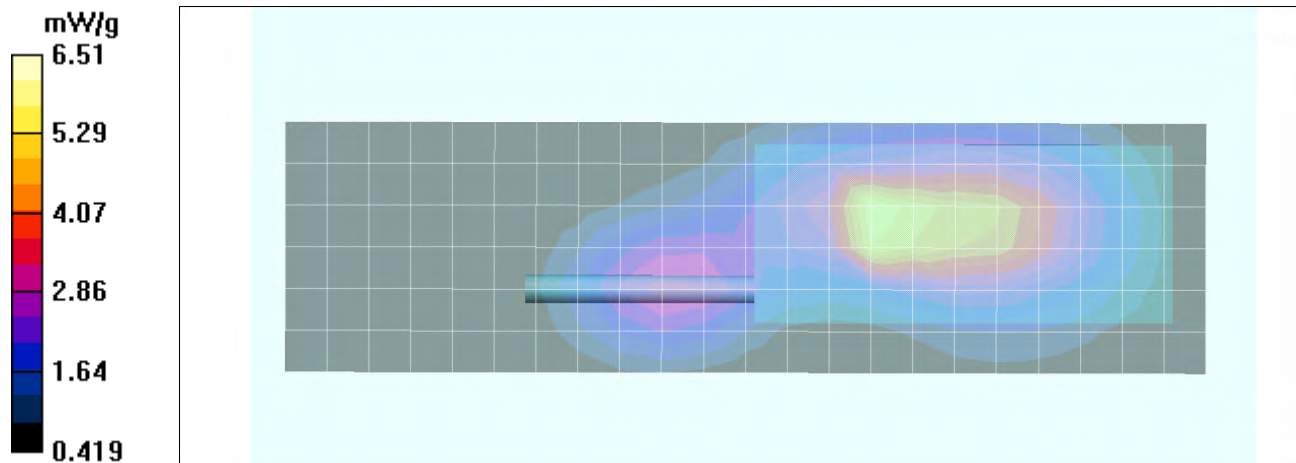
Reference Value = 51.0 V/m; Power Drift = -0.154 dB

Peak SAR (extrapolated) = 12.1 W/kg

SAR(1 g) = 5.85 mW/g; SAR(10 g) = 3.58 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.51 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 73 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B12

Date Tested: 09/04/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.958 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 4.91 mW/g

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

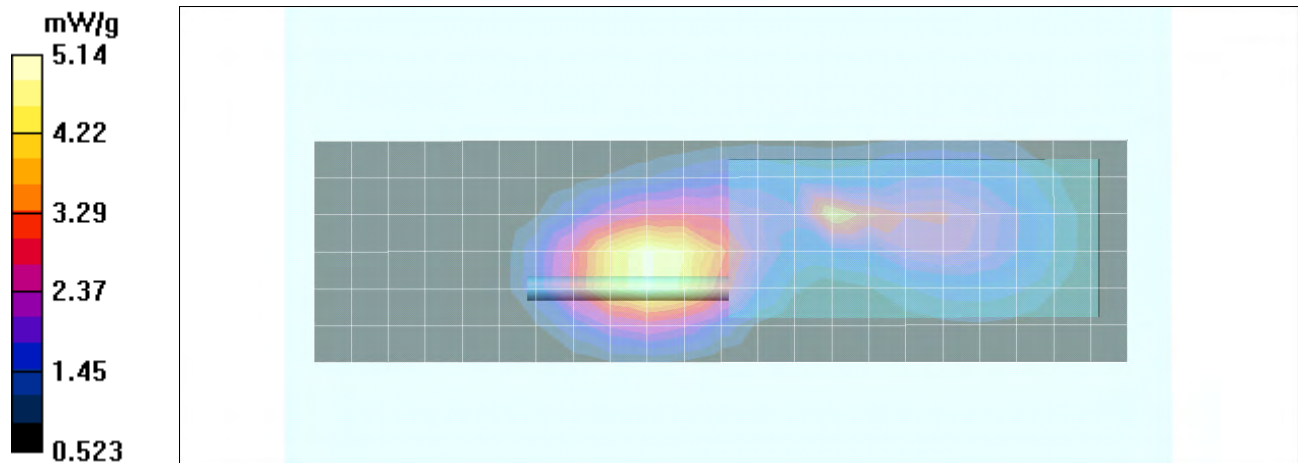
Reference Value = 57.7 V/m; Power Drift = -0.195 dB

Peak SAR (extrapolated) = 6.38 W/kg

SAR(1 g) = 4.79 mW/g; SAR(10 g) = 3.33 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.14 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 74 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B13

Date Tested: 09/04/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.958 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 5.34 mW/g

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

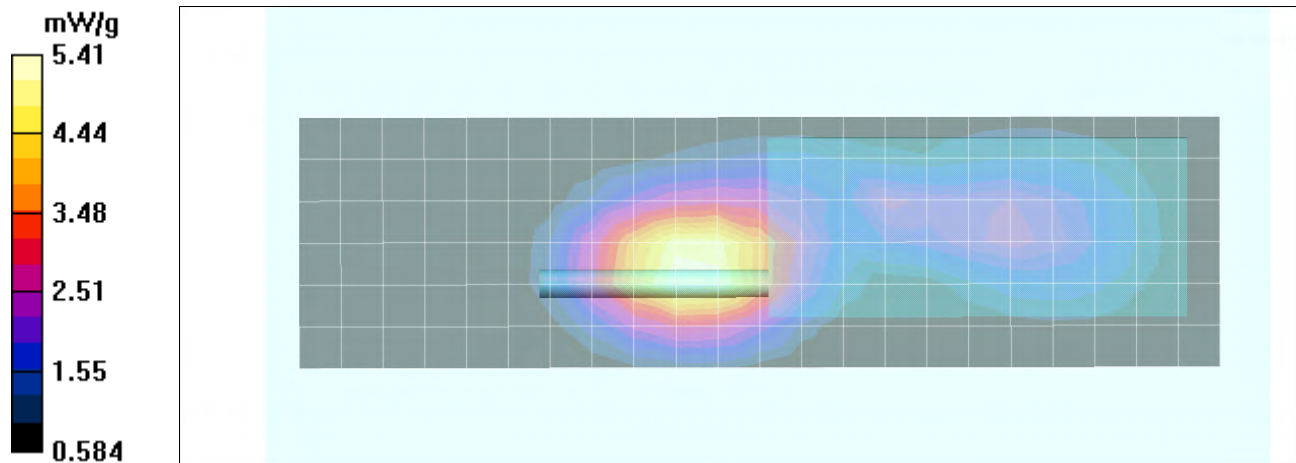
Reference Value = 57.0 V/m; Power Drift = 0.276 dB

Peak SAR (extrapolated) = 6.66 W/kg

SAR(1 g) = 5.05 mW/g; SAR(10 g) = 3.52 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.41 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 75 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B14

Date Tested: 09/04/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.958 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 5.44 mW/g

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

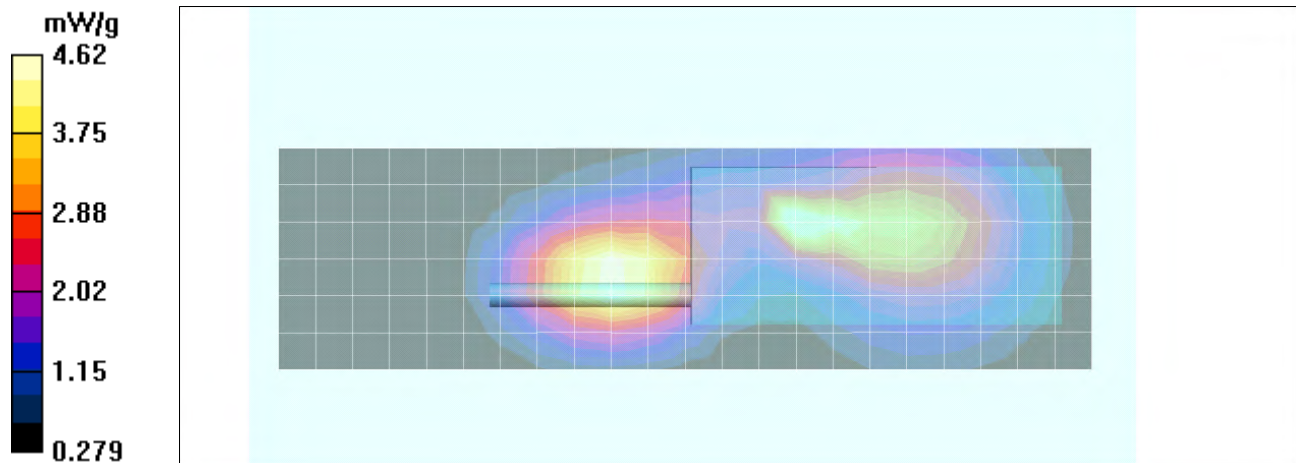
Reference Value = 54.2 V/m; Power Drift = -0.325 dB

Peak SAR (extrapolated) = 10.7 W/kg

SAR(1 g) = 4.31 mW/g; SAR(10 g) = 2.48 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 4.62 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 76 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B15

Date Tested: 09/04/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 34%

Communication System: CW

Frequency: 776 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 776 \text{ MHz}$; $\sigma = 0.911 \text{ mho/m}$; $\epsilon_r = 55.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.24 mW/g

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

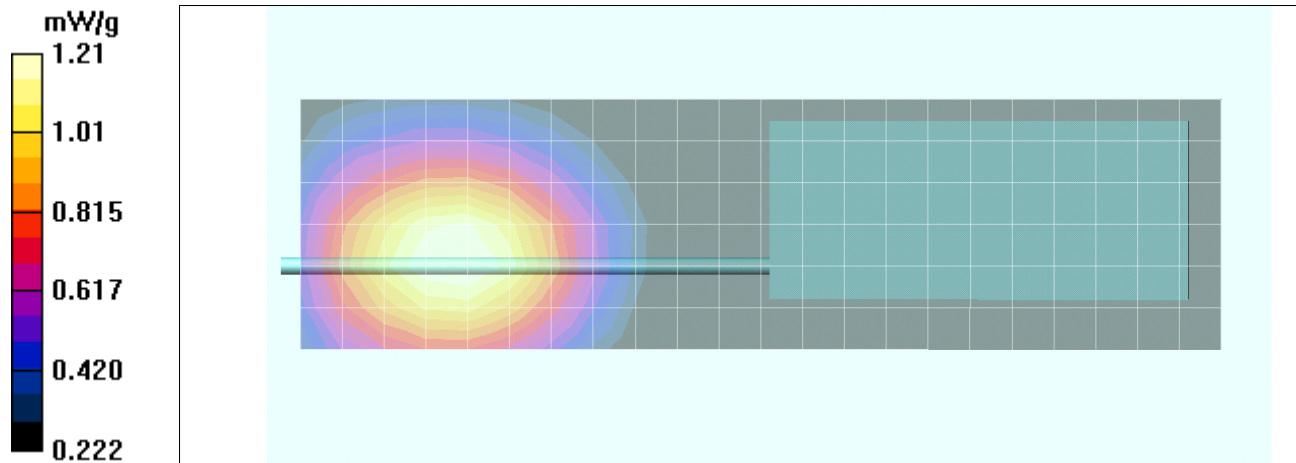
Reference Value = 8.42 V/m; Power Drift = -0.311 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.866 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.21 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 77 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B16

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.13 mW/g

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

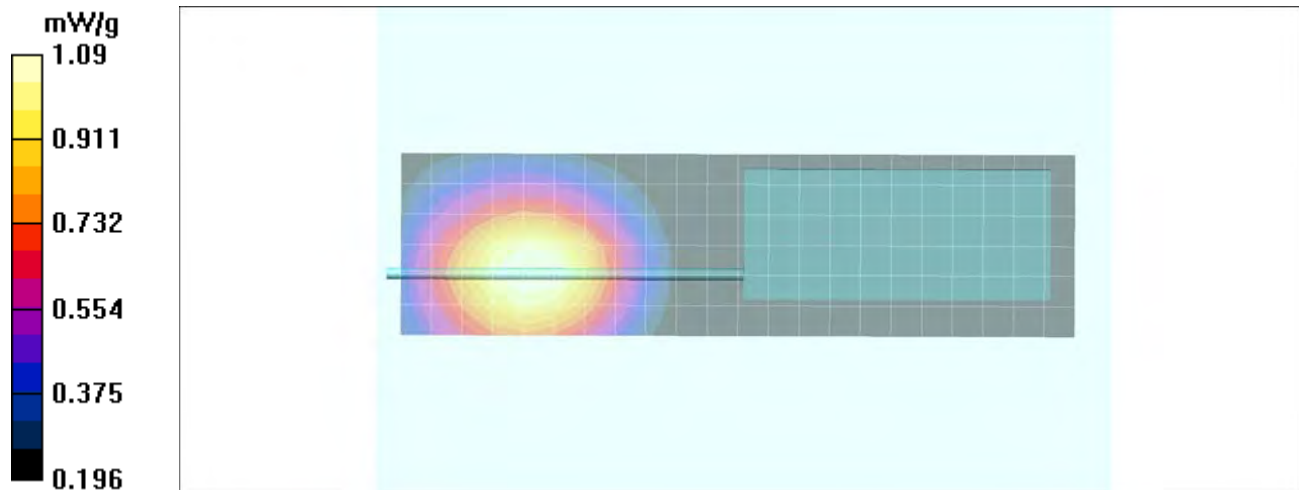
Reference Value = 7.83 V/m; Power Drift = -0.280 dB

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.781 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.09 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 78 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B17

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.18 mW/g

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

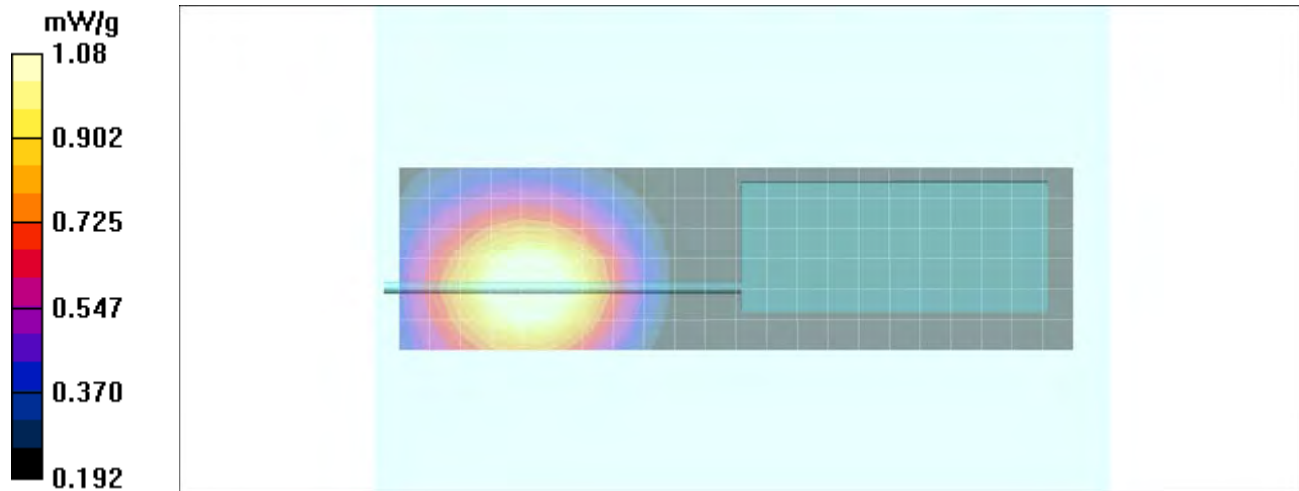
Reference Value = 8.72 V/m; Power Drift = -0.403 dB

Peak SAR (extrapolated) = 1.26 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.783 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.08 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 79 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B18

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 0.713 mW/g

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

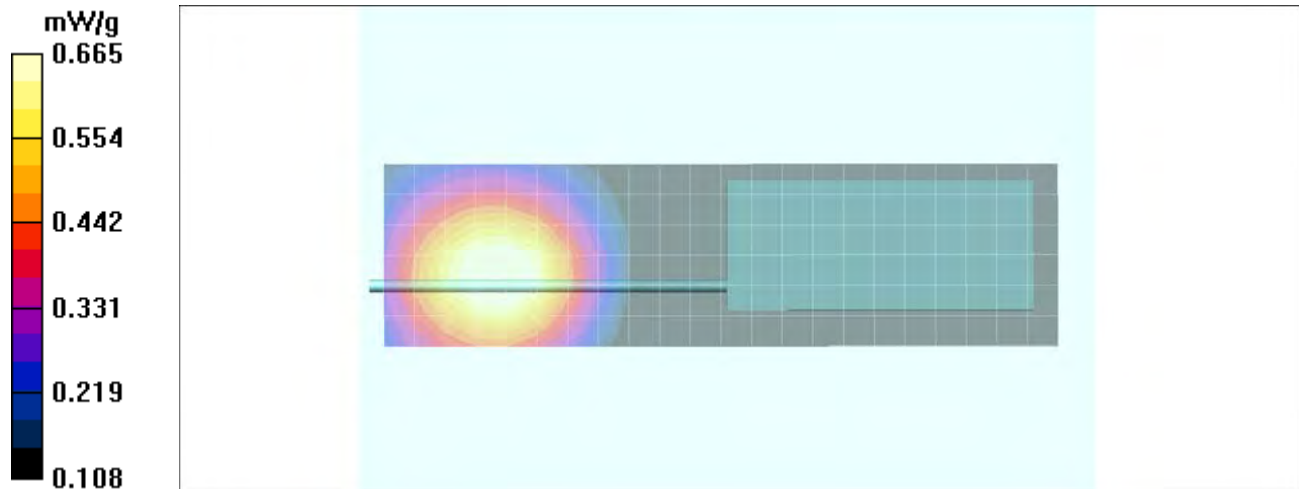
Reference Value = 7.79 V/m; Power Drift = -0.445 dB

Peak SAR (extrapolated) = 0.778 W/kg

SAR(1 g) = 0.627 mW/g; SAR(10 g) = 0.467 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.665 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 80 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B19

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 776 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 776 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 55.7$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.79 mW/g

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

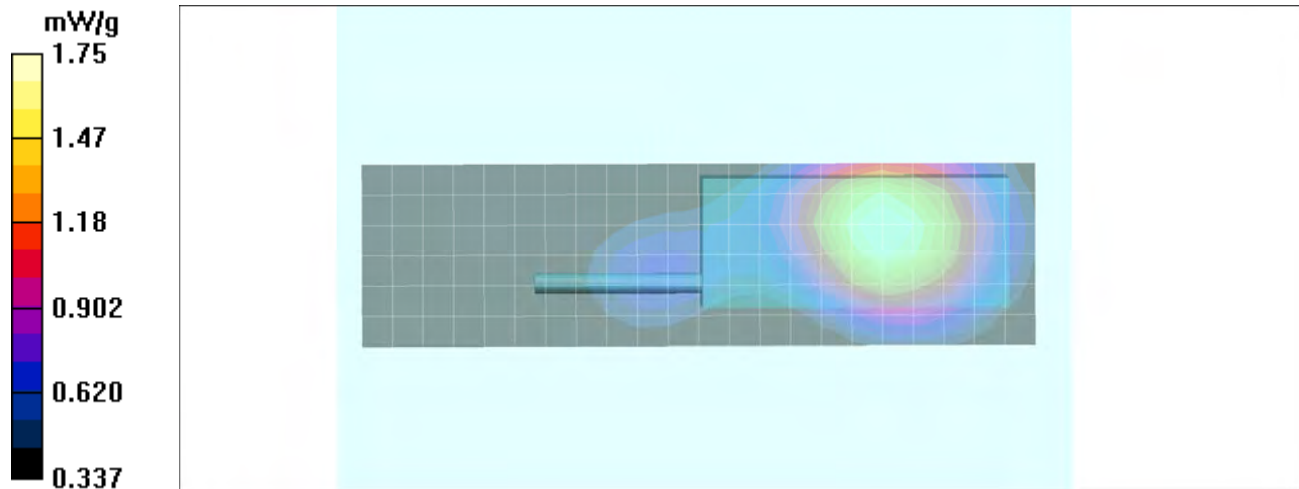
Reference Value = 26.0 V/m; Power Drift = -0.127 dB

Peak SAR (extrapolated) = 2.05 W/kg

SAR(1 g) = 1.67 mW/g; SAR(10 g) = 1.28 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 81 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B20

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.79 mW/g

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

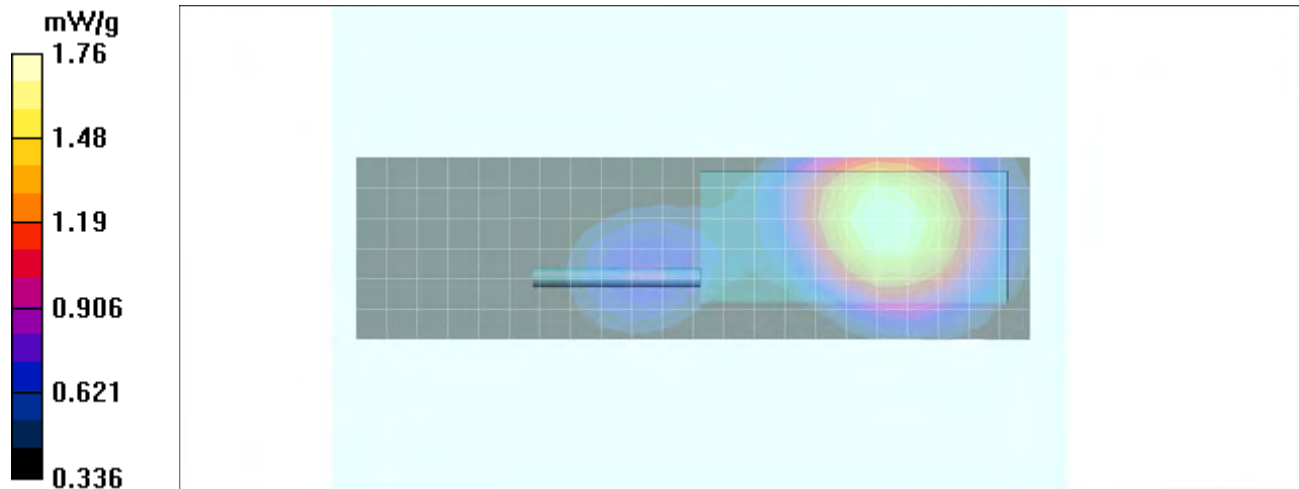
Reference Value = 25.4 V/m; Power Drift = -0.262 dB

