

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

DECLARATION OF COMPLIANCE		SAR RF EXPOSURE EVALUATION			FCC & IC
Test Lab Information	Name	CELLTECH LABS INC.			
	Address	21-364 Lougheed Road, Kelowna, B.C. V1X 7R8 Canada			
Test Lab Accreditation(s)	ISO 17025	A2LA Test Lab Certificate No. 2470.01			
Applicant Information	Name	HARRIS CORPORATION			
	Address	221 Jefferson Ridge Parkway, Lynchburg, VA 24501 U.S.A.			
Standard(s) Applied	FCC	47 CFR §2.1093			
	IC	Health Canada Safety Code 6			
Procedure(s) Applied	FCC	OET Bulletin 65, Supp. C	KDB 447498 D01v06	KDB 643646 D01v01r01	
	IC	RSS-102 Issue 5	IEEE 1528-2013	IEC	62209-2:2010
Device Classification(s)	FCC	Licensed Non-Broadcast Transmitter Held to Face (TNF) - FCC Part 90			
	IC	Land Mobile Radio Transmitter/Receiver (27.41-960 MHz) - RSS-119			
Device Identifier(s)	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
Application Type(s)	FCC	Part 90 Certification			
	IC	RSS-119 Certification			
Date of Sample Receipt	August 27, 2012				
Dates of Evaluation	September 04-07, 2012				
Device Description	Portable 700/800-Band Digital Push-To-Talk (PTT) Radio Transceiver with Bluetooth				
Device Name / Model(s)	XG-25P 7/800 System	Model: DPXG-PF78B-e1			DTMF Keypad
	XG-25P 7/800 Scan	Model: DPXG-PB78B-e1			Limited Keypad
Test Sample Serial No.(s)	XG-25P System - S/N: 14 (identical prototype)		XG-25P Scan - S/N: 35 (identical prototype)		
Test Sample Revision No.s	Hardware	Rev. -		Firmware	R16A10
Transmit Frequency Range(s)	FCC	764-776 MHz	794-805 MHz	806-824 MHz	851-869 MHz
	IC	768-776 MHz	798-805 MHz	806-824 MHz	851-869 MHz
Manufacturer's Rated Output Power	700 Band	2.9 Watts Nominal (Conducted)		Upper Tolerance Spec.	+ 0.05 Watts
	800 Band	3.0 Watts Nominal (Conducted)		Upper Tolerance Spec.	+ 0.23 Watts
Co-located Transmitter(s)	Bluetooth	Nominal Output Power: 1.0 mW (Cond.)		Freq. Range: 2402-2480 MHz	
Antenna Type(s) Tested	See manufacturer's accessory listing (Section 5.0)				
Battery Type(s) Tested	See manufacturer's accessory listing (Section 5.0)				
Body-worn Accessories Tested	See manufacturer's accessory listing (Section 5.0)				
Audio Accessories Tested	See manufacturer's accessory listing (Section 5.0)				
Max. SAR Level(s) Evaluated	Face-held	1.68 W/kg	1g	50% PTT duty factor	Occupational / Controlled Exposure
	Body-worn	3.67 W/kg	1g	50% PTT duty factor	Occupational / Controlled Exposure
FCC/IC Spatial Peak SAR Limit	Head/Body	8.0 W/kg	1g	50% PTT duty factor	Occupational / Controlled Exposure
Celltech Labs Inc. declares under its sole responsibility that this wireless portable device has demonstrated compliance with the Specific Absorption Rate (SAR) RF exposure requirements specified in FCC 47 CFR §2.1093 and Health Canada Safety Code 6 for the Occupational / Controlled Exposure environment. The device was tested in accordance with the measurement procedures specified in FCC OET Bulletin 65, Supplement C (Edition 01-01), Industry Canada RSS-102 Issue 5, IEEE Standard 1528-2013 and IEC International Standard 62209-2:2010. All measurements were performed in accordance with the SAR system manufacturer recommendations. (see sec. 1.0 of report)					
I attest to the accuracy of data. All measurements were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.					
This test report shall not be reproduced partially, or in full, without the prior written approval of Celltech Labs Inc.					
The results and statements contained in this report pertain only to the device(s) evaluated.					
Test Report Approved By		Art Voss	Lab Manager	Celltech Labs Inc.	




Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	



REVISION HISTORY

REVISION NO.	DESCRIPTION	IMPLEMENTED BY	RELEASE DATE
1.0	1st Release	Art Voss	10 August 2016

TEST REPORT SIGN-OFF

REVISION NO	DEVICE TESTED BY	REPORT PREPARED BY	QA REVIEW BY	REPORT APPROVED BY
1.0	See Section 1.0	Art Voss	Ben Hewson	Art Voss

Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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1.0 INTRODUCTION

This measurement report demonstrates that the HARRIS Corporation XG-25P 7/800 Portable PTT Radio Transceiver with Bluetooth complies with the SAR (Specific Absorption Rate) RF exposure requirements specified in FCC 47 CFR §2.1093 (see reference [1]) and Health Canada's Safety Code 6 (see reference [2]) for the Occupational / Controlled Exposure environment. The measurement procedures described in FCC OET Bulletin 65, Supplement C 01-01 (see reference [3]), IC RSS-102 Issue 5 (see reference [4]), IEEE Standard 1528-2013 (see reference [5]) and IEC 62209-2:2010 (see reference [6]) were employed. A description of the device, operating configuration, detailed summary of the test results, methodology and procedures used in the evaluation, equipment used and the various provisions of the rules are included within this test report.

I have reviewed the changes proposed for this new filing and have determined that these changes will not impact the SAR magnitude or distribution indicated on the original report S/N 082712OWD-T1184-S90M, Revision 1.0 for the original FCC ID: OWDTR-0073-E. The replacement Blue-Tooth module exhibits a lower output power than the original device and is in the same physical location. This report reflects test data and measurement procedures dated September 2012. Although there have been newer releases of the test standards, I have reviewed those changes and revisions in the standards and have determined that they would not impact the measurement procedures undertaken or the SAR results as originally reported during the initial evaluation. As such, the latest releases of those standards have been cited in this report.

I attest that the data reported herein is true and accurate within the tolerance of the Measurement Instrument Uncertainty; that all tests and measurements were performed in accordance with accepted practices or procedures. The results of this investigation are based solely on the test sample(s) provided by the client which were not adjusted, modified or altered in any manner whatsoever, except as required to carry out specific tests or measurements. This test report has been completed in accordance with ISO/IEC 17025.






Art Voss, P.Eng.
Technical Manager
Celltech Labs Inc.

10 August 2016

Date



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	 Test Lab Certificate No. 2470.01
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2.0 SAR MEASUREMENT SYSTEM


Celltech Labs Inc. SAR measurement facility utilizes the Dosimetric Assessment System (DASY™) manufactured by Schmid & Partner Engineering AG (SPEAG™) of Zurich, Switzerland. The DASY4 measurement system is comprised of the measurement server, robot controller, computer, near-field probe, probe alignment sensor, specific anthropomorphic mannequin (SAM) phantom, and various planar phantoms for head and/or body SAR evaluations. The robot is a six-axis industrial robot performing precise movements to position the probe to the location (points) of maximum electromagnetic field (EMF). A cell controller system contains the power supply, robot controller, teach pendant (Joystick), and remote control, is used to drive the robot motors. The Staubli robot is connected to the cell controller to allow software manipulation of the robot. A data acquisition electronic (DAE) circuit performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. is connected to the Electro-optical coupler (EOC). The EOC performs the conversion from the optical into digital electric signal of the DAE and transfers data to the DASY4 measurement server. The DAE4 utilizes a highly sensitive electrometer-grade preamplifier with auto-zeroing, a channel and gain-switching multiplexer, a fast 16-bit AD-converter and a command decoder and control logic unit. Transmission to the DASY4 measurement server is accomplished through an optical downlink for data and status information and an optical uplink for commands and clock lines. The mechanical probe-mounting device includes two different sensor systems for frontal and sidewise probe contacts. The sensor systems are also used for mechanical surface detection and probe collision detection. The robot uses a controller with a built in VME-bus computer.



DASY4 SAR Measurement System with Side Planar Phantom



DASY4 Measurement System with Barski Planar Phantom



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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3.0 RF CONDUCTED OUTPUT POWER MEASUREMENTS

MEASURED RF CONDUCTED OUTPUT POWER LEVELS							
Radio	Mode	Freq. Band		Test Freq.	Watts	dBm	Method
System	CW	1	764-776 MHz	764.0	2.90	34.6	Average Conducted
				776.0	2.95	34.7	
		2	794-806 MHz	794.0	2.93	34.7	
				805.0	2.90	34.6	
		3	806-825 MHz	806.0	3.20	35.1	
				824.0	3.20	35.1	
		4	851-870 MHz	851.0	3.16	35.0	
				869.0	3.20	35.1	
Scan	CW	1	764-776 MHz	764.0	2.93	34.7	Average Conducted
				776.0	2.96	34.7	
		2	794-806 MHz	794.0	2.90	34.6	
				805.0	2.95	34.7	
		3	806-825 MHz	806.0	3.20	35.1	
				824.0	3.19	35.0	
		4	851-870 MHz	851.0	3.13	35.0	
				869.0	3.17	35.0	
Notes							
1. The test channels were selected in accordance with the procedures specified in FCC KDB 447498 Section 6) c) (see reference [8]).							
2. The RF conducted output power levels of the DUT were measured by Celltech Labs prior to the SAR evaluations using a Gigatronics 8652A Universal Power Meter at the external antenna connector of the radio in accordance with requirements of FCC 47 CFR §2.1046 (see reference [14]) and IC RSS-Gen (see reference [15]).							

4.0 NO. OF TEST CHANNELS (N_c)


Antenna Part No.	Antenna Type	Antenna Freq. Range	N_c	Test Frequencies (MHz)
1	KRE 101 506/1	½-wave	8	764.0, 776.0, 794.0, 805.0, 806.0, 824.0, 851.0, 869.0
2	KRE 101 506/2	Wideband Whip	8	764.0, 776.0, 794.0, 805.0, 806.0, 824.0, 851.0, 869.0
Note: The number of test channels (N_c) were calculated in accordance with the procedures specified in FCC KDB 447498 Section 6) c) (see reference [8]).				

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5.0 MANUFACTURER'S DISCLOSED ACCESSORY LISTING

Accessory ID # for Test Report	ACCESSORY CATEGORY: ANTENNA		
	Part Number	Description	SAR Evaluation
1	KRE 101 1506/1	½ - wave (764-870 MHz), 2 dBi gain	Yes
2	KRE 101 1506/2	Wideband whip (764-870 MHz), 0 dBi gain	Yes
Accessory ID # for Test Report	ACCESSORY CATEGORY: BATTERY		
	Part Number	Description	SAR Evaluation
a	BT-023406-003	Ni-MH, immersible, non-IS, 7.5V, 2400mAh	Yes
b	BT-023406-004	Ni-MH, immersible, <IS> (7.5V, 2400mAh)	Yes
c	BT-023406-005	Li-ion, immersible, non-IS (7.4V, 2000mAh)	Yes
d	BT-023436-001	Lithium-polymer, immersible, non-IS (7.4V, 3000mAh)	Yes
Accessory ID # for Test Report	ACCESSORY CATEGORY: BODY-WORN		
	Part Number	Description	SAR Evaluation
1	14011-0012-01	Kit containing: 14011-0011-01 BEE Nylon case (Black) (with radio retaining strap) & CC-014527 BEE Leather Belt Loop	Yes
2	14011-0012-02	Kit containing: 14011-0011-02 BEE Nylon case (Orange) (with radio retaining strap) & CC-014527 BEE Leather Belt Loop	No ¹
3	14011-0012-03	Kit contains: 14011-0011-03 BEE Leather Case (with radio retaining strap) w/o Shoulder Strap D-rings, KRY1011608/2 Swivel Mount & CC-014527 BEE Leather Belt Loop	Yes
4	14011-0012-04	Kit contains: 14011-0011-04 BEE Leather Case with Shoulder Strap D-rings (with radio retaining strap), KRY1011608/2 Swivel Mount & CC-014524-001 BEE Shoulder Strap	Yes
5	CC23894	Metal Belt Clip (Standard)	Yes
6	FM-017262-001 CC-014527	Swivel Mount Belt Loop, Leather (BEE)	Yes

See next page for audio accessory listing

Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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ACCESSORY CATEGORY: AUDIO				
Accessory ID # for Test Report	Part Number	Description	Audio Accessory Grouping	SAR Evaluation
G1a	EA-009580-010	Headset, heavy duty, N/C behind the head, w/ PTT	Group 1 (Heavy Duty headset)	No ³
G1b	EA-009580-013	Headset, heavy duty, N/C over the head, w/ PTT		No ³
G2	EA-009580-008	Lightweight headset single spkr w/ PTT	Group 2 (Lightweight headset)	No ³
G3a	EA-009580-009	Breeze Headset w/ PTT	Group 3 (Breeze headset)	Yes
G3b	EA-009580-016	Breeze headset w/ PTT & pigtail jack		No ³
G4	EA-009580-007	Explorer Headset w/ PTT	Group 4 (Explorer headset)	No ³
G5	EA-009580-011	Ranger Headset w/ PTT	Group 5 (Ranger headset)	No ³
G6a	EA-009580-017	Hurricane headset w/ PTT	Group 6 (Hurricane headset)	No ³
G6b	EA-009580-018	Hurricane headset w/ PTT & pigtail jack		No ³
G7a	MC-023933-001	Speaker-Mic, No Ant. (cc), <IS>	Group 7 (Speaker Mic)	No ³
G7b	MC-009104-002	Speaker-Mic, GPS, non-IS		No ³
G7c	MC-011617-601	Ruggedized Speaker Mic-Coil Cord		No ³
G7d	MC-011617-701	Standard Speaker Mic - Non Ant		No ³
G8a	EA-009580-003	2-Wire Kit, Palm mic, Black	Group 8 (Palm mic)	No ³
G8b	EA-009580-004	2-Wire Kit, Palm mic, Beige		No ²
G9a	EA-009580-005	3-Wire Kit, Mini-Lapel Mic, Black	Group 9 (Lapel mic)	No ³
G9b	EA-009580-006	3-Wire Kit, Mini-Lapel Mic, Beige		No ²
G10	EA-009580-012	Skull mic w/body PTT & earcup	Group 10 (Skull mic)	No ³
G11a	EA-009580-014	Throat mic w/acoustic tube & body PTT	Group 11 (Throat mic)	No ³
G11b	EA-009580-015	Throat mic w/acoustic tube, body PTT, & ring PTT		No ³
G12a	EA-009580-001	Earphone Kit, Black	Group 12 (Earphone)	No ³
G12b	EA-009580-002	Earphone Kit, Beige		No ²

Manufacturer's disclosed accessory listing information provided by HARRIS Corporation



Footnotes
1. Body-worn accessory #2 is identical to body-worn accessory #1 except for color difference.
2. Audio accessories #G8b, #G9b and #G12b are identical to audio accessories #G8a, #G9a and #G12a respectively except for color difference.
3. Audio accessories were not evaluated for SAR in accordance with the procedures and provisions of FCC KDB 643646 D01v01r01 (Page 10 Section 1) - see reference [9].

6.0 FLUID DIELECTRIC PARAMETERS

FLUID DIELECTRIC PARAMETERS						
Date: 09/04/2012		Frequency: 835 MHz			Tissue: Body	
Freq	Test e	Test s	Target e	Target s	Deviation Permittivity	Deviation Conductivity
0.735	56.14	0.86	55.2	0.97	1.70%	-11.34%
0.745	56.01	0.88	55.2	0.97	1.47%	-9.28%
0.755	55.85	0.89	55.2	0.97	1.18%	-8.25%
0.765	55.68	0.91	55.2	0.97	0.87%	-6.19%
0.775	55.79	0.91	55.2	0.97	1.07%	-6.19%
0.776*	55.8	0.911	55.2	0.97	1.09%	-6.08%
0.785	55.7	0.92	55.2	0.97	0.91%	-5.15%
0.794*	55.5	0.92	55.2	0.97	0.54%	-5.15%
0.795	55.49	0.92	55.2	0.97	0.53%	-5.15%
0.805	55.31	0.93	55.2	0.97	0.20%	-4.12%
0.815	55.39	0.94	55.2	0.97	0.34%	-3.09%
0.824*	55.4	0.958	55.2	0.97	0.36%	-1.24%
0.825	55.42	0.96	55.2	0.97	0.40%	-1.03%
0.835	55.21	0.96	55.2	0.97	0.02%	-1.03%
0.845	54.87	0.96	55.2	0.97	-0.60%	-1.03%
0.855	54.95	0.98	55.2	0.97	-0.45%	1.03%
0.865	54.78	1	55.2	0.97	-0.76%	3.09%
0.869*	54.8	1	55.2	0.97	-0.72%	3.09%
0.875	54.83	1.01	55.2	0.97	-0.67%	4.12%
0.885	54.81	1.02	55.2	0.97	-0.71%	5.15%
0.895	54.71	1.03	55.2	0.97	-0.89%	6.19%
0.905	54.39	1.05	55.2	0.97	-1.47%	8.25%
0.915	54.37	1.04	55.2	0.97	-1.50%	7.22%
0.925	54.4	1.06	55.2	0.97	-1.45%	9.28%
0.935	54.43	1.07	55.2	0.97	-1.39%	10.31%

*interpolated using DAS4 software


Test Date	Fluid Type	Ambient Temperature	Fluid Temperature	Fluid Depth	Atmospheric Pressure	Relative Humidity	ρ (Kg/m ³)
Sep 4	835 Body	23.0°C	22.5°C	≥ 15 cm	101.1 kPa	34%	1000



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FLUID DIELECTRIC PARAMETERS						
Date: 09/05-06/2012		Frequency: 835 MHz			Tissue: Body	
Freq	Test e	Test s	Target e	Target s	Deviation Permittivity	Deviation Conductivity
0.735	56.14	0.87	55.2	0.97	1.70%	-10.31%
0.745	56.05	0.89	55.2	0.97	1.54%	-8.25%
0.755	55.66	0.89	55.2	0.97	0.83%	-8.25%
0.765	55.91	0.91	55.2	0.97	1.29%	-6.19%
0.775	55.72	0.91	55.2	0.97	0.94%	-6.19%
0.776*	55.7	0.912	55.2	0.97	0.91%	-5.98%
0.785	55.62	0.93	55.2	0.97	0.76%	-4.12%
0.794*	55.6	0.948	55.2	0.97	0.72%	-2.27%
0.795	55.59	0.95	55.2	0.97	0.71%	-2.06%
0.805	55.11	0.95	55.2	0.97	-0.16%	-2.06%
0.815	55.37	0.96	55.2	0.97	0.31%	-1.03%
0.824*	55.4	0.96	55.2	0.97	0.36%	-1.03%
0.825	55.37	0.96	55.2	0.97	0.31%	-1.03%
0.835	55.3	0.98	55.2	0.97	0.18%	1.03%
0.845	55.18	0.98	55.2	0.97	-0.04%	1.03%
0.855	55.02	1	55.2	0.97	-0.33%	3.09%
0.865	55.08	1	55.2	0.97	-0.22%	3.09%
0.869*	54.9	1	55.2	0.97	-0.54%	3.09%
0.875	54.6	1.01	55.2	0.97	-1.09%	4.12%
0.885	54.7	1.02	55.2	0.97	-0.91%	5.15%
0.895	54.76	1.05	55.2	0.97	-0.80%	8.25%
0.905	54.66	1.05	55.2	0.97	-0.98%	8.25%
0.915	54.55	1.06	55.2	0.97	-1.18%	9.28%
0.925	54.45	1.07	55.2	0.97	-1.36%	10.31%
0.935	54.11	1.08	55.2	0.97	-1.97%	11.34%

*interpolated using DASY4 software

Test Date	Fluid Type	Ambient Temperature	Fluid Temperature	Fluid Depth	Atmospheric Pressure	Relative Humidity	ρ (Kg/m ³)
Sep 5	835 Body	23.0°C	22.3°C	≥ 15 cm	101.1 kPa	30%	1000
Sep 6	835 Body	23.0°C	21.5°C	≥ 15 cm	101.1 kPa	30%	1000


Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140		
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800				
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FLUID DIELECTRIC PARAMETERS						
Date: 09/07/2012		Frequency: 835 MHz			Tissue: Body	
Freq	Test e	Test s	Target e	Target s	Deviation Permittivity	Deviation Conductivity
0.735	54.88	0.85	55.2	0.97	-0.58%	-12.37%
0.745	55.28	0.88	55.2	0.97	0.14%	-9.28%
0.755	55	0.88	55.2	0.97	-0.36%	-9.28%
0.765	54.83	0.89	55.2	0.97	-0.67%	-8.25%
0.775	54.87	0.9	55.2	0.97	-0.60%	-7.22%
0.785	54.95	0.91	55.2	0.97	-0.45%	-6.19%
0.794*	54.8	0.928	55.2	0.97	-0.72%	-4.33%
0.795	54.8	0.93	55.2	0.97	-0.72%	-4.12%
0.805	54.37	0.94	55.2	0.97	-1.50%	-3.09%
0.815	54.66	0.95	55.2	0.97	-0.98%	-2.06%
0.824*	54.4	0.95	55.2	0.97	-1.45%	-2.06%
0.825	54.37	0.95	55.2	0.97	-1.50%	-2.06%
0.835	54.24	0.96	55.2	0.97	-1.74%	-1.03%
0.845	54.23	0.98	55.2	0.97	-1.76%	1.03%
0.855	53.82	0.98	55.2	0.97	-2.50%	1.03%
0.865	53.93	0.99	55.2	0.97	-2.30%	2.06%
0.875	53.63	1	55.2	0.97	-2.84%	3.09%
0.885	53.66	1.03	55.2	0.97	-2.79%	6.19%
0.895	53.69	1.03	55.2	0.97	-2.74%	6.19%
0.905	53.31	1.03	55.2	0.97	-3.42%	6.19%
0.915	53.66	1.05	55.2	0.97	-2.79%	8.25%
0.925	53.3	1.06	55.2	0.97	-3.44%	9.28%
0.935	53.25	1.06	55.2	0.97	-3.53%	9.28%

*interpolated using DASY4 software

Test Date	Fluid Type	Ambient Temperature	Fluid Temperature	Fluid Depth	Atmospheric Pressure	Relative Humidity	ρ (Kg/m ³)
Sep 7	835 Body	23.0°C	22.5°C	≥ 15 cm	101.1 kPa	30%	1000


Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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FLUID DIELECTRIC PARAMETERS						
Date: 09/07/2012		Frequency: 835 MHz			Tissue: Head	
Freq	Test e	Test s	Target e	Target s	Deviation Permittivity	Deviation Conductivity
0.735	42.95	0.78	41.5	0.9	3.49%	-13.33%
0.745	43.2	0.8	41.5	0.9	4.10%	-11.11%
0.755	43.18	0.81	41.5	0.9	4.05%	-10.00%
0.765	42.59	0.82	41.5	0.9	2.63%	-8.89%
0.775	42.79	0.84	41.5	0.9	3.11%	-6.67%
0.776*	42.8	0.841	41.5	0.9	3.13%	-6.56%
0.785	42.58	0.85	41.5	0.9	2.60%	-5.56%
0.794*	42.5	0.85	41.5	0.9	2.41%	-5.56%
0.795	42.52	0.85	41.5	0.9	2.46%	-5.56%
0.805	42.49	0.87	41.5	0.9	2.39%	-3.33%
0.815	42.57	0.88	41.5	0.9	2.58%	-2.22%
0.824*	42.3	0.88	41.5	0.9	1.93%	-2.22%
0.825	42.24	0.88	41.5	0.9	1.78%	-2.22%
0.835	42.07	0.88	41.5	0.9	1.37%	-2.22%
0.845	41.87	0.91	41.5	0.9	0.89%	1.11%
0.855	41.74	0.92	41.5	0.9	0.58%	2.22%
0.865	41.39	0.92	41.5	0.9	-0.27%	2.22%
0.869*	41.3	0.924	41.5	0.9	-0.48%	2.67%
0.875	41.06	0.93	41.5	0.9	-1.06%	3.33%
0.885	41.44	0.94	41.5	0.9	-0.14%	4.44%
0.895	41.13	0.95	41.5	0.9	-0.89%	5.56%
0.905	41.08	0.95	41.5	0.9	-1.01%	5.56%
0.915	40.97	0.98	41.5	0.9	-1.28%	8.89%
0.925	40.76	0.97	41.5	0.9	-1.78%	7.78%
0.935	40.96	0.98	41.5	0.9	-1.30%	8.89%

*interpolated using DASY4 software


Test Date	Fluid Type	Ambient Temperature	Fluid Temperature	Fluid Depth	Atmospheric Pressure	Relative Humidity	ρ (Kg/m ³)
Sep 7	835 Head	23.0°C	22.9°C	≥ 15 cm	101.1 kPa	30%	1000



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

7.0 SAR TEST REDUCTION PROCEDURES APPLIED (FCC KDB 643646 D01v01r01)

- a. Face-held Configuration - Default Battery Selection - per FCC KDB 643646, Page 2, Section 1) A): *"When multiple standard batteries are supplied with a radio, the battery with the highest capacity is considered the default battery for making head SAR measurements."*
- b. Body-worn Configuration - Default Battery Selection - per FCC KDB 643646, Page 5, Section 1) A): *"Start by testing a PTT radio with the thinnest battery and a standard (default) Body-worn accessory that are both supplied with the radio and, if applicable, a default audio accessory....."*
- c. Body-worn Configuration - Default Body-worn Accessory Selection - the belt-clip accessory was selected as the default body-worn accessory based on the smaller separation distance it provides between the radio and the user in comparison to the remaining accessories. Per FCC KDB 643646, Page 5, Section 1) A): *"When multiple default Body-worn accessories are supplied with a radio, the standard Body-worn accessory expected to result in the highest SAR based on its construction and exposure conditions is considered the default Body-worn accessory for making Body-worn measurements."*
- d. Body-worn Configuration - Additional Body-worn Accessories - the remaining Body-worn accessories were evaluated based on the *"additional Body-worn accessory"* guidance provided in FCC KDB 643646, Page 7, Section 4). The remaining Body-worn accessories can be utilized with all the audio accessory options.
- e. Body-worn Configuration - Default Audio Accessory Selection - According to the manufacturer, the radio is not supplied to the end user with a standard default audio accessory (as referenced in FCC KDB 643646, Page 4, Section "Body SAR Test Considerations for Body-worn Accessories"); therefore the procedures described in note (h) below were applied in order to establish the default audio accessory.
- f. Body-worn Configuration - Selection of Remaining Default Audio Accessories by Category - the Remaining Default Audio Accessories by Category were selected based on the guidance provided in FCC KDB 643646, Section "Body SAR Test Considerations for Audio Accessories without Built-in Antenna", Page 10: *"For audio accessories with similar construction and operating requirements, test only the audio accessory within the group that is expected to result in the highest SAR, with respect to changes in RF characteristics and exposure conditions for the combination. If it is unclear which audio accessory within a group of similar accessories is expected to result in the highest SAR, good engineering judgment and preliminary testing should be applied to select the accessory that is expected to result in the highest SAR."* Please refer to note (i) below for the procedure implemented to establish the Default Audio Accessory by Category (Grouping). The Remaining Default Audio Accessories by Category were evaluated on the highest SAR channel and antenna combination from the Default Audio Accessory evaluations (see note e.) based on the guidance provided in FCC KDB 643646, Page 10, Section 1) A) thru D).
- g. Body-worn Configuration - Selection of Additional Audio Accessories by Category - the Additional Audio Accessories by Category were selected based on the guidance provided in FCC KDB 643646, Section "Body SAR Test Considerations for Audio Accessories without Built-in Antenna", Page 10.
- h. According to the manufacturer, all the optional audio accessories can be used with any accessory combination (antenna, battery & body-worn accessory) - see also Appendix I (Audio Accessory Combinations). Therefore, in order to establish the overall default audio accessory and default accessory by category (grouping), preliminary SAR evaluations (area scans with belt-clip and thinnest battery) were performed by Celltech with all of the optional audio accessories connected to the radio consecutively.


Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
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8.0 SAR TEST REDUCTION PROCEDURES - SCAN MODEL (FCC KDB INQ. #235657)



With respect to the SAR results for the *original model*, please test the SAR for *additional models* according to the following where reported and measured should mean the SAR results at 50% duty factor before further scaling or compensation.

1. For face exposure, *additional models* should be measured for each of the antennas using the highest SAR configuration reported among the battery configurations for the *base model*; i.e., one SAR per antenna for each additional model.
2. For body-worn accessories with the default audio accessory, *additional models* should be measured for each of the antennas and body-worn accessories using the highest SAR configuration reported among the battery configurations for the *base model*; i.e., one SAR per antenna and body-worn accessory combination. For each of these configurations, if the measured SAR for the *additional models* is > 7.0 W/kg repeat all SAR measured for the *base model* that are > 6.0 W/kg using the *additional models*. In addition, all SAR measured for the *base model* > 7.0 W/kg must be repeated for the *additional models*.
3. For the remaining default audio accessories, all SAR measured for each combination of antenna, battery, body-worn accessory and audio accessory with the *base model* with SAR \geq 7.0 W/kg must be repeated for the *additional models* for such combinations. When the highest SAR measured for a *base model* combination of antenna, battery, body-worn accessory and audio accessory is < 7.0 W/kg, measure SAR for the *additional models* using the highest SAR reported for each *base model* combination; i.e., at least one test per combination. However, if the highest reported SAR for a *base model* combination is < 5.0 W/kg, no test is needed for that combination. For each *additional model* combination, if the measured SAR is > 7.0 W/kg repeat all SAR measured for that combination when the reported *base model* SAR is > 6.0 W/kg.
4. For the rest of the additional (non-default) audio accessories tested for the *base model*, apply the same procedures used for the remaining default audio accessories in #3 above. A combination should be determined according to audio accessory part numbers; not by audio category.

Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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9.0 SAR MEASUREMENT SUMMARY



TABLE 1				FACE-HELD SAR EVALUATION RESULTS											
Device-Under-Test				XG-25P 7/800 Radio Transceiver (System)											
Test Date(s)				Sept. 7, 2012											
C				1	2	3	4	5	6	7	8				
R	Antenna Accessory ID #	Test Freq. (MHz)	Cond. Power Before Test (W)	SAR W/kg 1g		SAR W/kg 1g		SAR W/kg 1g		SAR W/kg 1g					
				Battery a (Additional)		Battery b (Additional)		Battery c (Additional)		Battery d (Default)					
				100% ptt d/f	50% ptt d/f	100% ptt d/f	50% ptt d/f	100% ptt d/f	50% ptt d/f	100% ptt d/f	50% ptt d/f				
				Drift (dB)	50%+droop	Drift dB	50%+droop	Drift dB	50%+droop	Drift dB	50%+droop				
1	1	764.0	2.90	N/A		N/A		N/A		N/A					
2		776.0	2.95	N/A		N/A		N/A		F1	1.14	0.570			
3				N/A		N/A		N/A			-0.272	0.607			
4		794.0	2.93	N/A		N/A		N/A		F2	1.20	0.600			
5				N/A		N/A		N/A			-0.463	0.667			
6		805.0	2.90	N/A		N/A		N/A		N/A					
7		806.0	3.20	N/A		N/A		N/A		N/A					
8		824.0	3.20	N/A		N/A		N/A		F3	1.23	0.615			
9				N/A		N/A		N/A			-0.620	0.709			
10		851.0	3.16	N/A		N/A		N/A		N/A					
11		869.0	3.20	N/A		N/A		N/A		F4	0.742	0.371			
12				N/A		N/A		N/A			-0.304	0.398			
13	2	764.0	2.90	N/A		N/A		N/A		N/A					
14		776.0	2.95	F9	3.25	1.63	F10	3.00	1.50	F11	3.08	1.54	F5	3.01	1.51
15					-0.168	1.69		-0.151	1.55		-0.190	1.61		-0.057	1.53
16		794.0	2.93	N/A		N/A		N/A		F6	2.89	1.45			
17				N/A		N/A		N/A			-0.079	1.47			
18		805.0	2.90	N/A		N/A		N/A		N/A					
19		806.0	3.20	N/A		N/A		N/A		N/A					
20		824.0	3.20	F12	2.83	1.42	F13	3.13	1.57	F14	3.08	1.54	F7	2.97	1.49
21					-0.283	1.51		-0.139	1.62		-0.148	1.59		-0.155	1.54
22		851.0	3.16	N/A		N/A		N/A		N/A					
23		869.0	3.20	N/A		N/A		N/A		F8	1.90	0.950			
24				N/A		N/A		N/A			-0.330	1.03			
SAR LIMITS				HEAD		SPATIAL PEAK		RF EXPOSURE CATEGORY							
FCC 47 CFR 2.1093		Health Canada Safety Code 6		8.0 W/kg		1 gram average		Occupational / Controlled							
Notes															
Band 1: 764-776 MHz Test Freq.: 776.0 MHz			Band 2: 794-806 MHz Test Freq.: 794.0 MHz			Band 3: 806-825 MHz Test Freq.: 824.0 MHz			Band 4: 851-870 MHz Test Freq.: 869.0 MHz						
C = Column; R = Row						Fx (F = Face) denotes the corresponding Face SAR Plot # as shown in Appendix A									
Test Mode = CW (Unmodulated Continuous Wave)						Phantom = Side Planar Phantom									
Front of DUT Distance to Planar Phantom (see Appendix D) (Front of DUT Parallel to Planar Phantom)						Shortest Antenna Distance to Planar Phantom (see Appendix D)									
2.5 cm						Antenna 1			Antenna 2						
						5.4 cm			5.4 cm						

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Test Procedures in accordance with FCC KDB 643646 (see reference [9])

1. For face-held configuration, battery “d” was selected as the default battery (highest mAh).
2. When the head SAR of an antenna tested on the highest output power channel with the default battery is ≤ 3.5 W/kg (F1-F8), testing of all other required channels is not necessary.
3. When the SAR for all antennas tested using the default battery is ≤ 4.0 W/kg (F1-F8), test additional batteries using the antenna and channel configuration that resulted in the highest SAR among all antennas (F9-F14). Note: This procedure was applied separately to the 700 MHz band and the 800 MHz band.
4. When test reduction applies, the data table entries for such configurations are denoted with N/A (Not Applicable).

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Subsets of tests were performed for the Scan radio model variant based on re-evaluating the maximum SAR levels per antenna configuration from the System model evaluations.

FACE-HELD SAR EVALUATION RESULTS (System & Scan Radio Model Variant Comparison)															
TABLE 2			XG-25P 7/800 SCAN Radio Keypad Variant Model					XG-25P 7/800 SYSTEM Radio Base Model							
C			Cond. Power Before Test (W)	1		2		3	Cond. Power Before Test (W)	4		5		6	
R	Antenna Accessory ID #	Test Freq. (MHz)		SAR W/kg (1g)	SAR W/kg (1g)	Battery Accessory ID #	SAR W/kg (1g)			SAR W/kg (1g)	Battery Accessory ID #	100% ptt d/f	50% ptt d/f		Battery Accessory ID #
				100% ptt d/f	50% ptt d/f		100% ptt d/f			50% ptt d/f					
			Drift (dB)	50%+droop			Drift dB	50%+droop							
1	1	764.0	2.93	N/A			2.90	N/A							
2		776.0	2.96	N/A			2.95	N/A							
3		794.0	2.90	N/A			2.93	N/A							
4		805.0	2.95	N/A			2.90	N/A							
5		806.0	3.20	N/A			3.20	N/A							
6		824.0	3.19	F15	1.32	0.660	d	3.20	F3	1.23	0.615	d			
7		-0.244	0.698		-0.620	0.709									
8		851.0	3.13	N/A			3.16	N/A							
9		869.0	3.17	N/A			3.20	N/A							
10	764.0	2.93	N/A			2.90	N/A								
11	2	776.0	2.96	F16	3.23	1.62	a	2.95	F9	3.25	1.63	a			
12					-0.003	1.62				-0.168	1.69				
13		794.0	2.90	N/A			2.93	N/A							
14		805.0	2.95	N/A			2.90	N/A							
15		806.0	3.20	N/A			3.20	N/A							
16		824.0	3.19	N/A			3.20	N/A							
17		851.0	3.13	N/A			3.16	N/A							
18		869.0	3.17	N/A			3.20	N/A							
SAR LIMITS				HEAD		SPATIAL PEAK		RF EXPOSURE CATEGORY							
FCC 47 CFR 2.1093		Health Canada Safety Code 6		8.0 W/kg		1 gram average		Occupational / Controlled							
Notes															
Test Mode = CW (Unmodulated Continuous Wave)						Phantom = Side Planar Phantom									
C = Column; R = Row						Fx (F = Face) denotes the corresponding Face SAR Plot # as shown in Appendix A									
N/A = Not Applicable						Test reduction procedures applied for Scan model = FCC KDB Inquiry #235657									
Front of DUT Distance to Planar Phantom (see Appendix D) (Front of DUT Parallel to Planar Phantom)						Shortest Antenna Distance to Planar Phantom (see Appendix D)									
						Antenna 1			Antenna 2						
2.5 cm						5.4 cm			5.4 cm						



TABLE 3	BODY-WORN SAR EVALUATION RESULTS
----------------	---

Device-Under-Test	XG-25P 7/800 Radio Transceiver (System)									
Body-worn Accessory ID #	5 (Default)									
Audio Accessory ID #	G3a (Default)									
Test Date(s)	Sept. 4, 2012									

C				1	2	3	4	5	6	7	8				
R	Antenna Accessory ID #	Test Freq. (MHz)	Cond. Power Before Test (W)	SAR W/kg 1g		SAR W/kg 1g		SAR W/kg 1g		SAR W/kg 1g					
				Battery a (Additional)		Battery b (Additional)		Battery c (Additional)		Battery d (Default)					
				100% ptt d/f	50% ptt d/f	100% ptt d/f	50% ptt d/f	100% ptt d/f	50% ptt d/f	100% ptt d/f	50% ptt d/f				
				Drift (dB)	50%+droop	Drift dB	50%+droop	Drift dB	50%+droop	Drift dB	50%+droop				
1	1	764.0	2.90	N/A		N/A		N/A		N/A					
2		776.0	2.95	N/A		N/A		N/A		B1	4.95	2.48			
3				N/A		N/A		N/A			-0.164	2.57			
4		794.0	2.93	N/A		N/A		N/A		B2	5.38	2.69			
5				N/A		N/A		N/A			-0.003	2.69			
6		805.0	2.90	N/A		N/A		N/A		N/A					
7		806.0	3.20	N/A		N/A		N/A		N/A					
8		824.0	3.20	N/A		N/A		N/A		B3	5.29	2.65			
9				N/A		N/A		N/A			0.032	n/a			
10		851.0	3.16	N/A		N/A		N/A		N/A					
11		869.0	3.20	N/A		N/A		N/A		B4	3.06	1.53			
12				N/A		N/A		N/A			-0.286	1.63			
13	2	764.0	2.90	N/A		N/A		N/A		N/A					
14		776.0	2.95	B9	4.48	2.24	B10	5.33	2.67	B11	5.85	2.93	B5	7.18	3.59
15					-0.119	2.30		-0.196	2.79		-0.154	3.03		-0.163	3.73
16		794.0	2.93	N/A		N/A		N/A		B6	6.37	3.19			
17				N/A		N/A		N/A			-0.289	3.40			
18		805.0	2.90	N/A		N/A		N/A		N/A					
19		806.0	3.20	N/A		N/A		N/A		N/A					
20		824.0	3.20	B12	4.79	2.40	B13	5.05	2.53	B14	4.31	2.16	B7	5.32	2.66
21					-0.195	2.51		0.276	n/a		-0.325	2.32		-0.149	2.75
22		851.0	3.16	N/A		N/A		N/A		N/A					
23		869.0	3.20	N/A		N/A		N/A		B8	4.01	2.01			
24				N/A		N/A		N/A			-0.273	2.14			

SAR LIMITS	BODY	SPATIAL PEAK	RF EXPOSURE CATEGORY
FCC 47 CFR 2.1093	Health Canada Safety Code 6	8.0 W/kg	1 gram average
			Occupational / Controlled

Notes			
Band 1: 764-776 MHz Test Freq.: 776.0 MHz	Band 2: 794-806 MHz Test Freq.: 794.0 MHz	Band 3: 806-825 MHz Test Freq.: 824.0 MHz	Band 4: 851-870 MHz Test Freq.: 869.0 MHz
C = Column; R = Row		Bx (B = Body) denotes the corresponding Body SAR Plot # as shown in Appendix A	
Test Mode = CW (Unmodulated Continuous Wave)		Phantom = Barsi Planar Phantom	
Back of DUT Distance to Planar Phantom (see Appendix D) (Back of Radio Parallel to Planar Phantom)		Shortest Antenna Distance to Planar Phantom (see Appendix D)	
		Antenna 1	
		Antenna 2	
1.6 cm		1.9 cm	

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Procedures applied in accordance with FCC KDB 643646 (see reference [9])

1. For Body-worn configuration, battery “d” was selected as the default battery*.
2. When the body SAR of an antenna is ≤ 3.5 W/kg (B1-B8), testing of all other required channels is not necessary for that antenna.
3. When the SAR for all antennas tested using the thinnest* battery is ≤ 4.0 W/kg (B1-B8), test additional batteries using the antenna and channel configuration that resulted in the highest SAR among all antennas (B9-B14). Note: This procedure was applied separately to the 700 MHz band and the 800 MHz band.
4. The audio accessory G3a was selected as the default audio accessory based on preliminary evaluations resulting in the most conservative SAR of all the disclosed audio accessory options.
5. When test reduction applies, the data table entries for such configurations are denoted with N/A (Not Applicable).

* All battery options are the same thickness; therefore preliminary evaluations were performed to establish the default battery.




Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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TABLE 4				BODY-WORN SAR EVALUATION RESULTS															
Device-Under-Test				XG-25P 7/800 Radio Transceiver (System)															
Body-worn Accessory ID #				1 (Additional)															
Audio Accessory ID #				G3a (Default)															
Test Date(s)				Sept. 4 & 5, 2012															
C				1		2		3		4		5		6		7		8	
R	Antenna Accessory ID #	Test Freq. (MHz)	Cond. Power Before Test (W)	SAR W/kg 1g				SAR W/kg 1g				SAR W/kg 1g				SAR W/kg 1g			
				Battery a (Additional)		Battery b (Additional)		Battery c (Additional)		Battery d (Default)		Battery a (Additional)		Battery b (Additional)		Battery c (Additional)		Battery d (Default)	
				100% ptt d/f	50% ptt d/f	100% ptt d/f	50% ptt d/f	100% ptt d/f	50% ptt d/f	100% ptt d/f	50% ptt d/f	100% ptt d/f	50% ptt d/f	100% ptt d/f	50% ptt d/f	100% ptt d/f	50% ptt d/f		
				Drift (dB)	50%+droop	Drift dB	50%+droop	Drift dB	50%+droop	Drift dB	50%+droop	Drift dB	50%+droop	Drift dB	50%+droop	Drift dB	50%+droop		
1	1	764.0	2.90	N/A				N/A				N/A				N/A			
2		776.0	2.95	N/A				N/A				N/A				B15	1.15	0.575	
3				N/A				N/A				N/A					-0.311	0.618	
4		794.0	2.93	N/A				N/A				N/A				B16	1.04	0.520	
5				N/A				N/A				N/A					-0.280	0.555	
6		805.0	2.90	N/A				N/A				N/A				N/A			
7		806.0	3.20	N/A				N/A				N/A				N/A			
8		824.0	3.20	N/A				N/A				N/A				B17	1.03	0.515	
9				N/A				N/A				N/A					-0.403	0.565	
10		851.0	3.16	N/A				N/A				N/A				N/A			
11		869.0	3.20	N/A				N/A				N/A				B18	0.627	0.314	
12				N/A				N/A				N/A					-0.445	0.347	
13	2	764.0	2.90	N/A				N/A				N/A				N/A			
14		776.0	2.95	N/A				N/A				N/A				B19	1.67	0.835	
15				N/A				N/A				N/A					-0.127	0.860	
16		794.0	2.93	B23	1.09	0.545	B24	1.29	0.645	B25	1.55	0.775	B20	1.69	0.845				
17					-0.067	0.553		-0.269	0.686		-0.346	0.839		-0.262	0.898				
18		805.0	2.90	N/A				N/A				N/A				N/A			
19		806.0	3.20	N/A				N/A				N/A				N/A			
20		824.0	3.20	B26	1.08	0.540	B27	1.11	0.555	B28	1.40	0.700	B21	1.55	0.775				
21					-0.226	0.569		-0.225	0.585		-0.321	0.754		-0.274	0.825				
22		851.0	3.16	N/A				N/A				N/A				N/A			
23		869.0	3.20	N/A				N/A				N/A				B22	0.936	0.468	
24				N/A				N/A				N/A					-0.418	0.515	
SAR LIMITS				BODY				SPATIAL PEAK				RF EXPOSURE CATEGORY							
FCC 47 CFR 2.1093		Health Canada Safety Code 6		8.0 W/kg				1 gram average				Occupational / Controlled							
Notes																			
Band 1: 764-776 MHz Test Freq.: 776.0 MHz				Band 2: 794-806 MHz Test Freq.: 794.0 MHz				Band 3: 806-825 MHz Test Freq.: 824.0 MHz				Band 4: 851-870 MHz Test Freq.: 869.0 MHz							
C = Column; R = Row								Bx (B = Body) denotes the corresponding Body SAR Plot # as shown in Appendix A											
Test Mode = CW (Unmodulated Continuous Wave)								Phantom = Barski Planar Phantom											
Back of DUT Distance to Planar Phantom (see Appendix D) (Back of Radio Parallel to Planar Phantom)								Shortest Antenna Distance to Planar Phantom (see Appendix D)											
								Antenna 1				Antenna 2							
4.5 cm								4.7 cm				4.7 cm							

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Procedures applied in accordance with FCC KDB 643646 (see reference [9])

1. For Body-worn configuration, battery “d” was selected as the default battery*.
2. When the body SAR of an antenna is ≤ 3.5 W/kg (B15-B22), testing of all other required channels is not necessary for that antenna.
3. When the SAR for all antennas tested using the thinnest* battery is ≤ 4.0 W/kg (B15-B22), test additional batteries using the antenna and channel configuration that resulted in the highest SAR among all antennas (B23-B28). Note: This procedure was applied separately to the 700 MHz band and the 800 MHz band.
4. The audio accessory G3a was selected as the default audio accessory based on preliminary evaluations resulting in the most conservative SAR of all the disclosed audio accessory options.
5. When test reduction applies, the data table entries for such configurations are denoted with N/A (Not Applicable).

* All battery options are the same thickness; therefore preliminary evaluations were performed to establish the default battery.


Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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TABLE 5	BODY-WORN SAR EVALUATION RESULTS
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Device-Under-Test	XG-25P 7/800 Radio Transceiver (System)							
Body-worn Accessory ID #	3 (Additional)							
Audio Accessory ID #	G3a (Default)							
Test Date(s)	Sept. 5, 2012							

C				1	2	3	4	5	6	7	8	
R	Antenna Accessory ID #	Test Freq. (MHz)	Cond. Power Before Test (W)	SAR W/kg 1g		SAR W/kg 1g		SAR W/kg 1g		SAR W/kg 1g		
				Battery a (Additional)		Battery b (Additional)		Battery c (Additional)		Battery d (Default)		
				100% ptt d/f	50% ptt d/f	100% ptt d/f	50% ptt d/f	100% ptt d/f	50% ptt d/f	100% ptt d/f	50% ptt d/f	
				Drift (dB)	50%+droop	Drift dB	50%+droop	Drift dB	50%+droop	Drift dB	50%+droop	
1	1	764.0	2.90	N/A		N/A		N/A		N/A		
2		776.0	2.95	N/A		N/A		N/A		B29	0.704	0.352
3				N/A		N/A		N/A			-0.336	0.380
4		794.0	2.93	N/A		N/A		N/A		B30	0.729	0.365
5				N/A		N/A		N/A			-0.334	0.394
6		805.0	2.90	N/A		N/A		N/A		N/A		
7		806.0	3.20	N/A		N/A		N/A		N/A		
8		824.0	3.20	N/A		N/A		N/A		B31	0.793	0.397
9				N/A		N/A		N/A			-0.320	0.427
10		851.0	3.16	N/A		N/A		N/A		N/A		
11		869.0	3.20	N/A		N/A		N/A		B32	0.430	0.215
12				N/A		N/A		N/A			-0.359	0.234
13	2	764.0	2.90	N/A		N/A		N/A		N/A		
14		776.0	2.95	N/A		N/A		N/A		B33	1.09	0.545
15				N/A		N/A		N/A			-0.138	0.563
16		794.0	2.93	B37	1.10	0.550	B38	0.835	0.418	B39	1.36	0.680
17					-0.167	0.572		-0.162	0.433		-0.375	0.741
18		805.0	2.90	N/A		N/A		N/A		N/A		
19		806.0	3.20	N/A		N/A		N/A		N/A		
20		824.0	3.20	B40	1.10	0.550	B41	1.00	0.500	B42	1.36	0.680
21					-0.272	0.586		-0.326	0.539		-0.335	0.735
22		851.0	3.16	N/A		N/A		N/A		N/A		
23		869.0	3.20	N/A		N/A		N/A		B36	0.908	0.454
24				N/A		N/A		N/A			-0.431	0.501

SAR LIMITS	BODY	SPATIAL PEAK	RF EXPOSURE CATEGORY
FCC 47 CFR 2.1093	Health Canada Safety Code 6	8.0 W/kg	Occupational / Controlled

Notes			
Band 1: 764-776 MHz Test Freq.: 776.0 MHz	Band 2: 794-806 MHz Test Freq.: 794.0 MHz	Band 3: 806-825 MHz Test Freq.: 824.0 MHz	Band 4: 851-870 MHz Test Freq.: 869.0 MHz
C = Column; R = Row		Bx (B = Body) denotes the corresponding Body SAR Plot # as shown in Appendix A	
Test Mode = CW (Unmodulated Continuous Wave)		Phantom = Barski Planar Phantom	
Back of DUT Distance to Planar Phantom (see Appendix D) (Back of Radio Parallel to Planar Phantom)		Shortest Antenna Distance to Planar Phantom (see Appendix D)	
		Antenna 1	Antenna 2
5.4 cm		5.6 cm	5.6 cm

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Procedures applied in accordance with FCC KDB 643646 (see reference [9])

1. For Body-worn configuration, battery “d” was selected as the default battery*.
2. When the body SAR of an antenna is ≤ 3.5 W/kg (B29-B36), testing of all other required channels is not necessary for that antenna.
3. When the SAR for all antennas tested using the thinnest* battery is ≤ 4.0 W/kg (B29-B36), test additional batteries using the antenna and channel configuration that resulted in the highest SAR among all antennas (B37-B42). Note: This procedure was applied separately to the 700 MHz band and the 800 MHz band.
4. The audio accessory G3a was selected as the default audio accessory based on preliminary evaluations resulting in the most conservative SAR of all the disclosed audio accessory options.
5. When test reduction applies, the data table entries for such configurations are denoted with N/A (Not Applicable).

* All battery options are the same thickness; therefore preliminary evaluations were performed to establish the default battery.


Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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TABLE 6	BODY-WORN SAR EVALUATION RESULTS
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Device-Under-Test	XG-25P 7/800 Radio Transceiver (System)							
Body-worn Accessory ID #	4 (Additional)							
Audio Accessory ID #	G3a (Default)							
Test Date(s)	Sept. 5 & 6, 2012							

C				1	2	3	4	5	6	7	8	
R	Antenna Accessory ID #	Test Freq. (MHz)	Cond. Power Before Test (W)	SAR W/kg 1g		SAR W/kg 1g		SAR W/kg 1g		SAR W/kg 1g		
				Battery a (Additional)		Battery b (Additional)		Battery c (Additional)		Battery d (Default)		
				100% ptt d/f	50% ptt d/f	100% ptt d/f	50% ptt d/f	100% ptt d/f	50% ptt d/f	100% ptt d/f	50% ptt d/f	
				Drift (dB)	50%+droop	Drift dB	50%+droop	Drift dB	50%+droop	Drift dB	50%+droop	
1	1	764.0	2.90	N/A		N/A		N/A		N/A		
2		776.0	2.95	N/A		N/A		N/A		B43	2.69	1.35
3				N/A		N/A		N/A			-0.361	1.46
4		794.0	2.93	N/A		N/A		N/A		B44	3.06	1.53
5				N/A		N/A		N/A			-1.74	2.28
6		805.0	2.90	N/A		N/A		N/A		N/A		
7		806.0	3.20	N/A		N/A		N/A		N/A		
8		824.0	3.20	N/A		N/A		N/A		B45	1.96	0.980
9				N/A		N/A		N/A			0.708	n/a
10		851.0	3.16	N/A		N/A		N/A		N/A		
11		869.0	3.20	N/A		N/A		N/A		B46	1.11	0.555
12				N/A		N/A		N/A			-0.100	0.568
13	2	764.0	2.90	N/A		N/A		N/A		N/A		
14		776.0	2.95	N/A		N/A		N/A		B47	6.46	3.23
15				N/A		N/A		N/A			-0.113	3.32
16		794.0	2.93	B51	4.88	2.44	B52	5.64	2.82	B53	6.68	3.34
17					-0.343	2.64		-0.475	3.15		-0.329	3.60
18		805.0	2.90	N/A		N/A		N/A		N/A		
19		806.0	3.20	N/A		N/A		N/A		N/A		
20		824.0	3.20	B54	4.80	2.40	B55	4.37	2.19	B56	5.65	2.83
21					-0.350	2.60		-0.359	2.37		-0.357	3.07
22		851.0	3.16	N/A		N/A		N/A		N/A		
23		869.0	3.20	N/A		N/A		N/A		B50	4.42	2.21
24				N/A		N/A		N/A			-0.333	2.39

SAR LIMITS	BODY	SPATIAL PEAK	RF EXPOSURE CATEGORY
FCC 47 CFR 2.1093	Health Canada Safety Code 6	8.0 W/kg	Occupational / Controlled

Notes			
Band 1: 764-776 MHz Test Freq.: 776.0 MHz	Band 2: 794-806 MHz Test Freq.: 794.0 MHz	Band 3: 806-825 MHz Test Freq.: 824.0 MHz	Band 4: 851-870 MHz Test Freq.: 869.0 MHz
C = Column; R = Row		Bx (B = Body) denotes the corresponding Body SAR Plot # as shown in Appendix A	
Test Mode = CW (Unmodulated Continuous Wave)		Phantom = Barski Planar Phantom	
Back of DUT Distance to Planar Phantom (see Appendix D) (Back of Radio Parallel to Planar Phantom)	Shortest Antenna Distance to Planar Phantom (see Appendix D)		
	Antenna 1		Antenna 2
	3.2 cm		3.3 cm

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Procedures applied in accordance with FCC KDB 643646 (see reference [9])

1. For Body-worn configuration, battery “d” was selected as the default battery*.
2. When the body SAR of an antenna is ≤ 3.5 W/kg (B43-B50), testing of all other required channels is not necessary for that antenna.
3. When the SAR for all antennas tested using the thinnest* battery is ≤ 4.0 W/kg (B43-B50), test additional batteries using the antenna and channel configuration that resulted in the highest SAR among all antennas (B51-B56). Note: This procedure was applied separately to the 700 MHz band and the 800 MHz band.
4. The audio accessory G3a was selected as the default audio accessory based on preliminary evaluations resulting in the most conservative SAR of all the disclosed audio accessory options.
5. When test reduction applies, the data table entries for such configurations are denoted with N/A (Not Applicable).

* All battery options are the same thickness; therefore preliminary evaluations were performed to establish the default battery.




Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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TABLE 7				BODY-WORN SAR EVALUATION RESULTS															
Device-Under-Test				XG-25P 7/800 Radio Transceiver (System)															
Body-worn Accessory ID #				6 (Additional)															
Audio Accessory ID #				G3a (Default)															
Test Date(s)				Sept. 6, 2012															
C				1		2		3		4		5		6		7		8	
R	Antenna Accessory ID #	Test Freq. (MHz)	Cond. Power Before Test (W)	SAR W/kg 1g				SAR W/kg 1g				SAR W/kg 1g				SAR W/kg 1g			
				Battery a (Additional)				Battery b (Additional)				Battery c (Additional)				Battery d (Default)			
				100% ptt d/f		50% ptt d/f		100% ptt d/f		50% ptt d/f		100% ptt d/f		50% ptt d/f		100% ptt d/f		50% ptt d/f	
				Drift (dB)		50%+droop		Drift dB		50%+droop		Drift dB		50%+droop		Drift dB		50%+droop	
1	1	764.0	2.90	N/A				N/A				N/A				N/A			
2		776.0	2.95	N/A				N/A				N/A				B57	1.51	0.755	
3				N/A				N/A				N/A					-0.193	0.789	
4		794.0	2.93	N/A				N/A				N/A				B58	1.76	0.880	
5				N/A				N/A				N/A					-0.279	0.938	
6		805.0	2.90	N/A				N/A				N/A				N/A			
7		806.0	3.20	N/A				N/A				N/A				N/A			
8		824.0	3.20	N/A				N/A				N/A				B59	1.63	0.815	
9				N/A				N/A				N/A					-0.093	0.833	
10		851.0	3.16	N/A				N/A				N/A				N/A			
11		869.0	3.20	N/A				N/A				N/A				B60	0.913	0.457	
12				N/A				N/A				N/A					-0.270	0.486	
13	2	764.0	2.90	N/A				N/A				N/A				N/A			
14		776.0	2.95	N/A				N/A				N/A				B61	2.72	1.36	
15				N/A				N/A				N/A					-0.149	1.41	
16		794.0	2.93	B65	1.73	0.865	B66	2.29	1.15	B67	2.51	1.26	B62	2.80	1.40				
17					-0.272	0.921		-0.241	1.21		-0.241	1.33		-0.225	1.47				
18		805.0	2.90	N/A				N/A				N/A				N/A			
19		806.0	3.20	N/A				N/A				N/A				N/A			
20		824.0	3.20	B68	1.60	0.800	B69	1.60	0.800	B70	1.99	0.995	B63	2.35	1.18				
21					-0.194	0.837		-0.057	0.811		-0.310	1.07		-0.127	1.21				
22		851.0	3.16	N/A				N/A				N/A				N/A			
23		869.0	3.20	N/A				N/A				N/A				B64	1.37	0.685	
24				N/A				N/A				N/A					-0.399	0.751	
SAR LIMITS				BODY				SPATIAL PEAK				RF EXPOSURE CATEGORY							
FCC 47 CFR 2.1093		Health Canada Safety Code 6		8.0 W/kg				1 gram average				Occupational / Controlled							
Notes																			
Band 1: 764-776 MHz Test Freq.: 776.0 MHz				Band 2: 794-806 MHz Test Freq.: 794.0 MHz				Band 3: 806-825 MHz Test Freq.: 824.0 MHz				Band 4: 851-870 MHz Test Freq.: 869.0 MHz							
C = Column; R = Row								Bx (B = Body) denotes the corresponding Body SAR Plot # as shown in Appendix A											
Test Mode = CW (Unmodulated Continuous Wave)								Phantom = Barski Planar Phantom											
Back of DUT Distance to Planar Phantom (see Appendix D) (Back of Radio Parallel to Planar Phantom)								Shortest Antenna Distance to Planar Phantom (see Appendix D)											
								Antenna 1				Antenna 2							
3.5 cm								3.7 cm				3.7 cm							



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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Test Procedures applied in accordance with FCC KDB 643646 (see reference [9])

1. For Body-worn configuration, battery "d" was selected as the default battery*.
2. When the body SAR of an antenna is ≤ 3.5 W/kg (B57-B64), testing of all other required channels is not necessary for that antenna.
3. When the SAR for all antennas tested using the thinnest* battery is ≤ 4.0 W/kg (B57-B64), test additional batteries using the antenna and channel configuration that resulted in the highest SAR among all antennas (B65-B70). Note: This procedure was applied separately to the 700 MHz band and the 800 MHz band.
4. The audio accessory G3a was selected as the default audio accessory based on preliminary evaluations resulting in the most conservative SAR of all the disclosed audio accessory options.
5. When test reduction applies, the data table entries for such configurations are denoted with N/A (Not Applicable).


* All battery options are the same thickness; therefore preliminary evaluations were performed to establish the default battery.