Peak SAR (extrapolated) = 2.07 W/kg

SAR(1 g) = 1.69 mW/g; SAR(10 g) = 1.29 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.76 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 82 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B21

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.66 mW/g

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

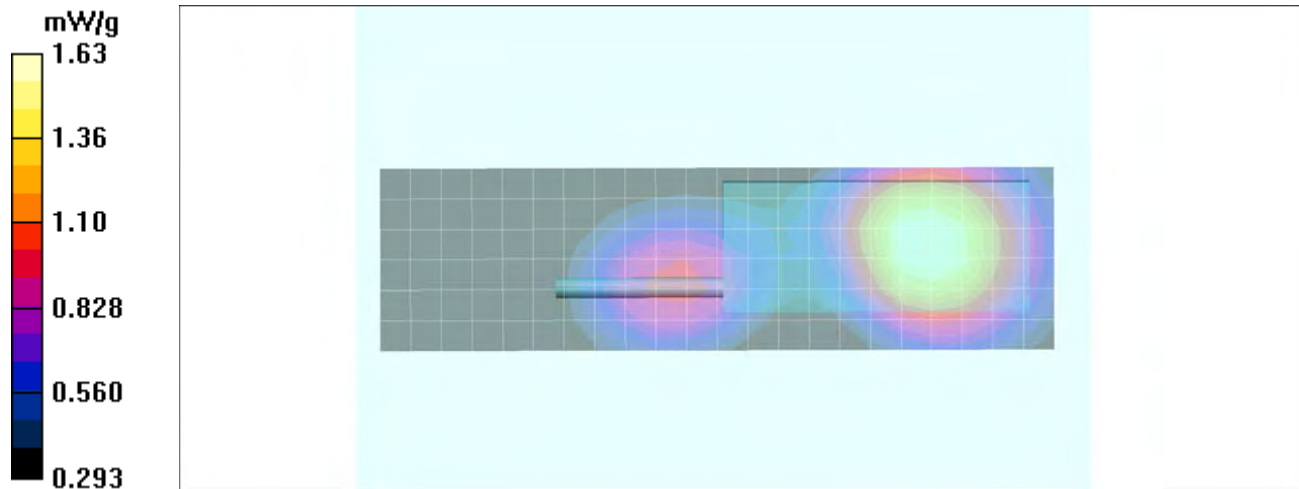
Reference Value = 28.8 V/m; Power Drift = -0.274 dB

Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 1.55 mW/g; SAR(10 g) = 1.19 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.63 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 83 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B22

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.02 mW/g

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

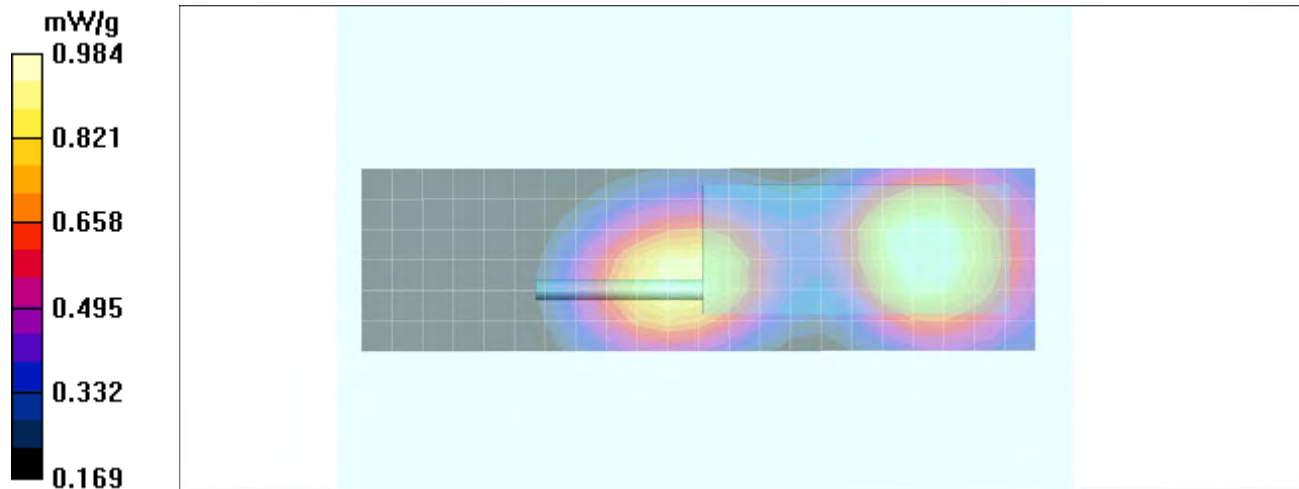
Reference Value = 30.0 V/m; Power Drift = -0.418 dB

Peak SAR (extrapolated) = 1.14 W/kg

SAR(1 g) = 0.936 mW/g; SAR(10 g) = 0.710 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.984 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 84 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B23

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.16 mW/g

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

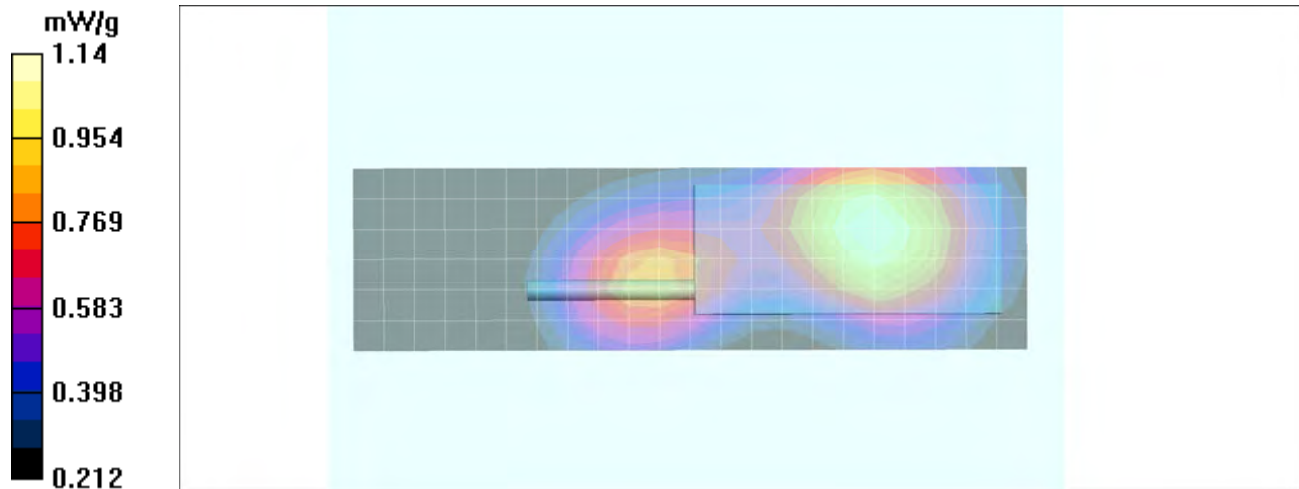
Reference Value = 28.1 V/m; Power Drift = -0.067 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.828 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.14 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 85 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B24

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.36 mW/g

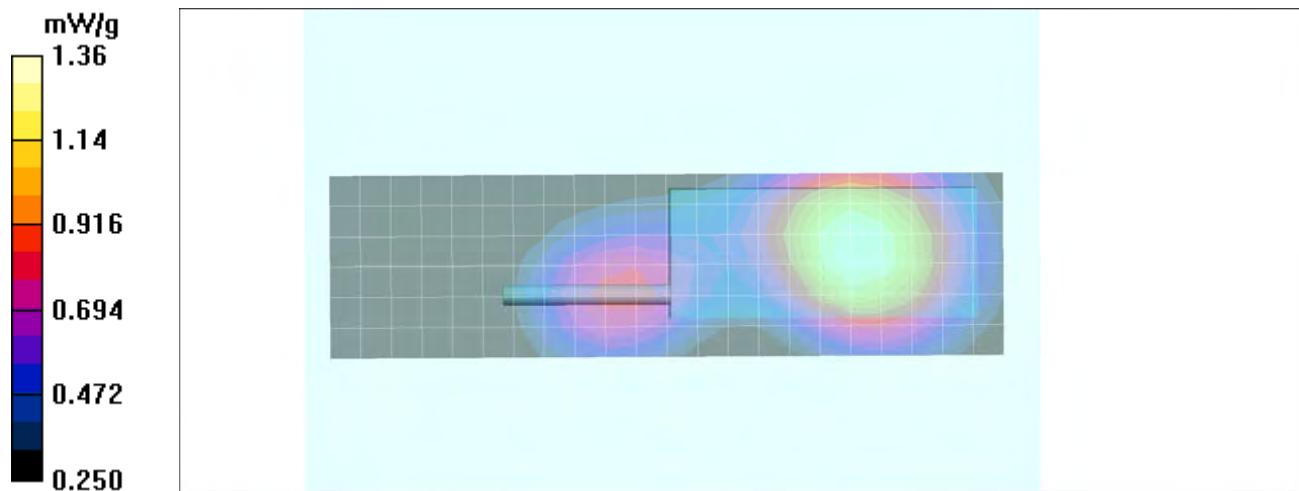
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.0 V/m; Power Drift = -0.269 dB

Peak SAR (extrapolated) = 1.58 W/kg

SAR(1 g) = 1.29 mW/g; SAR(10 g) = 0.994 mW/g

Info: Interpolated medium parameters used for SAR evaluation.



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 86 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B25

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.67 mW/g

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

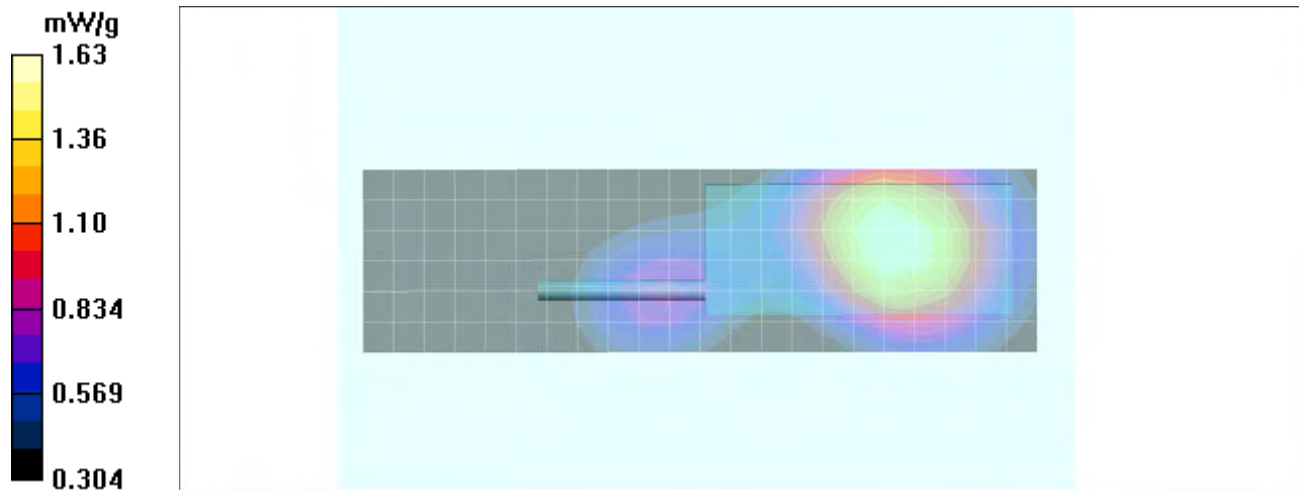
Reference Value = 26.1 V/m; Power Drift = -0.346 dB

Peak SAR (extrapolated) = 1.93 W/kg

SAR(1 g) = 1.55 mW/g; SAR(10 g) = 1.19 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.63 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 87 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B26

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.11 mW/g

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

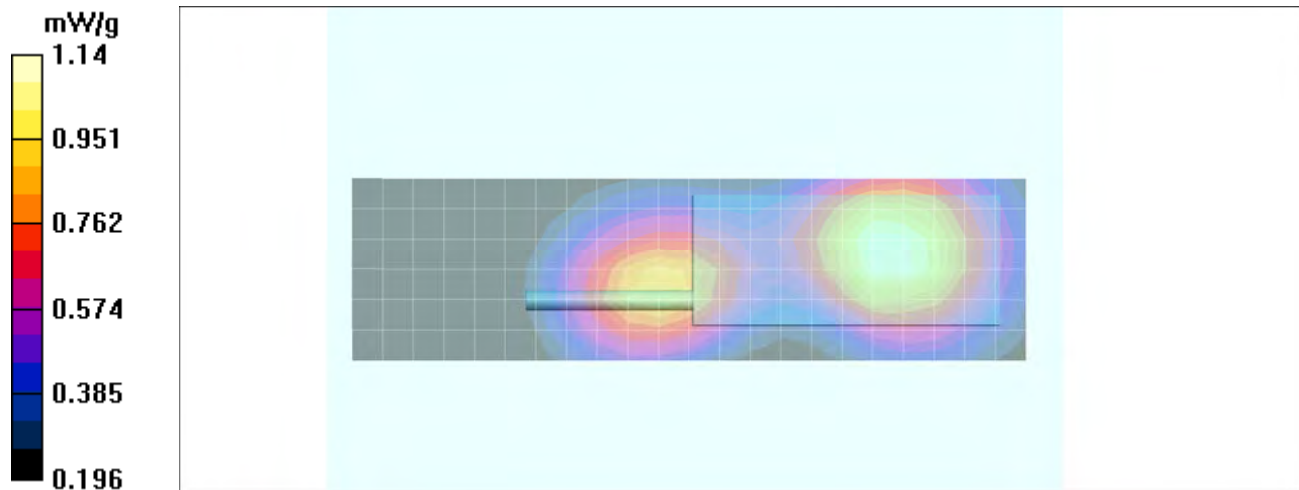
Reference Value = 30.1 V/m; Power Drift = -0.226 dB

Peak SAR (extrapolated) = 1.31 W/kg

SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.828 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.14 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 88 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B27

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.19 mW/g

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

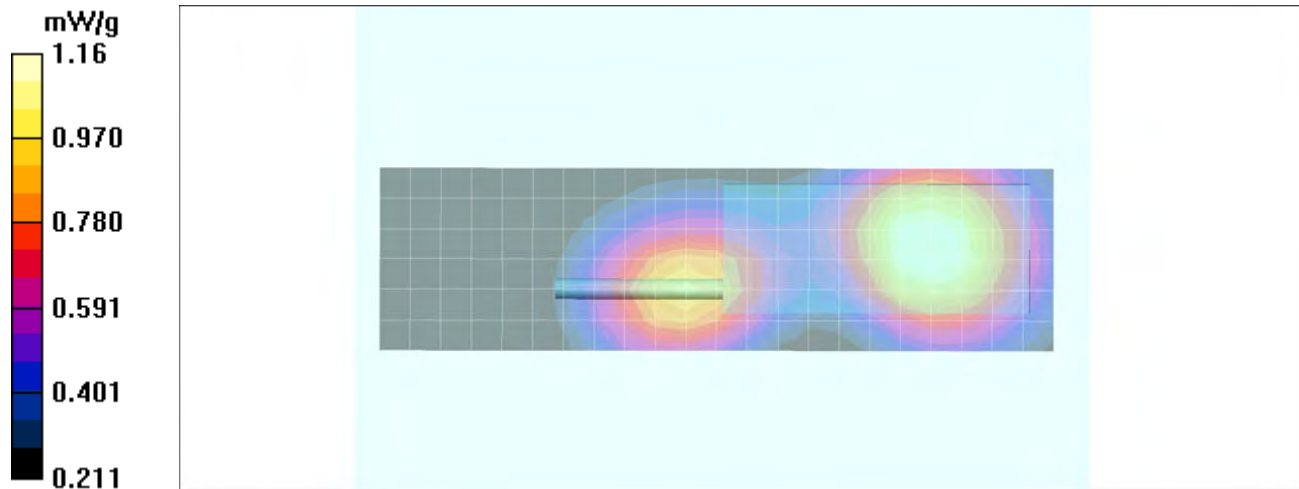
Reference Value = 29.3 V/m; Power Drift = -0.225 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.851 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 89 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B28

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.47 mW/g

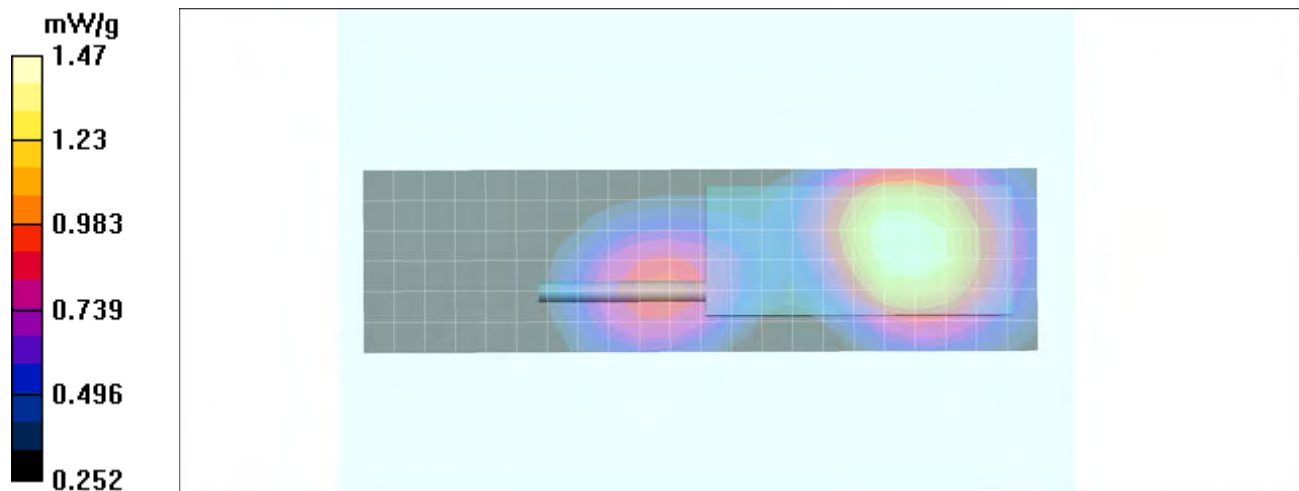
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 28.3 V/m; Power Drift = -0.321 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 1.4 mW/g; SAR(10 g) = 1.07 mW/g

Info: Interpolated medium parameters used for SAR evaluation.



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 90 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B29

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 776 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 776 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 55.7$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 0.763 mW/g

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

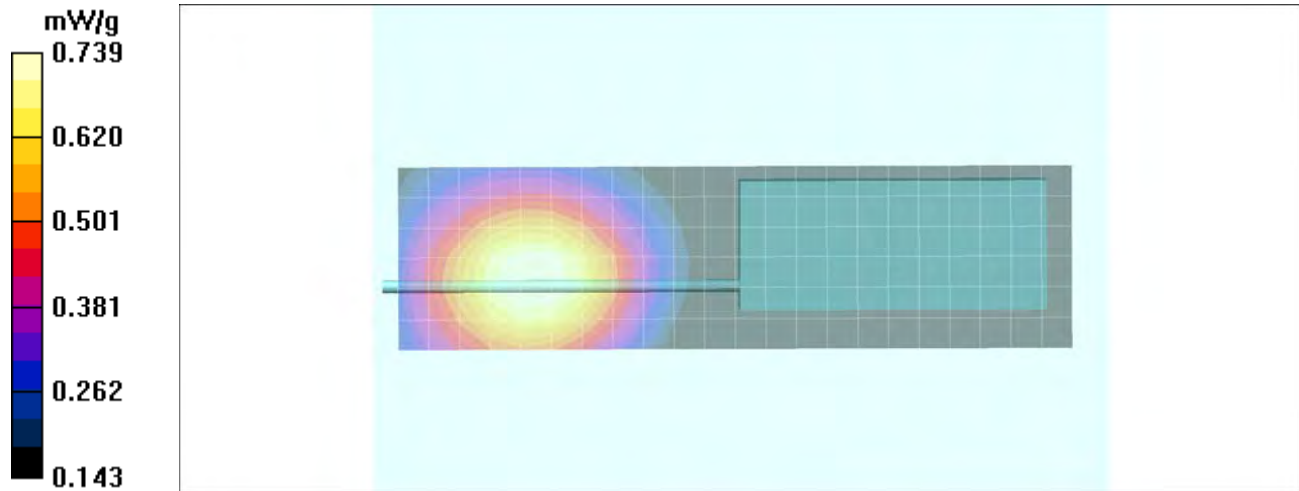
Reference Value = 9.11 V/m; Power Drift = -0.336 dB

Peak SAR (extrapolated) = 0.873 W/kg

SAR(1 g) = 0.704 mW/g; SAR(10 g) = 0.537 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.739 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 91 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B30

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 0.787 mW/g

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

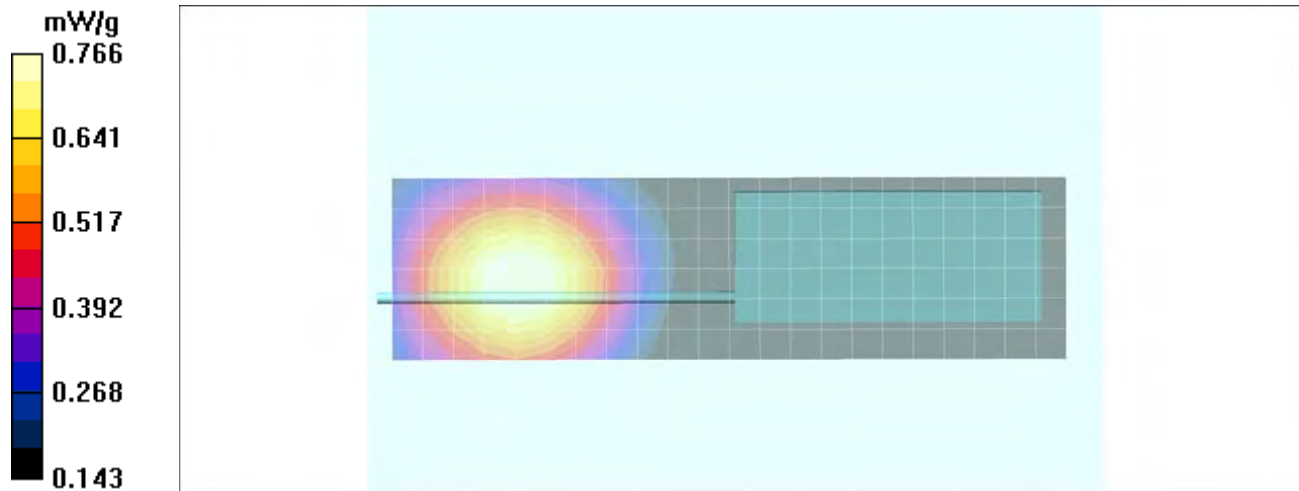
Reference Value = 8.82 V/m; Power Drift = -0.334 dB

Peak SAR (extrapolated) = 0.911 W/kg

SAR(1 g) = 0.729 mW/g; SAR(10 g) = 0.555 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.766 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 92 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B31

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 0.896 mW/g

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

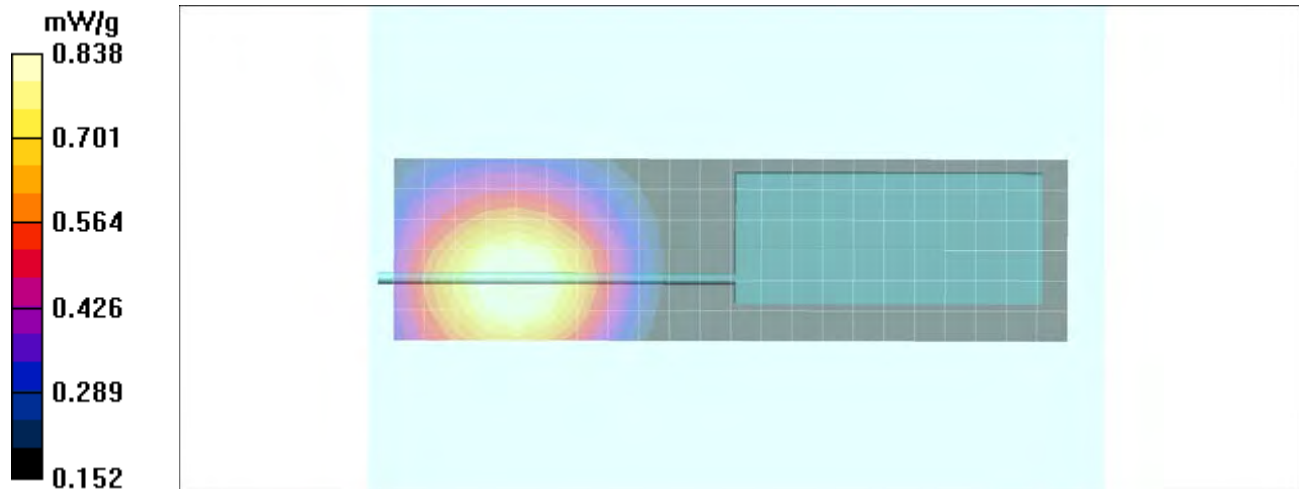
Reference Value = 8.08 V/m; Power Drift = -0.320 dB

Peak SAR (extrapolated) = 0.976 W/kg

SAR(1 g) = 0.793 mW/g; SAR(10 g) = 0.598 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.838 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 93 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B32

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 0.485 mW/g

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

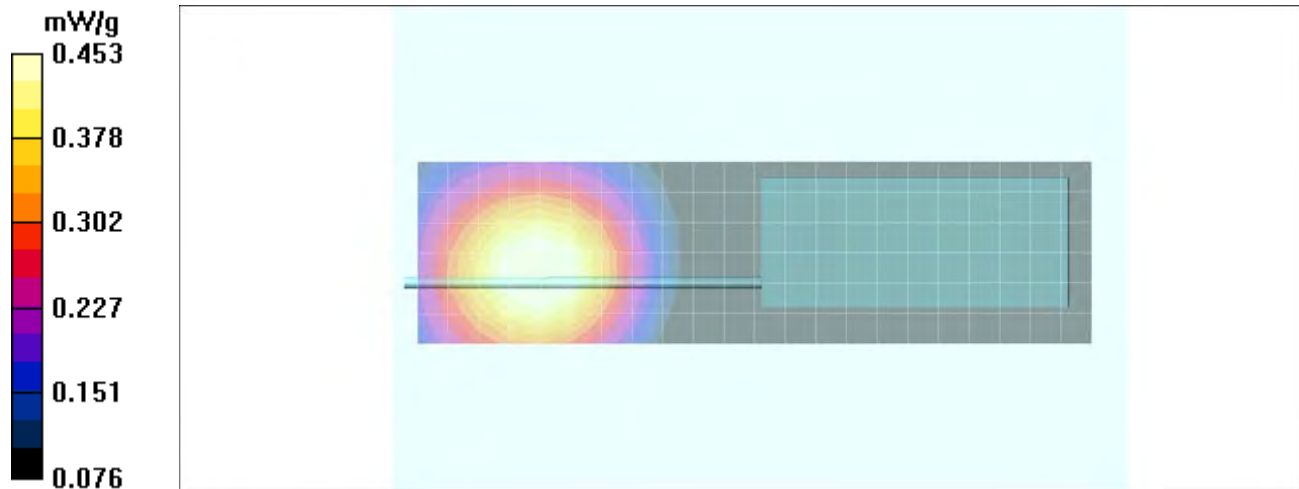
Reference Value = 5.78 V/m; Power Drift = -0.359 dB

Peak SAR (extrapolated) = 0.532 W/kg

SAR(1 g) = 0.430 mW/g; SAR(10 g) = 0.323 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.453 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 94 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B33

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 776 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 776 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 55.7$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.17 mW/g

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

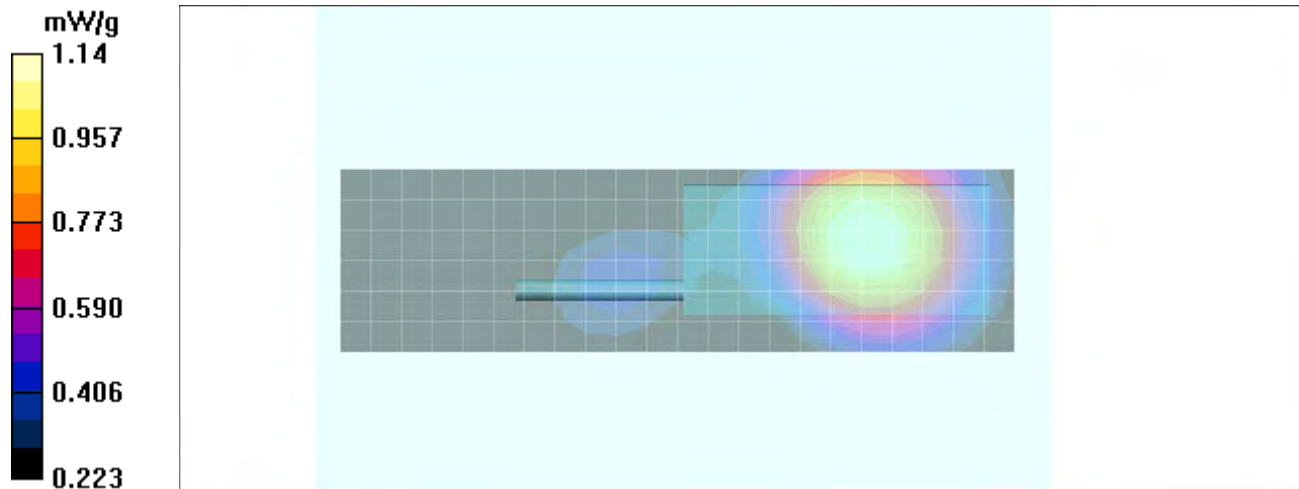
Reference Value = 18.4 V/m; Power Drift = -0.138 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.836 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.14 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 95 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B34

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.65 mW/g

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

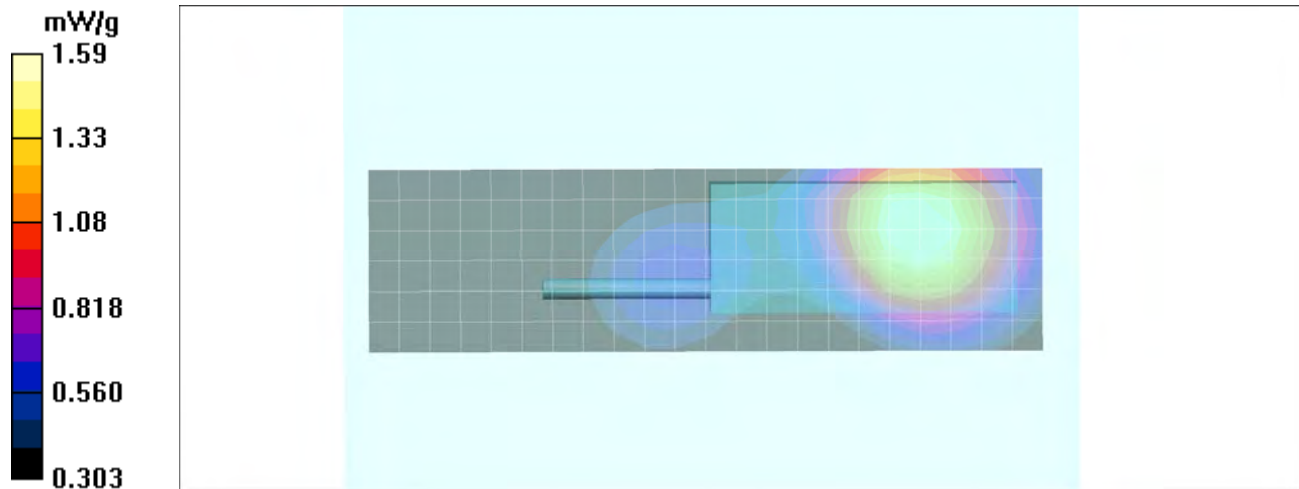
Reference Value = 24.7 V/m; Power Drift = -0.273 dB

Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 1.51 mW/g; SAR(10 g) = 1.16 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 96 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B35

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.49 mW/g

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

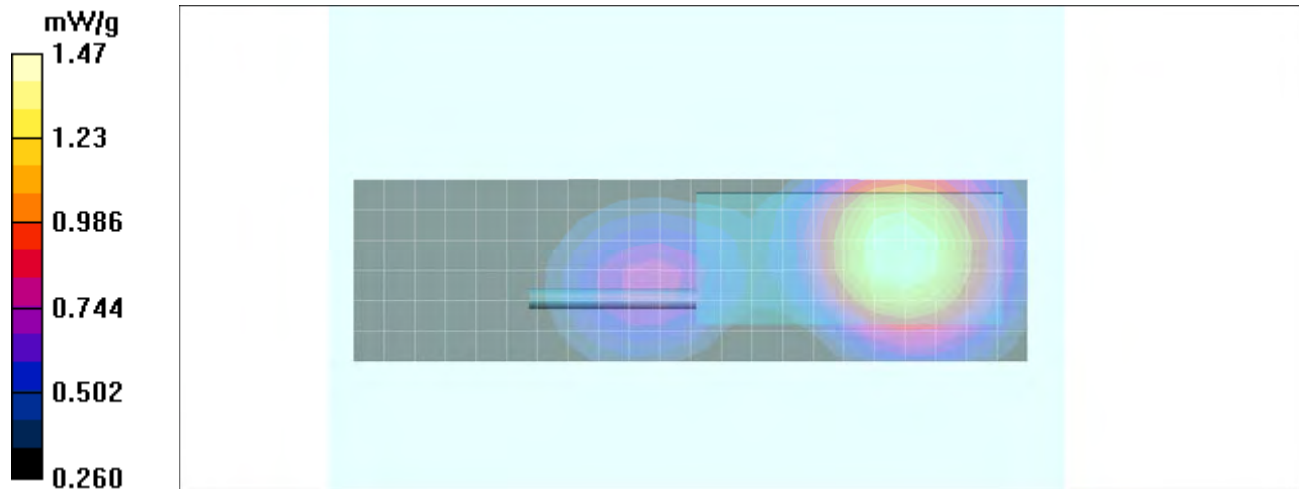
Reference Value = 25.0 V/m; Power Drift = -0.126 dB

Peak SAR (extrapolated) = 1.69 W/kg

SAR(1 g) = 1.4 mW/g; SAR(10 g) = 1.07 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.47 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 97 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B36

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 0.993 mW/g

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

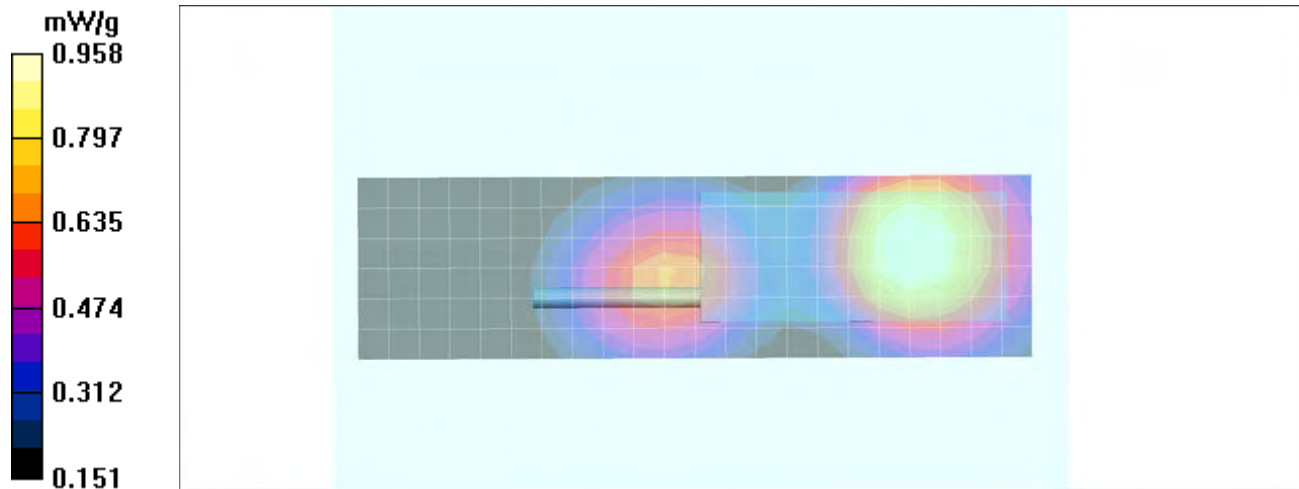
Reference Value = 25.8 V/m; Power Drift = -0.431 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.908 mW/g; SAR(10 g) = 0.685 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.958 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 98 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B37

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.16 mW/g

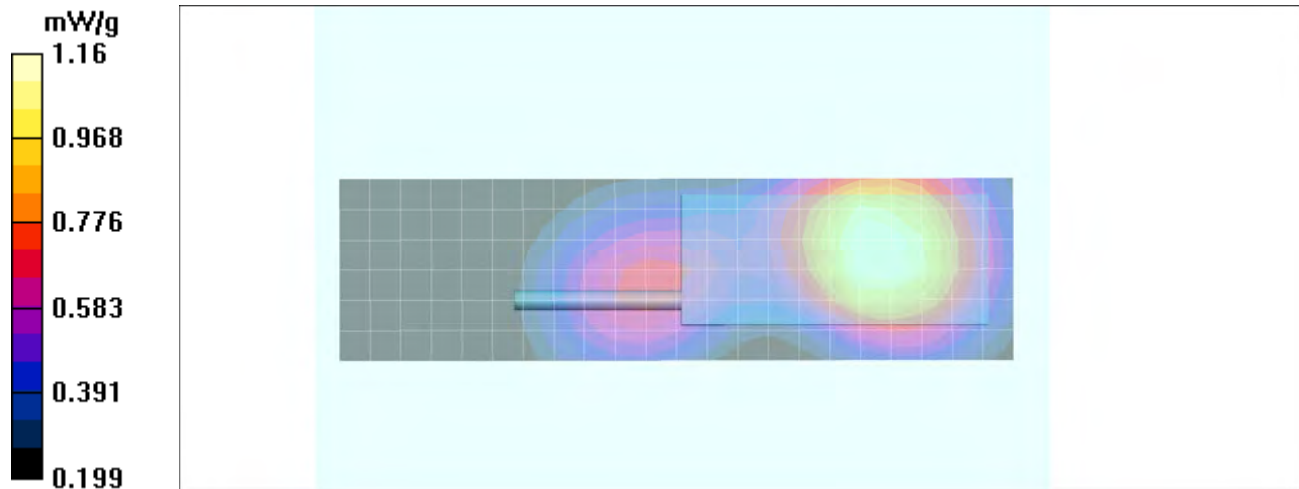
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 25.7 V/m; Power Drift = -0.167 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.846 mW/g

Info: Interpolated medium parameters used for SAR evaluation.



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 99 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B38

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 0.891 mW/g

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

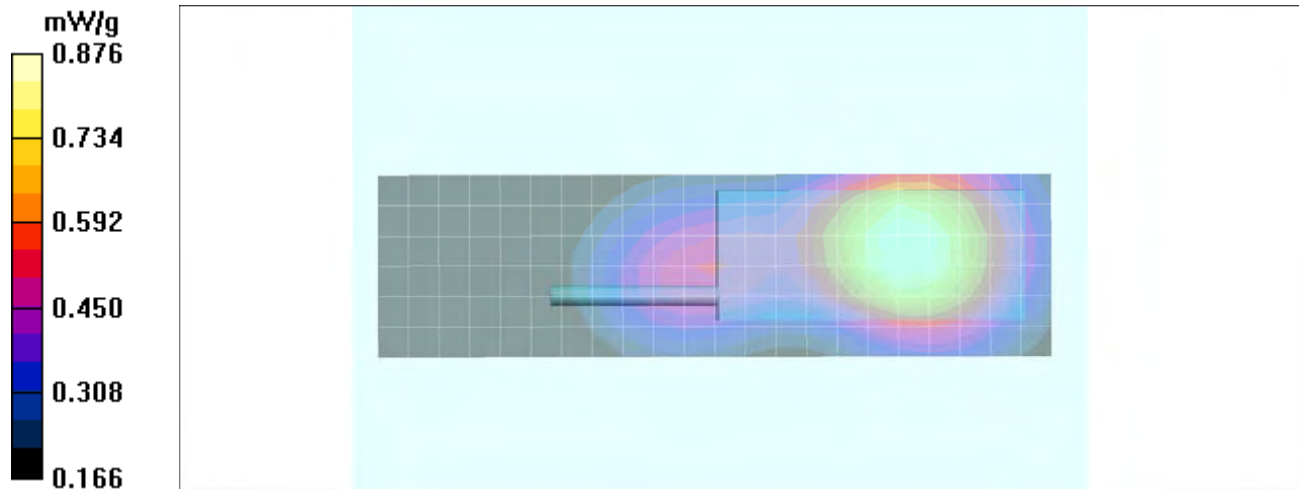
Reference Value = 22.8 V/m; Power Drift = -0.162 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.835 mW/g; SAR(10 g) = 0.640 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.876 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 100 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B39

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.49 mW/g

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

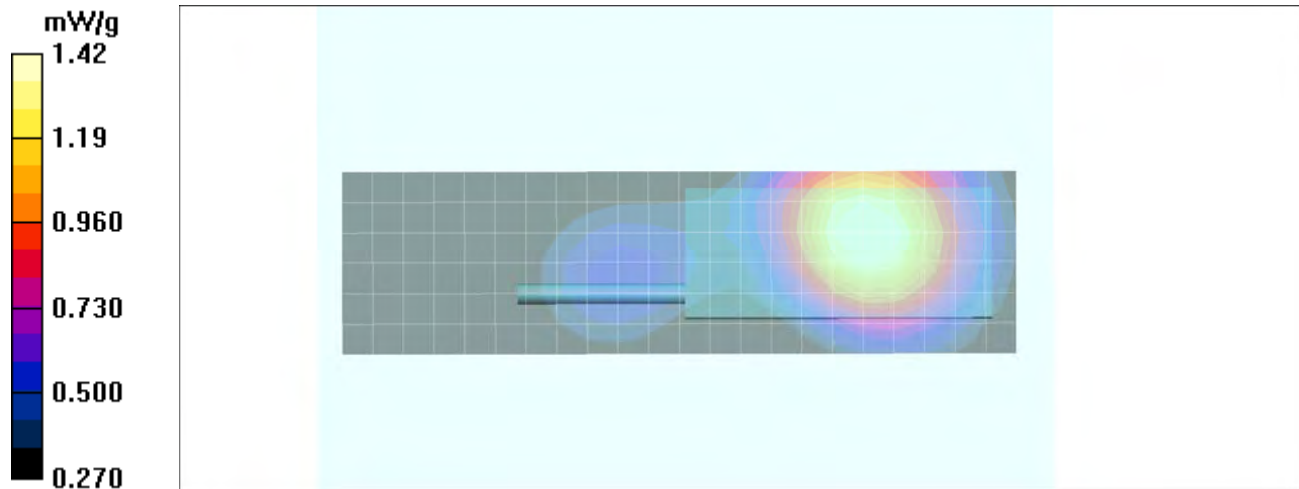
Reference Value = 22.1 V/m; Power Drift = -0.375 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 1.36 mW/g; SAR(10 g) = 1.05 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.42 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 101 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	
Test Lab Certificate No. 2470.01				