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	Test Report Issue Date August 10, 2016	Description of Test(s) Specific Absorption Rate	RF Exposure Category Occupational (Controlled)	

BODY-WORN SAR EVALUATION RESULTS (System & Scan Radio Model Variant Comparison)


TABLE 8													XG-25P 7/800 SCAN Radio Keypad Variant Model						XG-25P 7/800 SYSTEM Radio Base Model					
Body-worn Accessory ID#			5 (Default)																					
Audio Accessory ID #			G3a (Default)																					
C			1	2		3			4	5		6												
R	Antenna Accessory ID #	Test Freq. (MHz)	Cond. Power Before Test (W)	SAR W/kg (1g)		Battery Accessory ID #	Cond. Power Before Test (W)	SAR W/kg (1g)		Battery Accessory ID #														
				100% ptt d/f	50% ptt d/f			100% ptt d/f	50% ptt d/f															
				Drift (dB)	50%+droop			Drift dB	50%+droop															
1	1	764.0	2.93	N/A			2.90	N/A																
2		776.0	2.96	N/A			2.95	N/A																
3		794.0	2.90	B71	5.25	2.63	d	2.93	B2	5.38	2.69	d												
4					0.001	n/a				-0.003	2.69													
5		805.0	2.95	N/A			2.90	N/A																
6		806.0	3.20	N/A			3.20	N/A																
7		824.0	3.19	N/A			3.20	N/A																
8		851.0	3.13	N/A			3.16	N/A																
9		869.0	3.17	N/A			3.20	N/A																
10	2	764.0	2.93	N/A			2.90	N/A																
11		776.0	2.96	B72	4.49	2.25	d	2.95	B5	7.18	3.59	d												
12					0.066	n/a				-0.163	3.73													
13		794.0	2.90	N/A			2.93	N/A																
14		805.0	2.95	N/A			2.90	N/A																
15		806.0	3.20	N/A			3.20	N/A																
16		824.0	3.19	N/A			3.20	N/A																
17		851.0	3.13	N/A			3.16	N/A																
18		869.0	3.17	N/A			3.20	N/A																
SAR LIMITS				BODY		SPATIAL PEAK			RF EXPOSURE CATEGORY															
FCC 47 CFR 2.1093		Health Canada Safety Code 6		8.0 W/kg		1 gram average			Occupational / Controlled															
Notes																								
Test Mode = CW (Unmodulated Continuous Wave)						Phantom = Barski Planar Phantom																		
C = Column; R = Row						Bx (B = Body) denotes the corresponding Body SAR Plot # as shown in Appendix A																		
N/A = Not Applicable						Test reduction procedures applied for Scan model = FCC KDB Inquiry #235657																		
Back of DUT Distance to Planar Phantom (see Appendix D) (Back of Radio Parallel to Planar Phantom)						Shortest Antenna Distance to Planar Phantom (see Appendix D)																		
						Antenna 1			Antenna 2															
1.6 cm						1.9 cm			1.9 cm															



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	Test Report Issue Date August 10, 2016	Description of Test(s) Specific Absorption Rate	RF Exposure Category Occupational (Controlled)	

BODY-WORN SAR EVALUATION RESULTS (System & Scan Radio Model Variant Comparison)

TABLE 9													
XG-25P 7/800 SCAN Radio Keypad Variant Model				XG-25P 7/800 SYSTEM Radio Base Model									
Body-worn Accessory ID#													
1 (Additional)													
Audio Accessory ID #													
G3a (Default)													
C		1		2		3		4		5		6	
R	Antenna Accessory ID #	Test Freq. (MHz)	Cond. Power Before Test (W)	SAR W/kg (1g)		Battery Accessory ID #	Cond. Power Before Test (W)	SAR W/kg (1g)		Battery Accessory ID #			
				100% ptt d/f	50% ptt d/f			100% ptt d/f	50% ptt d/f				
				Drift (dB)	50%+droop			Drift dB	50%+droop				
1	1	764.0	2.93	N/A			2.90	N/A					
2		776.0	2.96	B73	1.21	0.605	d	2.95	B15	1.15	0.575	d	
3					-0.273	0.644				-0.311	0.618		
4		794.0	2.90	N/A			2.93	N/A					
5		805.0	2.95	N/A			2.90	N/A					
6		806.0	3.20	N/A			3.20	N/A					
7		824.0	3.19	N/A			3.20	N/A					
8		851.0	3.13	N/A			3.16	N/A					
9		869.0	3.17	N/A			3.20	N/A					
10		764.0	2.93	N/A			2.90	N/A					
11	776.0	2.96	N/A			2.95	N/A						
12	2	794.0	2.90	B74	1.94	0.970	d	2.93	B20	1.69	0.845	d	
13					-0.022	0.975				-0.262	0.898		
14		805.0	2.95	N/A			2.90	N/A					
15		806.0	3.20	N/A			3.20	N/A					
16		824.0	3.19	N/A			3.20	N/A					
17		851.0	3.13	N/A			3.16	N/A					
18		869.0	3.17	N/A			3.20	N/A					
SAR LIMITS				BODY		SPATIAL PEAK		RF EXPOSURE CATEGORY					
FCC 47 CFR 2.1093		Health Canada Safety Code 6		8.0 W/kg		1 gram average		Occupational / Controlled					
Notes													
Test Mode = CW (Unmodulated Continuous Wave)						Phantom = Barski Planar Phantom							
C = Column; R = Row						Bx (B = Body) denotes the corresponding Body SAR Plot # as shown in Appendix A							
N/A = Not Applicable						Test reduction procedures applied for Scan model = FCC KDB Inquiry #235657							
Back of DUT Distance to Planar Phantom (see Appendix D) (Back of Radio Parallel to Planar Phantom)						Shortest Antenna Distance to Planar Phantom (see Appendix D)							
						Antenna 1			Antenna 2				
4.5 cm						4.7 cm			4.7 cm				

Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	Test Report Issue Date August 10, 2016	Description of Test(s) Specific Absorption Rate	RF Exposure Category Occupational (Controlled)	

BODY-WORN SAR EVALUATION RESULTS (System & Scan Radio Model Variant Comparison)

TABLE 10		XG-25P 7/800 SCAN Radio Keypad Variant Model					XG-25P 7/800 SYSTEM Radio Base Model					
Body-worn Accessory ID#		3 (Additional)										
Audio Accessory ID #		G3a (Default)										
C		1	2	3	4	5	6					
R	Antenna Accessory ID #	Test Freq. (MHz)	Cond. Power Before Test (W)	SAR W/kg (1g)		Battery Accessory ID #	Cond. Power Before Test (W)	SAR W/kg (1g)		Battery Accessory ID #		
				100% ptt d/f	50% ptt d/f			100% ptt d/f	50% ptt d/f			
				Drift (dB)	50%+droop			Drift dB	50%+droop			
1	1	764.0	2.93	N/A			2.90	N/A				
2		776.0	2.96	N/A			2.95	N/A				
3		794.0	2.90	N/A			2.93	N/A				
4		805.0	2.95	N/A			2.90	N/A				
5		806.0	3.20	N/A			3.20	N/A				
6		824.0	3.19	B75	0.804	0.402	d	3.20	B31	0.793	0.397	d
7					-0.259	0.427				-0.320	0.427	
8		851.0	3.13	N/A			3.16	N/A				
9		869.0	3.17	N/A			3.20	N/A				
10	2	764.0	2.93	N/A			2.90	N/A				
11		776.0	2.96	N/A			2.95	N/A				
12		794.0	2.90	B76	1.54	0.770	d	2.93	B34	1.51	0.755	d
13					0.026	n/a				-0.273	0.804	
14		805.0	2.95	N/A			2.90	N/A				
15		806.0	3.20	N/A			3.20	N/A				
16		824.0	3.19	N/A			3.20	N/A				
17		851.0	3.13	N/A			3.16	N/A				
18		869.0	3.17	N/A			3.20	N/A				

SAR LIMITS		BODY	SPATIAL PEAK	RF EXPOSURE CATEGORY
FCC 47 CFR 2.1093	Health Canada Safety Code 6	8.0 W/kg	1 gram average	Occupational / Controlled



Notes	
Test Mode = CW (Unmodulated Continuous Wave)	Phantom = Barski Planar Phantom
C = Column; R = Row	Bx (B = Body) denotes the corresponding Body SAR Plot # as shown in Appendix A
N/A = Not Applicable	Test reduction procedures applied for Scan model = FCC KDB Inquiry #235657
Back of DUT Distance to Planar Phantom (see Appendix D) (Back of Radio Parallel to Planar Phantom)	Shortest Antenna Distance to Planar Phantom (see Appendix D)
	Antenna 1 Antenna 2
	5.4 cm 5.6 cm 5.6 cm

BODY-WORN SAR EVALUATION RESULTS (System & Scan Radio Model Variant Comparison)

TABLE 11												XG-25P 7/800 SCAN Radio Keypad Variant Model						XG-25P 7/800 SYSTEM Radio Base Model					
Body-worn Accessory ID#												4 (Additional)											
Audio Accessory ID #												G3a (Default)											
C			Cond. Power Before Test (W)	1		2		3		Cond. Power Before Test (W)	4		5		6								
R	Antenna Accessory ID #	Test Freq. (MHz)		SAR W/kg (1g)		SAR W/kg (1g)		Battery Accessory ID #			SAR W/kg (1g)		SAR W/kg (1g)		Battery Accessory ID #								
				100% ptt d/f		50% ptt d/f					100% ptt d/f		50% ptt d/f										
				Drift (dB)		50%+droop					Drift dB		50%+droop										
1	1	764.0	2.93	N/A				2.90	N/A														
2		776.0	2.96	N/A				2.95	N/A														
3		794.0	2.90	B77	2.21	1.11	d		2.93	B44	3.06	1.53	d										
4					-0.071	1.12					-1.74	2.28											
5		805.0	2.95	N/A				2.90	N/A														
6		806.0	3.20	N/A				3.20	N/A														
7		824.0	3.19	N/A				3.20	N/A														
8		851.0	3.13	N/A				3.16	N/A														
9		869.0	3.17	N/A				3.20	N/A														
10		2	764.0	2.93	N/A				2.90	N/A													
11	776.0		2.96	N/A				2.95	N/A														
12	794.0		2.90	B78	5.24	2.62	d		2.93	B48	7.23	3.62	d										
13					-0.001	2.62					-0.247	3.83											
14	805.0		2.95	N/A				2.90	N/A														
15	806.0		3.20	N/A				3.20	N/A														
16	824.0		3.19	N/A				3.20	N/A														
17	851.0		3.13	N/A				3.16	N/A														
18	869.0	3.17	N/A				3.20	N/A															

SAR LIMITS		BODY	SPATIAL PEAK	RF EXPOSURE CATEGORY
FCC 47 CFR 2.1093	Health Canada Safety Code 6	8.0 W/kg	1 gram average	Occupational / Controlled

Notes			
Test Mode = CW (Unmodulated Continuous Wave)		Phantom = Barski Planar Phantom	
C = Column; R = Row		Bx (B = Body) denotes the corresponding Body SAR Plot # as shown in Appendix A	
N/A = Not Applicable		Test reduction procedures applied for Scan model = FCC KDB Inquiry #235657	
Back of DUT Distance to Planar Phantom (see Appendix D) (Back of Radio Parallel to Planar Phantom)		Shortest Antenna Distance to Planar Phantom (see Appendix D)	
		Antenna 1	Antenna 2
3.2 cm		3.3 cm	3.3 cm



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BODY-WORN SAR EVALUATION RESULTS (System & Scan Radio Model Variant Comparison)

TABLE 12												XG-25P 7/800 SCAN Radio Keypad Variant Model						XG-25P 7/800 SYSTEM Radio Base Model					
Body-worn Accessory ID#												6 (Additional)											
Audio Accessory ID #												G3a (Default)											
C			Cond. Power Before Test (W)	1		2		3		Cond. Power Before Test (W)	4		5		6								
R	Antenna Accessory ID #	Test Freq. (MHz)		SAR W/kg (1g)		SAR W/kg (1g)		Battery Accessory ID #			SAR W/kg (1g)		SAR W/kg (1g)		Battery Accessory ID #								
				100% ptt d/f		50% ptt d/f					100% ptt d/f		50% ptt d/f										
				Drift (dB)		50%+droop					Drift dB		50%+droop										
1	1	764.0	2.93		N/A				2.90		N/A												
2		776.0	2.96		N/A				2.95		N/A												
3		794.0	2.90	B79	1.78	0.890	d		2.93	B58	1.76	0.880	d										
4					-0.241	0.941					-0.279	0.938											
5		805.0	2.95		N/A				2.90		N/A												
6		806.0	3.20		N/A				3.20		N/A												
7		824.0	3.19		N/A				3.20		N/A												
8		851.0	3.13		N/A				3.16		N/A												
9		869.0	3.17		N/A				3.20		N/A												
10		2	764.0	2.93		N/A				2.90		N/A											
11	776.0		2.96		N/A				2.95		N/A												
12	794.0		2.90	B80	2.90	1.45	d		2.93	B62	2.80	1.40	d										
13					-0.168	1.51					-0.225	1.47											
14	805.0		2.95		N/A				2.90		N/A												
15	806.0		3.20		N/A				3.20		N/A												
16	824.0		3.19		N/A				3.20		N/A												
17	851.0		3.13		N/A				3.16		N/A												
18	869.0	3.17		N/A				3.20		N/A													

SAR LIMITS		BODY		SPATIAL PEAK		RF EXPOSURE CATEGORY	
FCC 47 CFR 2.1093	Health Canada Safety Code 6	8.0 W/kg		1 gram average		Occupational / Controlled	

Notes			
Test Mode = CW (Unmodulated Continuous Wave)		Phantom = Barski Planar Phantom	
C = Column; R = Row		Bx (B = Body) denotes the corresponding Body SAR Plot # as shown in Appendix A	
N/A = Not Applicable		Test reduction procedures applied for Scan model = FCC KDB Inquiry #235657	
Back of DUT Distance to Planar Phantom (see Appendix D) (Back of Radio Parallel to Planar Phantom)		Shortest Antenna Distance to Planar Phantom (see Appendix D)	
		Antenna 1	
		Antenna 2	
3.5 cm		3.7 cm	

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	
	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

10.0 SAR SCALING (TUNE-UP TOLERANCE)

SCALING OF MAXIMUM SAR LEVELS TO MANUFACTURER'S TUNE-UP TOLERANCE SPECIFICATION

Test Config.	Test Freq. (MHz)	Antenna Accessory ID #	Battery Accessory ID #	Body-worn Accessory ID #	Conducted Power Before Test	SAR Level 1g (50% PTT d/f)		Scaling up to Manuf. Upper Tol. Power Spec.	Scaled SAR (50% PTT d/f) 1g (W/kg)
					Watts	W/kg	Plot #		
Body-worn	794.0	2	d	4	2.93	3.62	B48	+0.03 dB	3.65
SAR LIMITS					BODY	SPATIAL PEAK		RF EXPOSURE CATEGORY	
FCC 47 CFR 2.1093		Health Canada Safety Code 6			8.0 W/kg	1 gram average		Occupational / Controlled	

Manufacturer's Rated Output Power Specification inc. Upper Tolerance

700 Band = 2.95 Watts

11.0 SIMULTANEOUS TRANSMISSION ASSESSMENT

The Bluetooth transmitter has a measured conducted output power of 0.0011W (0.4dBm) which meets the SAR Test Exclusion Threshold as per FCC KDB 447498 4.3.1. The simultaneous transmission estimated SAR per 447498 4.3.2 is given by:

$$\text{SAR} = [P/d] * [\sqrt{f/x}] = 0.046\text{W/kg}$$

Where:

P = Maximum Channel Power (mW) = 1.1

d = Minimum Test Separation Distance (mm) = 5


f = Maximum Transmit Frequency (GHz) = 2.48



x = 7.5 for 1g SAR

This is the most conservative SAR estimation and will be applied to BOTH Face and Body configurations. Adding the Estimated SAR to the measured SAR gives:

Face-Held: 1.63 + 0.046 = 1.676W/kg

Body-Worn: 3.62 + 0.046 = 3.666W/kg

Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

12.0 SAR PROBE CALIBRATION & MEASUREMENT FREQUENCIES

The following procedures are recommended for measurements at 150 MHz - 3 GHz to minimize probe calibration and tissue dielectric parameter discrepancies. In general, SAR measurements below 300 MHz should be within ± 50 MHz of the probe calibration frequency. At 300 MHz to 3 GHz, measurements should be within ± 100 MHz of the probe calibration frequency. Measurements exceeding 50% of these intervals, ± 25 MHz < 300 MHz and ± 50 MHz ≥ 300 MHz, require additional steps (per FCC KDB 450824 D01 v01r01, SAR Probe Calibration and System Verification Considerations for Measurements at 150 MHz - 3 GHz - see reference [10]).

Probe Calibration Freq.	Device Measurement Freq.	Frequency Interval	± 50 MHz ≥ 300 MHz
835 MHz	764 MHz	71 MHz	> 50 MHz ²
	776 MHz	59 MHz	> 50 MHz ²
	794 MHz	41 MHz	< 50 MHz ¹
	805 MHz	50 MHz	< 50 MHz ¹
	806 MHz	29 MHz	< 50 MHz ¹
	824 MHz	11 MHz	< 50 MHz ¹
	851 MHz	16 MHz	< 50 MHz ¹
	869 MHz	34 MHz	< 50 MHz ¹

1. The probe calibration and measurement frequency interval is < 50 MHz; therefore the additional steps were not required.

2. The probe calibration and measurement frequency interval is > 50 MHz; therefore the following additional steps were implemented (per FCC KDB 450824 D01 v01r01): *The measured 1-g SAR may be compensated with respect to +5% tolerances in ϵ_r and -5% tolerances in σ , computed according to valid SAR sensitivity data, to reduce SAR underestimation and maintain conservativeness.*

Probe Calibration Frequency = 835 MHz					Target Parameters: Head 41.5 ϵ_r / 0.9 σ ~ Body 55.2 ϵ_r / 0.97 σ					
Test Freq.	Date	Tissue	σ	Sensitivity	ϵ_r	Sensitivity	% Change	Compensated SAR Level (W/kg)		
776 MHz	Sep 4	Body	-6.08% ³	0.59	1.09%	-0.57	4.21%	3.74	1g	50% ptt d/f
776 MHz	Sep 5	Body	-5.98% ³	0.59	0.91%	-0.57	4.05%	3.36	1g	50% ptt d/f
776 MHz	Sep 7	Head	-6.56% ³	0.59	3.13%	-0.57	5.65%	1.72	1g	50% ptt d/f


Parameter	ϵ	σ	ρ
f=800 MHz, d=15 mm ($\epsilon_r=41.5$, $\sigma=0.90$ S/m)			
SAR Peak	- 0.70	+ 0.86	-
SAR 1 g	- 0.57	+ 0.59	0.10
SAR 10 g	- 0.45	+ 0.35	0.18



Notes

1. The above sensitivity formula (Head) from the DASY4 manual (see reference [17]) can be applied to Body tissue parameters (per SPEAG SAR system manufacturer).

2. The highest measured SAR level configurations are reported.

3. FCC KDB 450824 refers to probe calibrations with fluid parameter tolerances $\pm 5\%$; SPEAG's current probe calibration is valid for fluid parameter tolerances of $\pm 10\%$ (See Appendix F). We have accounted for the $> 5\%$ measured fluid parameter tolerance in the measurement uncertainty table (see Section 24.0) and have still applied the same sensitivity calculation adjustment to the SAR levels as shown in the above table.

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13.0 SAR LEVEL CORRECTION FOR FLUID DEVIATION (IC RSS-102 / IEC 62209-2)

The SAR levels are corrected for deviation of complex permittivity in accordance with Section 6.1.1 of IEC 62209-2:2010 (see reference [5]) as shown below.

Test Config.	Date	Test Freq. (GHz)	Test_e	Test_s	Target_e	Target_s	Deviation Permittivity	Deviation Conductivity	Measured SAR Level 50% d/f (W/kg)	Corrected SAR Level 50% d/f (W/kg)
Body	9/4	0.776*	55.8	0.911	55.2	0.97	1.09%	-6.08%	3.59	3.76
Body	9/4	0.794*	55.5	0.92	55.2	0.97	0.54%	-5.15%	3.19	3.32
Body	9/5	0.776*	55.7	0.912	55.2	0.97	0.91%	-5.98%	3.23	3.38
Face	9/7	0.776*	42.8	0.841	41.5	0.9	3.13%	-6.56%	1.63	1.72
Face	9/7	0.794*	42.5	0.85	41.5	0.9	2.41%	-5.56%	1.45	1.52

*interpolated using DASY4 software

SAR Correction Formula (IEC 62209-2:2010 Section 6.1.1)

$$\Delta SAR = c_e \Delta \epsilon_r + c_\sigma \Delta \sigma \quad (F.1)$$

where

$c_e = \partial(\Delta SAR) / \partial(\Delta \epsilon)$ is the coefficients representing the sensitivity of SAR to permittivity where SAR is normalized to output power;

$c_\sigma = \partial(\Delta SAR) / \partial(\Delta \sigma)$ is the coefficients representing the sensitivity of SAR to conductivity, where SAR is normalized to output power.

The values of c_e and c_σ have a simple relationship with frequency that can be described using polynomial equations. For the 1 g averaged SAR c_e and c_σ are given by

$$c_e = -7,854 \times 10^{-4} f^3 + 9,402 \times 10^{-3} f^2 - 2,742 \times 10^{-2} f - 0,2026 \quad (F.2)$$

$$c_\sigma = 9,804 \times 10^{-3} f^3 - 8,661 \times 10^{-2} f^2 + 2,981 \times 10^{-2} f + 0,7829 \quad (F.3)$$

where


f is the frequency in GHz.



SAR Correction Calculation

Date	04-Sep	04-Sep	05-Sep	07-Sep	07-Sep
Frequency (GHz)	0.776	0.794	0.776	0.776	0.794
Ce	-0.2186	-0.2188	-0.2186	-0.2186	-0.2188
Cσ	0.7585	0.7569	0.7585	0.7585	0.7569
Δ E	1.09%	0.54%	0.91%	3.13%	2.41%
Δσ	-6.08%	-5.15%	-5.98%	-6.56%	-5.56%
ΔSAR	-4.85%	-4.02%	-4.73%	-5.66%	-4.74%

Conclusion

The correction ΔSAR has a negative sign; therefore correction is applied to the measured SAR level.

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14.0 DETAILS OF SAR EVALUATION

1. The number of test frequencies and the test channels selected for the SAR evaluations are in accordance with the procedures described in FCC KDB 447498 Section 6) c) (see reference [8]).
2. The DUT was evaluated for SAR in accordance with the procedures described in FCC KDB 643646 (see reference [9]).
3. The SAR evaluations were performed with a fully charged battery.
4. The SAR drift of the DUT was measured by the DASY4 system for the duration of the SAR evaluations. The measured SAR droop was added to the measured SAR levels to report scaled SAR levels as shown in the SAR test data tables. A SAR-versus-Time power droop evaluation was performed and is shown in Appendix A.
5. The fluid temperature remained within +/-2°C from the fluid dielectric parameter measurement to the completion of the SAR evaluation.
6. The dielectric parameters of the simulated tissue mixtures were measured prior to the SAR evaluations using a Dielectric Probe Kit and a Network Analyzer (see Appendix C).
7. The DUT was evaluated for SAR at the maximum conducted output power level preset by the manufacturer in unmodulated continuous transmit operation (Continuous Wave mode at 100% duty cycle) with the transmit key constantly depressed. For a push-to-talk device the 50% duty cycle compensation reported assumes a transmit/receive cycle of equal time base.
8. The face-held SAR evaluations were performed with the UDC Weatherproof Cover accessory (Harris P/N: FM-014712) attached to the accessory connector on the DUT. The accessory cover was removed for the body-worn SAR evaluations, in order for the DUT to accommodate the audio accessories.

15.0 SAR EVALUATION PROCEDURES

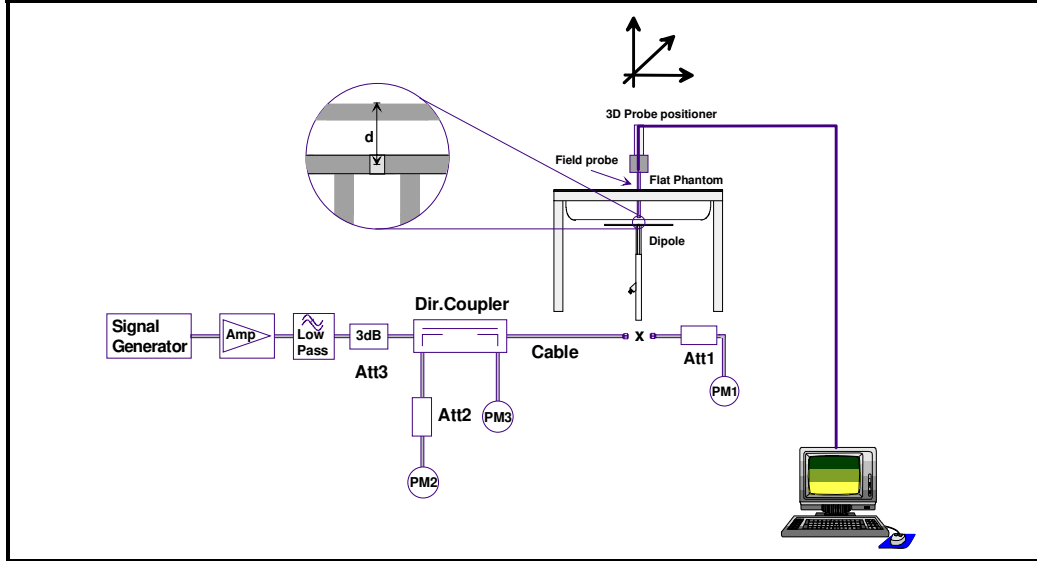
- a. (i) The evaluation was performed in the applicable area of the phantom depending on the type of device being tested. For devices held to the ear during normal operation, both the left and right ear positions were evaluated using the SAM phantom.
(ii) For body-worn and face-held devices, a planar phantom was used.
- b. The SAR was determined by a pre-defined procedure within the DASY4 software. Upon completion of a reference and optical surface check, the exposed region of the phantom was scanned near the inner surface with a grid spacing of 15mm x 15mm.
An area scan was determined as follows:
- c. Based on the defined area scan grid, a more detailed grid is created to increase the points by a factor of 10. The interpolation function then evaluates all field values between corresponding measurement points.
- d. A linear search is applied to find all the candidate maxima. Subsequently, all maxima are removed that are >2 dB from the global maximum. The remaining maxima are then used to position the cube scans.
A 1g and 10g spatial peak SAR was determined as follows:
- e. Extrapolation is used to find the points between the dipole center of the probe and the surface of the phantom. This data cannot be measured, since the center of the dipoles is 2.7 mm away from the tip of the probe and the distance between the surface and the lowest measuring point is 1.4 mm (see probe calibration document in Appendix F). The extrapolation was based on trivariate quadratics computed from the previously calculated 3D interpolated points nearest the phantom surface.
- f. Interpolated data is used to calculate the average SAR over 1g and 10g cubes by spatially discretizing the entire measured cube. The volume used to determine the averaged SAR is a 1mm grid (42875 interpolated points).
- g. A zoom scan volume of 30 mm x 30 mm x 30 mm (5 x 5 x 7 points) centered at the peak SAR location determined from the area scan is used for all zoom scans for devices with a transmit frequency < 800 MHz. Zoom scans for frequencies ≥ 800 MHz are determined with a scan volume of 30 mm x 30 mm x 30 mm (7 x 7 x 7) to ensure complete capture of the peak spatial-average SAR.

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16.0 SYSTEM PERFORMANCE CHECK

Prior to the SAR evaluations, system checks were performed with a planar phantom and an 835 MHz SPEAG validation dipole (see Appendix B for system performance check test plots) in accordance with the procedures described in IEEE Standard 1528-2013 (see reference [5]). The dielectric parameters of the simulated tissue mixture were measured prior to the system performance check using a Dielectric Probe Kit and a Network Analyzer (see Appendix C for measured fluid dielectric parameters). A forward power of 250 mW was applied to the dipole and the system was verified to a tolerance of $\pm 10\%$ from the system manufacturer's dipole calibration target SAR value (see Appendix E for system manufacturer's dipole calibration procedures).

SYSTEM PERFORMANCE CHECK EVALUATIONS																
Test Date	Equiv. Tissue	SAR 1g (W/kg)			Dielectric Constant ϵ_r			Conductivity σ (mho/m)			ρ (Kg/m ³)	Amb. Temp. (°C)	Fluid Temp. (°C)	Fluid Depth (cm)	Humid. (%)	Barom. Press. (kPa)
		Freq. (MHz)	Target	Meas.	Dev.	Target	Meas.	Dev.	Target	Meas.						
Sept. 4	Body 835	2.47 $\pm 10\%$	2.42	-2.8%	55.2 $\pm 5\%$	55.2	0.0%	0.97 $\pm 5\%$	0.96	-1.0%	1000	23	22.5	≥ 15	34	101.1
Sept. 7	Body 835	2.47 $\pm 10\%$	2.36	-5.2%	55.2 $\pm 5\%$	54.2	-1.8%	0.97 $\pm 5\%$	0.96	-1.0%	1000	23	22.5	≥ 15	30	101.1
Sept. 7	Head 835	2.36 $\pm 10\%$	2.24	-4.7%	41.5 $\pm 5\%$	42.1	+1.4%	0.90 $\pm 5\%$	0.88	-2.2%	1000	23	22.9	≥ 15	30	101.1
Notes	1.	The target SAR values are the measured values specified by the SAR system manufacturer in the dipole calibration document (see Appendix E).														
	2.	The target fluid dielectric parameters are the nominal values specified by the SAR system manufacturer in the dipole calibration document (see Appendix E) and specified in IEEE Standard 1528-2013 (Head) and IC RSS-102 Issue 5 (Body).														
	3.	The fluid temperature remained within $\pm 2^\circ\text{C}$ from the fluid dielectric parameter measurement to the completion of the system performance check.														
	4.	The dielectric parameters of the simulated tissue mixture were measured prior to the system performance check using a Dielectric Probe Kit and a Network Analyzer (see Appendix C).														
	5.	System Performance Checks were not performed for all the SAR evaluation test dates based on compliance with the following provision as per the TCBC Workshop Presentation April 5-7, 2011 (Kwok Chan Presentation File 04-06-2011-FCC 4 RF Exposure Guidance 040611- KC): <u>SAR System Verification</u> when head and body tissue dielectric parameters are required to test a device, separate SAR system verifications are required - daily verification of each liquid is usually not necessary when liquid parameter tolerances are maintained in a controlled environment - typically every few days is sufficient or when liquid is changed														



System Performance Check Measurement Setup Diagram (IEEE Standard 1528-2013)

835 MHz SPEAG Validation Dipole Setup



17.0 SIMULATED EQUIVALENT TISSUES

The simulated equivalent tissue recipes in the table below are derived from the SAR system manufacturer's suggested recipes in the DASY4 manual (see references [11] and [12]) in accordance with the procedures and requirements specified in IEEE Standard 1528-2013 (see reference [5]). The ingredient percentage may have been adjusted minimally in order to achieve the appropriate target dielectric parameters within the specified tolerance.

SIMULATED TISSUE MIXTURES					
INGREDIENT	Water	835 MHz Head Tissue Mixture	40.71 %	835 MHz Body Tissue Mixture	53.79 %
	Sugar		56.63 %		45.13 %
	Salt		1.48 %		0.98 %
	HEC		0.99 %		--
	Bactericide		0.19 %		0.10 %


18.0 SAR LIMITS



SAR RF EXPOSURE LIMITS			
FCC 47 CFR 2.1093	Health Canada Safety Code 6	(General Population / Uncontrolled Exposure)	(Occupational / Controlled Exposure)
Spatial Average (averaged over the whole body)		0.08 W/kg	0.4 W/kg
Spatial Peak (averaged over any 1 g of tissue)		1.6 W/kg	8.0 W/kg
Spatial Peak (hands/wrists/feet/ankles averaged over 10 g)		4.0 W/kg	20.0 W/kg
The Spatial Average value of the SAR averaged over the whole body.			
The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.			
The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.			
Uncontrolled environments are defined as locations where there is potential exposure of individuals who have no knowledge or control of their potential exposure.			
Controlled environments are defined as locations where there is potential exposure of individuals who have knowledge of their potential exposure and can exercise control over their exposure.			

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19.0 ROBOT SYSTEM SPECIFICATIONS

<u>Specifications</u>	
Positioner	Stäubli Unimation Corp. Robot Model: RX60L
Repeatability	0.02 mm
No. of axis	6
<u>Data Acquisition Electronic (DAE) System</u>	
<u>Cell Controller</u>	
Processor	AMD Athlon XP 2400+
Clock Speed	2.0 GHz
Operating System	Windows XP Professional
<u>Data Converter</u>	
Features	Signal Amplifier, multiplexer, A/D converter, and control logic
Software	Measurement Software: DASY4, V4.7 Build 44 Postprocessing Software: SEMCAD, V1.8 Build 171
Connecting Lines	Optical downlink for data and status info., Optical uplink for commands and clock
<u>DASY4 Measurement Server</u>	
Function	Real-time data evaluation for field measurements and surface detection
Hardware	PC/104 166MHz Pentium CPU; 32 MB chipdisk; 64 MB RAM
Connections	COM1, COM2, DAE, Robot, Ethernet, Service Interface
<u>E-Field Probe</u>	
Model	ET3DV6
Serial No.	1590
Construction	Triangular core fiber optic detection system
Frequency	10 MHz to 6 GHz
Linearity	±0.2 dB (30 MHz to 3 GHz)
<u>Phantom 1</u>	
Type	SAM V4.0C
Shell Material	Fiberglass
Thickness	2.0 ±0.1 mm
Volume	Approx. 25 liters
<u>Phantom 2</u>	
Type	Side Planar Phantom
Shell Material	Plexiglass
Bottom Thickness	2.0 mm ± 0.1 mm
Inner Dimensions	72.6 cm (L) x 20.3 cm (W) x 20.3 cm (H)
<u>Phantom 3</u>	
Type	Barski Planar Phantom
Shell Material	Fiberglass
Thickness	2.0 ±0.1 mm
Volume	Approx. 70 liters

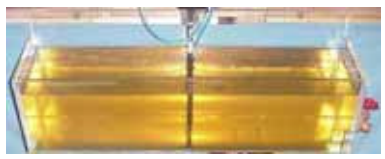


Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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20.0 PROBE SPECIFICATION (ET3DV6)


<p>Construction: Symmetrical design with triangular core; Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, glycol)</p> <p>Calibration: In air from 10 MHz to 2.5 GHz In head simulating tissue at frequencies of 900 MHz and 1.8 GHz (accuracy $\pm 8\%$)</p> <p>Frequency: 10 MHz to > 6 GHz; Linearity: ± 0.2 dB (30 MHz to 3 GHz)</p> <p>Directivity: ± 0.2 dB in head tissue (rotation around probe axis) ± 0.4 dB in head tissue (rotation normal to probe axis)</p> <p>Dynamic Range: 5 μW/g to > 100 mW/g; Linearity: ± 0.2 dB</p> <p>Surface Detect: ± 0.2 mm repeatability in air and clear liquids over diffuse reflecting surfaces</p> <p>Dimensions: Overall length: 330 mm; Tip length: 16 mm; Body diameter: 12 mm; Tip diameter: 6.8 mm Distance from probe tip to dipole centers: 2.7 mm</p> <p>Application: General dosimetry up to 3 GHz; Compliance tests of mobile phone</p>	
ET3DV6 E-Field Probe	



21.0 PHANTOM(S)

<p>The Side Planar Phantom is constructed of Plexiglas material with a 2.0 mm shell thickness for face-held and body-worn SAR evaluations of portable radio transceivers. The side planar phantom is mounted on the side of the DASY4 compact system table.</p>	
Plexiglas Side Planar Phantom	
<p>The Barski Planar Phantom is a fiberglass shell phantom with a 2.0 mm (+/- 0.2mm) thick device measurement area at the center of the phantom for SAR evaluations of devices with a larger surface area than the planar section of the SAM phantom. The planar phantom is integrated in a wooden table. The planar phantom is used for SAR evaluations and system performance check evaluations. See Appendix G for dimensions and specifications of the Barski planar phantom.</p>	
Barski Planar Phantom	
<p>The SAM Twin Phantom V4.0C is a fiberglass shell phantom with a 2.0 mm (+/- 0.2 mm) shell thickness for left and right head and flat planar area integrated in a wooden table. The shape of the fiberglass shell corresponds to the phantom defined by SCC34-SC2. The device holder positions are adjusted to the standard measurement positions in the three sections. See Appendix H for specifications of the SAM Twin Phantom V4.0C.</p>	
SAM Twin Phantom V4.0C	

22.0 DEVICE HOLDER


<p>The DASY4 device holder has two scales for device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear openings). The plane between the ear openings and the mouth tip has a rotation angle of 65°. The bottom plate contains three pair of bolts for locking the device holder. The device holder positions are adjusted to the standard measurement positions in the three sections.</p>	
Device Holder	



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23.0 TEST EQUIPMENT LIST


TEST EQUIPMENT		ASSET NO.	SERIAL NO.	DATE CALIBRATED	CALIBRATION INTERVAL
USED	DESCRIPTION				
x	Schmid & Partner DASY4 System	-	-	-	-
x	-DASY4 Measurement Server	00158	1078	CNR	CNR
x	-Robot	00046	599396-01	CNR	CNR
x	-DAE4	00019	353	19-Apr-12	Biennial
x	-ET3DV6 E-Field Probe	00017	1590	24-Apr-12	Annual
x	-D835V2 Validation Dipole	00217	4d075	20-Apr-12	Triennial
x	Side Planar Phantom	00156	161	CNR	CNR
x	Barski Planar Phantom	00155	03-01	CNR	CNR
x	SPEAG SAM Twin Phantom V4.0C	00154	1033	CNR	CNR
x	HP 85070C Dielectric Probe Kit	00033	none	CNR	CNR
x	Gigatronics 8652A Power Meter	00007	1835272	03-May-12	Biennial
x	Gigatronics 80701A Power Sensor	00014	1833542	03-May-12	Biennial
	Gigatronics 80334A Power Sensor	-	1837001	03-May-12	Biennial
x	HP 8753ET Network Analyzer	00134	US39170292	26-Apr-12	Biennial
x	Rohde & Schwarz SMR20 Signal Generator	00006	100104	02-May-12	Biennial
x	Amplifier Research 5S1G4 Power Amplifier	00106	26235	CNR	CNR
Abbr.	CNR = Calibration Not Required				



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24.0 MEASUREMENT UNCERTAINTIES



UNCERTAINTY BUDGET FOR DEVICE EVALUATION (IEEE 1528-2013)									
Uncertainty Component	IEEE 1528 Section	Uncertainty Value ±%	Probability Distribution	Divisor	ci 1g	ci 10g	Uncertainty Value ±% (1g)	Uncertainty Value ±% (10g)	V _i or V _{eff}
Measurement System									
Probe Calibration (835 MHz)	E.2.1	6.0	Normal	1	1	1	6.0	6.0	∞
Axial Isotropy	E.2.2	4.7	Rectangular	1.732050808	0.7	0.7	1.9	1.9	∞
Hemispherical Isotropy	E.2.2	9.6	Rectangular	1.732050808	0.7	0.7	3.9	3.9	∞
Boundary Effect	E.2.3	1	Rectangular	1.732050808	1	1	0.6	0.6	∞
Linearity	E.2.4	4.7	Rectangular	1.732050808	1	1	2.7	2.7	∞
System Detection Limits	E.2.5	1	Rectangular	1.732050808	1	1	0.6	0.6	∞
Readout Electronics	E.2.6	0.3	Normal	1	1	1	0.3	0.3	∞
Response Time	E.2.7	0.8	Rectangular	1.732050808	1	1	0.5	0.5	∞
Integration Time	E.2.8	2.6	Rectangular	1.732050808	1	1	1.5	1.5	∞
RF Ambient Conditions	E.6.1	3	Rectangular	1.732050808	1	1	1.7	1.7	∞
Probe Positioner Mechanical Tolerance	E.6.2	0.4	Rectangular	1.732050808	1	1	0.2	0.2	∞
Probe Positioning wrt Phantom Shell	E.6.3	2.9	Rectangular	1.732050808	1	1	1.7	1.7	∞
Extrapolation, interpolation & integration algorithms for max. SAR evaluation	E.5	1	Rectangular	1.732050808	1	1	0.6	0.6	∞
Test Sample Related									
Test Sample Positioning	E.4.2	2.9	Normal	1	1	1	2.9	2.9	12
Device Holder Uncertainty	E.4.1	3.6	Normal	1	1	1	3.6	3.6	8
SAR Drift Measurement	6.6.2	5	Rectangular	1.732050808	1	1	2.9	2.9	∞
Phantom and Tissue Parameters									
Phantom Uncertainty	E.3.1	4	Rectangular	1.732050808	1	1	2.3	2.3	∞
Liquid Conductivity (target)	E.3.2	5	Rectangular	1.732050808	0.64	0.43	1.8	1.2	∞
Liquid Conductivity (measured)	E.3.3	6.56	Normal	1	0.64	0.43	4.2	2.8	∞
Liquid Permittivity (target)	E.3.2	5	Rectangular	1.732050808	0.6	0.49	1.7	1.4	∞
Liquid Permittivity (measured)	E.3.3	3.13	Normal	1	0.6	0.49	1.9	1.5	∞
Combined Standard Uncertainty			RSS				11.58	10.97	
Expanded Uncertainty (95% Confidence Interval)			k=2				23.16	21.94	
Measurement Uncertainty Table in accordance with IEEE Standard 1528-2013									
This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2									

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DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	
	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	


MEASUREMENT UNCERTAINTIES (CONT.)



UNCERTAINTY BUDGET FOR DEVICE EVALUATION (IEC 62209-2:2010)									
Source of Uncertainty	IEC 62209-2 Section	Tolerance / Uncertainty ±%	Probability Distribution	Divisor	ci 1g	ci 10g	Standard Uncertainty ±% (1g)	Standard Uncertainty ±% (10g)	V _i or V _{eff}
Measurement System									
Probe Calibration (835 MHz)	7.2.2.1	6.0	Normal	1	1	1	6.0	6.0	∞
Isotropy	7.2.2.2	4.7	Rectangular	1.732050808	1	1	2.7	2.7	∞
Boundary Effect	7.2.2.6	1	Rectangular	1.732050808	1	1	0.6	0.6	∞
Linearity	7.2.2.3	4.7	Rectangular	1.732050808	1	1	2.7	2.7	∞
Detection Limits	7.2.2.5	1	Rectangular	1.732050808	1	1	0.6	0.6	∞
Readout Electronics	7.2.2.7	0.3	Normal	1	1	1	0.3	0.3	∞
Response Time	7.2.2.8	0.8	Rectangular	1.732050808	1	1	0.5	0.5	∞
Integration Time	7.2.2.9	2.6	Rectangular	1.732050808	1	1	1.5	1.5	∞
RF Ambient Conditions	7.2.4.5	3	Rectangular	1.732050808	1	1	1.7	1.7	∞
Probe Positioner Mechanical Restrictions	7.2.3.1	0.4	Rectangular	1.732050808	1	1	0.2	0.2	∞
Probe Positioning wrt Phantom Shell	7.2.3.3	2.9	Rectangular	1.732050808	1	1	1.7	1.7	∞
Post-processing	7.2.5	1	Rectangular	1.732050808	1	1	0.6	0.6	∞
Test Sample Related									
Test Sample Positioning	7.2.3.4.3	2.9	Normal	1	1	1	2.9	2.9	12
Device Holder Uncertainty	7.2.3.4.2	3.6	Normal	1	1	1	3.6	3.6	8
Drift of Output Power (meas. SAR drift)	7.2.2.10	5	Rectangular	1.732050808	1	1	2.9	2.9	∞
Phantom and Tissue Parameters									
Phantom Uncertainty	7.2.3.2	4	Rectangular	1.732050808	1	1	2.3	2.3	∞
SAR Correction Algorithm for deviations in permittivity and conductivity	7.2.4.3	1.2	Normal	1	1	0.81	1.2	0.97	∞
Liquid Conductivity (measured)	7.2.4.3	6.56	Normal	1	0.78	0.71	5.1	4.7	∞
Liquid Permittivity (measured)	7.2.4.3	3.13	Normal	1	0.23	0.26	0.7	0.8	∞
Liquid Permittivity - temp. uncertainty	7.2.4.4	0.27	Rectangular	1.732050808	0.78	0.71	0.1	0.1	∞
Liquid Conductivity - temp. uncertainty	7.2.4.4	0.84	Rectangular	1.732050808	0.23	0.26	0.1	0.1	∞
Combined Standard Uncertainty	7.3.1		RSS				11.11	10.89	
Expanded Uncertainty (95% Confidence Interval)	7.3.2		k=2				22.21	21.77	
Measurement Uncertainty Table in accordance with International Standard IEC 62209-2:2010									
This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2									

	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	


25.0 REFERENCES



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- [12] Schmid & Partner Engineering AG - DASY4 Manual V4.6, Chapter 17 Application Note, Body Tissue Recipe: Sept. 2005.
- [13] ISO/IEC 17025 - "General requirements for the competence of testing and calibration laboratories (ISO/IEC 17025:2005)."
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- [15] Industry Canada - "General Requirements and Information for the Certification of Radiocommunication Equipment", Radio Standards Specification RSS-Gen Issue 4: November 2014.
- [16] Federal Communications Commission, Office of Engineering and Technology - "SAR Evaluation Considerations for Handsets with Multiple Transmitters and Antennas", KDB 648474 D01v01r01: Sept. 2008.
- [17] Schmid & Partner Engineering AG - DASY4 Manual V4.6, Chapter 22 Application Note, SAR Sensitivities: Sept. 2005.

Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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APPENDIX A - SAR MEASUREMENT PLOTS

Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

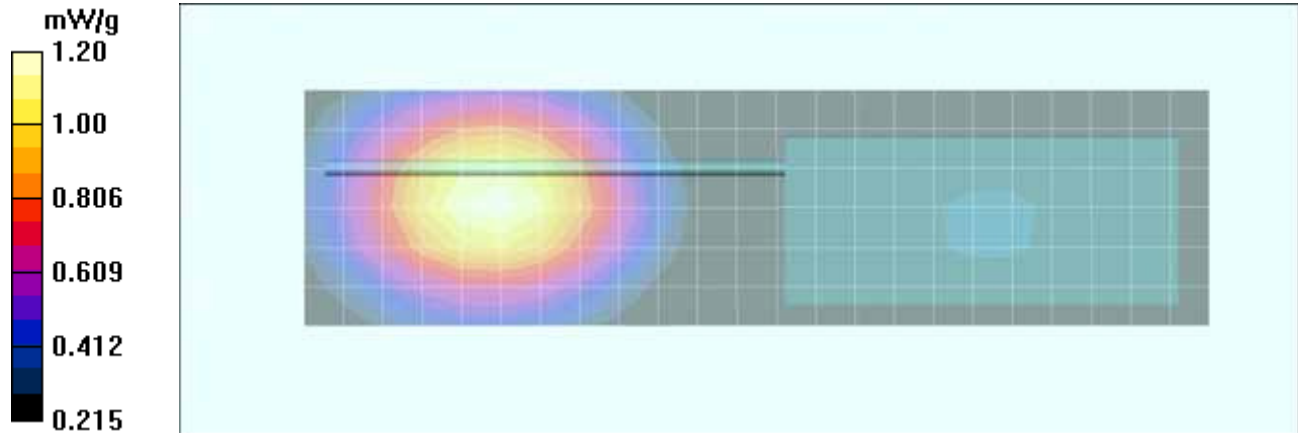
Reference Value = 10.4 V/m; Power Drift = -0.272 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: 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) = 1.24 mW/g

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

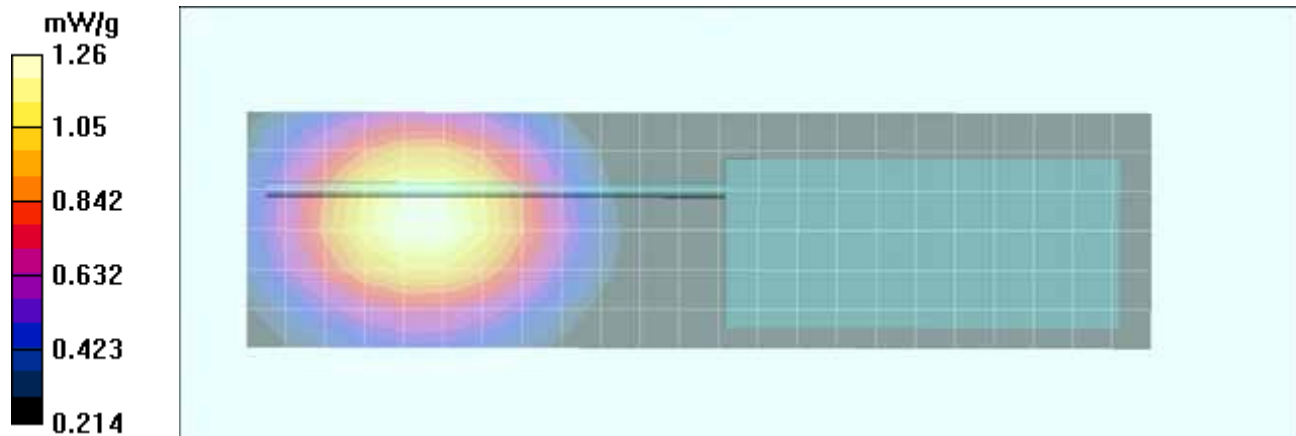
Reference Value = 9.15 V/m; Power Drift = -0.463 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

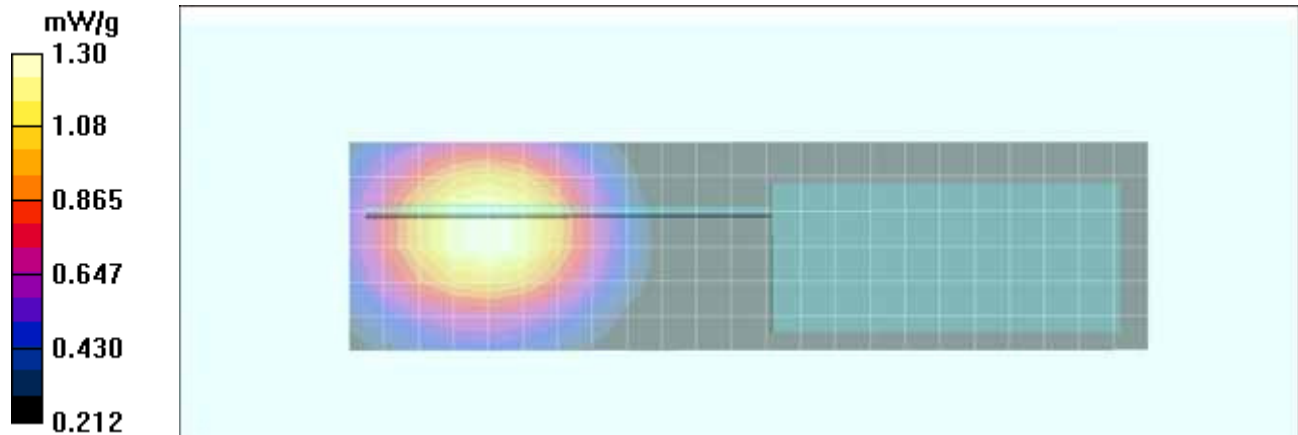
Reference Value = 5.75 V/m; Power Drift = -0.620 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: 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) = 0.794 mW/g

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

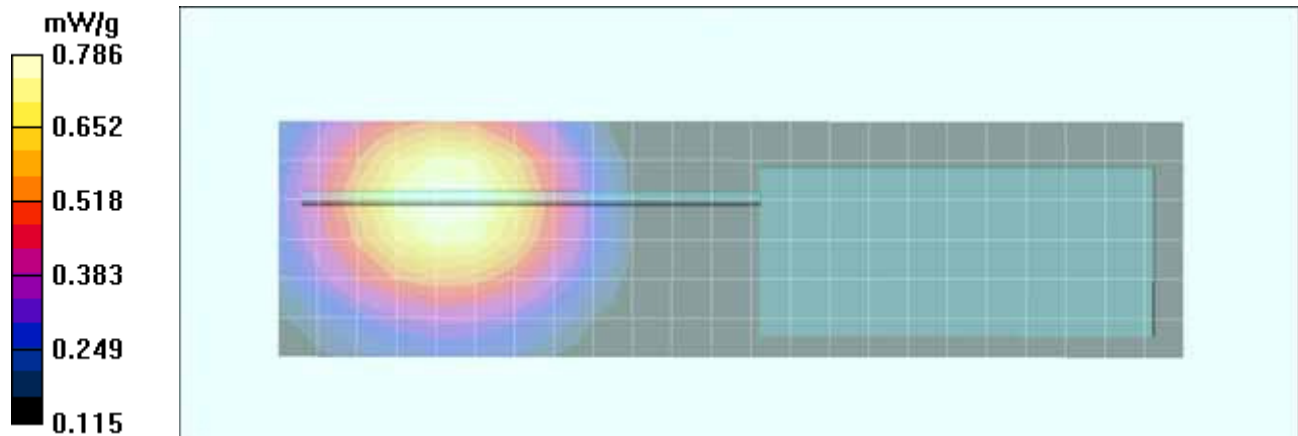
Reference Value = 6.08 V/m; Power Drift = -0.304 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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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

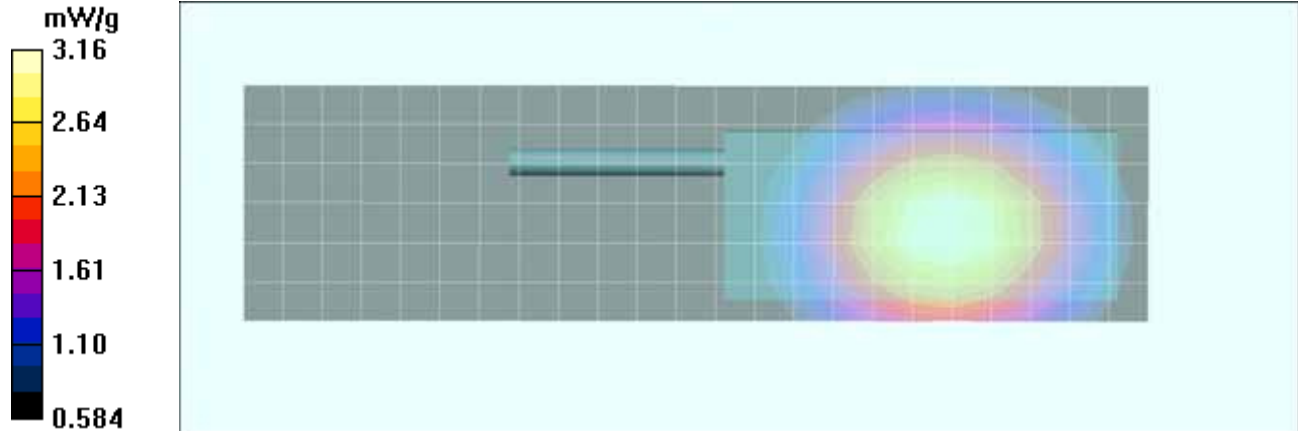
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

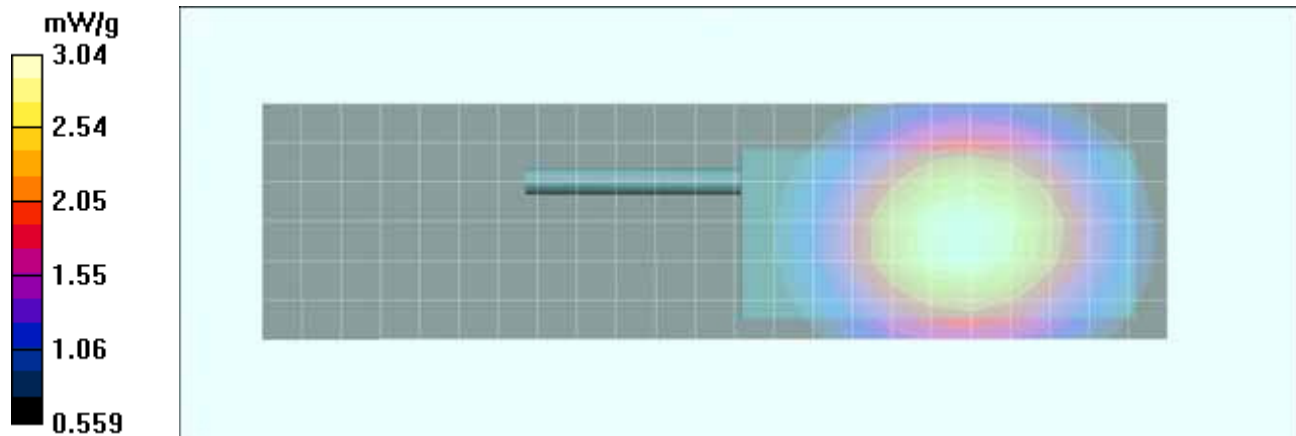
Reference Value = 27.2 V/m; Power Drift = -0.079 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

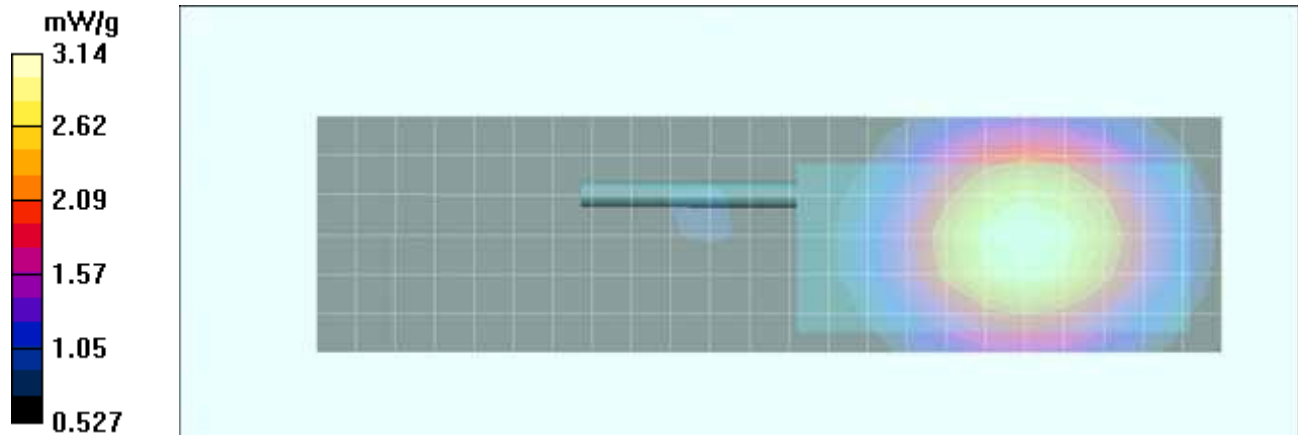
Reference Value = 26.9 V/m; Power Drift = -0.155 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

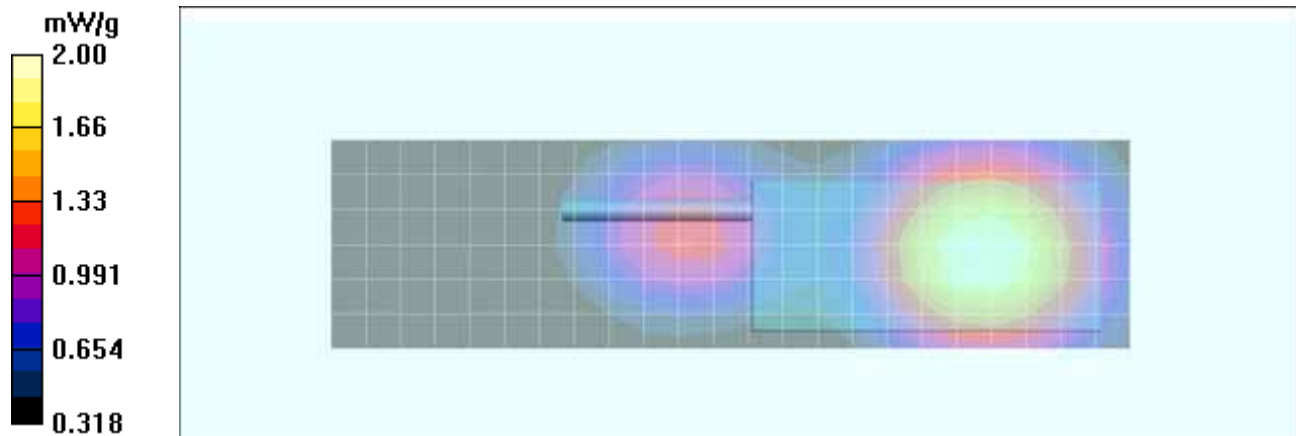
Reference Value = 32.7 V/m; Power Drift = -0.330 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

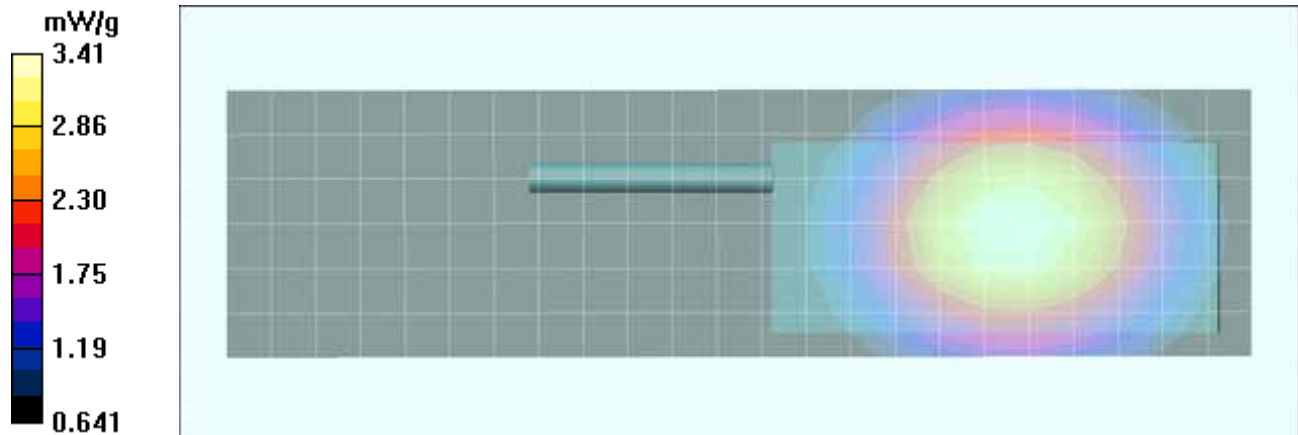
Reference Value = 28.0 V/m; Power Drift = -0.168 dB


Peak SAR (extrapolated) = 3.99 W/kg

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

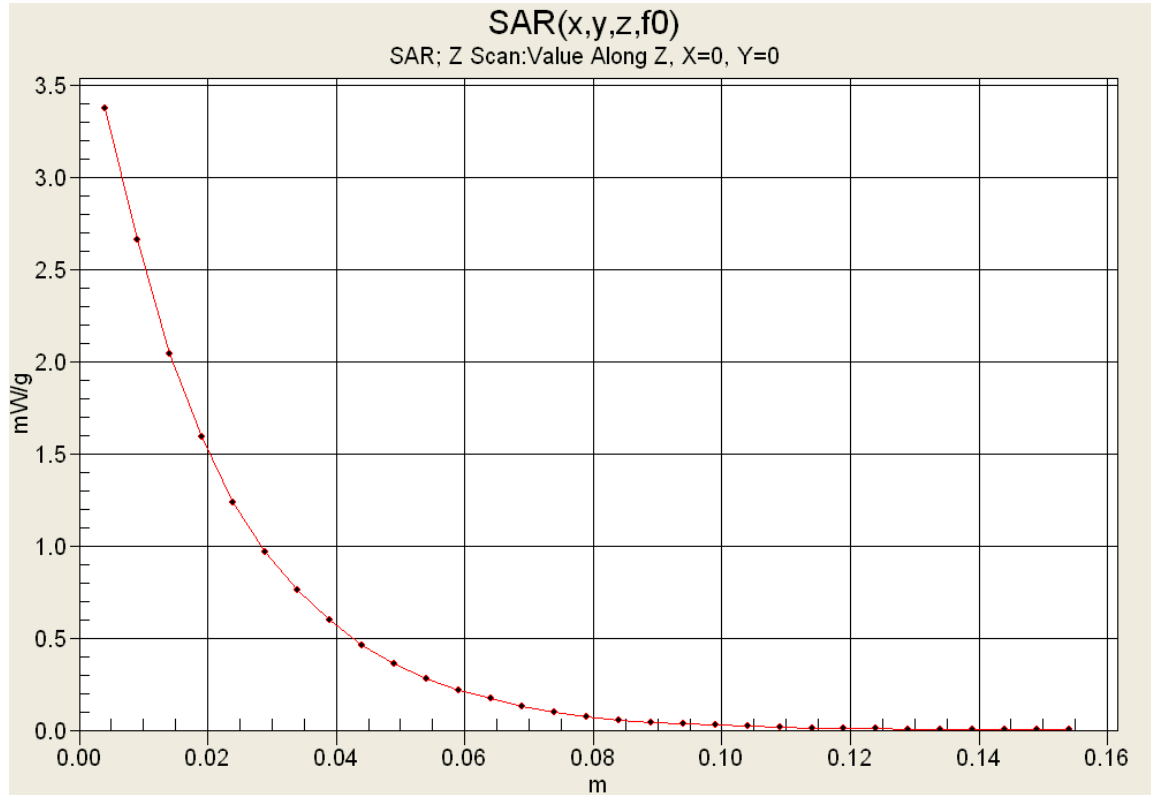
Info: Interpolated medium parameters used for SAR evaluation.