Body SAR Plot B40

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.19 mW/g

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

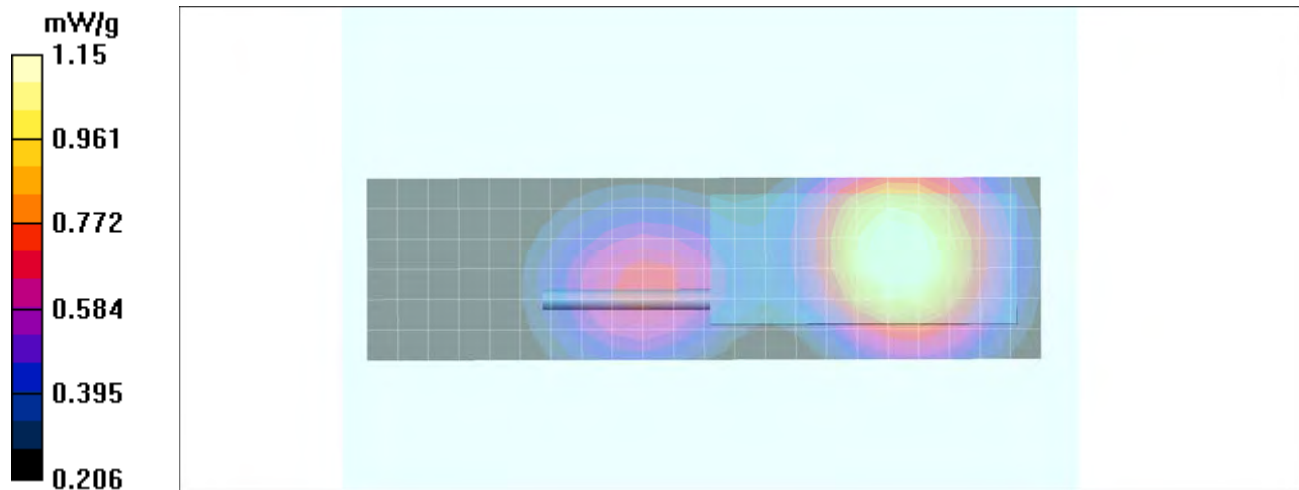
Reference Value = 23.6 V/m; Power Drift = -0.272 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.842 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 102 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B41

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.09 mW/g

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

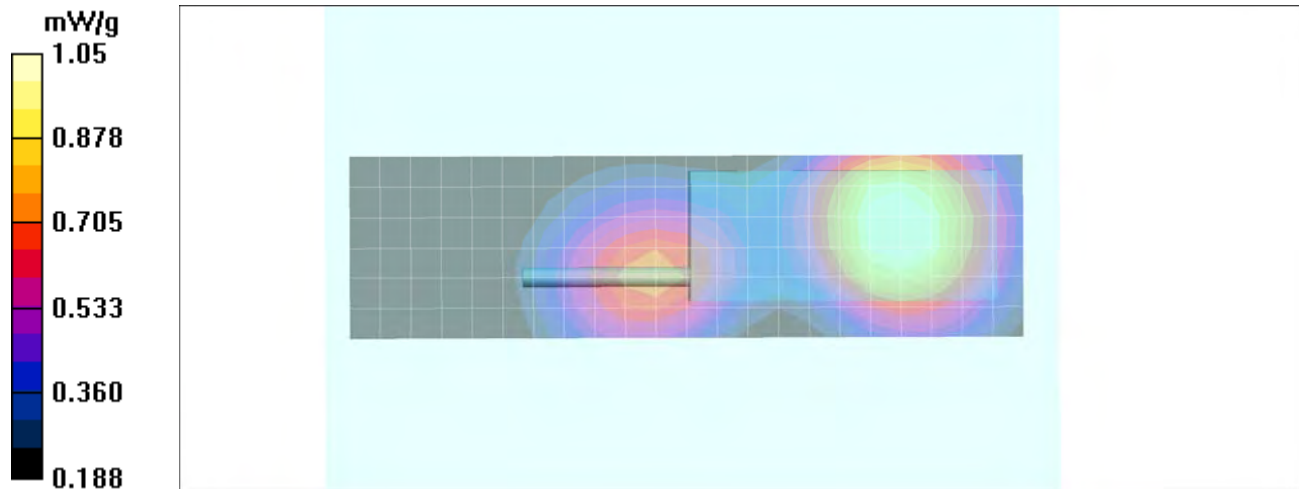
Reference Value = 26.3 V/m; Power Drift = -0.326 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 1.000 mW/g; SAR(10 g) = 0.768 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.05 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 103 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B42

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.48 mW/g

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

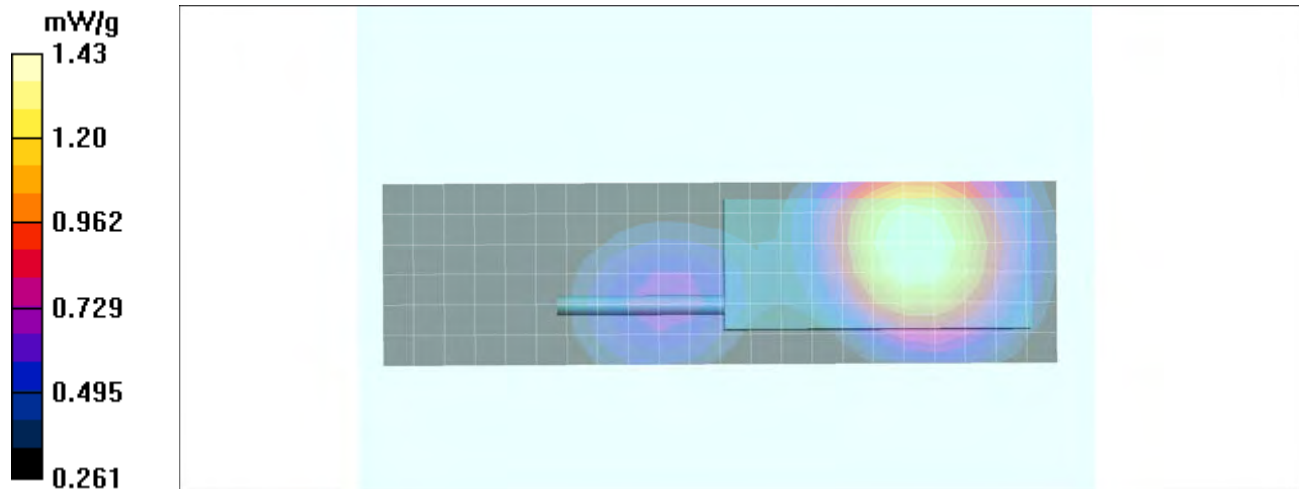
Reference Value = 22.4 V/m; Power Drift = -0.335 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 1.36 mW/g; SAR(10 g) = 1.04 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.43 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 104 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B43

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 776 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 776 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 55.7$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 2.86 mW/g

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

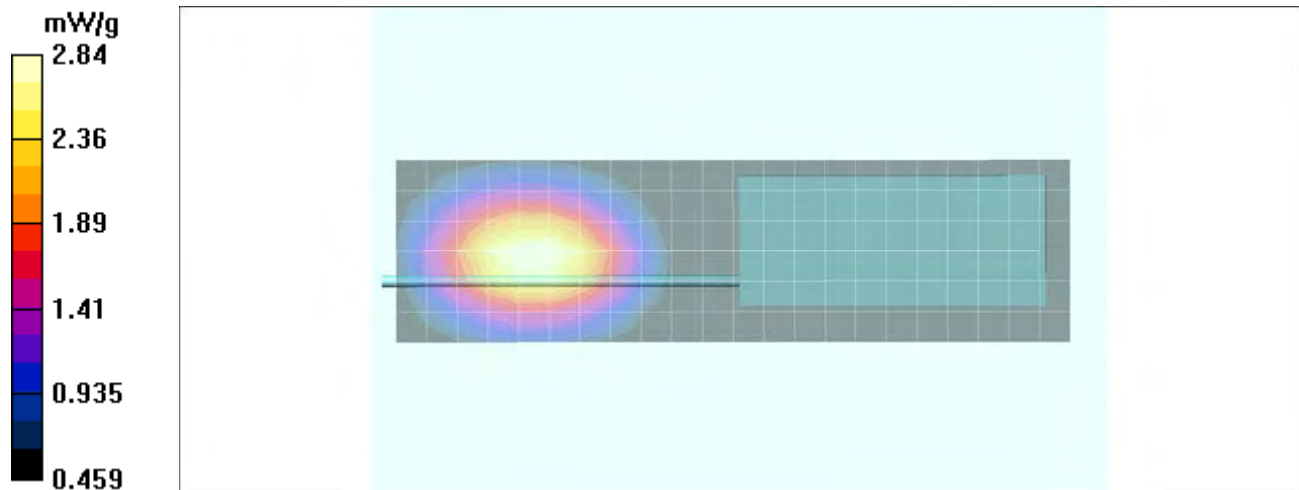
Reference Value = 11.8 V/m; Power Drift = -0.361 dB

Peak SAR (extrapolated) = 3.44 W/kg

SAR(1 g) = 2.69 mW/g; SAR(10 g) = 1.99 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.84 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 105 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B44

Date Tested: 09/05/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 22.3C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 3.48 mW/g

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

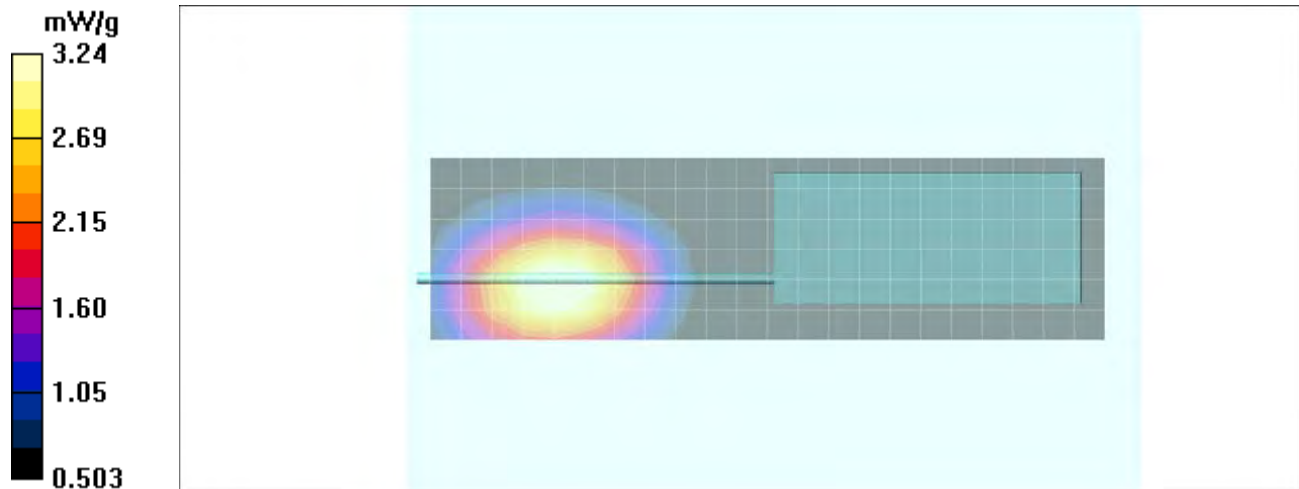
Reference Value = 14.1 V/m; Power Drift = -1.74 dB

Peak SAR (extrapolated) = 3.91 W/kg

SAR(1 g) = 3.06 mW/g; SAR(10 g) = 2.26 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

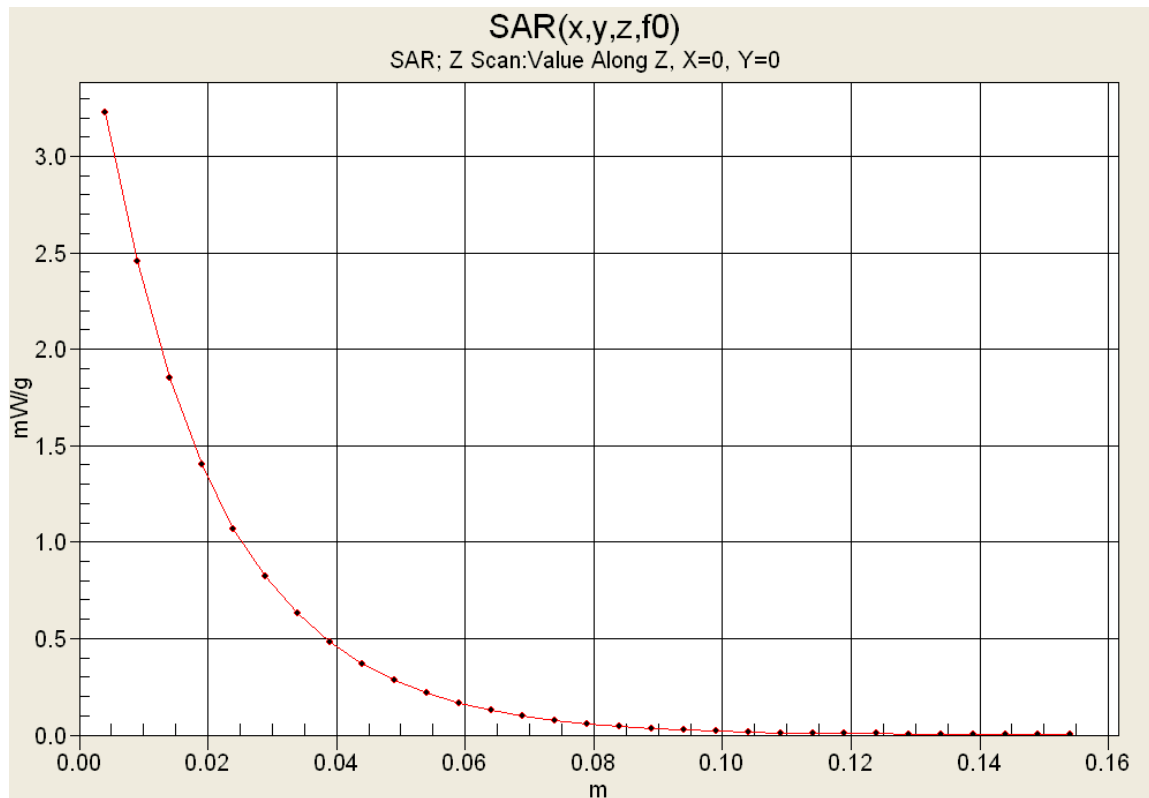
Maximum value of SAR (measured) = 3.24 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 106 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	
Test Lab Certificate No. 2470.01				

Z-Axis Scan



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 107 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B45

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Info: Interpolated medium parameters used for SAR evaluation.

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

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

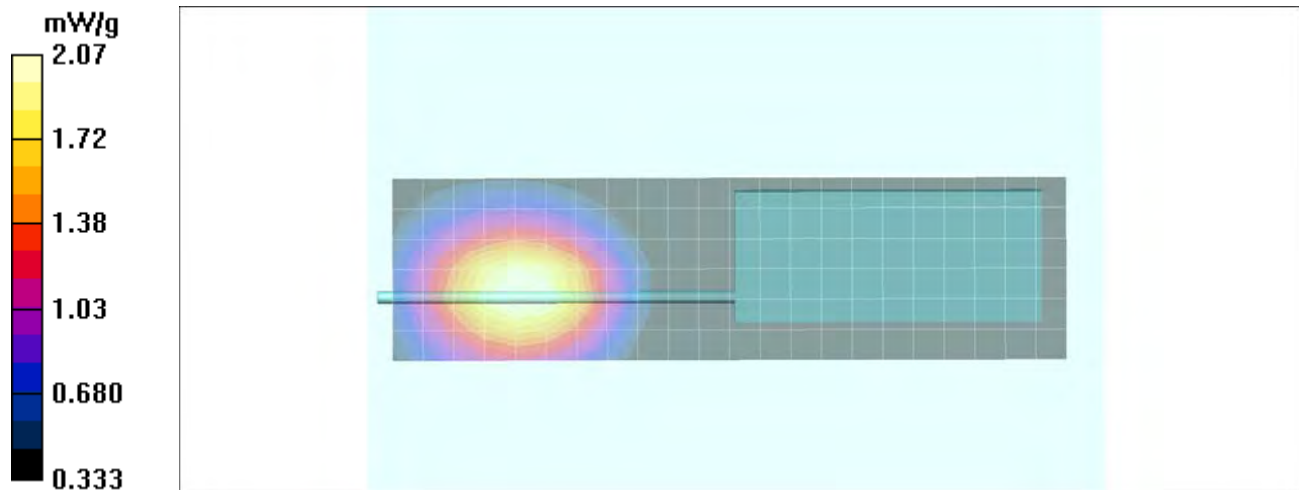
Reference Value = 12.6 V/m; Power Drift = 0.708 dB

Peak SAR (extrapolated) = 2.43 W/kg

SAR(1 g) = 1.96 mW/g; SAR(10 g) = 1.45 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 108 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B46

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.24 mW/g

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

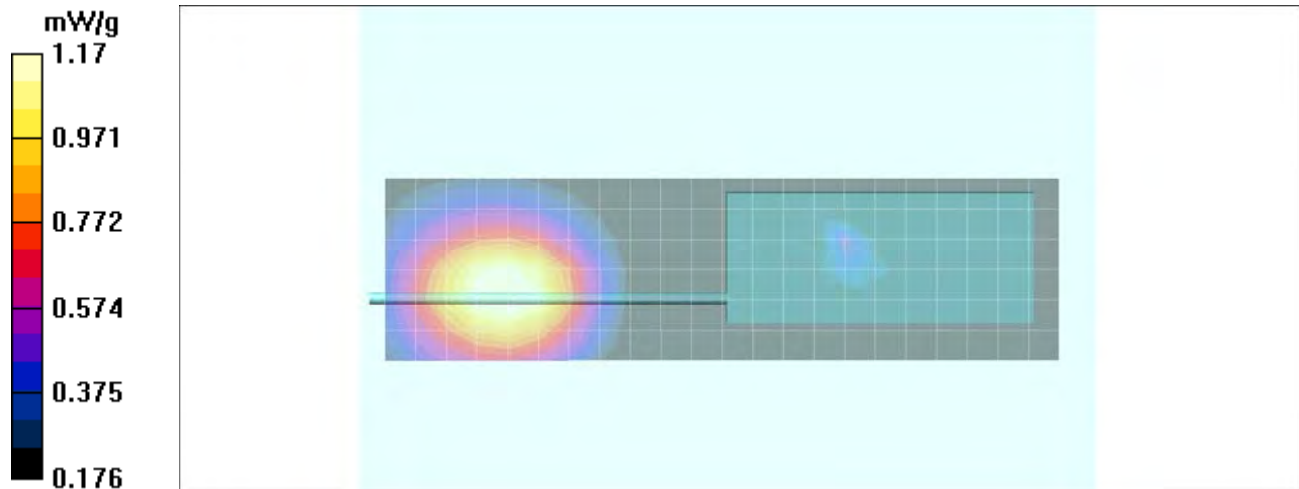
Reference Value = 13.4 V/m; Power Drift = -0.100 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.815 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 109 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B47

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 776 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 776 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 55.7$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 7.31 mW/g

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

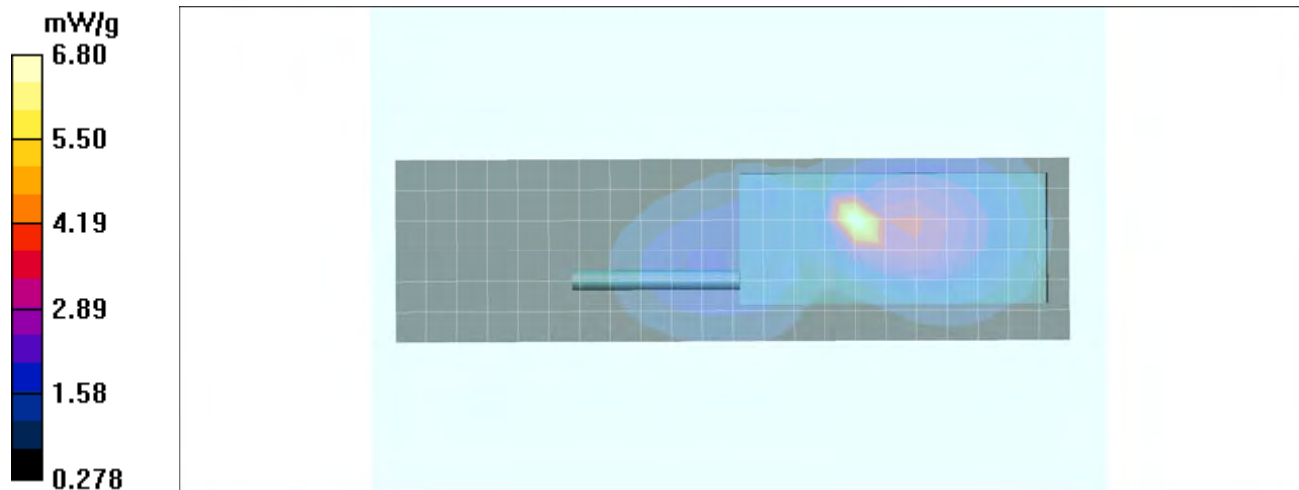
Reference Value = 41.1 V/m; Power Drift = -0.113 dB

Peak SAR (extrapolated) = 26.3 W/kg

SAR(1 g) = 6.46 mW/g; SAR(10 g) = 2.82 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.80 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 110 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B48

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.60 mW/g

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

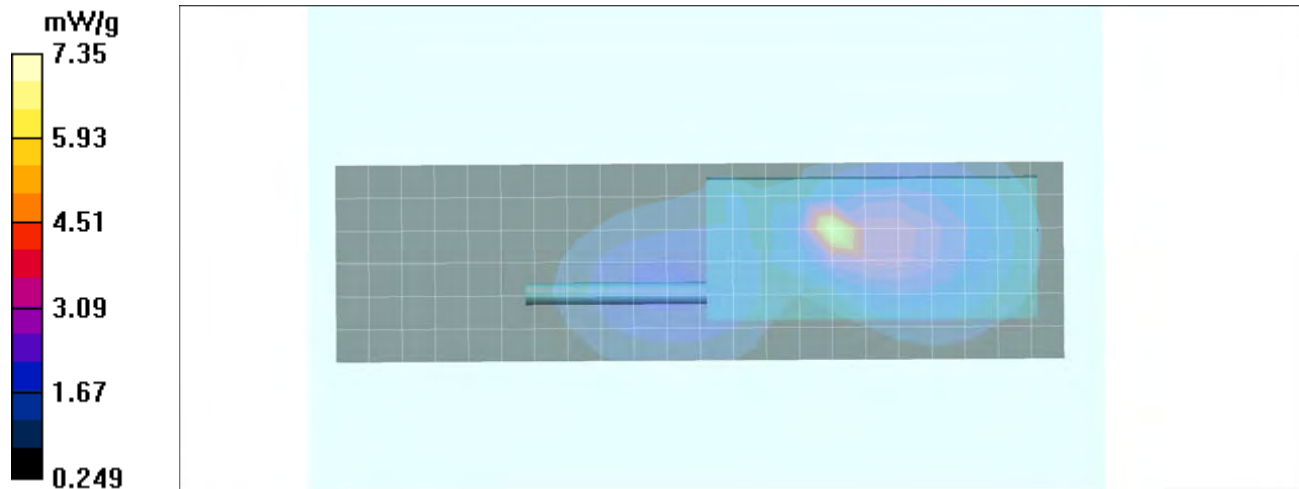
Reference Value = 40.6 V/m; Power Drift = -0.247 dB

Peak SAR (extrapolated) = 31.6 W/kg

SAR(1 g) = 7.23 mW/g; SAR(10 g) = 2.99 mW/g

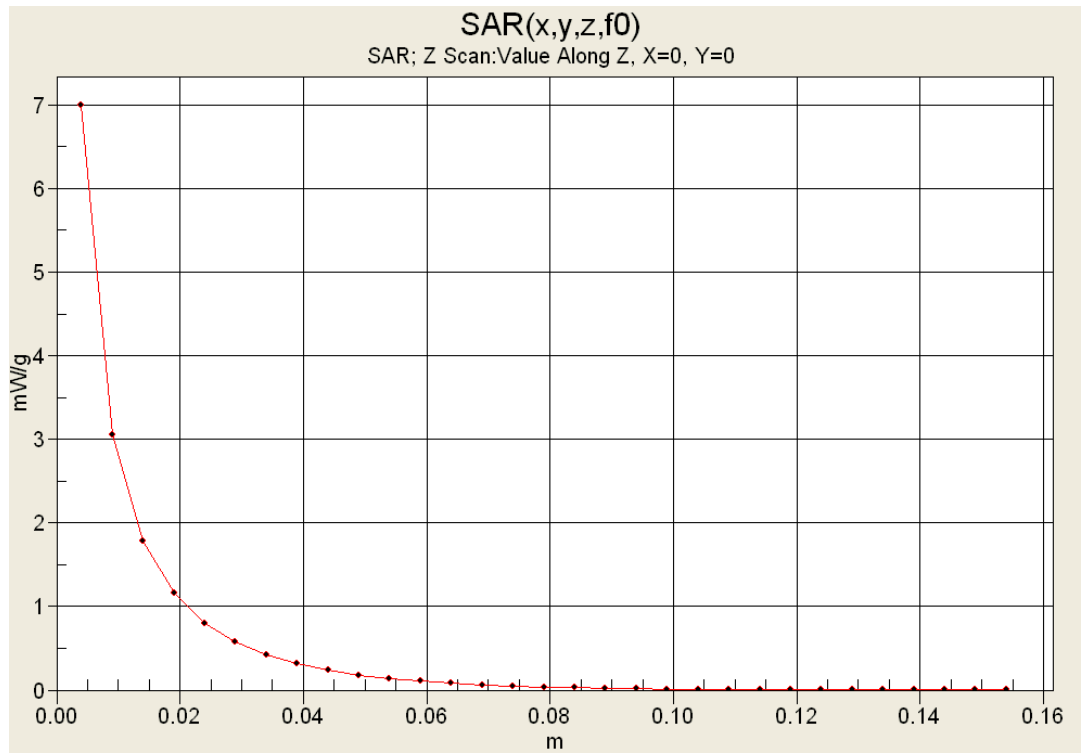
Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 7.35 mW/g

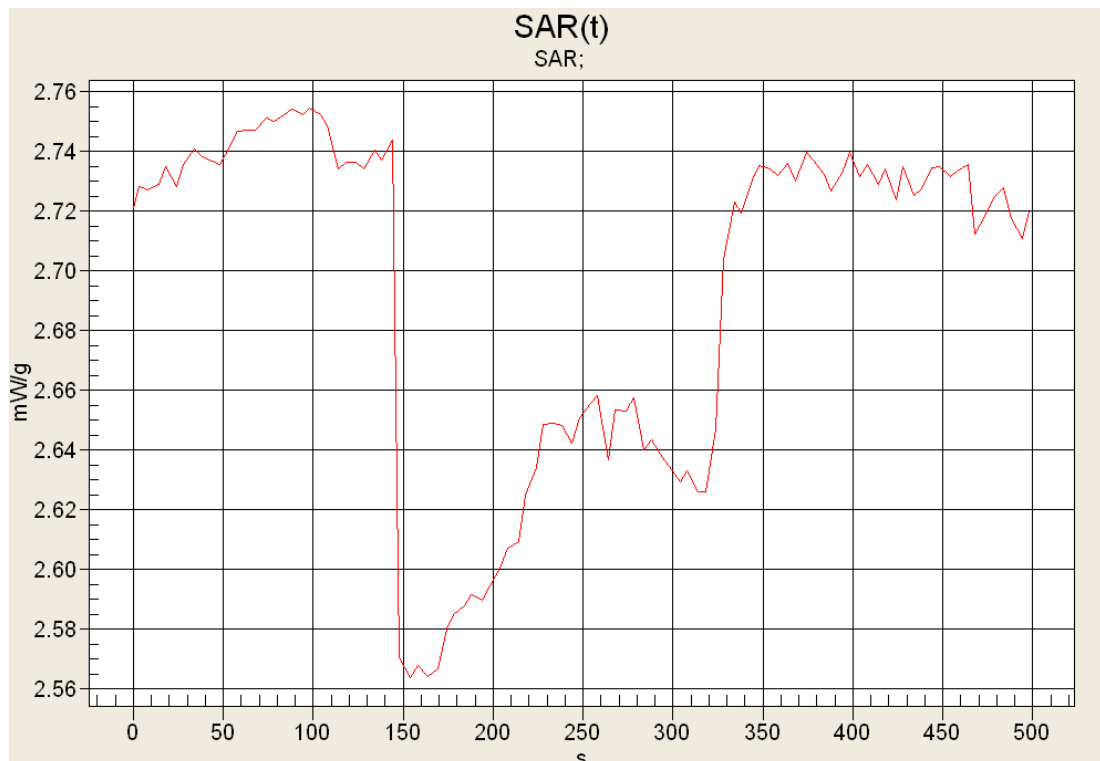


Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 111 of 208

Z-Axis Scan



SAR-versus-Time



	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B49

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 4.65 mW/g

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

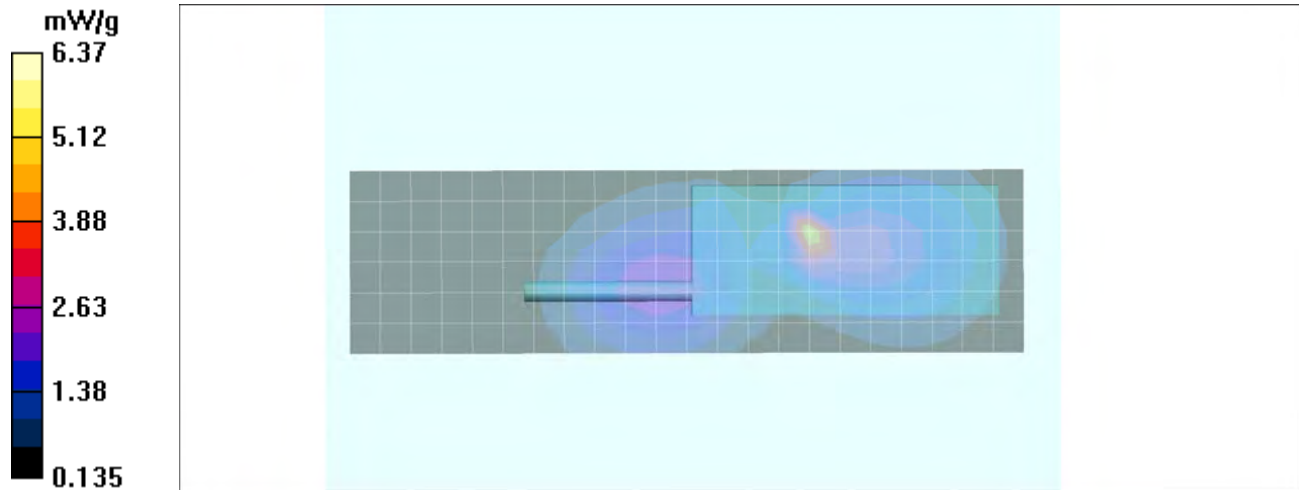
Reference Value = 43.7 V/m; Power Drift = -0.194 dB

Peak SAR (extrapolated) = 29.4 W/kg

SAR(1 g) = 6.28 mW/g; SAR(10 g) = 2.38 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.37 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 113 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B50

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

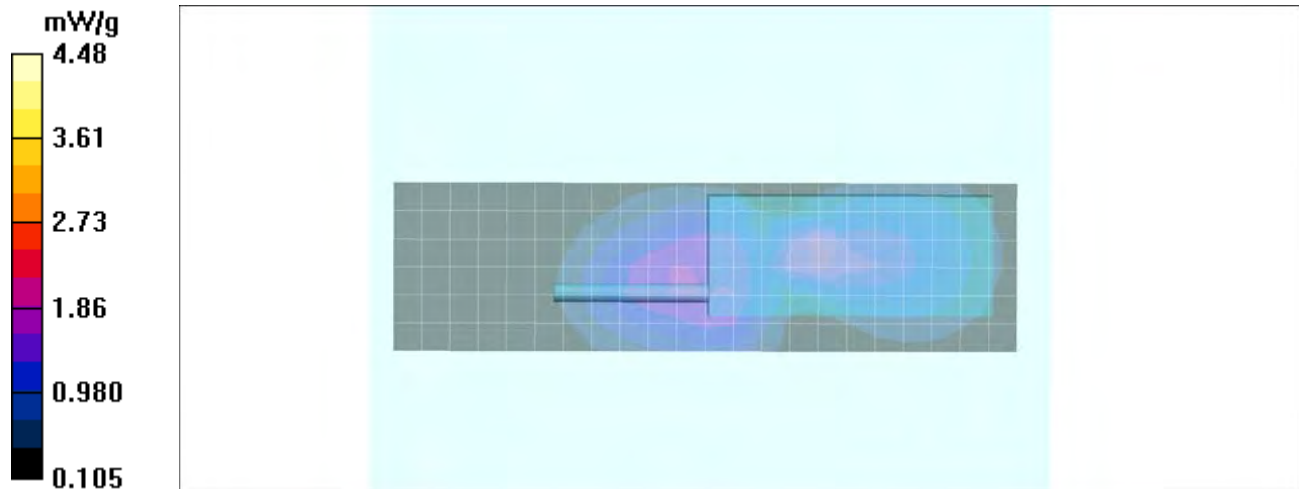
Reference Value = 41.0 V/m; Power Drift = -0.333 dB

Peak SAR (extrapolated) = 18.9 W/kg

SAR(1 g) = 4.42 mW/g; SAR(10 g) = 1.67 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 4.48 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 114 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B51

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 3.65 mW/g

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

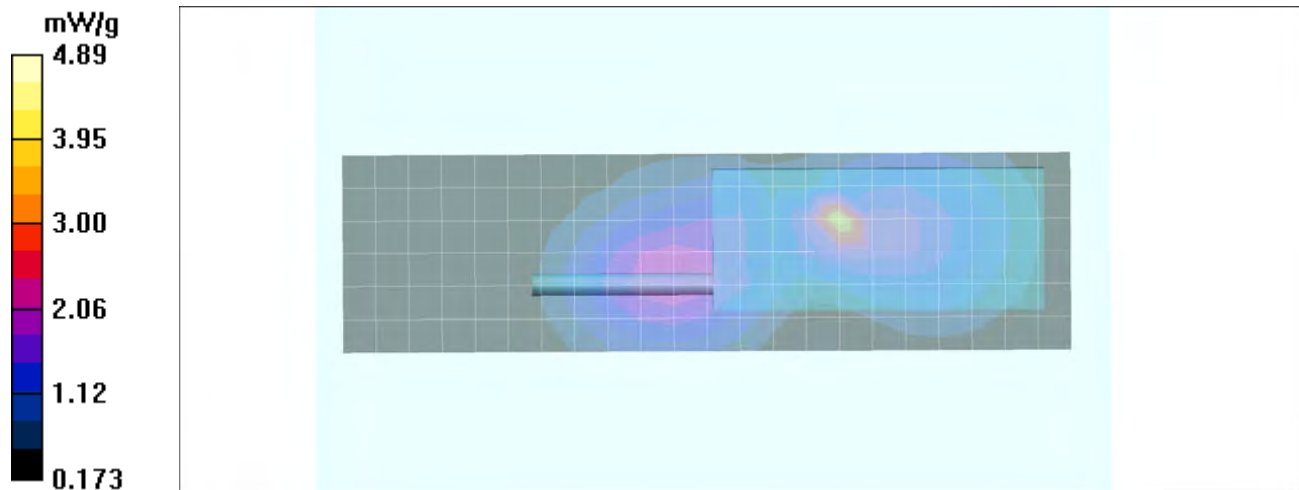
Reference Value = 43.5 V/m; Power Drift = -0.343 dB

Peak SAR (extrapolated) = 22.2 W/kg

SAR(1 g) = 4.88 mW/g; SAR(10 g) = 1.91 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 4.89 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 115 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B52

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 4.39 mW/g

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

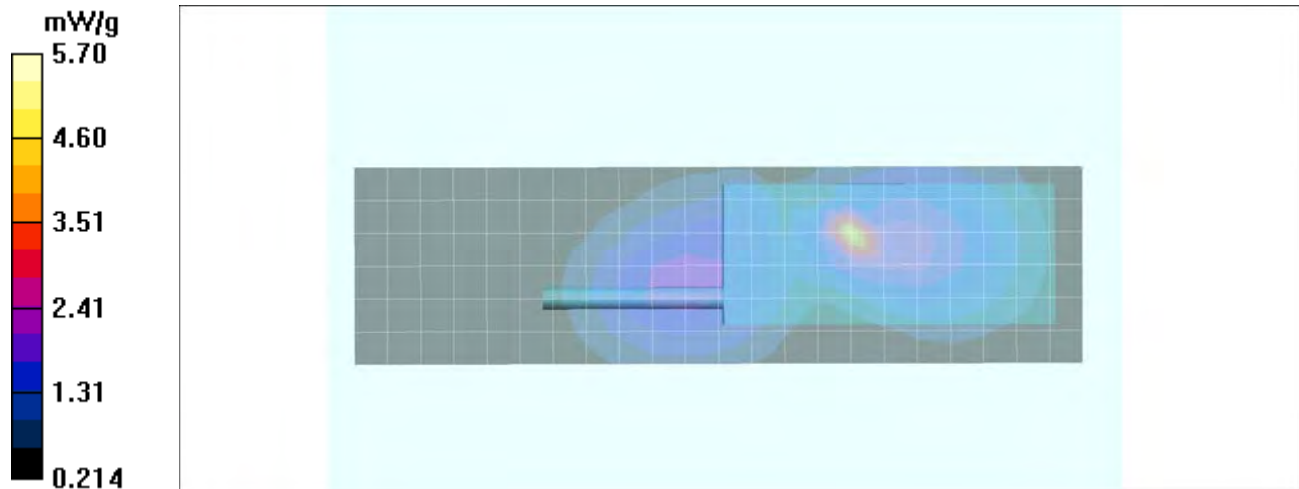
Reference Value = 43.2 V/m; Power Drift = -0.475 dB

Peak SAR (extrapolated) = 25.1 W/kg

SAR(1 g) = 5.64 mW/g; SAR(10 g) = 2.28 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.70 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 116 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B53

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.49 mW/g

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

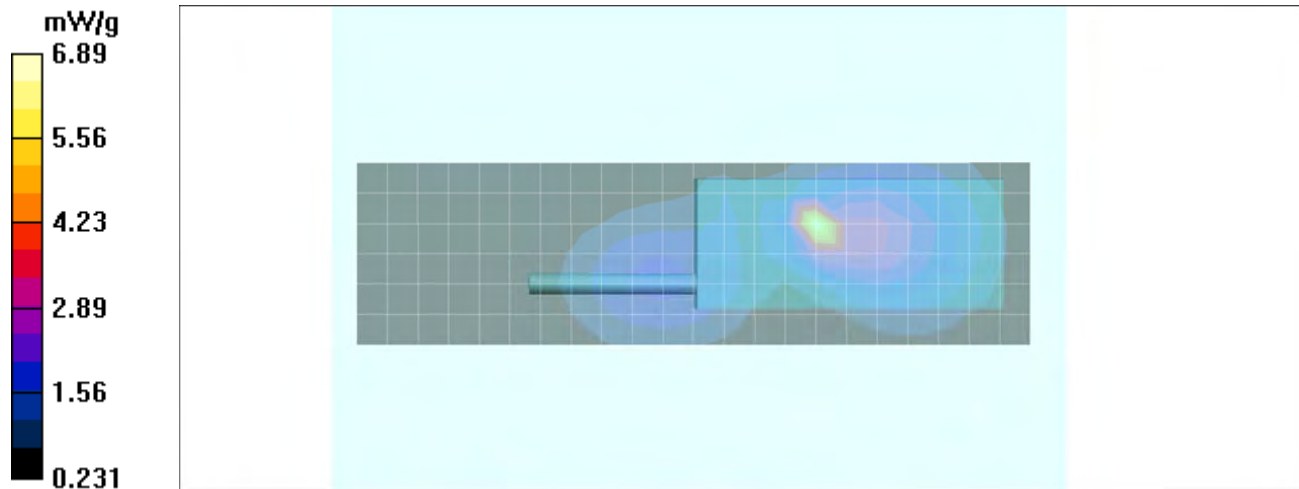
Reference Value = 38.5 V/m; Power Drift = -0.329 dB

Peak SAR (extrapolated) = 29.2 W/kg

SAR(1 g) = 6.68 mW/g; SAR(10 g) = 2.75 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.89 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 117 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	
Test Lab Certificate No. 2470.01				

Body SAR Plot B54

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 3.70 mW/g

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

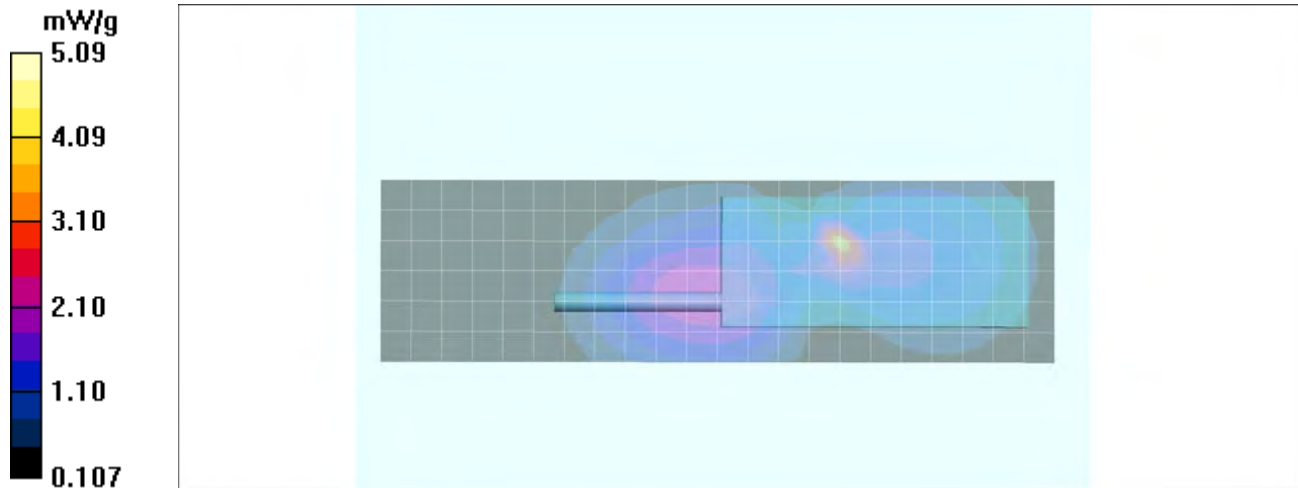
Reference Value = 43.7 V/m; Power Drift = -0.350 dB