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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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Z-Axis Scan



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	<u>Test Report Issue Date</u> August 10, 2016	<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: 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) = 3.10 mW/g

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

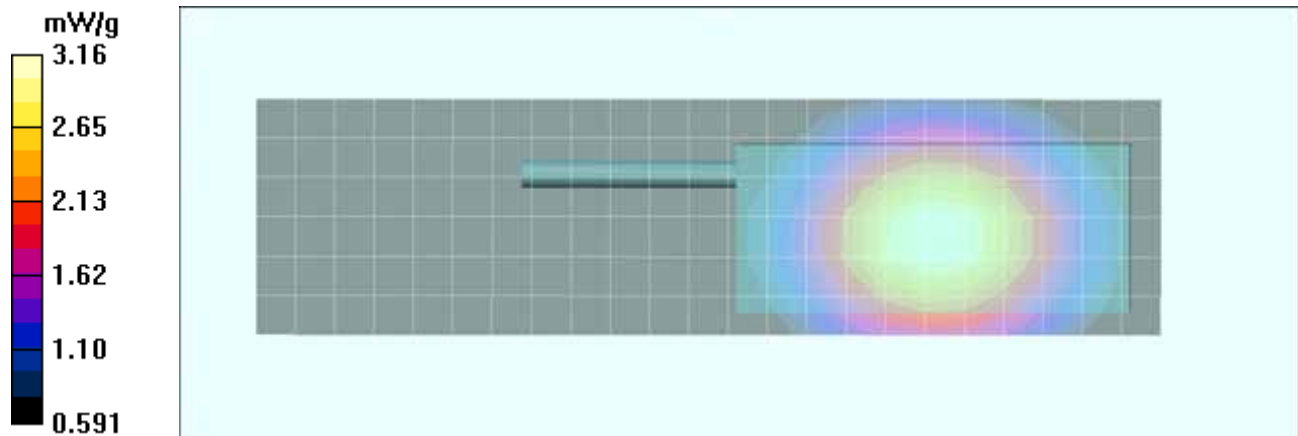
Reference Value = 29.7 V/m; Power Drift = -0.151 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

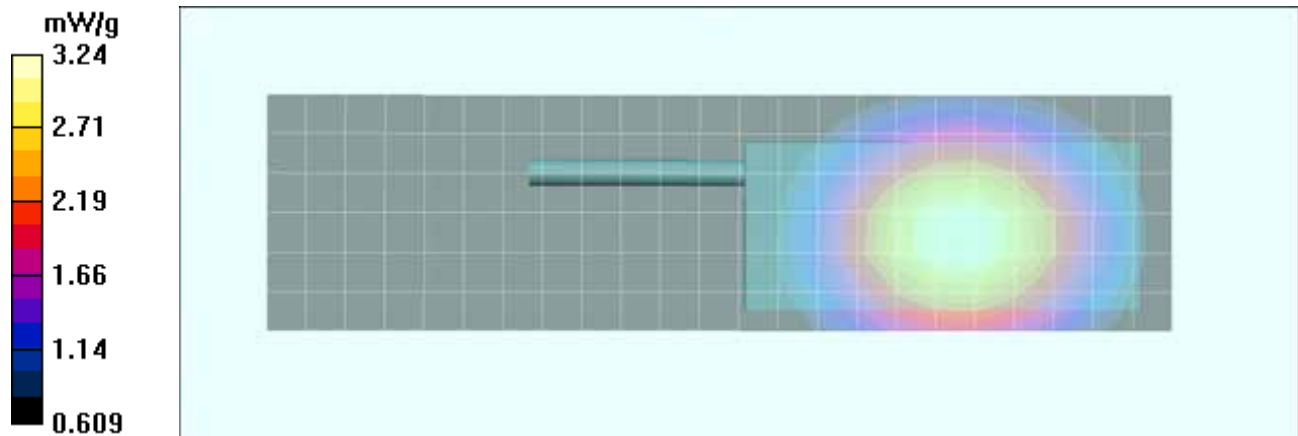
Reference Value = 27.1 V/m; Power Drift = -0.190 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

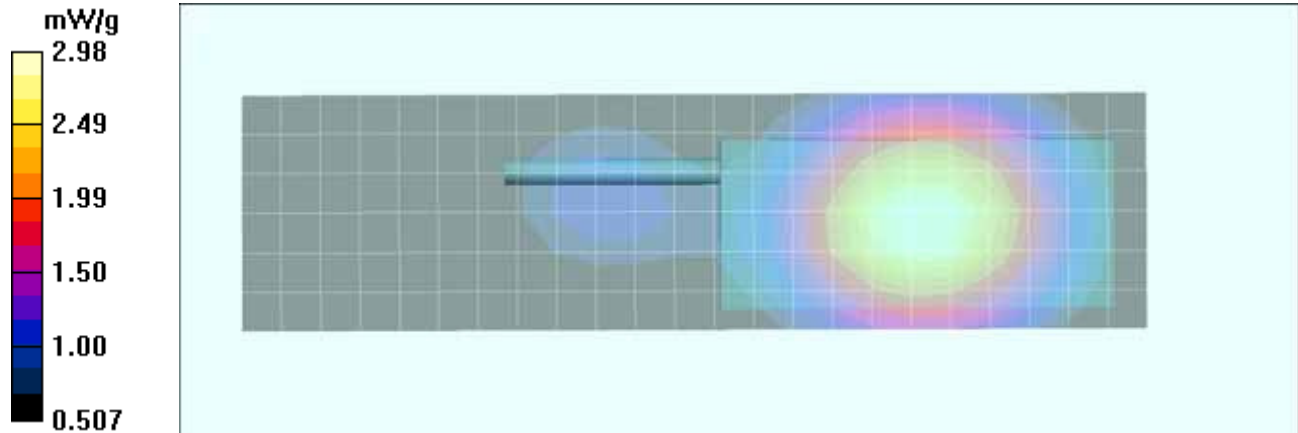
Reference Value = 31.1 V/m; Power Drift = -0.283 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

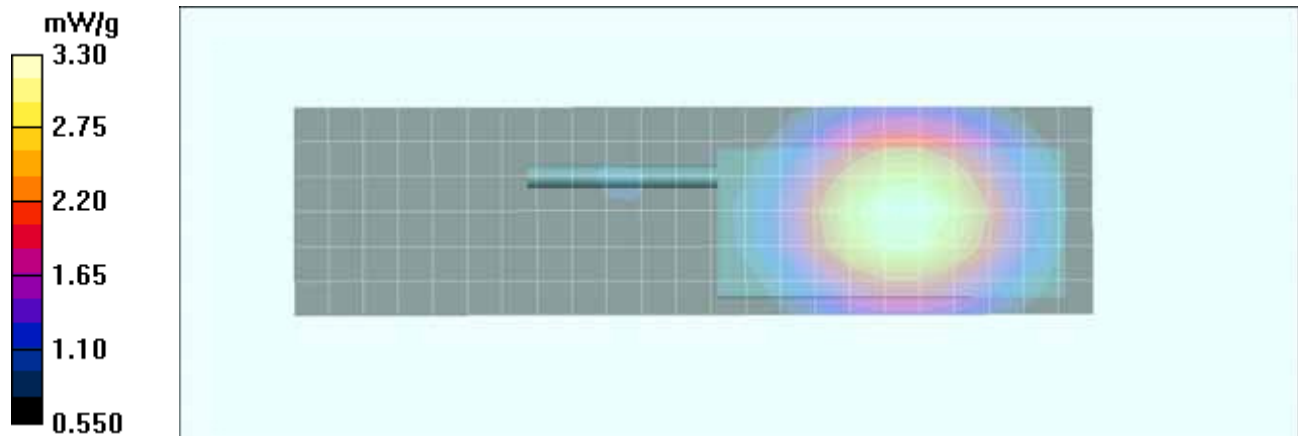
Reference Value = 28.2 V/m; Power Drift = -0.139 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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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: 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) = 3.32 mW/g

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

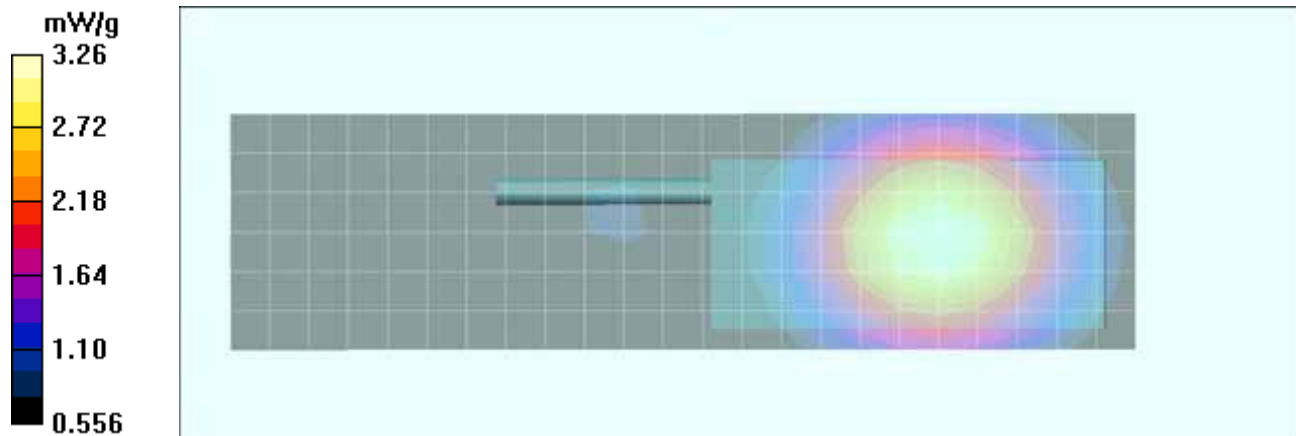
Reference Value = 27.7 V/m; Power Drift = -0.148 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

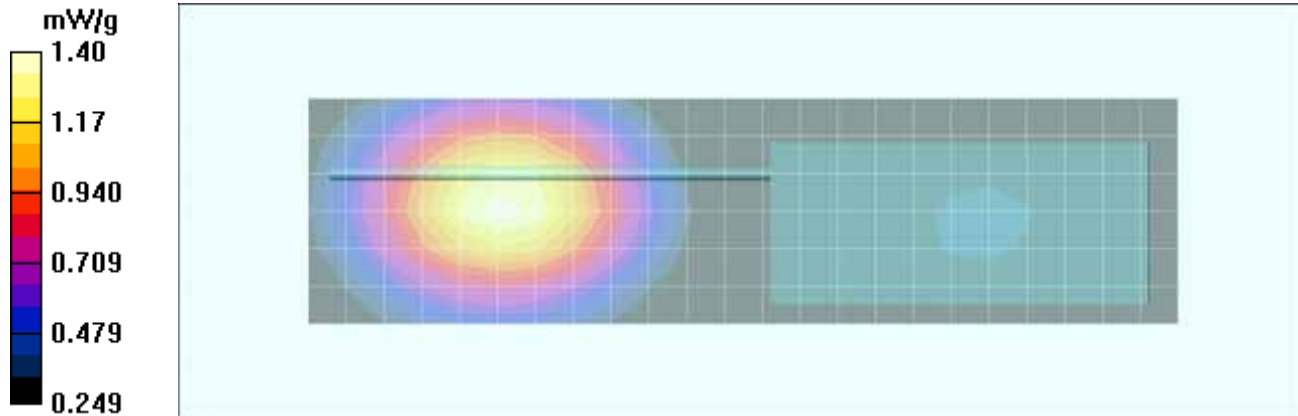
Reference Value = 11.1 V/m; Power Drift = -0.244 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

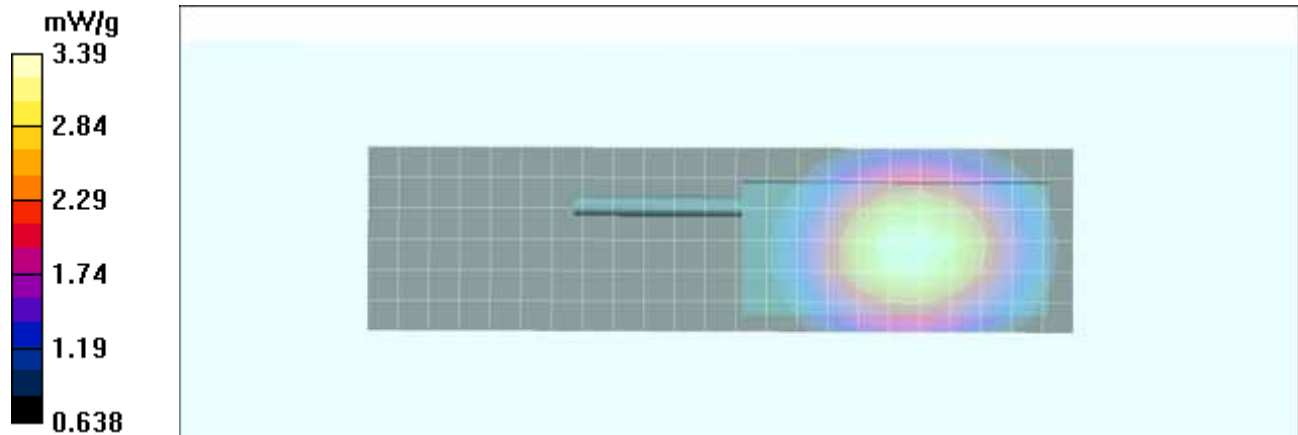
Reference Value = 27.8 V/m; Power Drift = -0.003 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

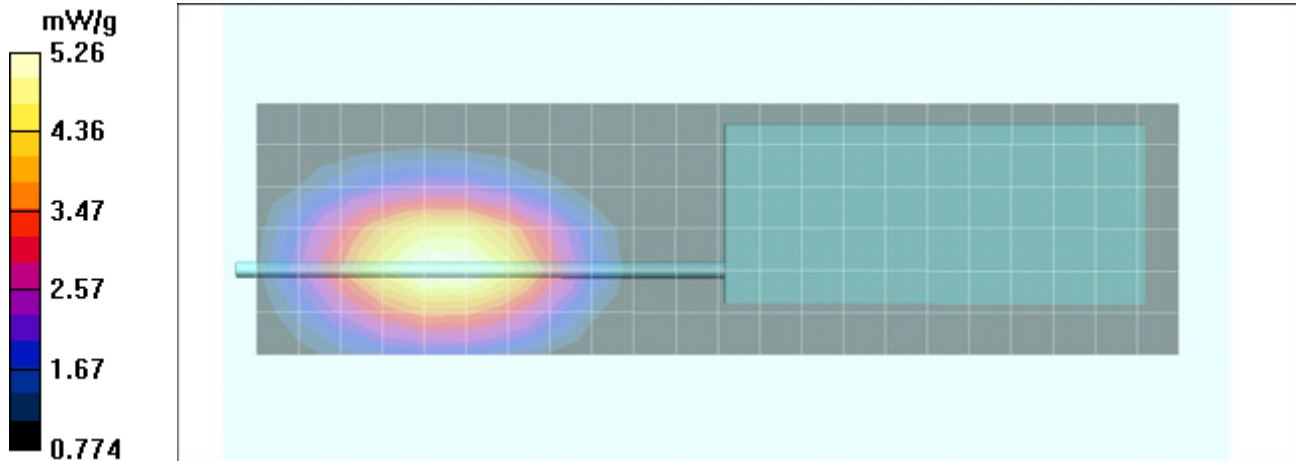
Reference Value = 13.7 V/m; Power Drift = -0.164 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

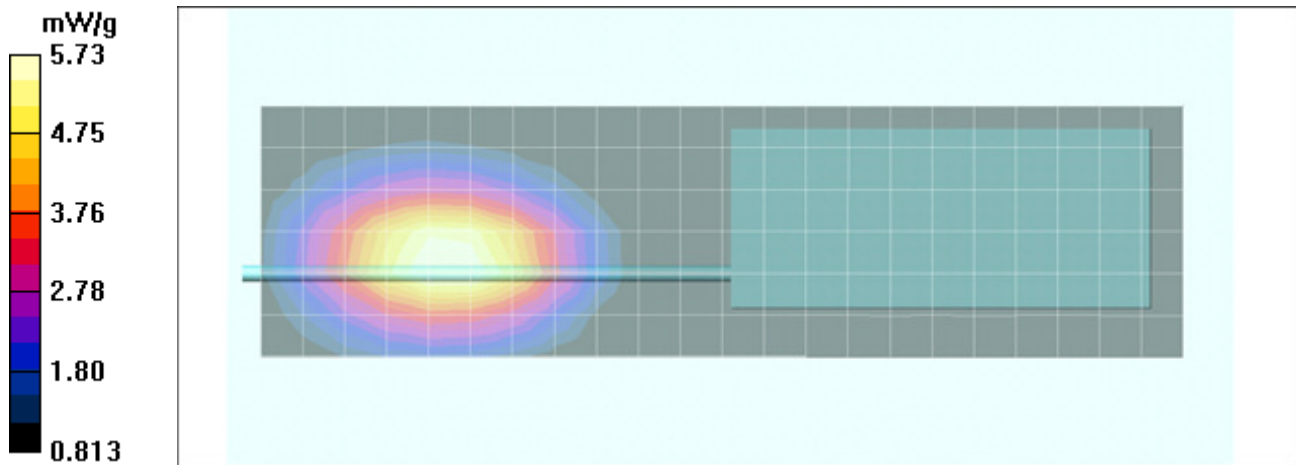
Reference Value = 15.2 V/m; Power Drift = -0.003 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

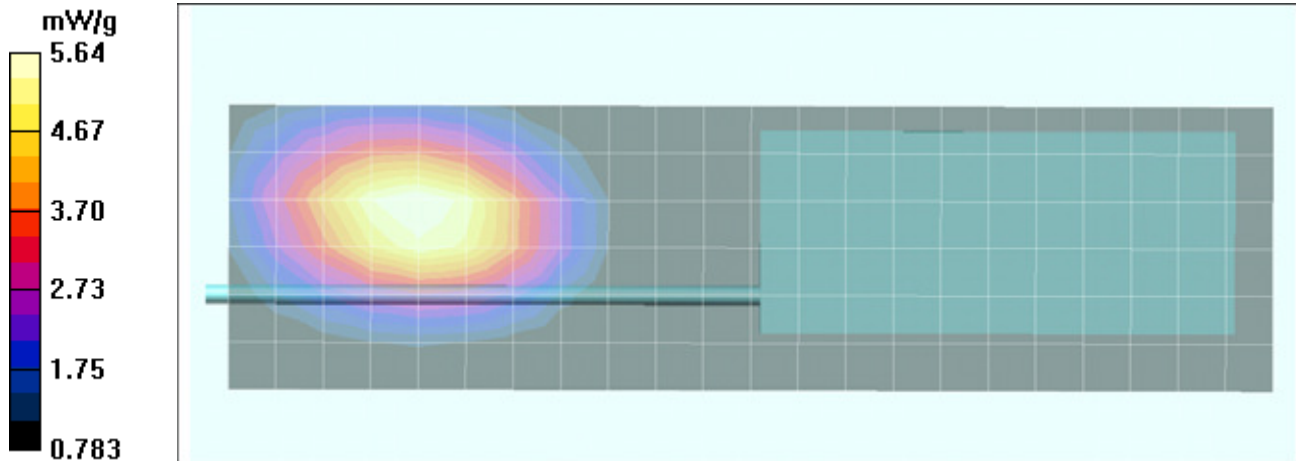
Reference Value = 18.9 V/m; Power Drift = 0.032 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: 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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

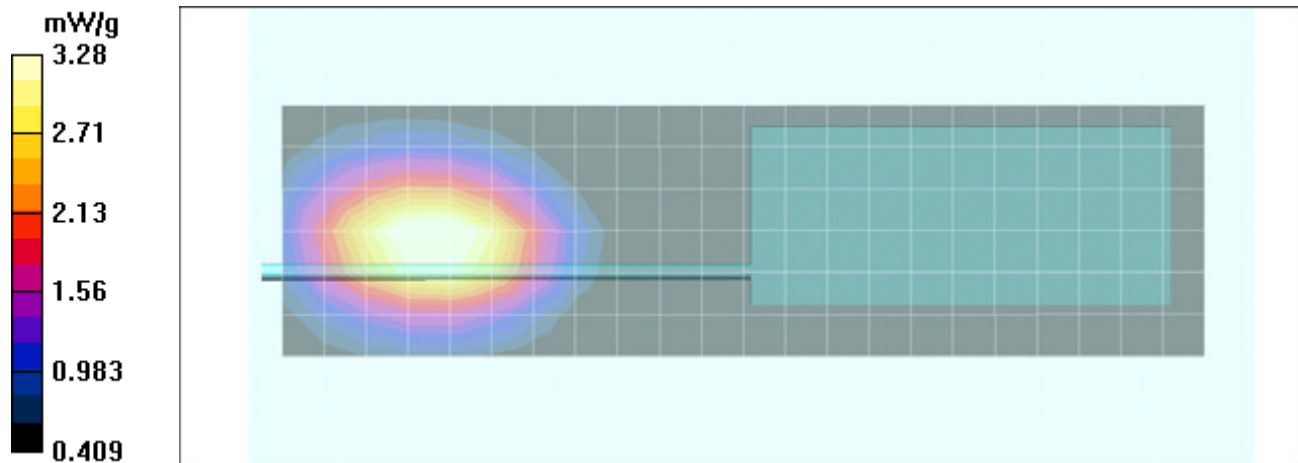
Reference Value = 22.6 V/m; Power Drift = -0.286 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

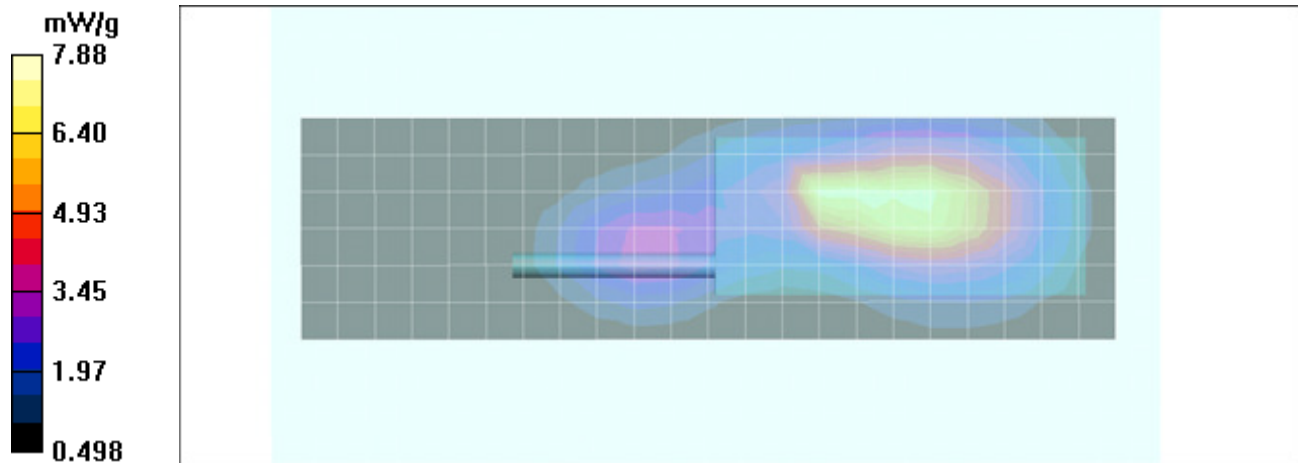
Reference Value = 55.2 V/m; Power Drift = -0.163 dB


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.

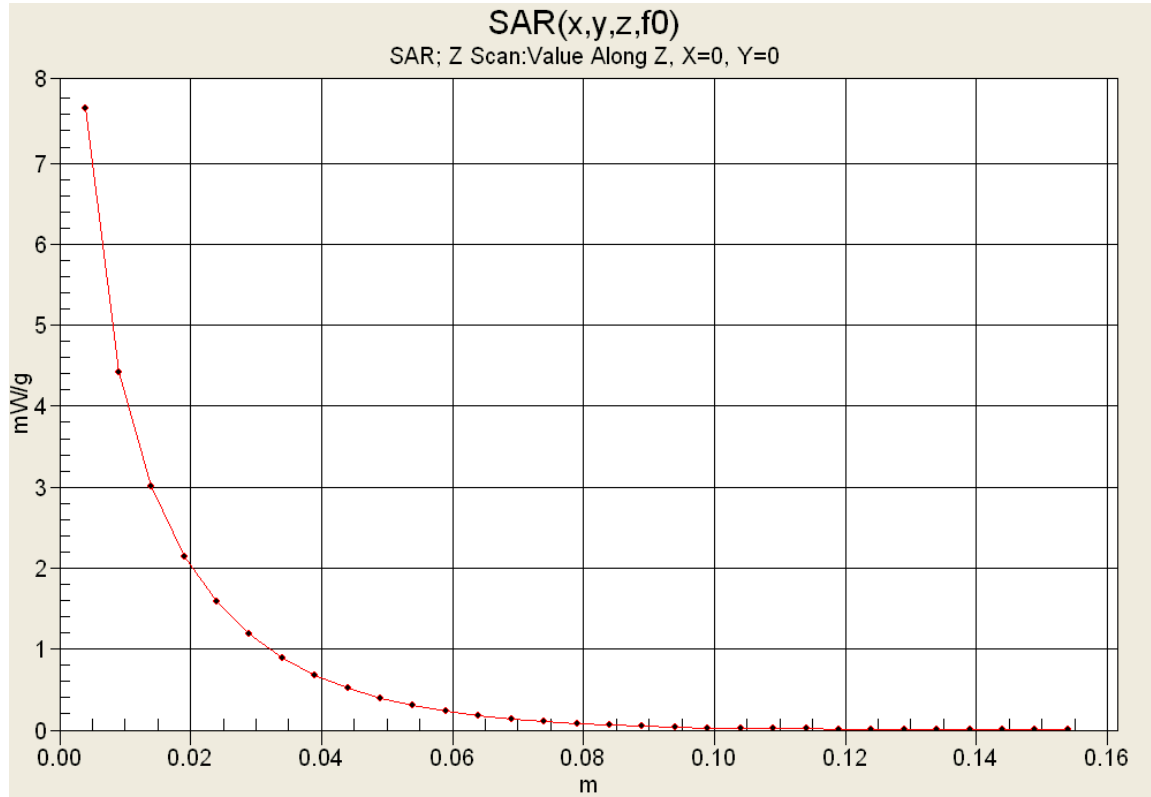
Maximum value of SAR (measured) = 7.88 mW/g






Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

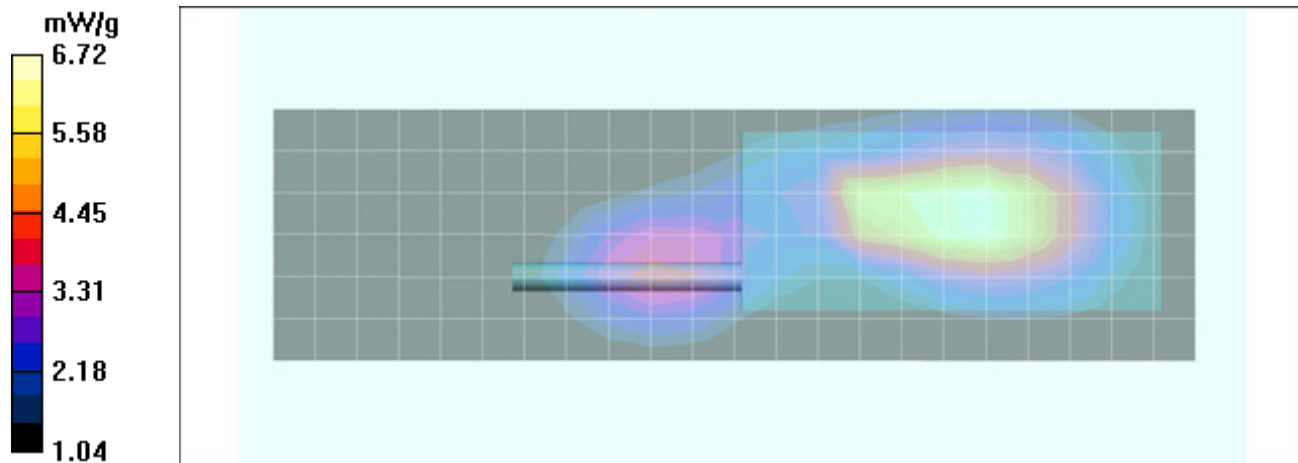
Reference Value = 55.1 V/m; Power Drift = -0.289 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: 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) = 5.49 mW/g