Peak SAR (extrapolated) = 21.2 W/kg

SAR(1 g) = 4.8 mW/g; SAR(10 g) = 1.81 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 118 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B55

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 3.40 mW/g

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

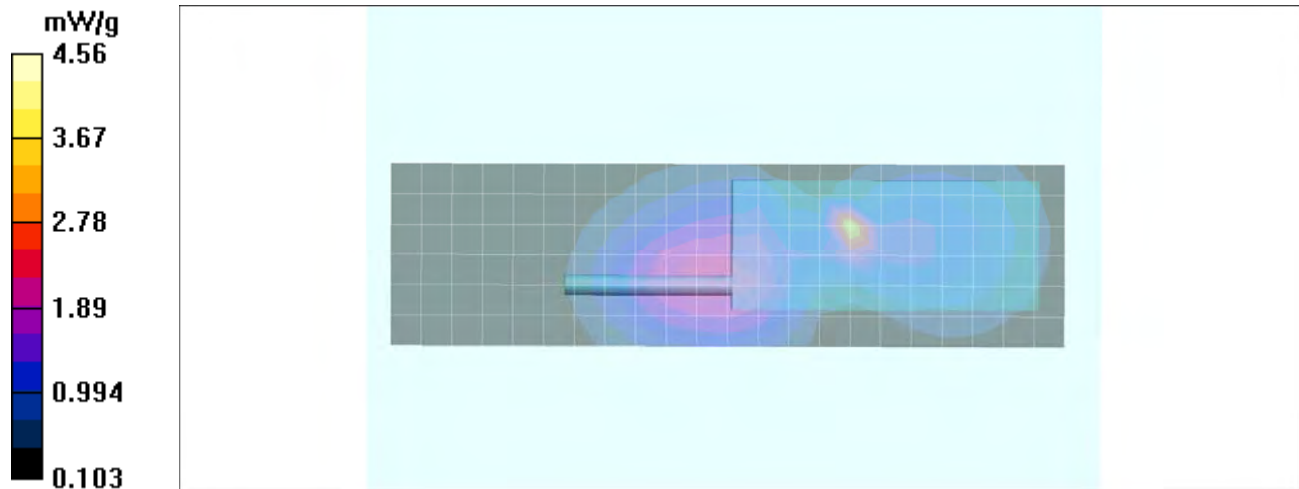
Reference Value = 44.8 V/m; Power Drift = -0.359 dB

Peak SAR (extrapolated) = 20.7 W/kg

SAR(1 g) = 4.37 mW/g; SAR(10 g) = 1.59 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 4.56 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 119 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B56

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 4.51 mW/g

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

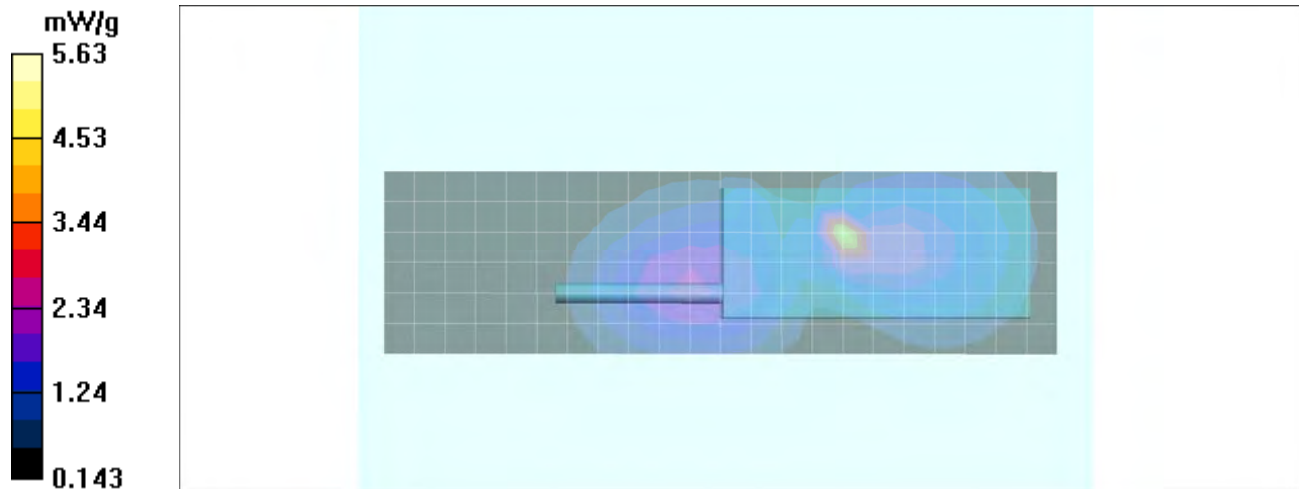
Reference Value = 44.2 V/m; Power Drift = -0.357 dB

Peak SAR (extrapolated) = 27.6 W/kg

SAR(1 g) = 5.65 mW/g; SAR(10 g) = 2.14 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.63 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 120 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B57

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 776 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 776 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 55.7$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.61 mW/g

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

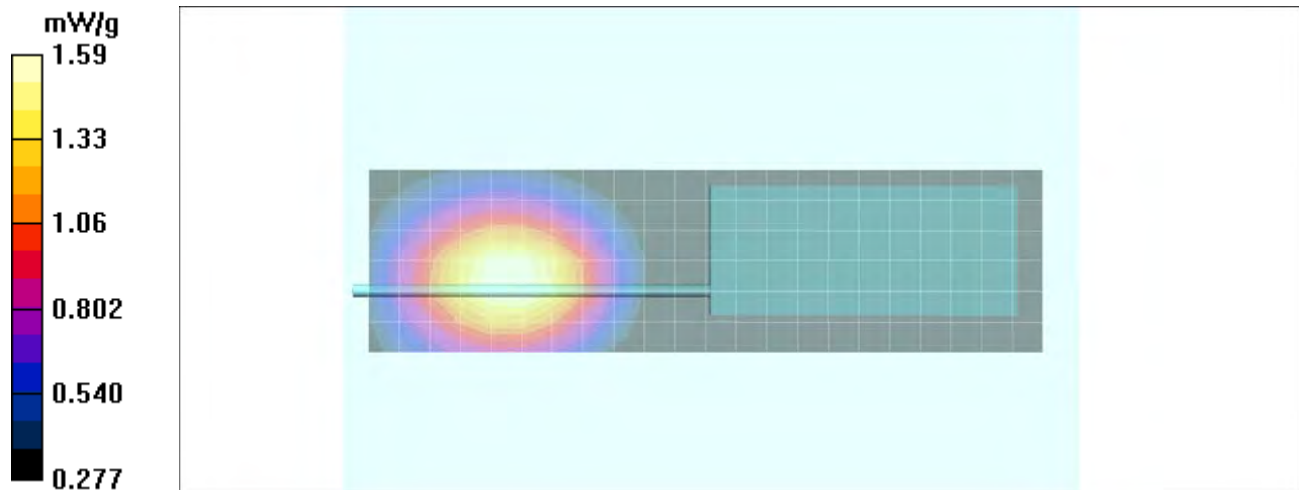
Reference Value = 9.96 V/m; Power Drift = -0.193 dB

Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 1.51 mW/g; SAR(10 g) = 1.14 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 121 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B58

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.91 mW/g

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

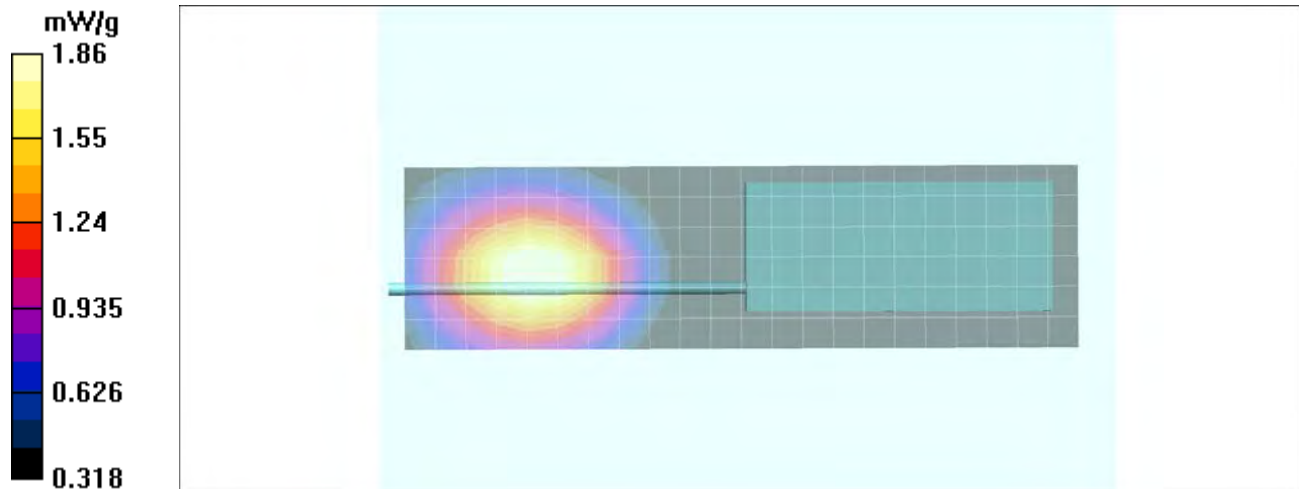
Reference Value = 9.34 V/m; Power Drift = -0.279 dB

Peak SAR (extrapolated) = 2.23 W/kg

SAR(1 g) = 1.76 mW/g; SAR(10 g) = 1.32 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 122 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B59

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.77 mW/g

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

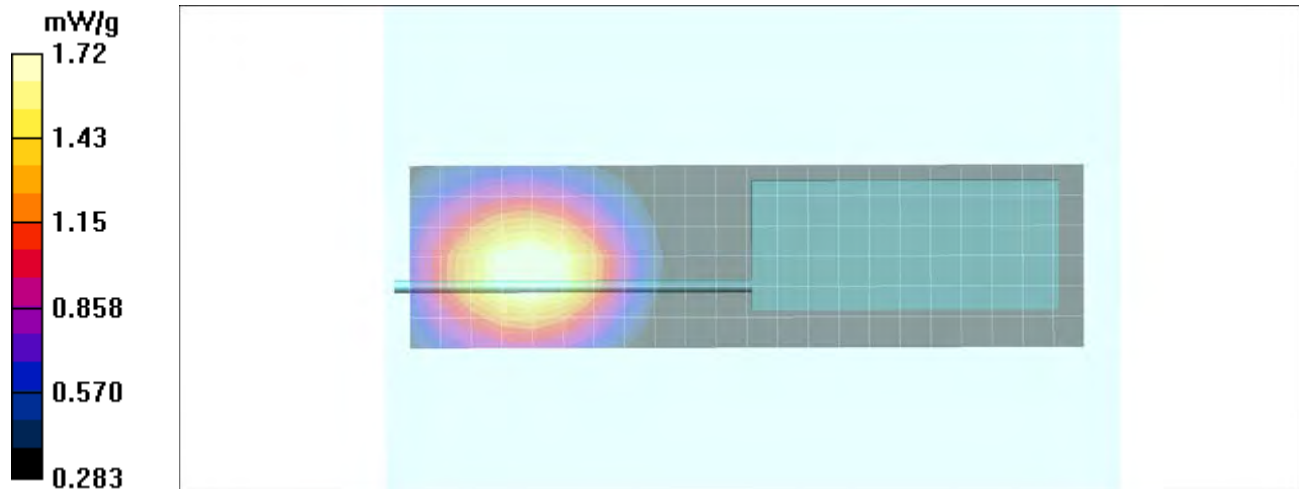
Reference Value = 9.49 V/m; Power Drift = -0.093 dB

Peak SAR (extrapolated) = 2.02 W/kg

SAR(1 g) = 1.63 mW/g; SAR(10 g) = 1.22 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.72 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 123 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B60

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Info: Interpolated medium parameters used for SAR evaluation.

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

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

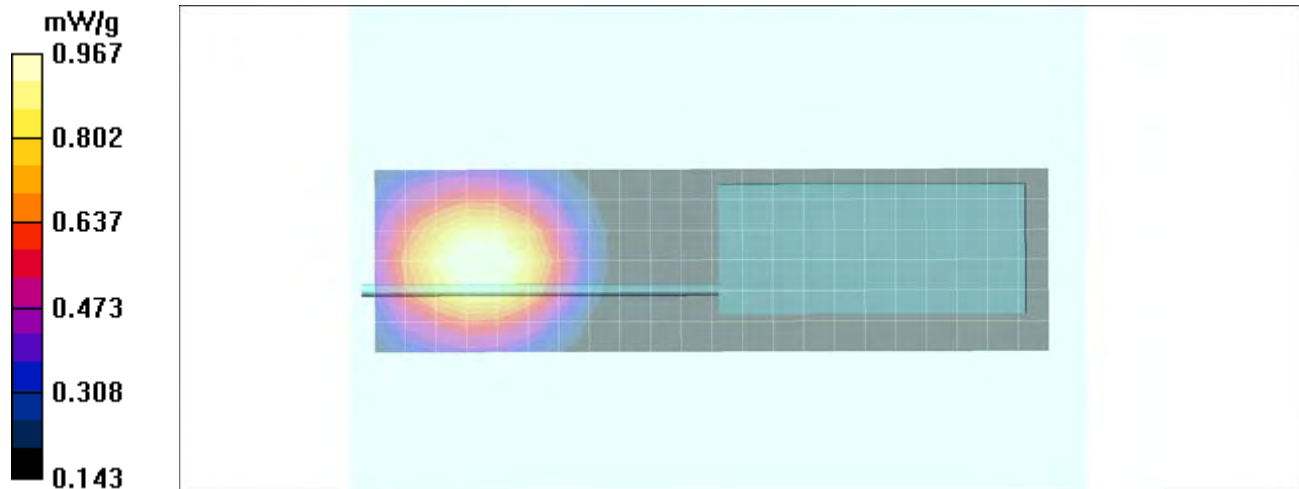
Reference Value = 10.3 V/m; Power Drift = -0.270 dB

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.913 mW/g; SAR(10 g) = 0.674 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.967 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 124 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B61

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 776 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 776 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 55.7$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 2.89 mW/g

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

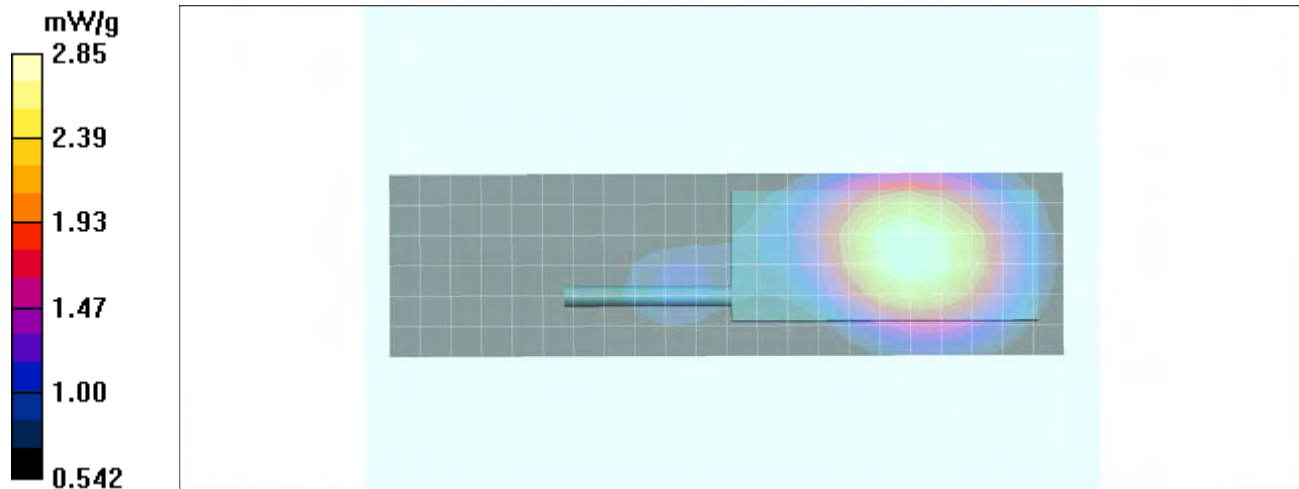
Reference Value = 29.6 V/m; Power Drift = -0.149 dB

Peak SAR (extrapolated) = 3.34 W/kg

SAR(1 g) = 2.72 mW/g; SAR(10 g) = 2.07 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.85 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 125 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B62

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 2.98 mW/g

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

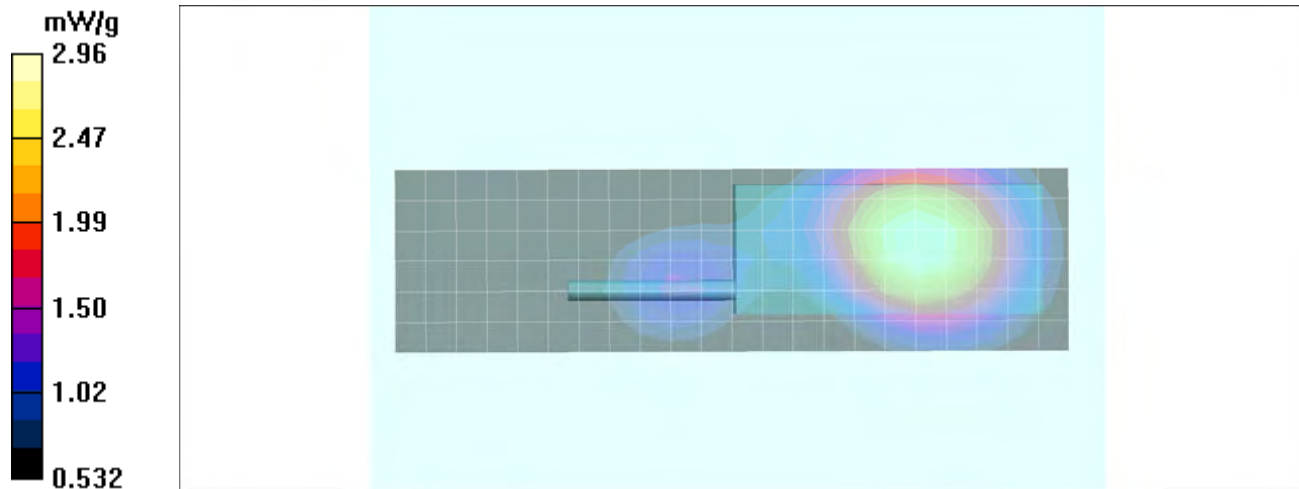
Reference Value = 31.1 V/m; Power Drift = -0.225 dB

Peak SAR (extrapolated) = 3.47 W/kg

SAR(1 g) = 2.8 mW/g; SAR(10 g) = 2.13 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.96 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 126 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B63

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 2.49 mW/g

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

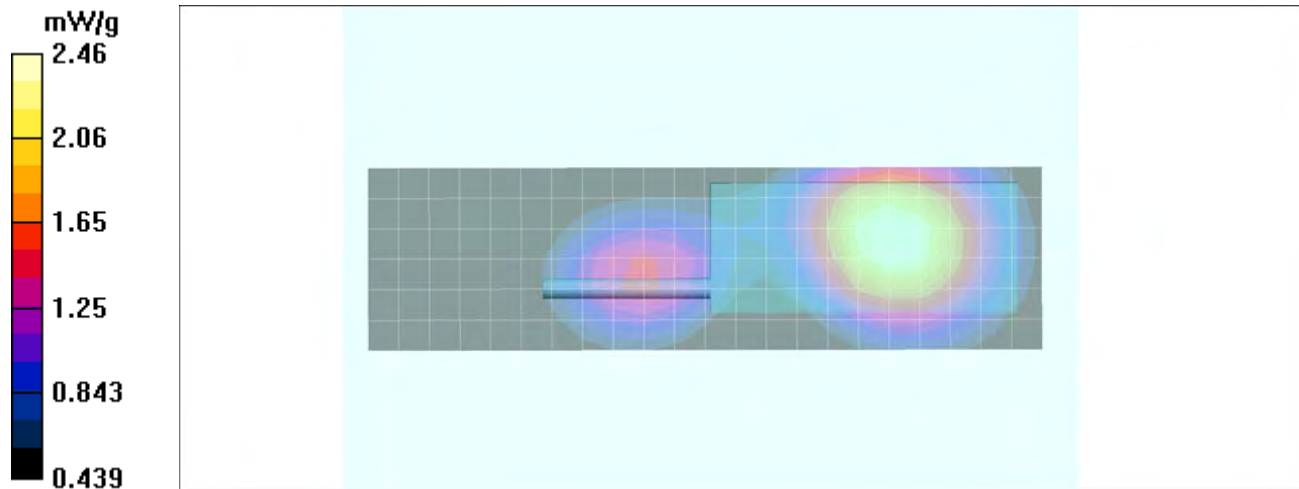
Reference Value = 31.8 V/m; Power Drift = -0.127 dB