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

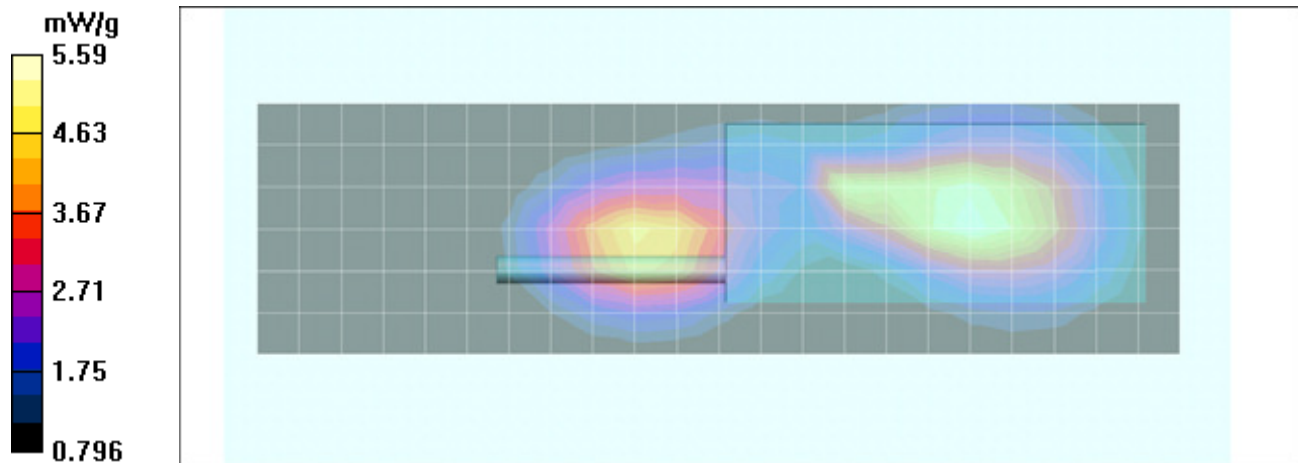
Reference Value = 57.7 V/m; Power Drift = -0.149 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

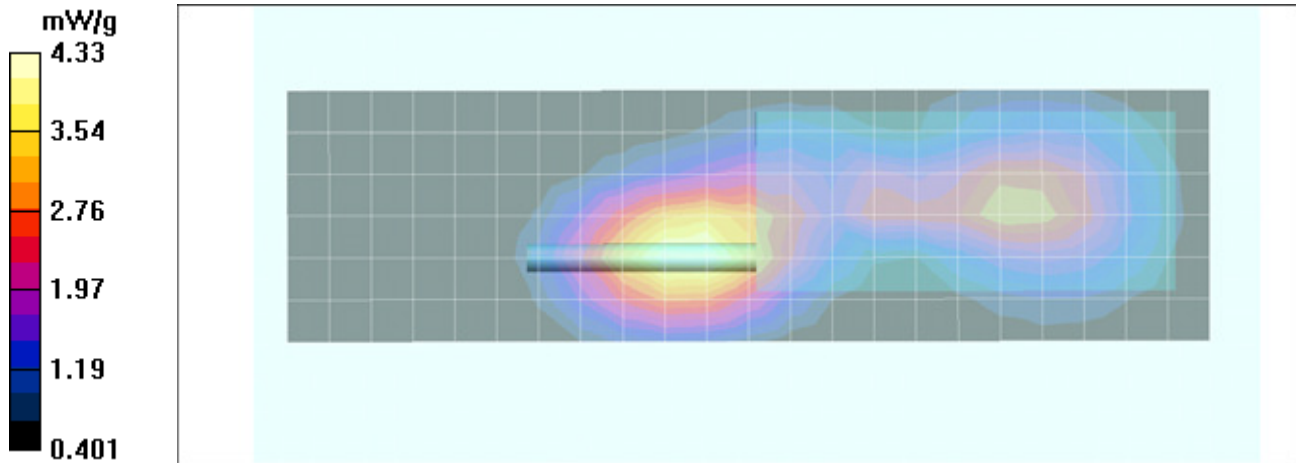
Reference Value = 53.7 V/m; Power Drift = -0.273 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

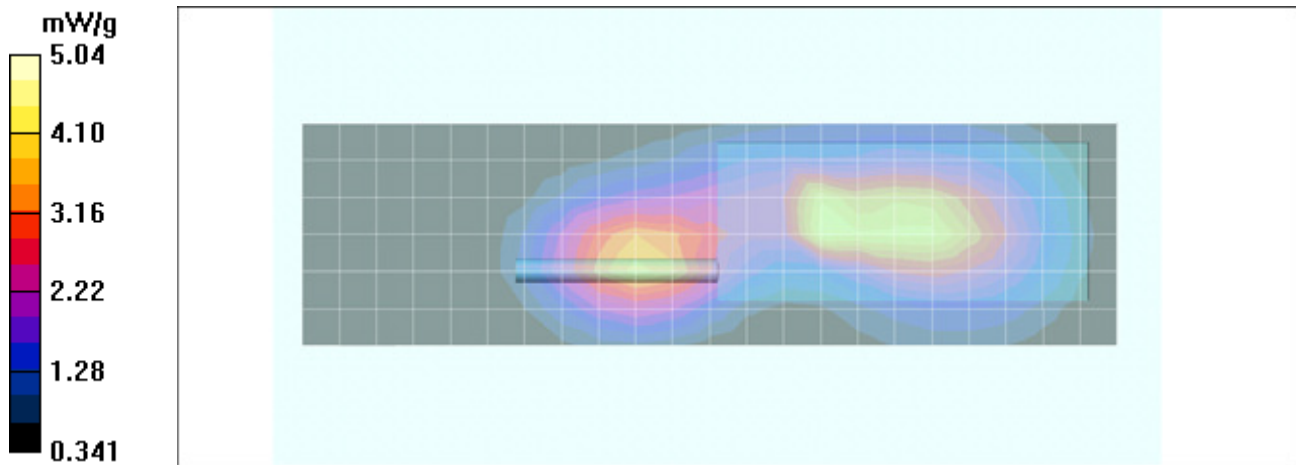
Reference Value = 54.1 V/m; Power Drift = -0.119 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

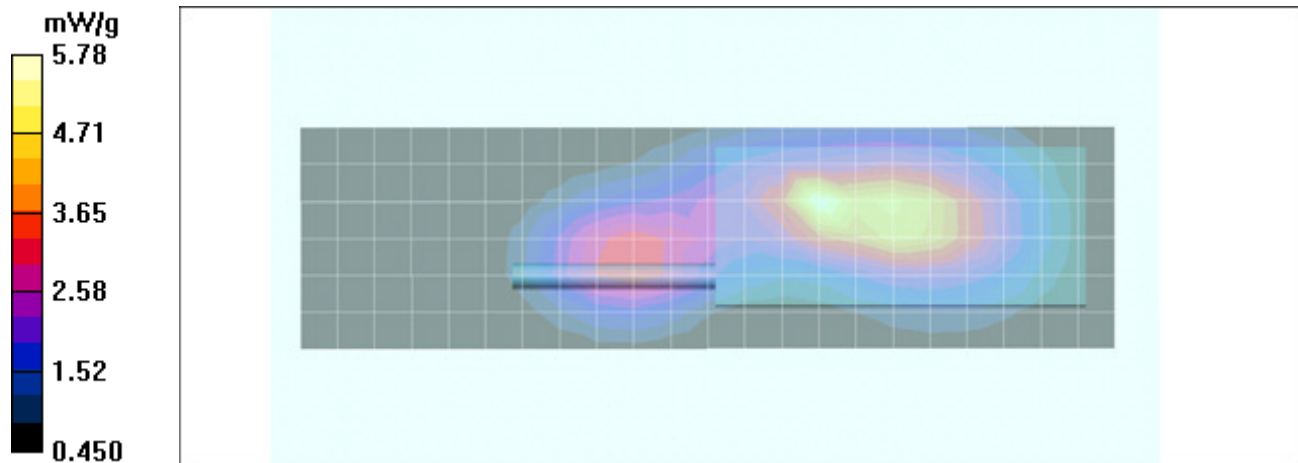
Reference Value = 53.6 V/m; Power Drift = -0.196 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

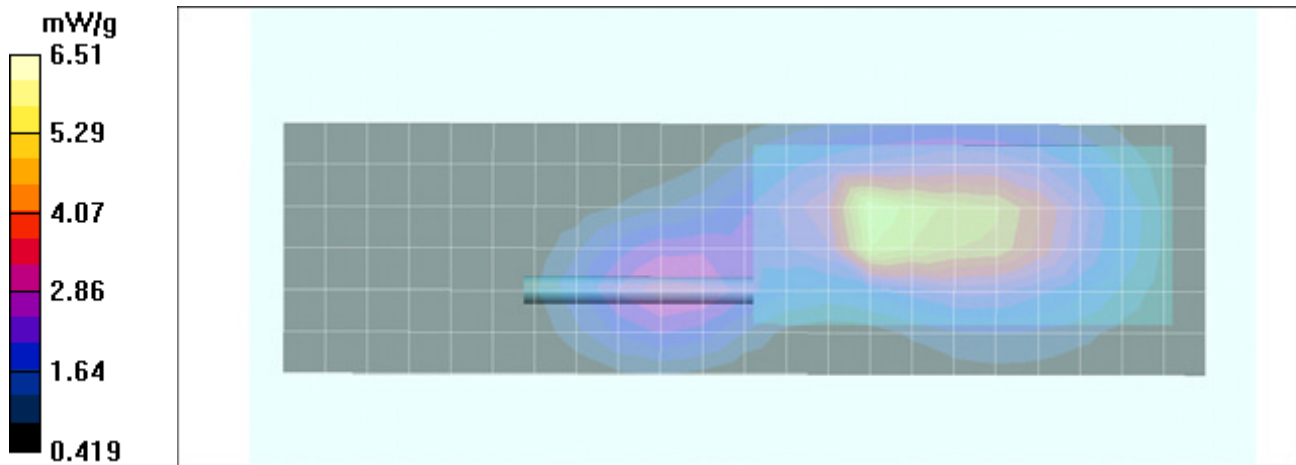
Reference Value = 51.0 V/m; Power Drift = -0.154 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	
	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

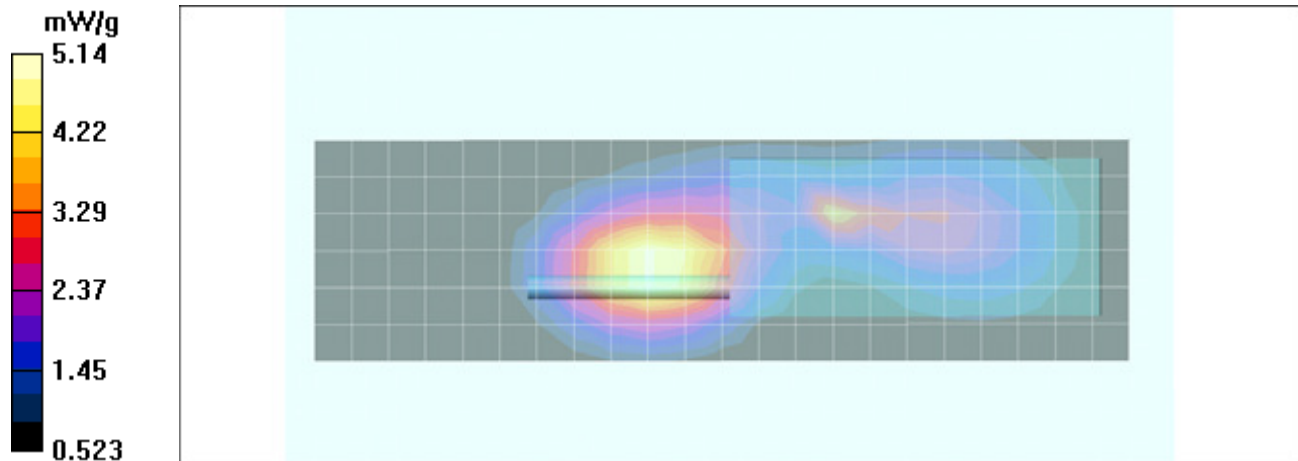
Reference Value = 57.7 V/m; Power Drift = -0.195 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

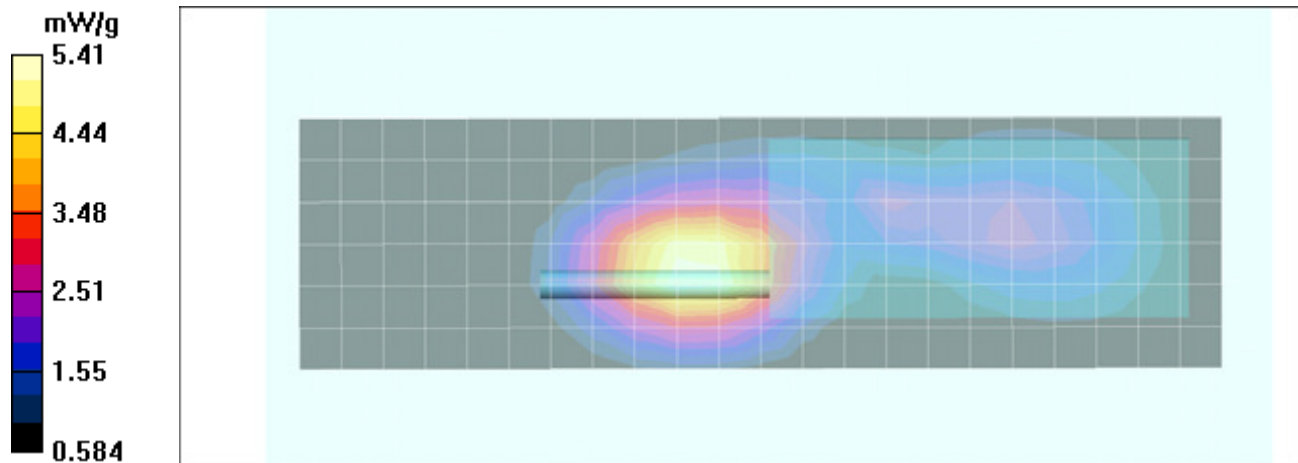
Reference Value = 57.0 V/m; Power Drift = 0.276 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

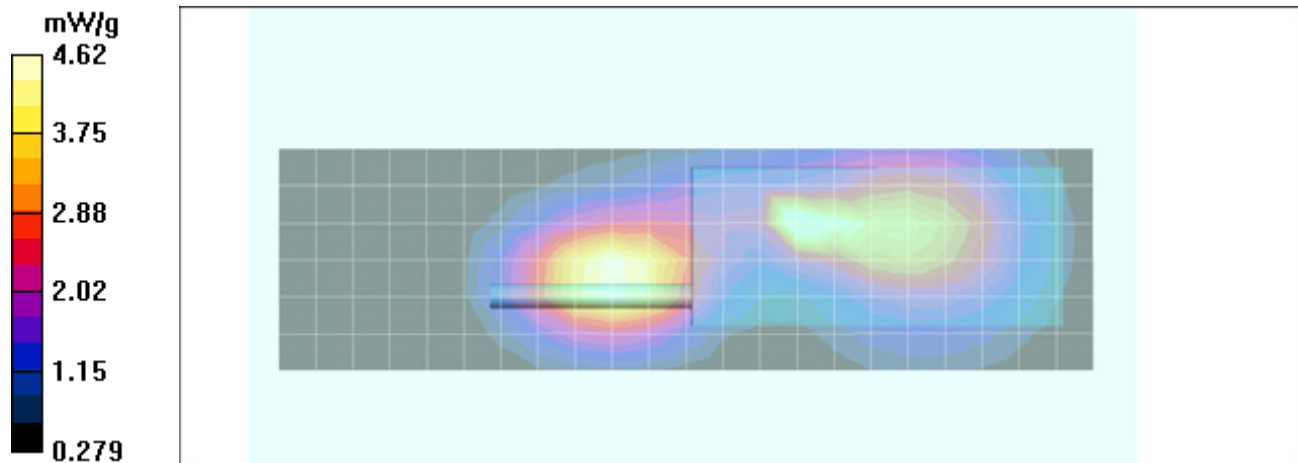
Reference Value = 54.2 V/m; Power Drift = -0.325 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

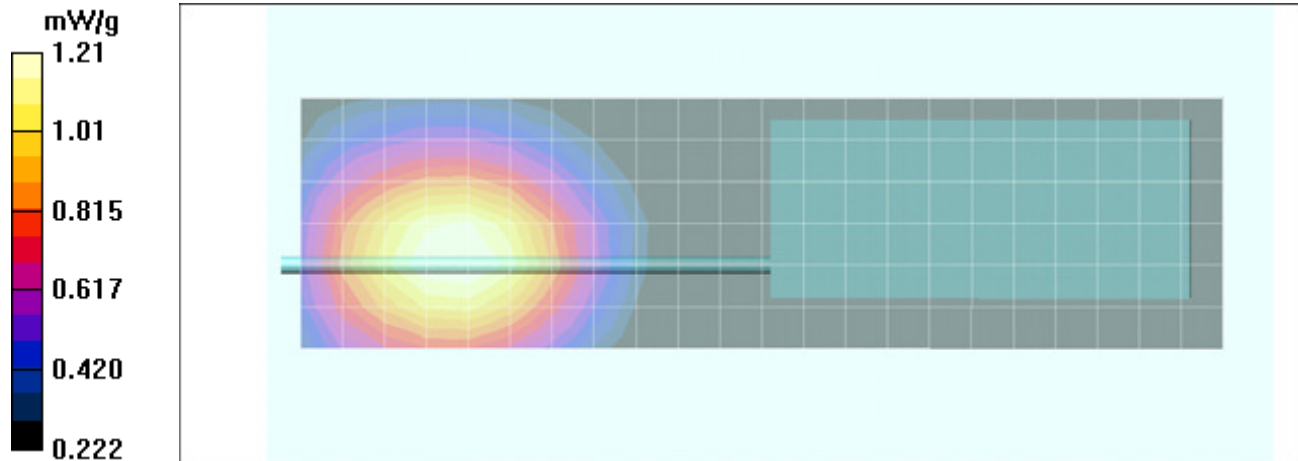
Reference Value = 8.42 V/m; Power Drift = -0.311 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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: 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) = 1.13 mW/g

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

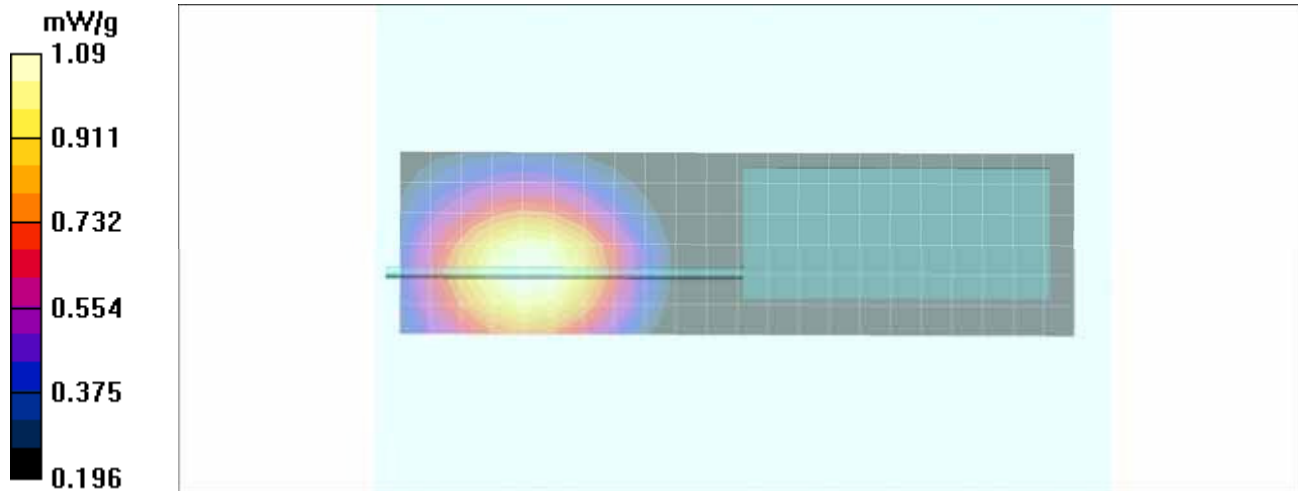
Reference Value = 7.83 V/m; Power Drift = -0.280 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

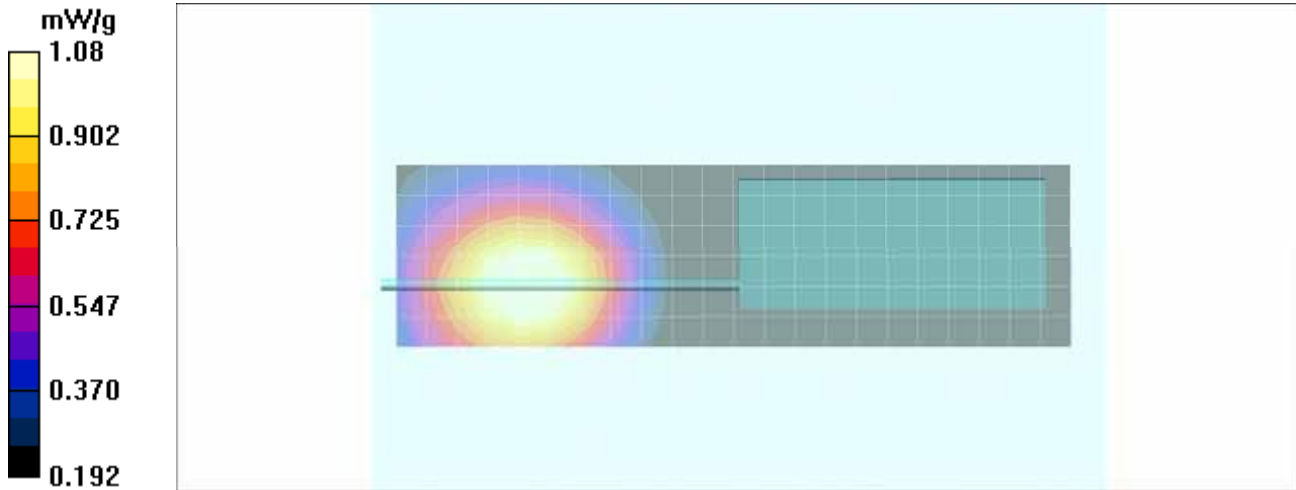
Reference Value = 8.72 V/m; Power Drift = -0.403 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

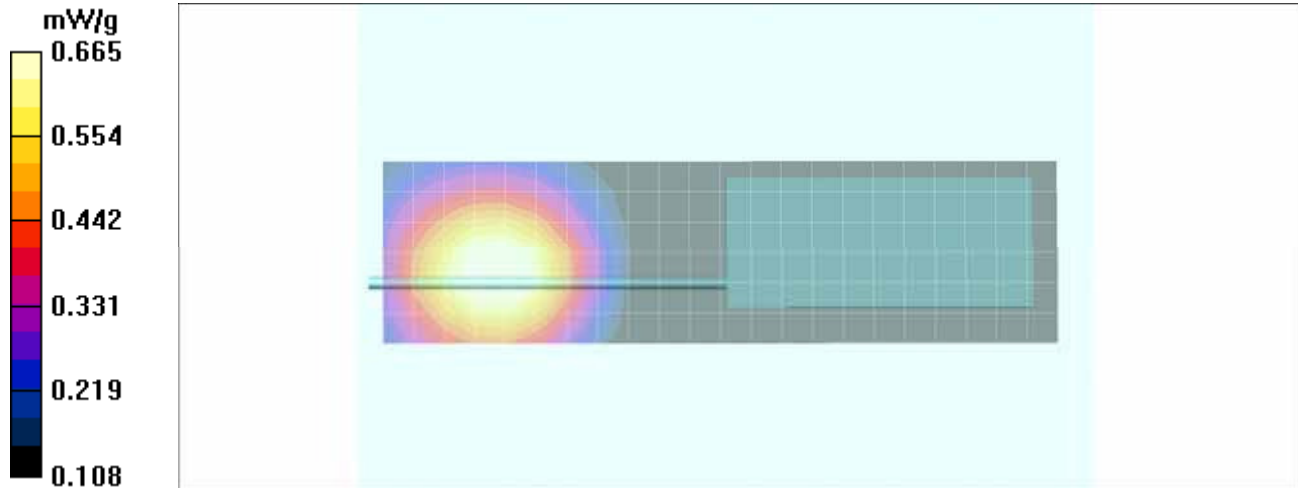
Reference Value = 7.79 V/m; Power Drift = -0.445 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

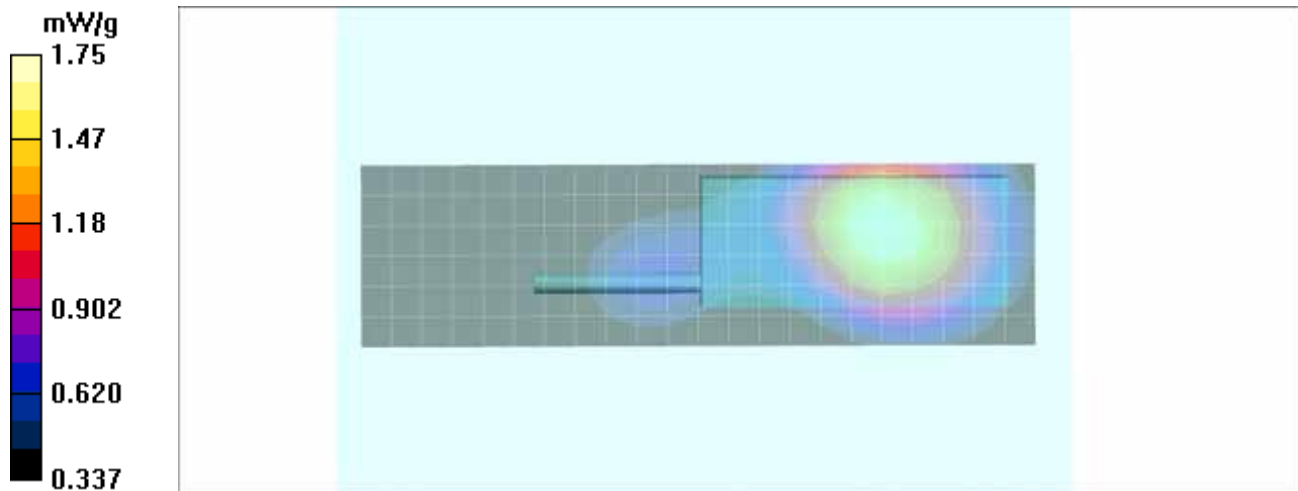
Reference Value = 26.0 V/m; Power Drift = -0.127 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

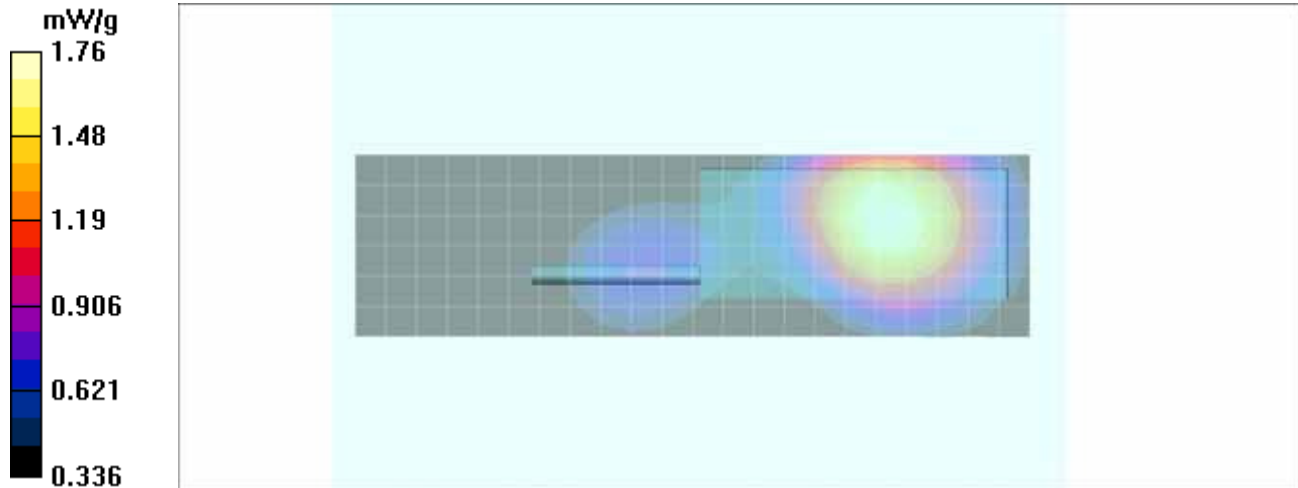
Reference Value = 25.4 V/m; Power Drift = -0.262 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

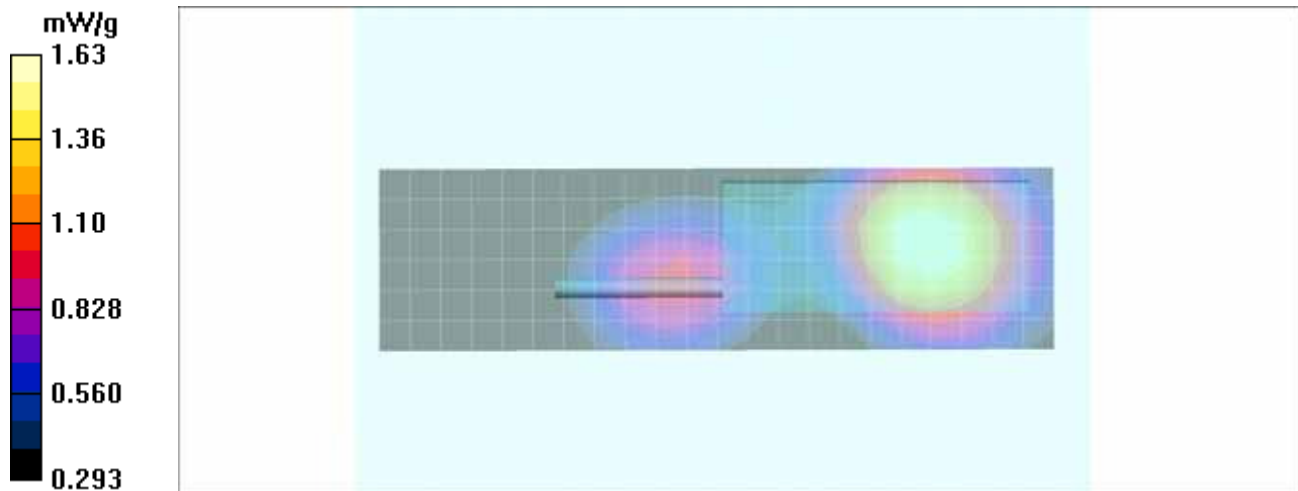
Reference Value = 28.8 V/m; Power Drift = -0.274 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

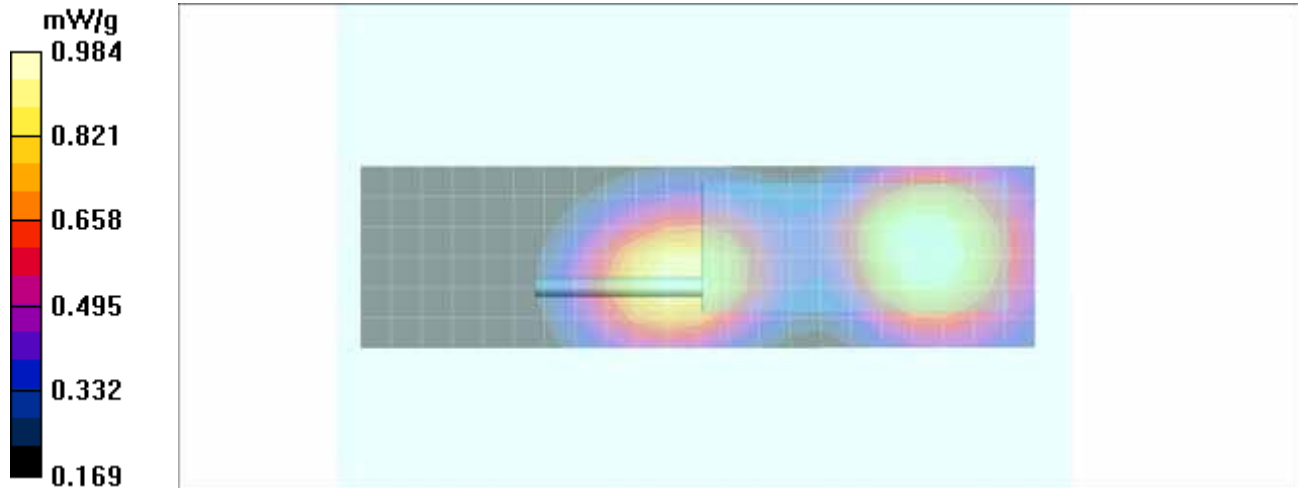
Reference Value = 30.0 V/m; Power Drift = -0.418 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

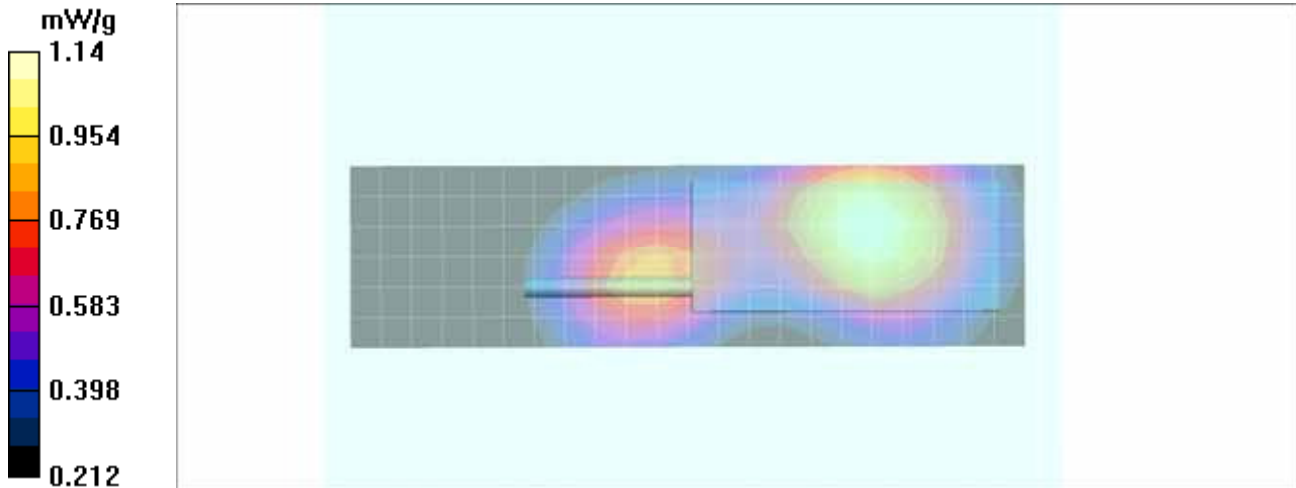
Reference Value = 28.1 V/m; Power Drift = -0.067 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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

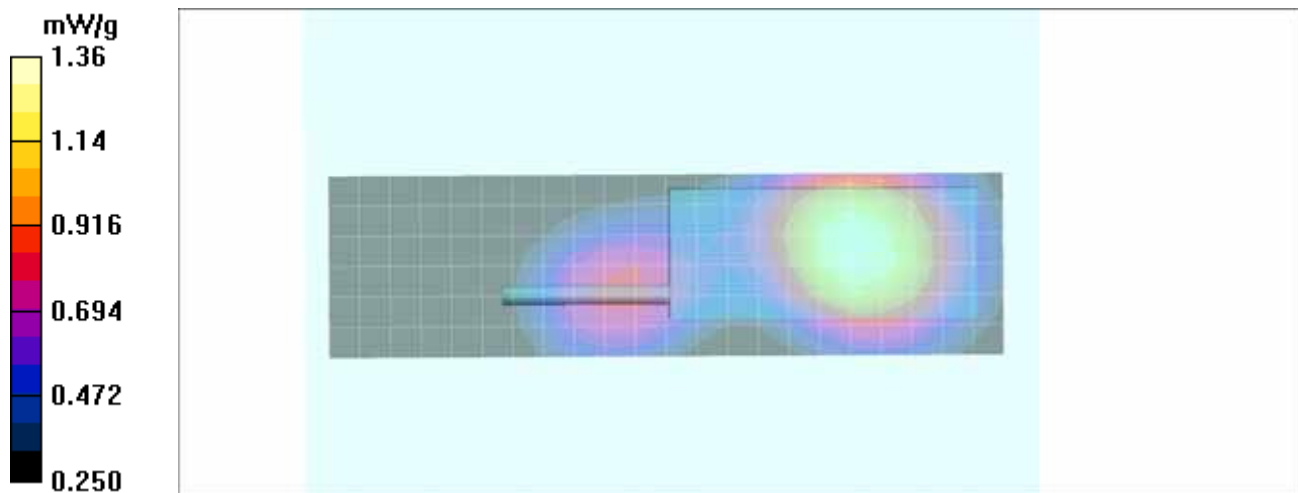
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

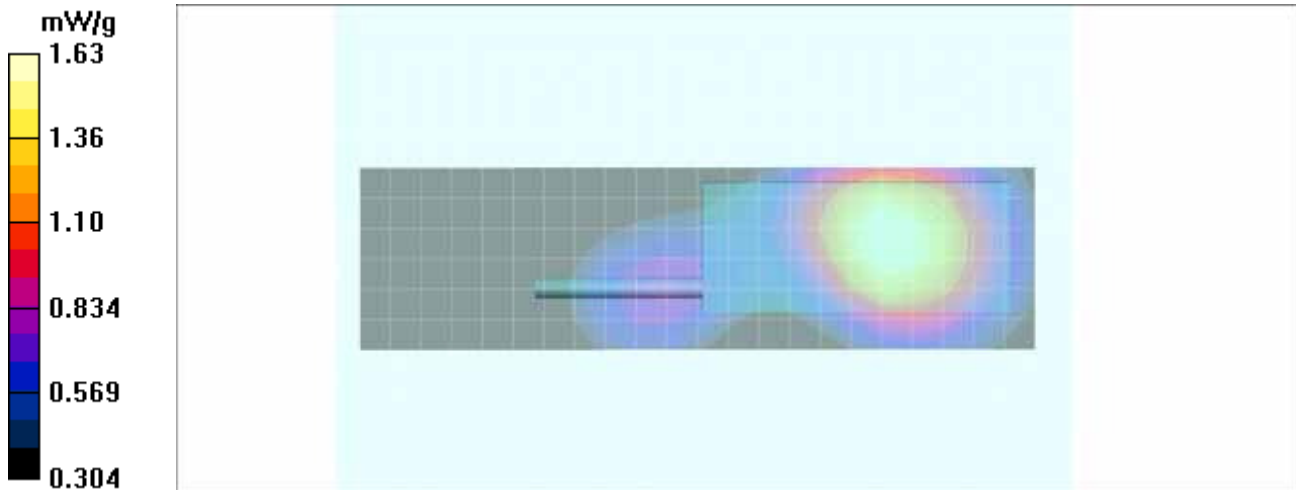
Reference Value = 26.1 V/m; Power Drift = -0.346 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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: 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) = 1.11 mW/g

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

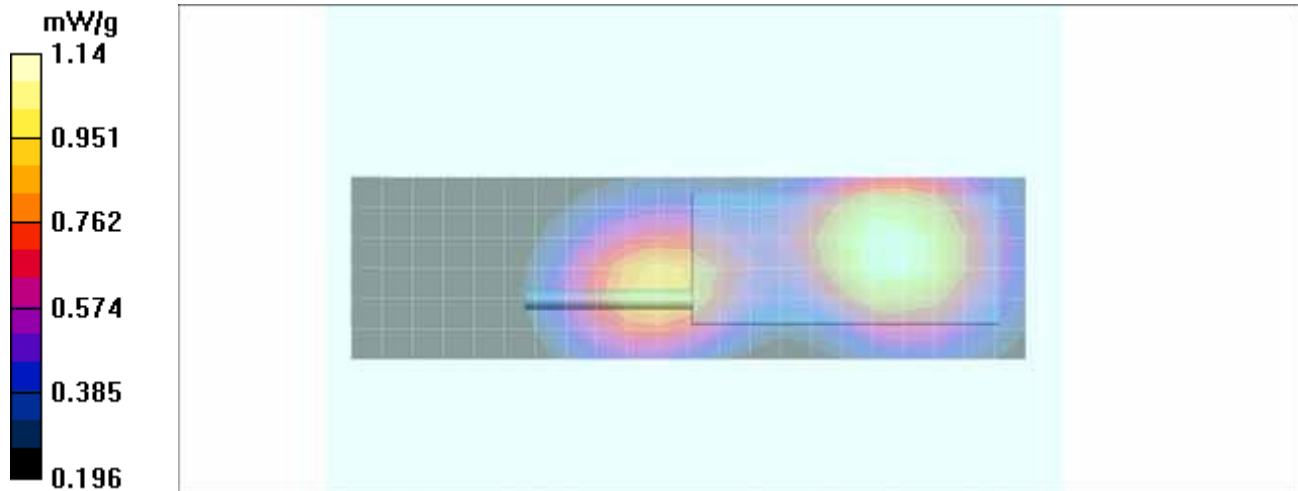
Reference Value = 30.1 V/m; Power Drift = -0.226 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

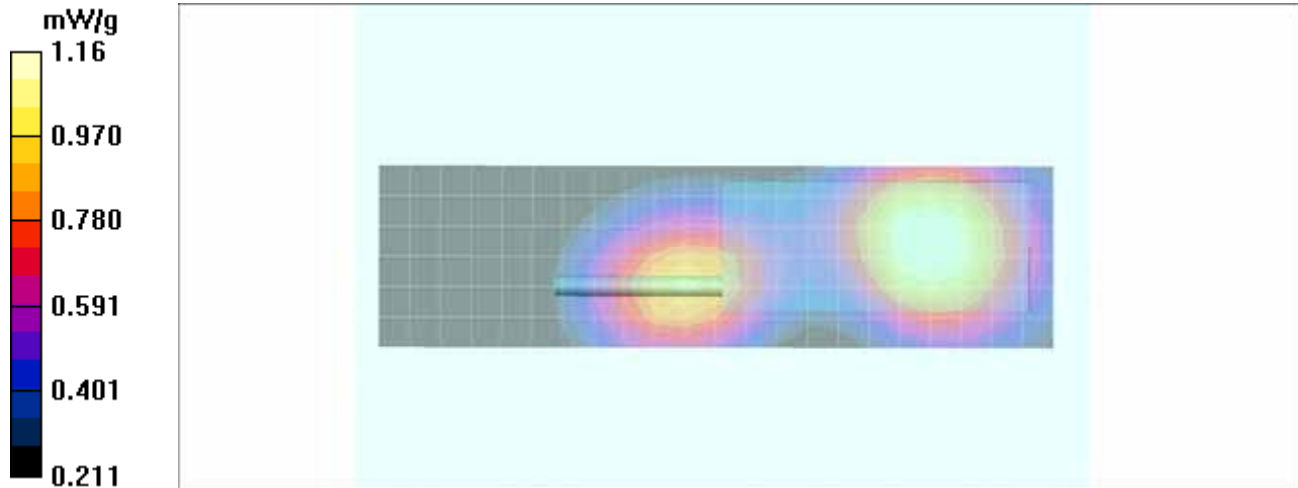
Reference Value = 29.3 V/m; Power Drift = -0.225 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

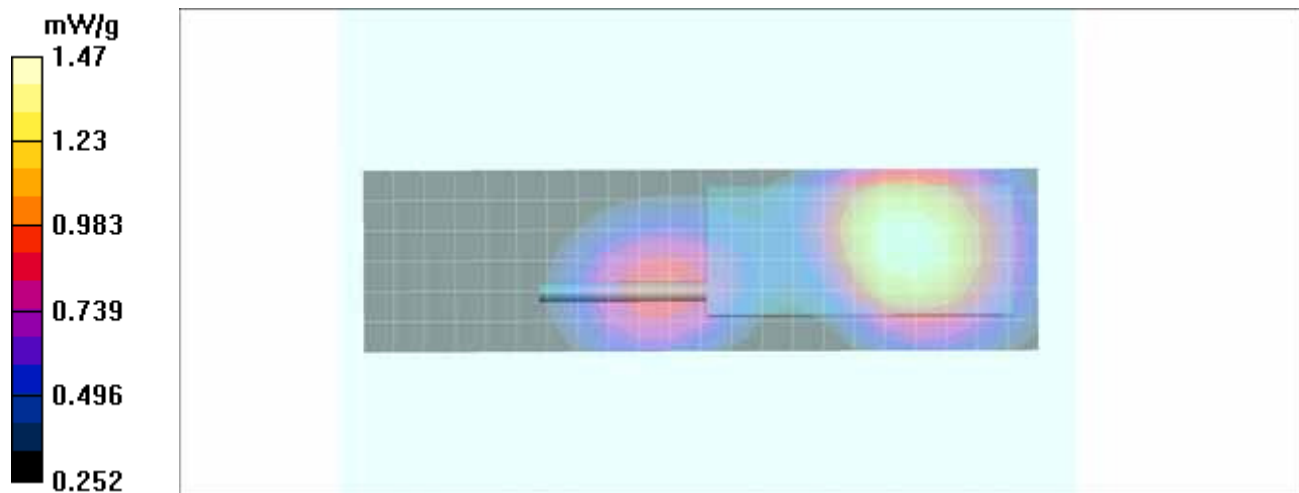
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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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: 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) = 0.763 mW/g

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

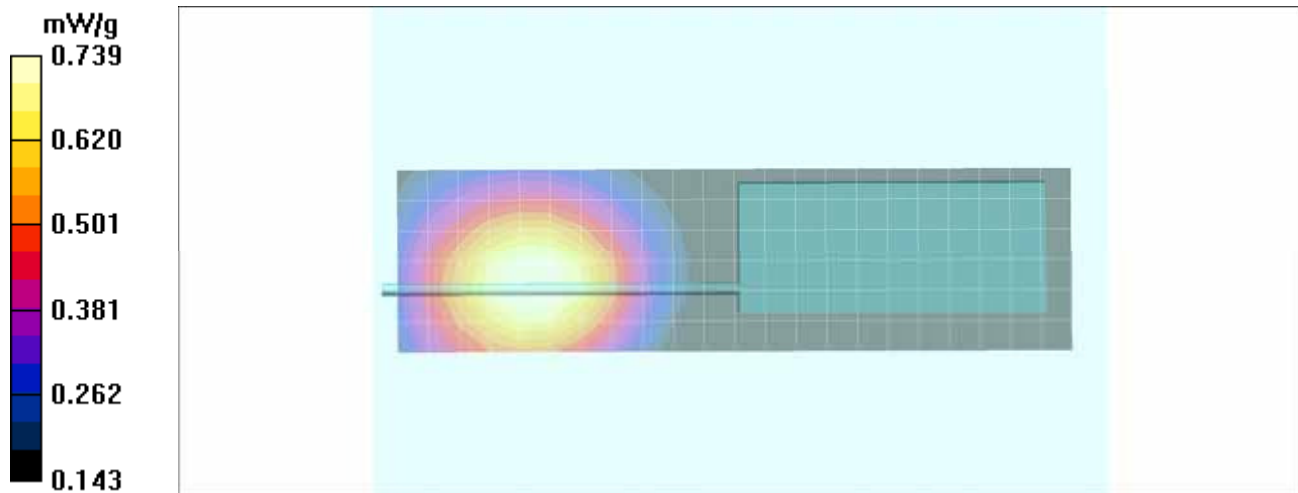
Reference Value = 9.11 V/m; Power Drift = -0.336 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

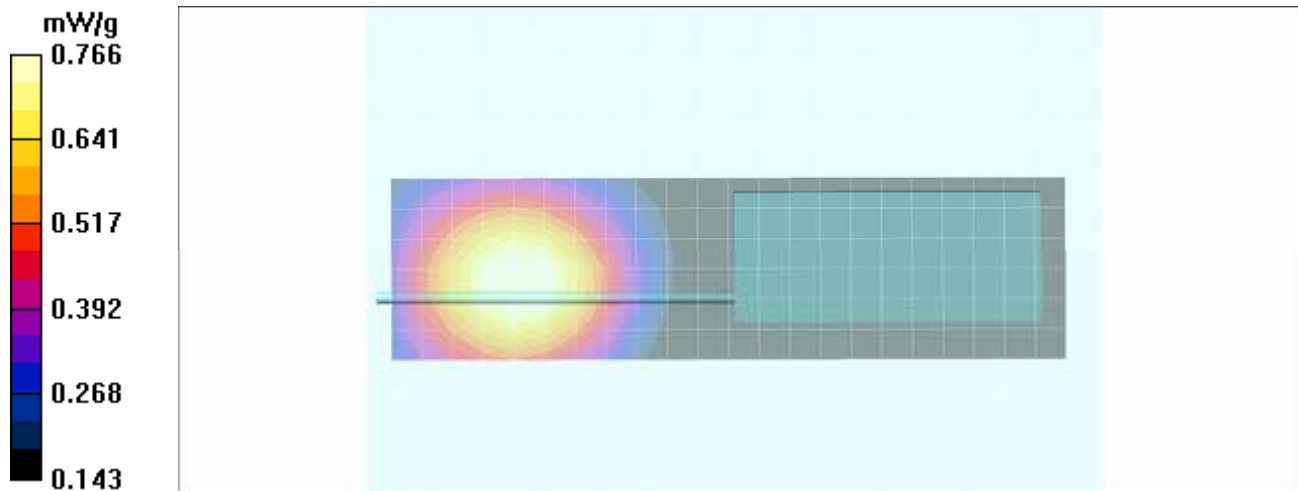
Reference Value = 8.82 V/m; Power Drift = -0.334 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

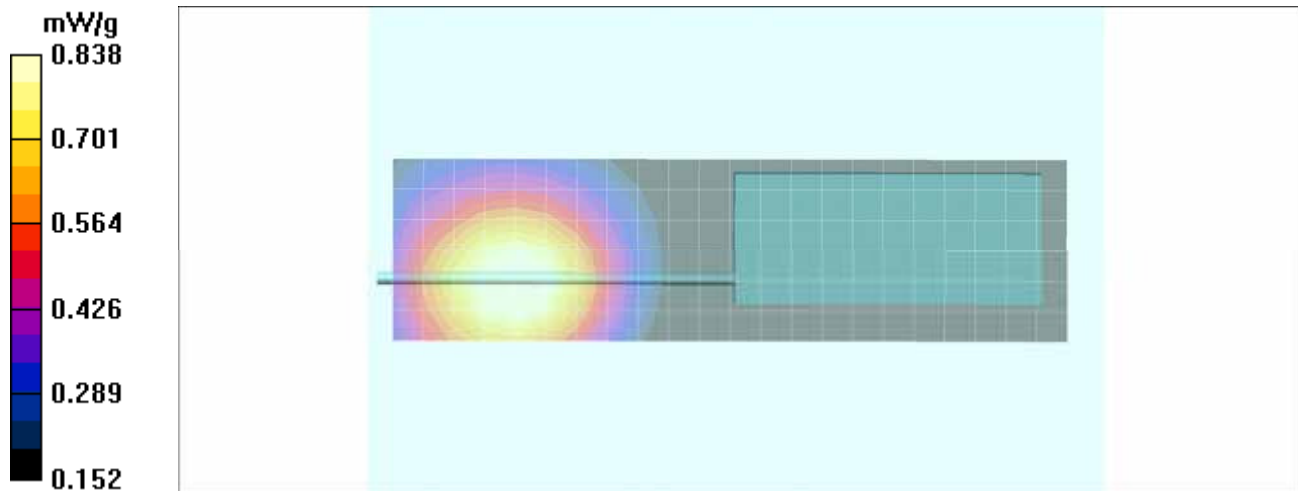
Reference Value = 8.08 V/m; Power Drift = -0.320 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

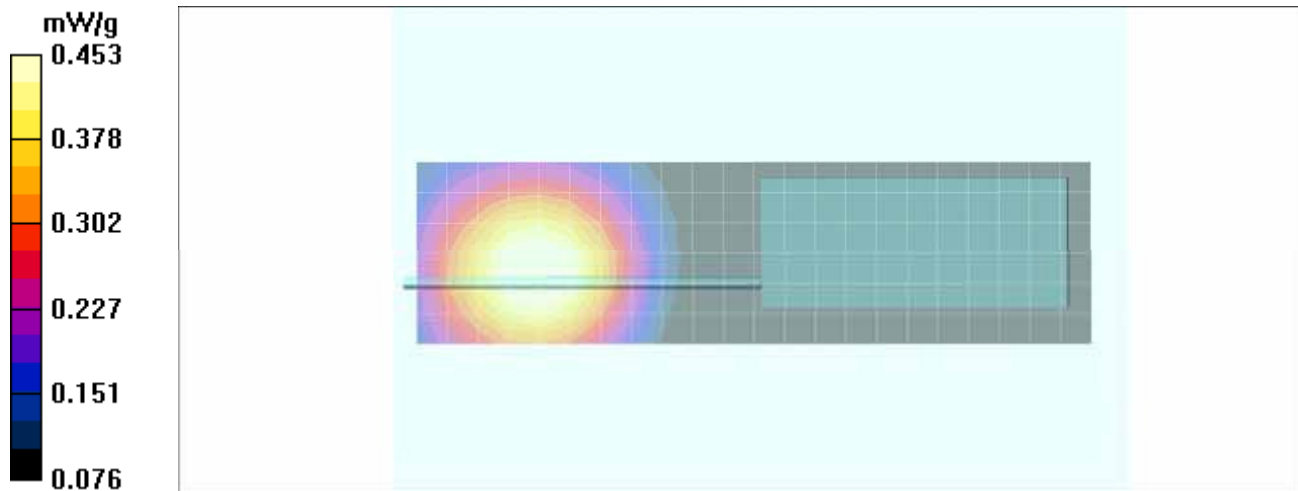
Reference Value = 5.78 V/m; Power Drift = -0.359 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

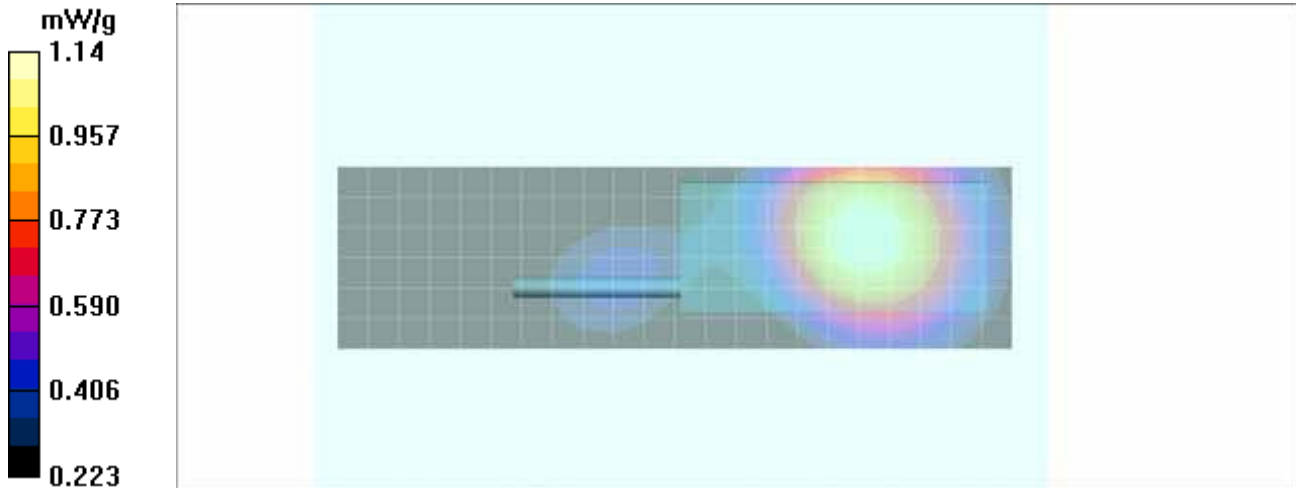
Reference Value = 18.4 V/m; Power Drift = -0.138 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

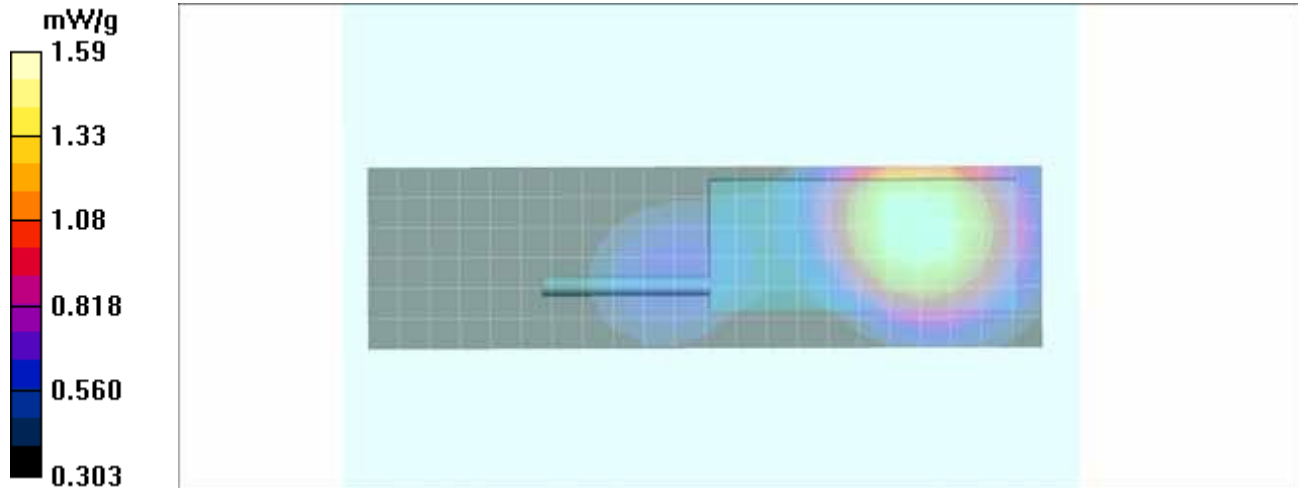
Reference Value = 24.7 V/m; Power Drift = -0.273 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

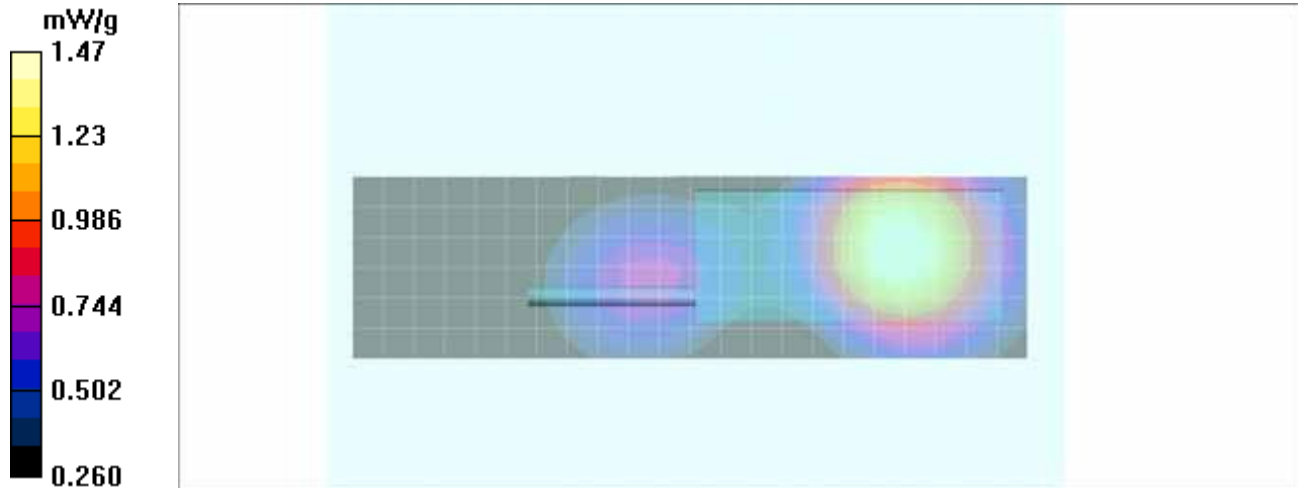
Reference Value = 25.0 V/m; Power Drift = -0.126 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

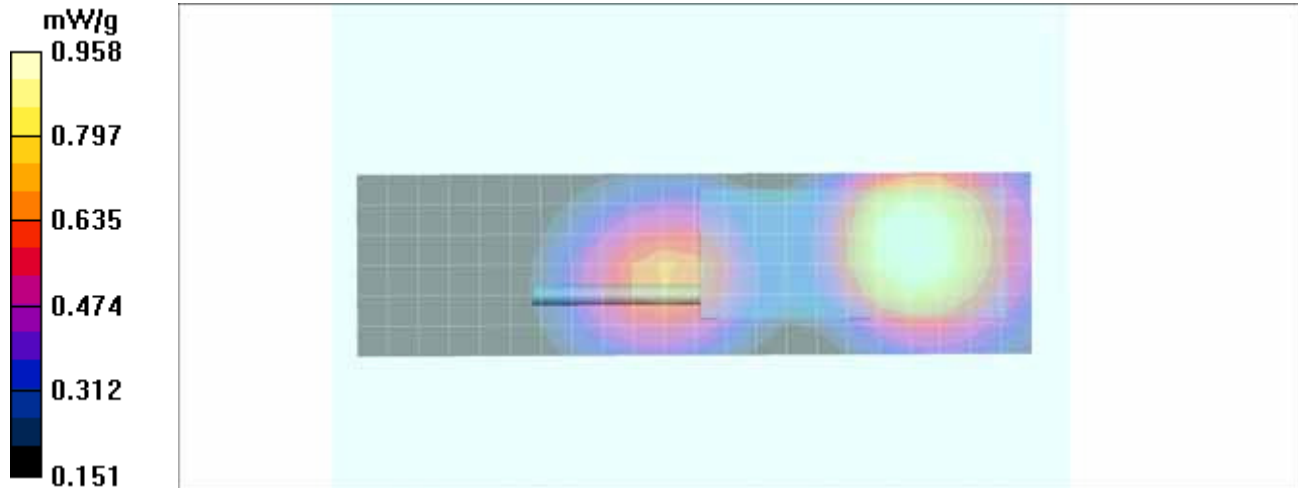
Reference Value = 25.8 V/m; Power Drift = -0.431 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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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