Peak SAR (extrapolated) = 2.83 W/kg

SAR(1 g) = 2.35 mW/g; SAR(10 g) = 1.79 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 127 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B64

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 869 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 869 \text{ MHz}$; $\sigma = 1 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.49 mW/g

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

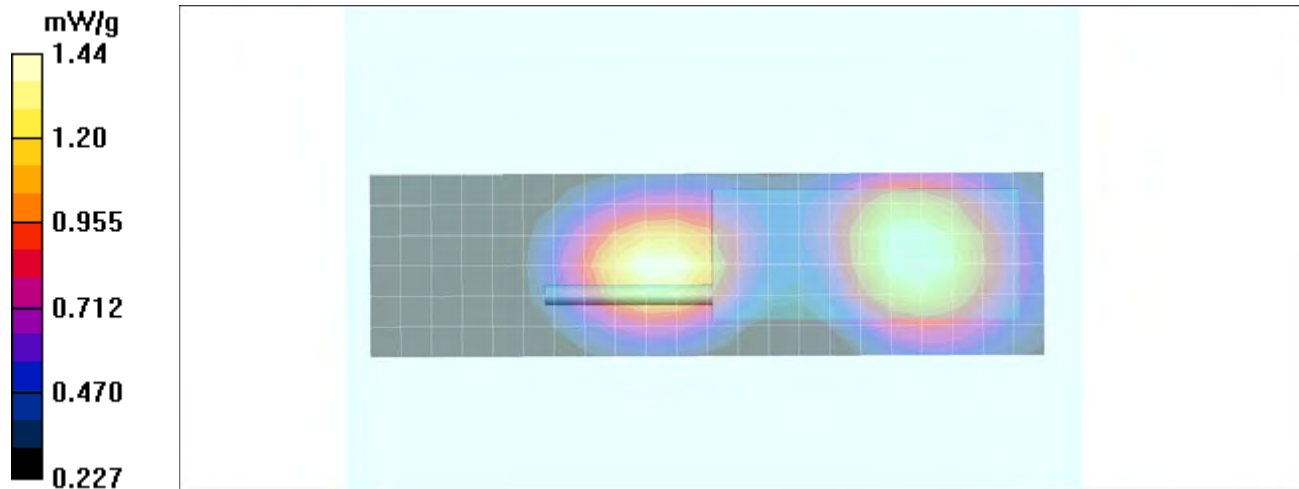
Reference Value = 34.8 V/m; Power Drift = -0.399 dB

Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 1.37 mW/g; SAR(10 g) = 1.03 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 128 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B65

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.80 mW/g

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

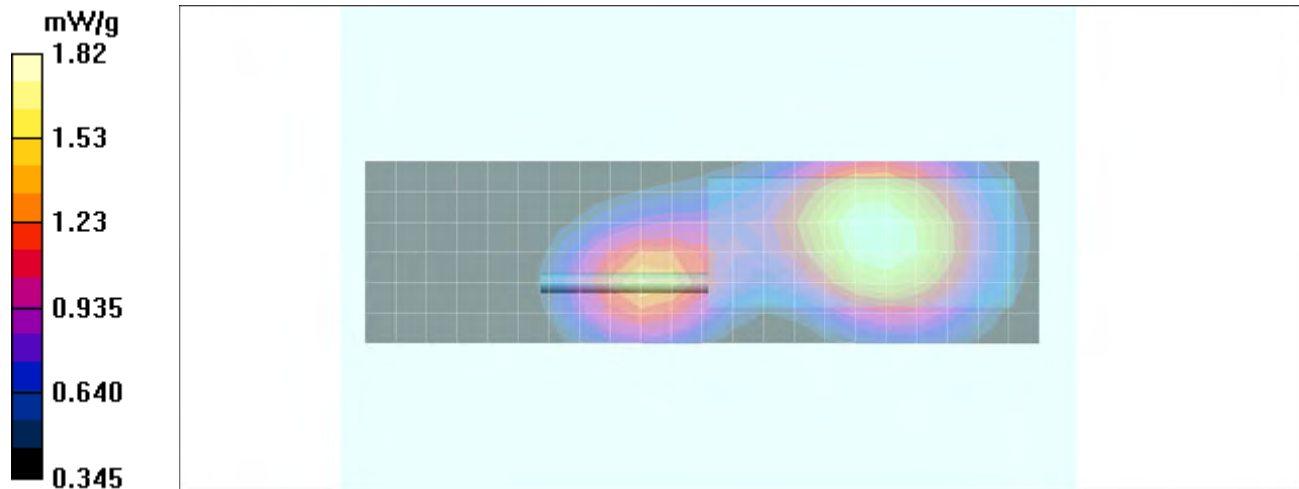
Reference Value = 33.6 V/m; Power Drift = -0.272 dB

Peak SAR (extrapolated) = 2.16 W/kg

SAR(1 g) = 1.73 mW/g; SAR(10 g) = 1.32 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 129 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B66

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 2.49 mW/g

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

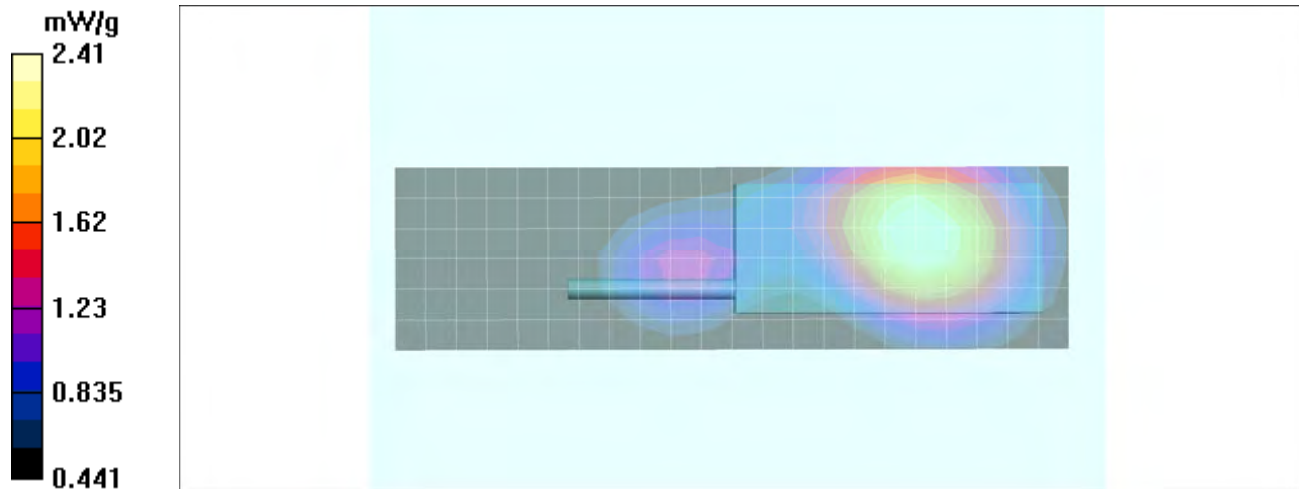
Reference Value = 32.3 V/m; Power Drift = -0.241 dB

Peak SAR (extrapolated) = 2.83 W/kg

SAR(1 g) = 2.29 mW/g; SAR(10 g) = 1.74 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 130 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B67

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 2.69 mW/g

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

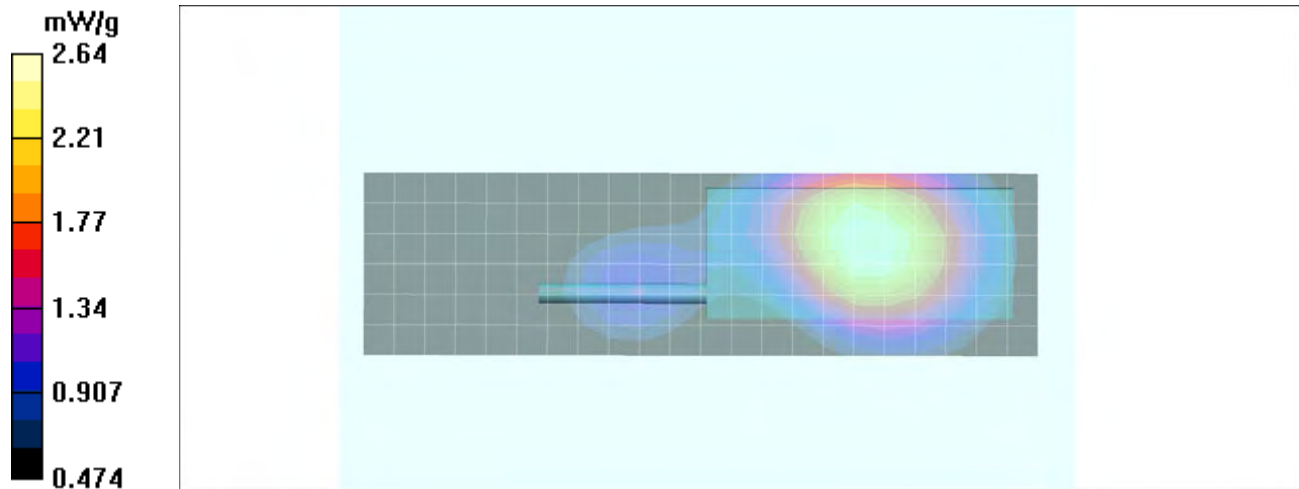
Reference Value = 29.4 V/m; Power Drift = -0.241 dB

Peak SAR (extrapolated) = 3.12 W/kg

SAR(1 g) = 2.51 mW/g; SAR(10 g) = 1.91 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 131 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B68

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Info: Interpolated medium parameters used for SAR evaluation.

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

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

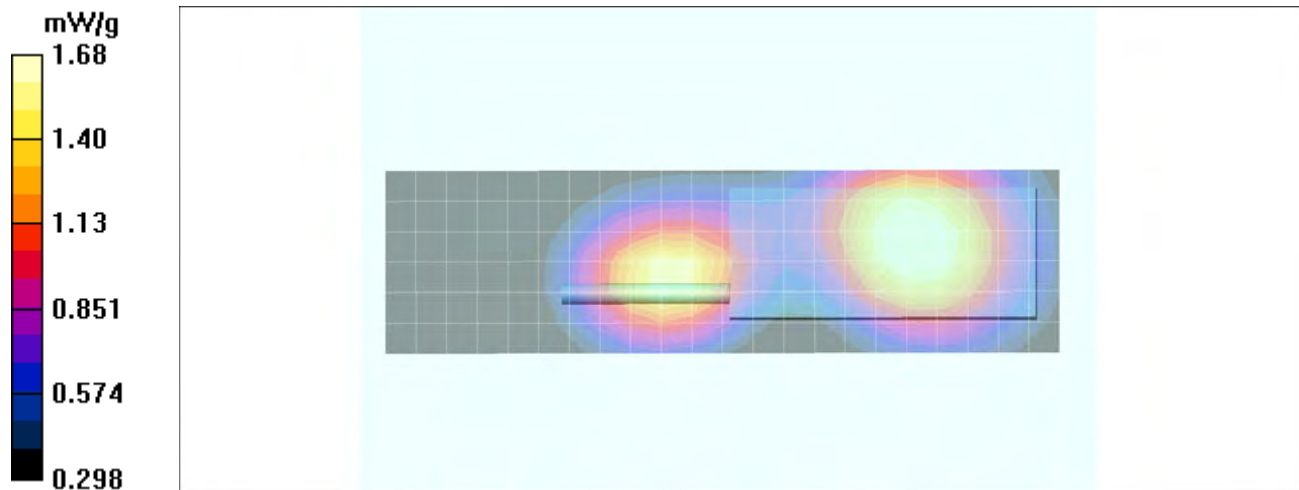
Reference Value = 35.1 V/m; Power Drift = -0.194 dB

Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 1.6 mW/g; SAR(10 g) = 1.23 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 132 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B69

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Info: Interpolated medium parameters used for SAR evaluation.

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

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

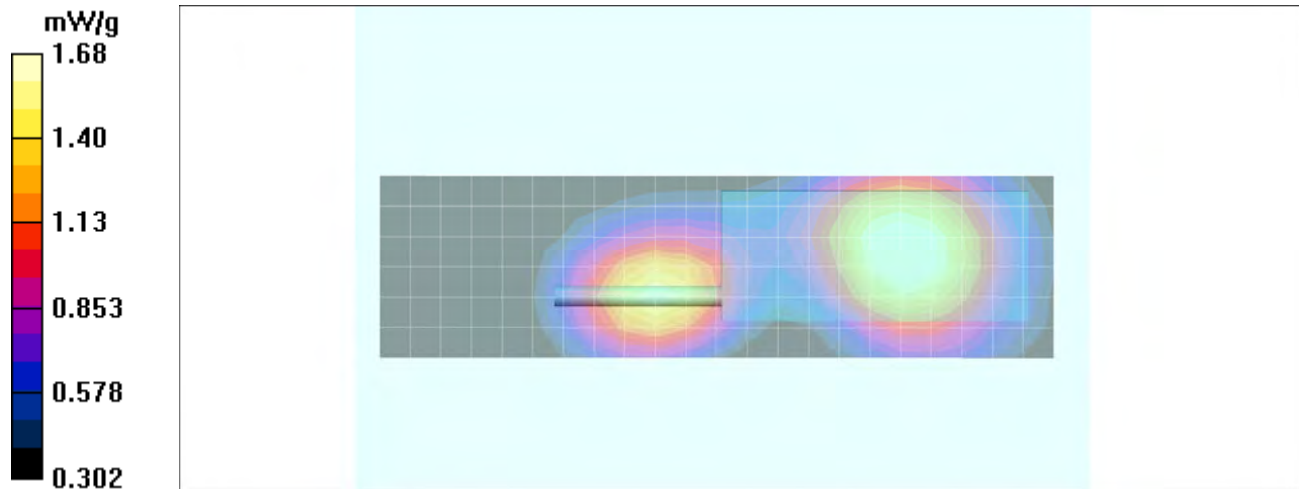
Reference Value = 31.8 V/m; Power Drift = -0.057 dB

Peak SAR (extrapolated) = 1.94 W/kg

SAR(1 g) = 1.6 mW/g; SAR(10 g) = 1.23 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 133 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B70

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 14

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 2.19 mW/g

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

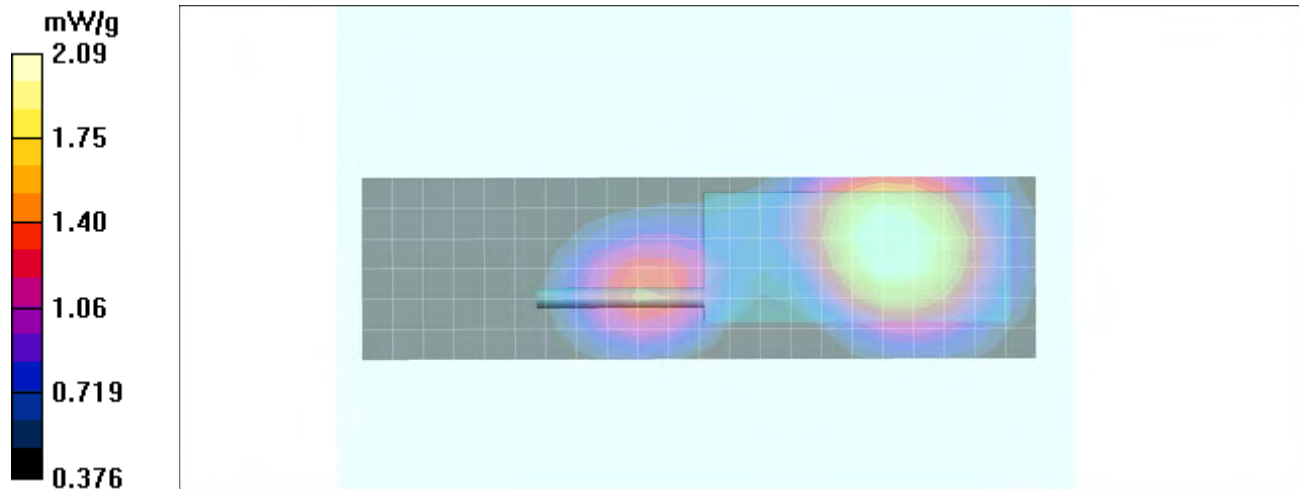
Reference Value = 32.6 V/m; Power Drift = -0.310 dB

Peak SAR (extrapolated) = 2.40 W/kg

SAR(1 g) = 1.99 mW/g; SAR(10 g) = 1.52 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 134 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B71

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 35

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 5.67 mW/g

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

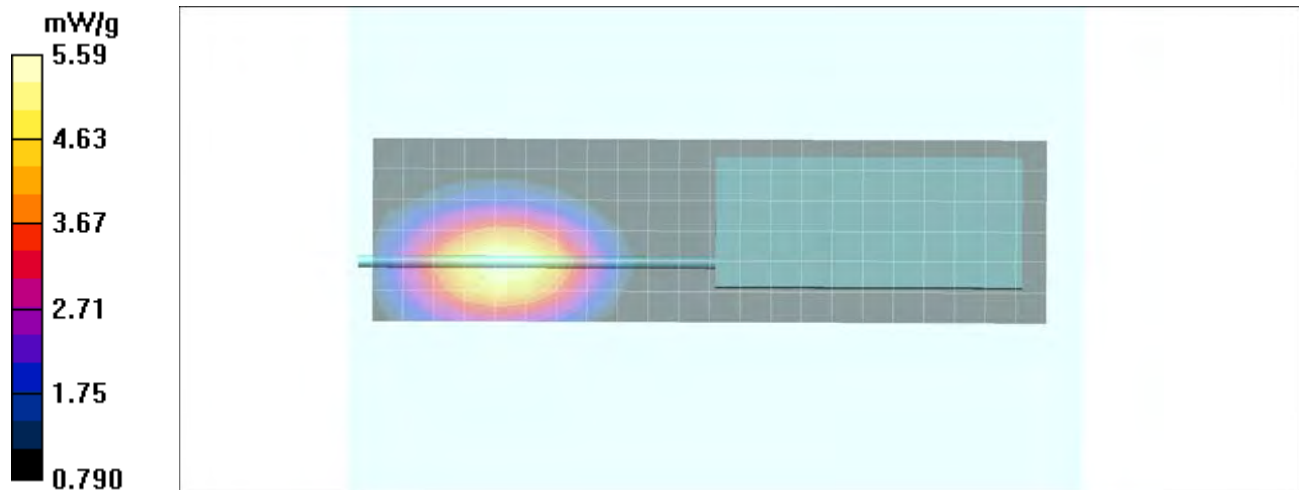
Reference Value = 15.4 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 6.87 W/kg

SAR(1 g) = 5.25 mW/g; SAR(10 g) = 3.78 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.59 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 135 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B72

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 35

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 776 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 776 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 55.7$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 5.68 mW/g

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

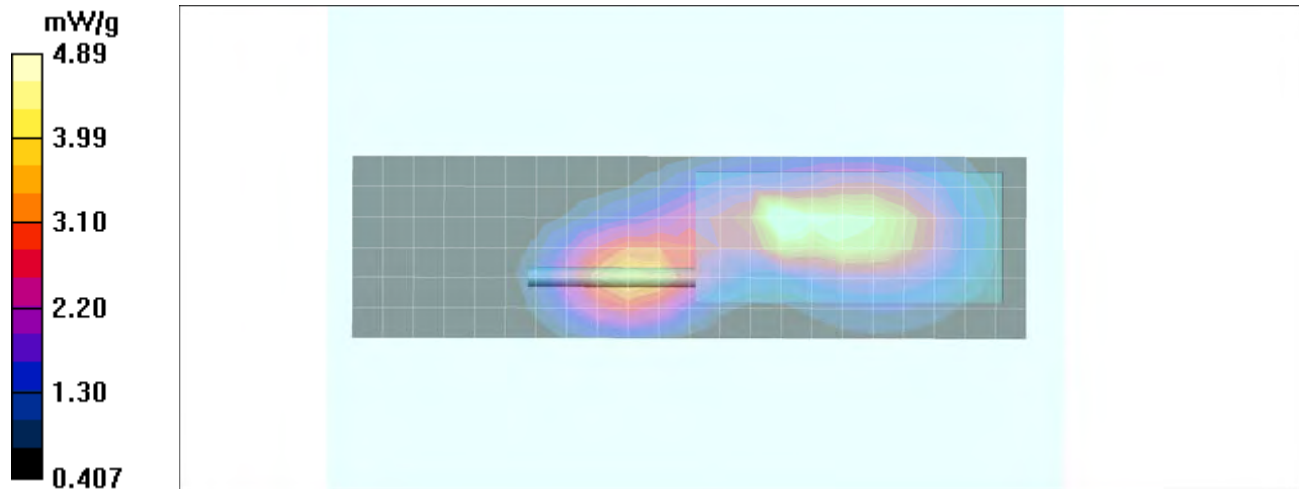
Reference Value = 54.1 V/m; Power Drift = 0.066 dB

Peak SAR (extrapolated) = 9.43 W/kg

SAR(1 g) = 4.49 mW/g; SAR(10 g) = 2.78 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 4.89 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 136 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B73

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 35

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 776 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 776 \text{ MHz}$; $\sigma = 0.912 \text{ mho/m}$; $\epsilon_r = 55.7$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.24 mW/g

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

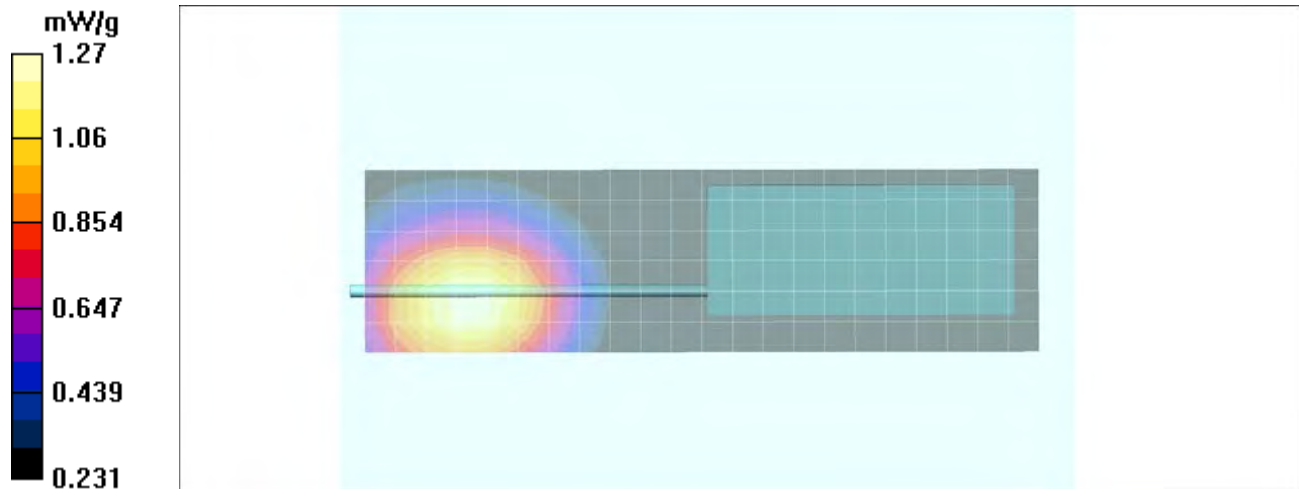
Reference Value = 8.35 V/m; Power Drift = -0.273 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.912 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 137 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B74

Date Tested: 09/06/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 35

Ambient Temp: 23C; Fluid Temp: 21.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.948 \text{ mho/m}$; $\epsilon_r = 55.6$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

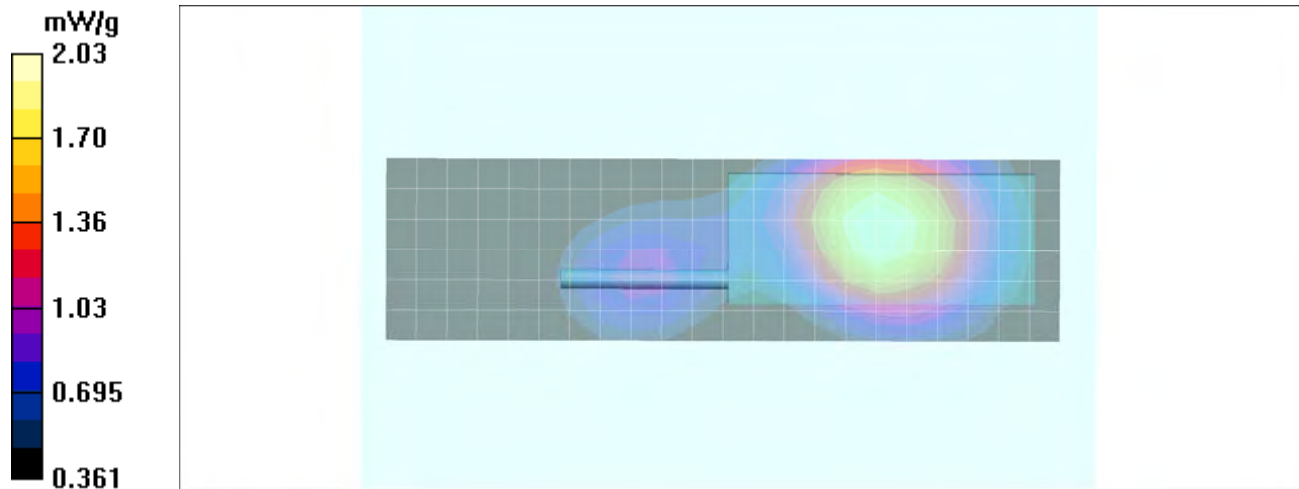
Reference Value = 26.6 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 2.38 W/kg

SAR(1 g) = 1.94 mW/g; SAR(10 g) = 1.48 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 138 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B75

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 35

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 824 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 824 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 54.4$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 0.877 mW/g

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

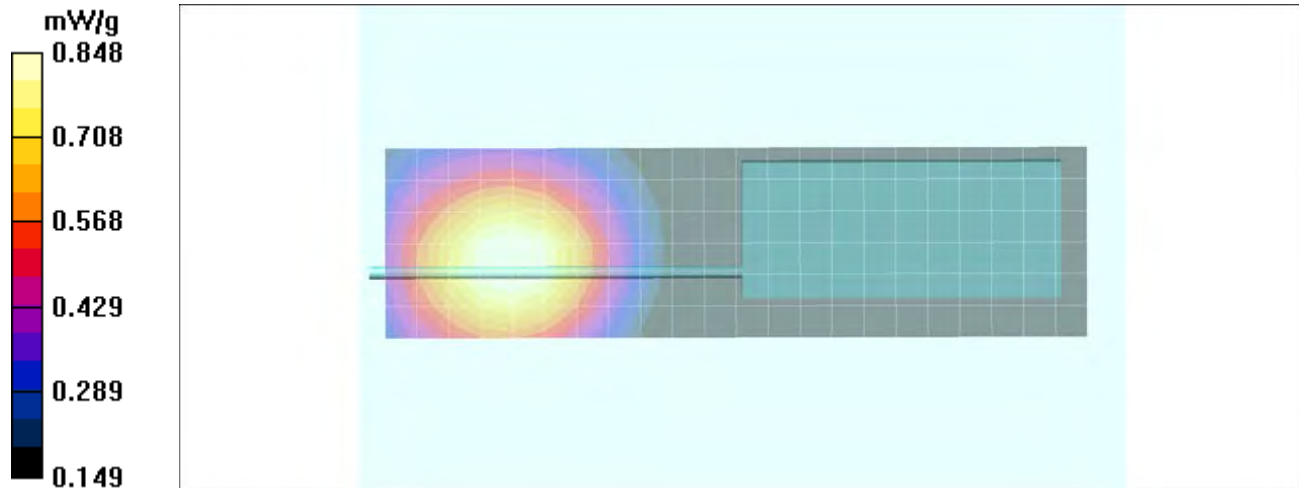
Reference Value = 7.29 V/m; Power Drift = -0.259 dB

Peak SAR (extrapolated) = 0.992 W/kg

SAR(1 g) = 0.804 mW/g; SAR(10 g) = 0.605 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 0.848 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 139 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B76

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 35

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.928 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.62 mW/g

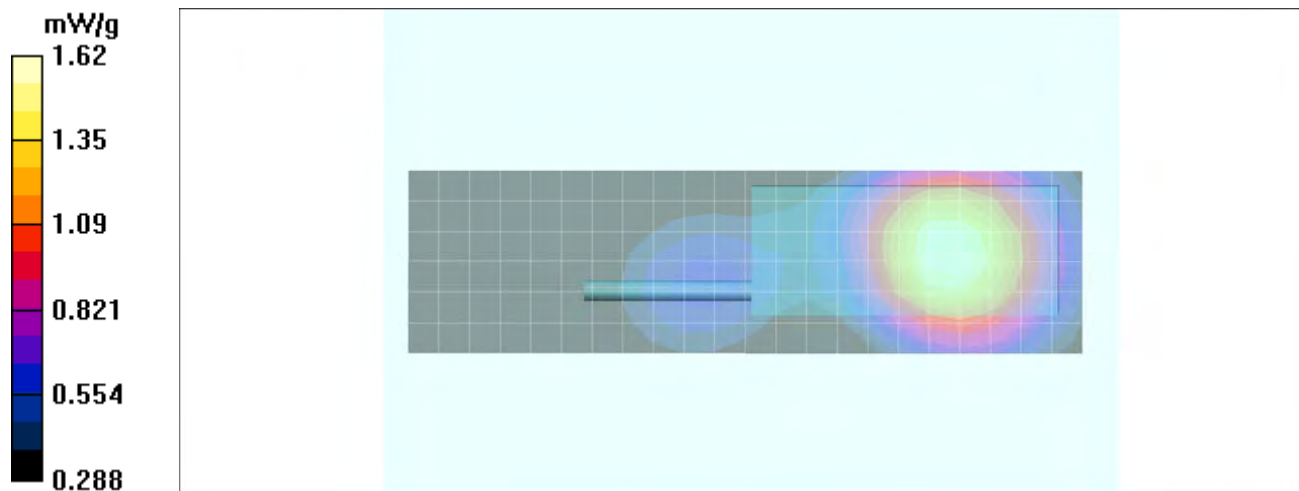
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 23.3 V/m; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 1.54 mW/g; SAR(10 g) = 1.17 mW/g

Info: Interpolated medium parameters used for SAR evaluation.



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 140 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B77

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 35

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.928 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

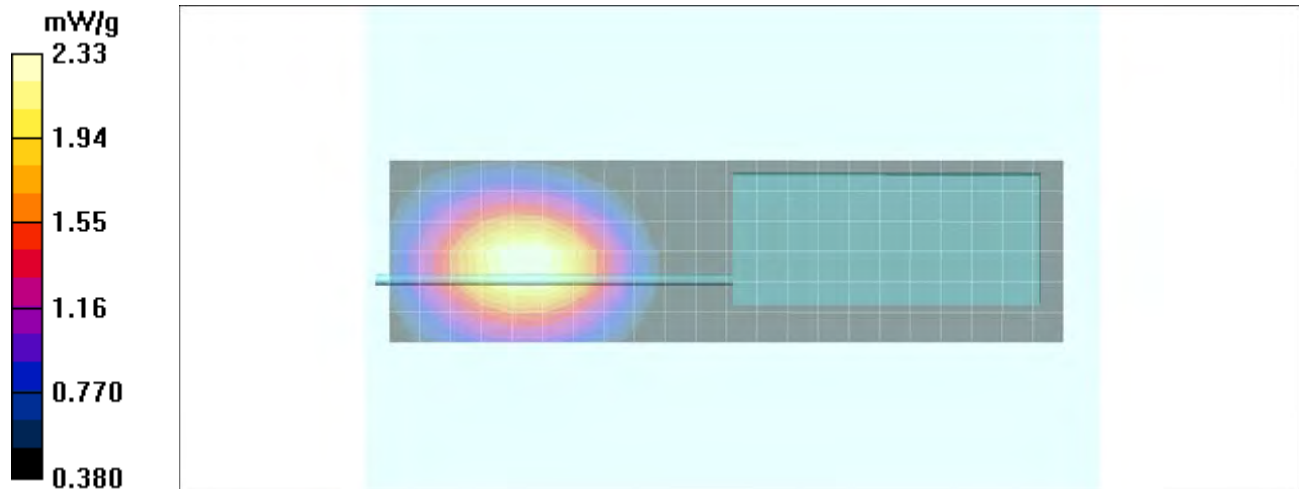
Reference Value = 11.7 V/m; Power Drift = -0.071 dB

Peak SAR (extrapolated) = 2.80 W/kg

SAR(1 g) = 2.21 mW/g; SAR(10 g) = 1.64 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 141 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B78

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 35

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.928 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.55 mW/g

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

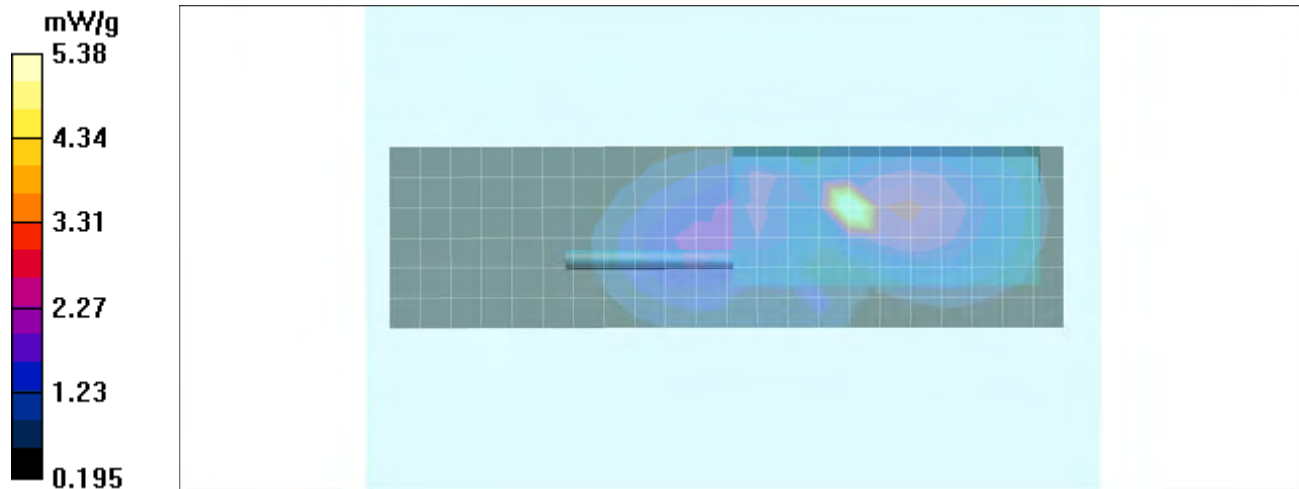
Reference Value = 44.7 V/m; Power Drift = -0.001 dB

Peak SAR (extrapolated) = 21.4 W/kg

SAR(1 g) = 5.24 mW/g; SAR(10 g) = 2.2 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

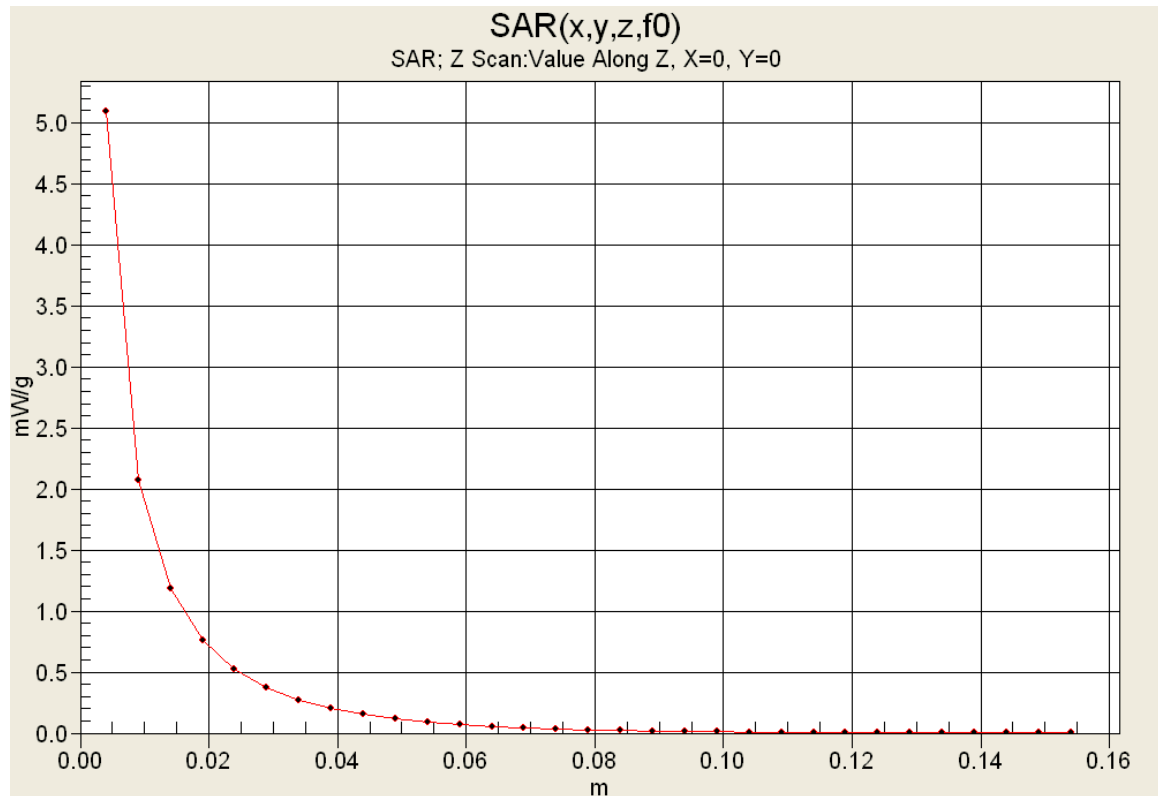
Maximum value of SAR (measured) = 5.38 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 142 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Z-Axis Scan



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 143 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Lab Certificate No. 2470.01

Body SAR Plot B79

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 35

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.928 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 1.92 mW/g

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

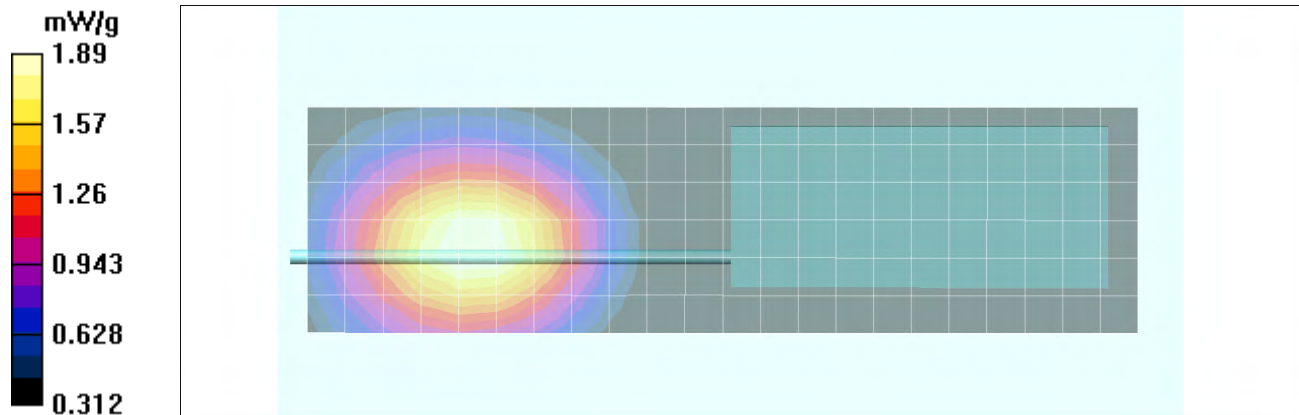
Reference Value = 9.37 V/m; Power Drift = -0.241 dB

Peak SAR (extrapolated) = 2.27 W/kg

SAR(1 g) = 1.78 mW/g; SAR(10 g) = 1.33 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 144 of 208

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 082712OWD-T1184-S90M	<u>Test Report Revision No.</u> Rev. 1.0 (1st Release)	
	<u>Test Report Issue Date</u> September 20, 2012	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Body SAR Plot B80

Date Tested: 09/07/2012

DUT: Harris XG-25P; Type: Portable 700/800 MHz PTT Radio Transceiver; Serial: 35

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 794 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used (interpolated): $f = 794 \text{ MHz}$; $\sigma = 0.928 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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) = 3.17 mW/g

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

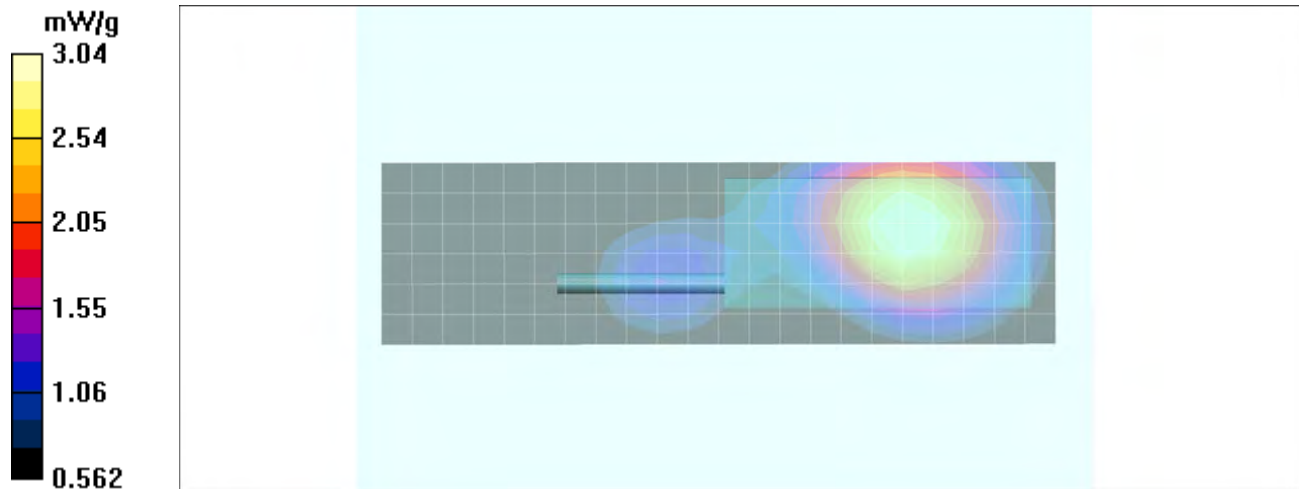
Reference Value = 31.7 V/m; Power Drift = -0.168 dB

Peak SAR (extrapolated) = 3.59 W/kg

SAR(1 g) = 2.9 mW/g; SAR(10 g) = 2.21 mW/g

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.04 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0073-E	IC:	3636B-0073	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth			DUT Name:	XG-25P 7/800	
2012 Celltech Labs Inc.		This document is not to be reproduced in whole or in part without the prior written permission of Celltech Labs Inc.				Page 145 of 208