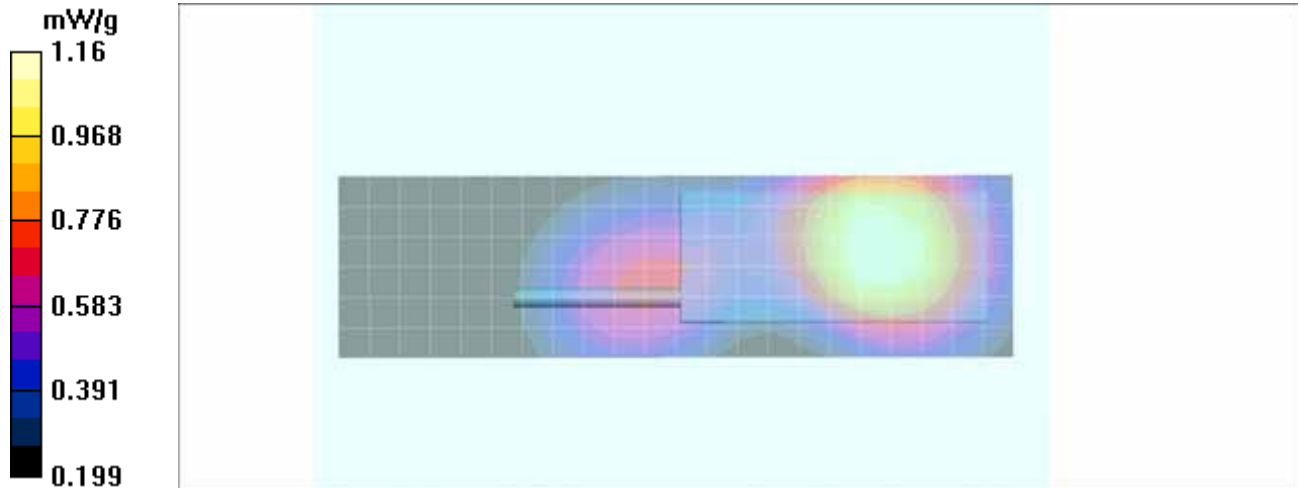
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

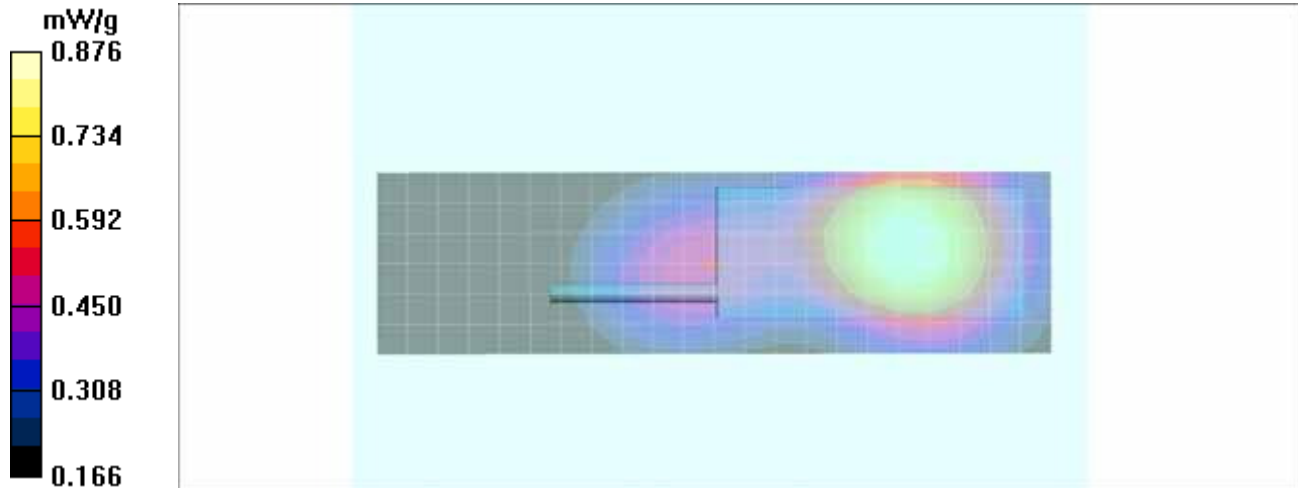
Reference Value = 22.8 V/m; Power Drift = -0.162 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

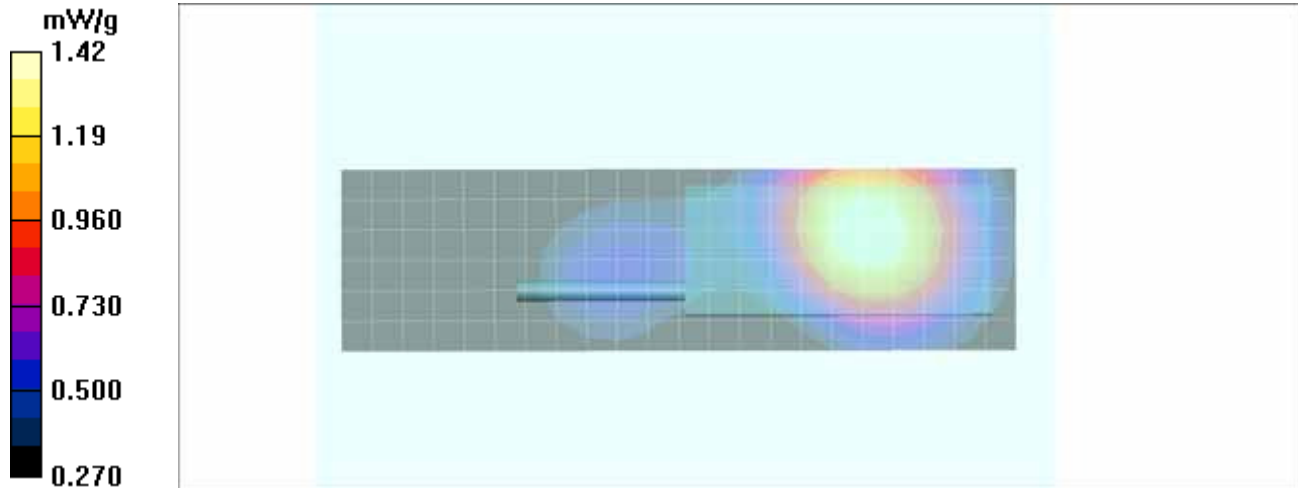
Reference Value = 22.1 V/m; Power Drift = -0.375 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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: 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) = 1.19 mW/g

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

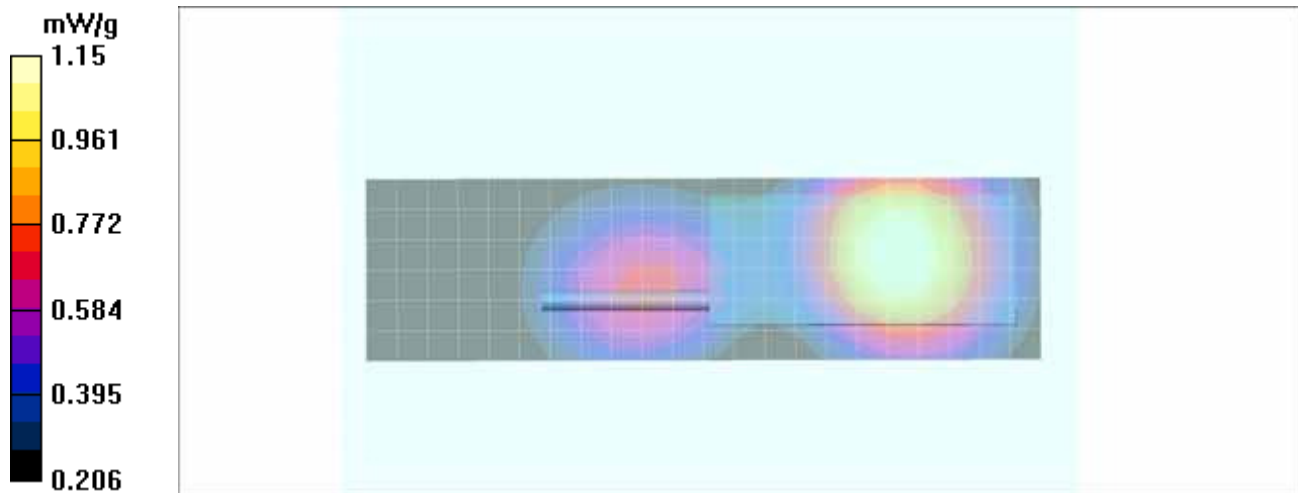
Reference Value = 23.6 V/m; Power Drift = -0.272 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

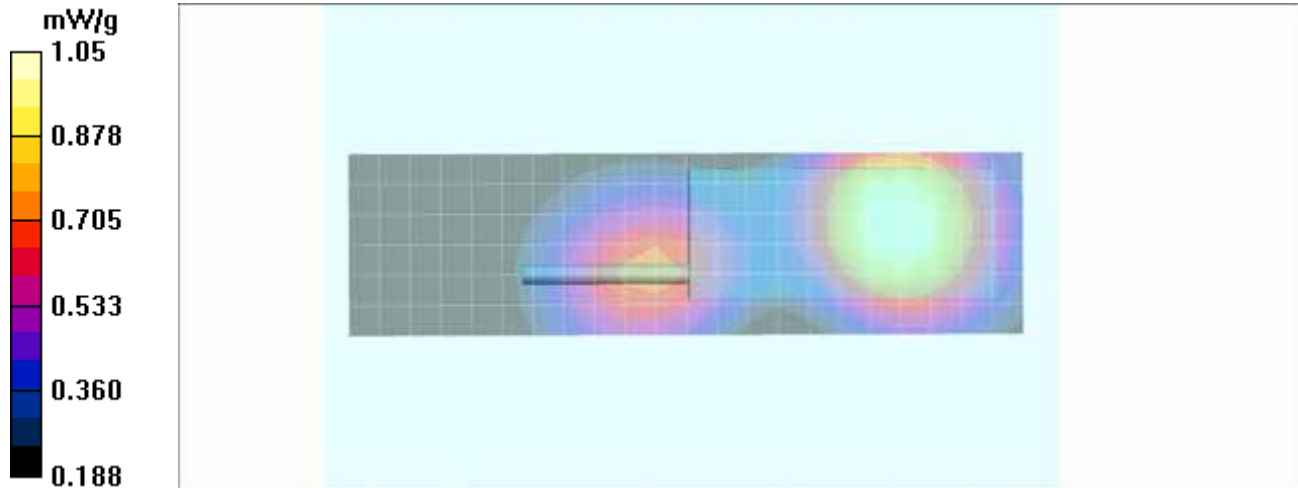
Reference Value = 26.3 V/m; Power Drift = -0.326 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

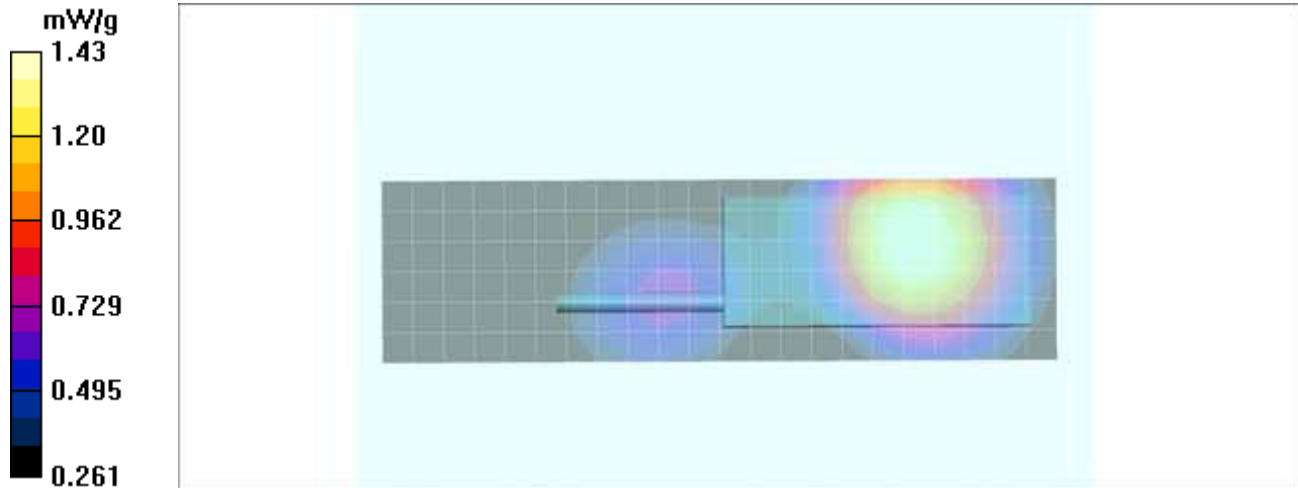
Reference Value = 22.4 V/m; Power Drift = -0.335 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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: 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) = 2.86 mW/g

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

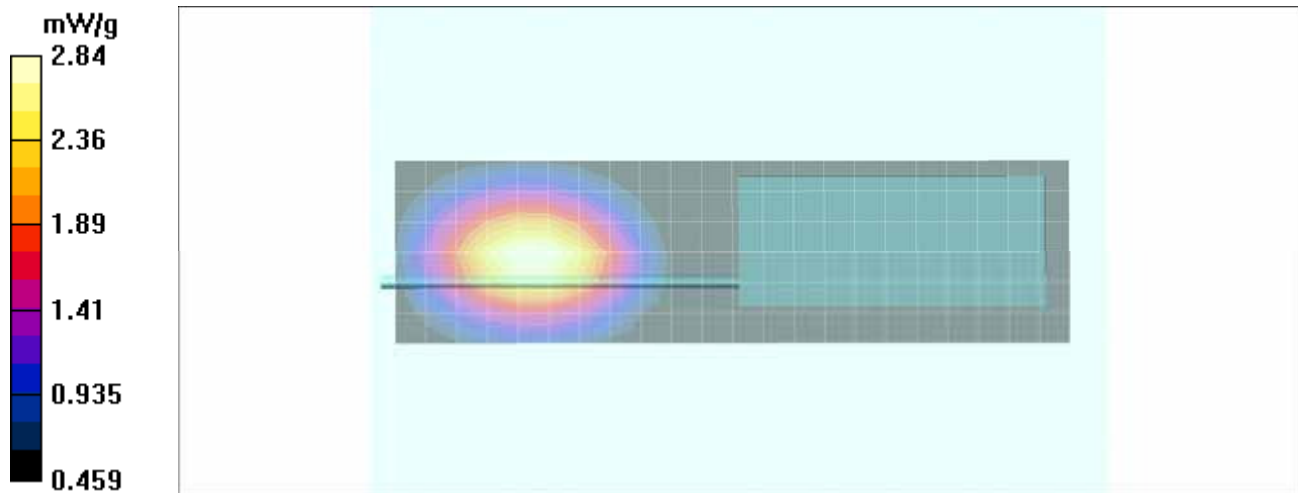
Reference Value = 11.8 V/m; Power Drift = -0.361 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

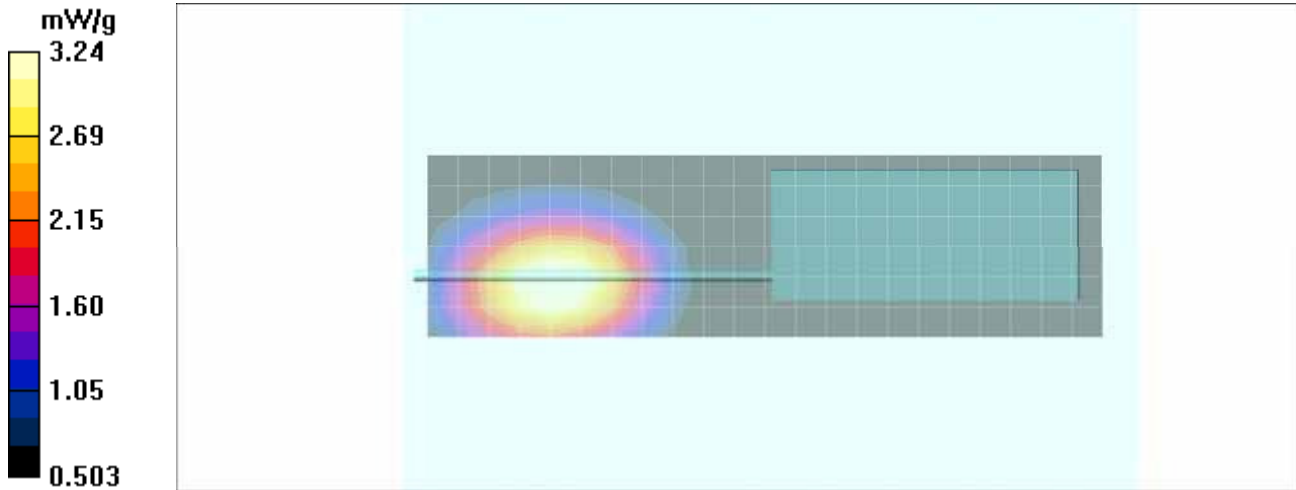
Reference Value = 14.1 V/m; Power Drift = -1.74 dB


Peak SAR (extrapolated) = 3.91 W/kg

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

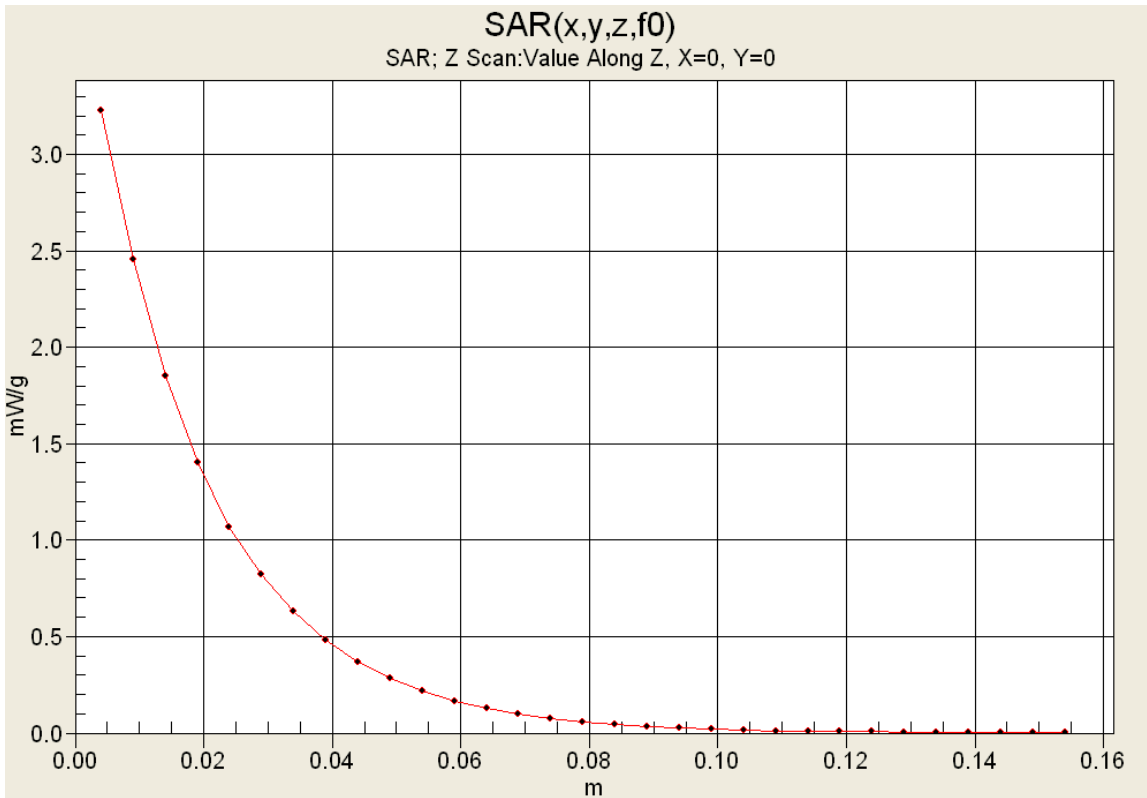
Info: Interpolated medium parameters used for SAR evaluation.



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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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Z-Axis Scan



	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

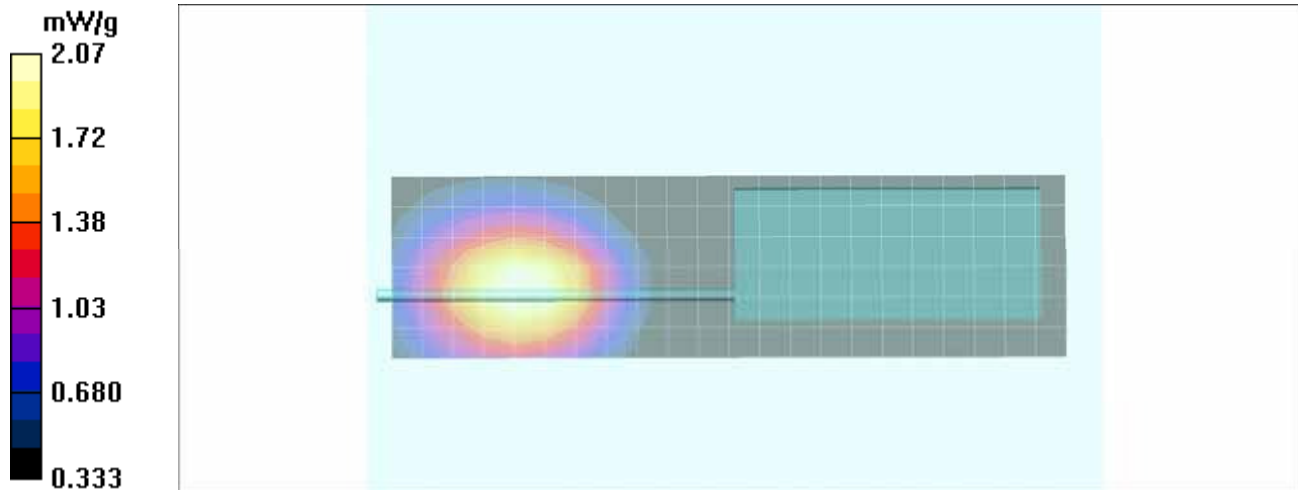
Reference Value = 12.6 V/m; Power Drift = 0.708 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

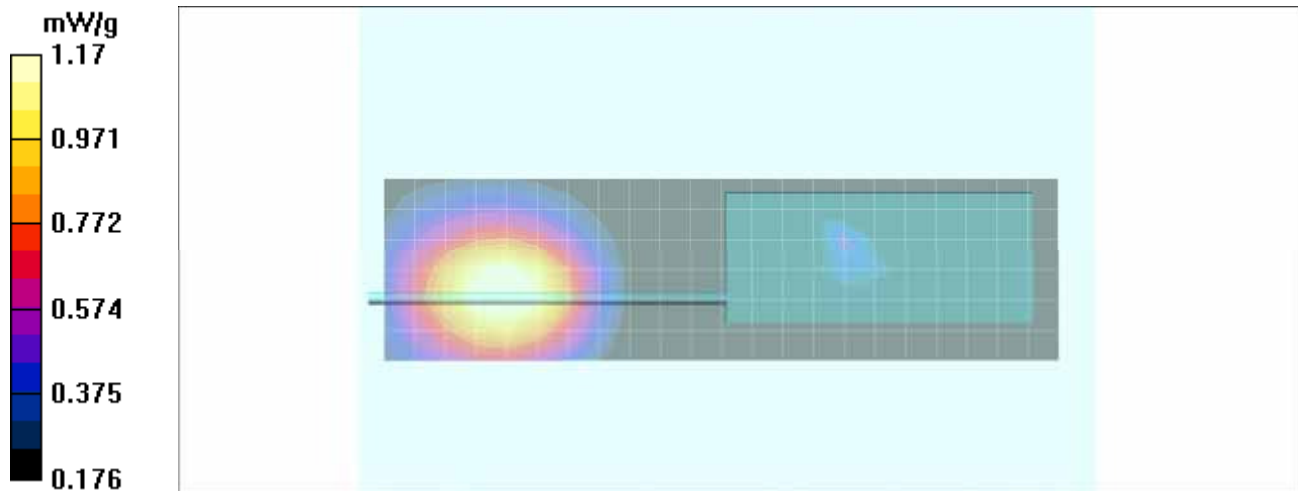
Reference Value = 13.4 V/m; Power Drift = -0.100 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

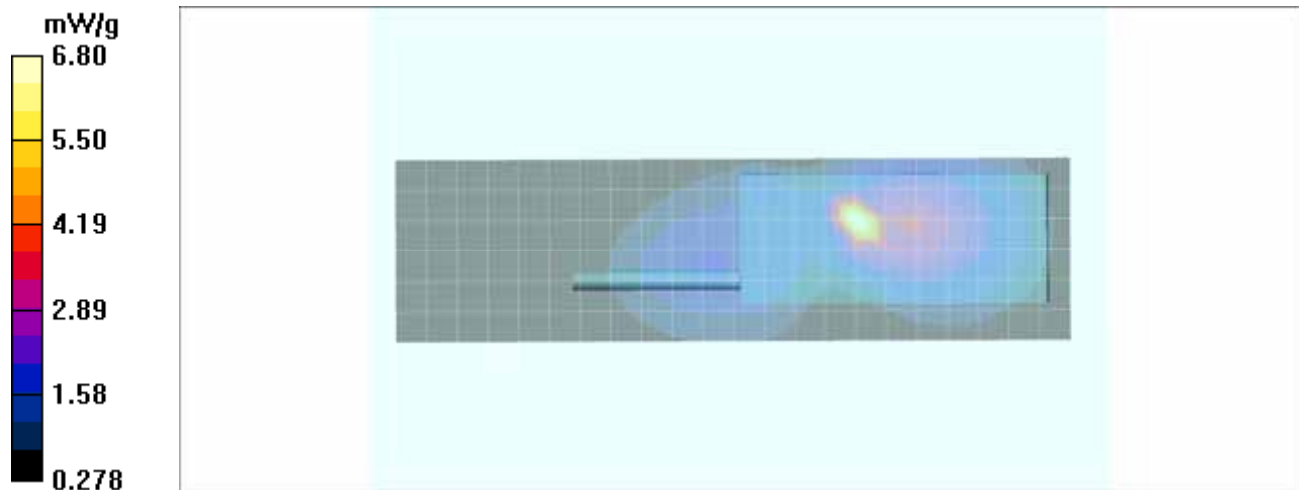
Reference Value = 41.1 V/m; Power Drift = -0.113 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

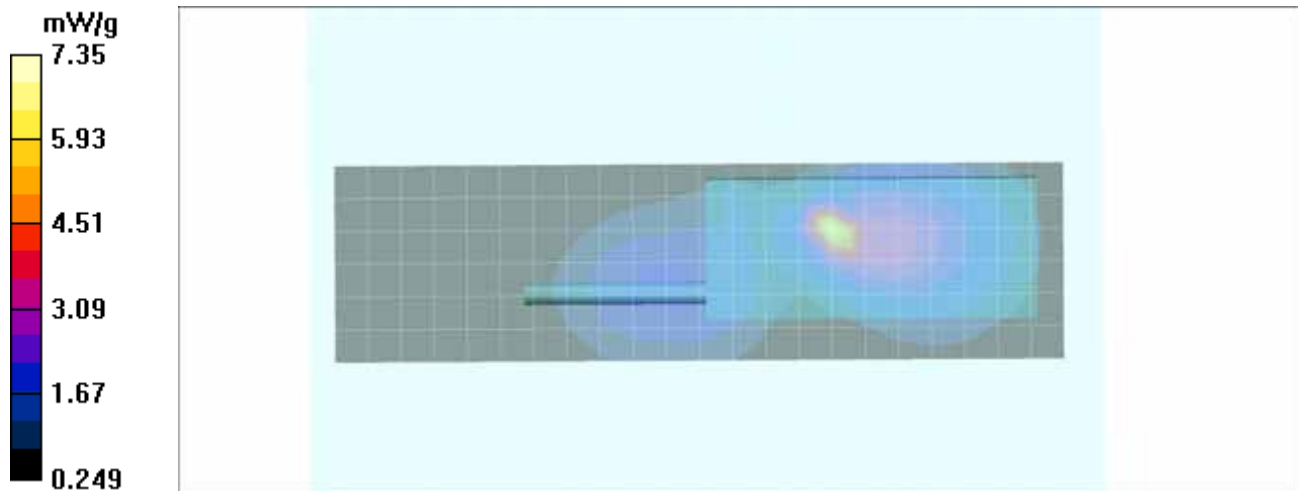
Reference Value = 40.6 V/m; Power Drift = -0.247 dB


Peak SAR (extrapolated) = 31.6 W/kg

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

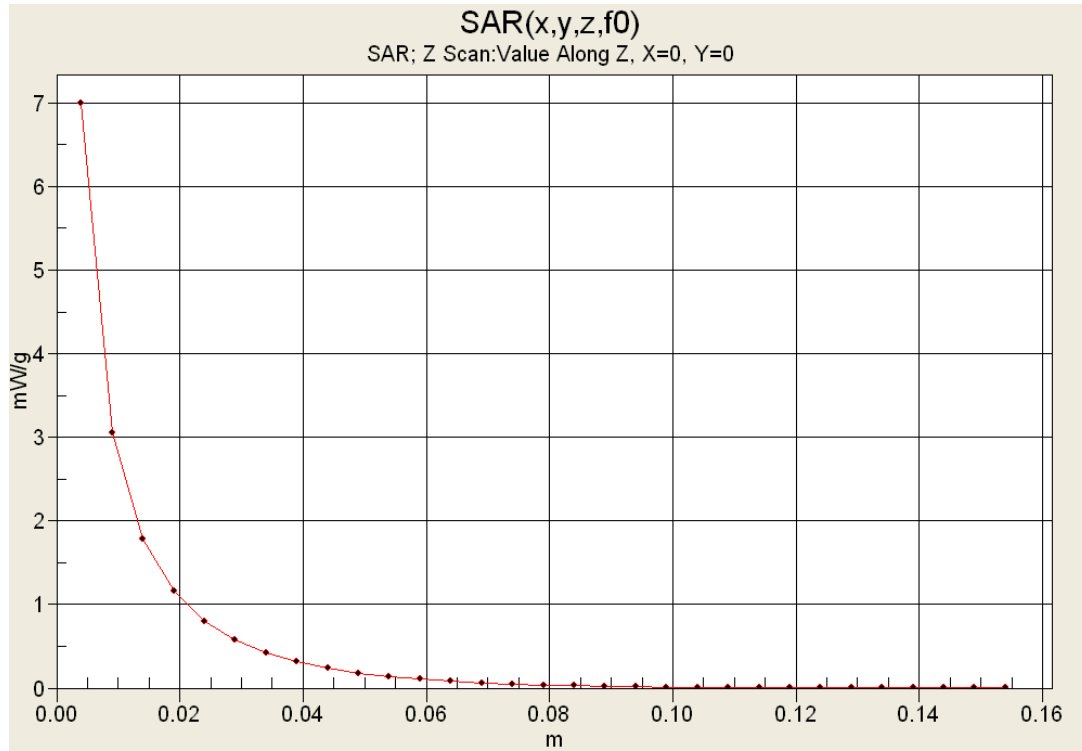
Info: Interpolated medium parameters used for SAR evaluation.

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

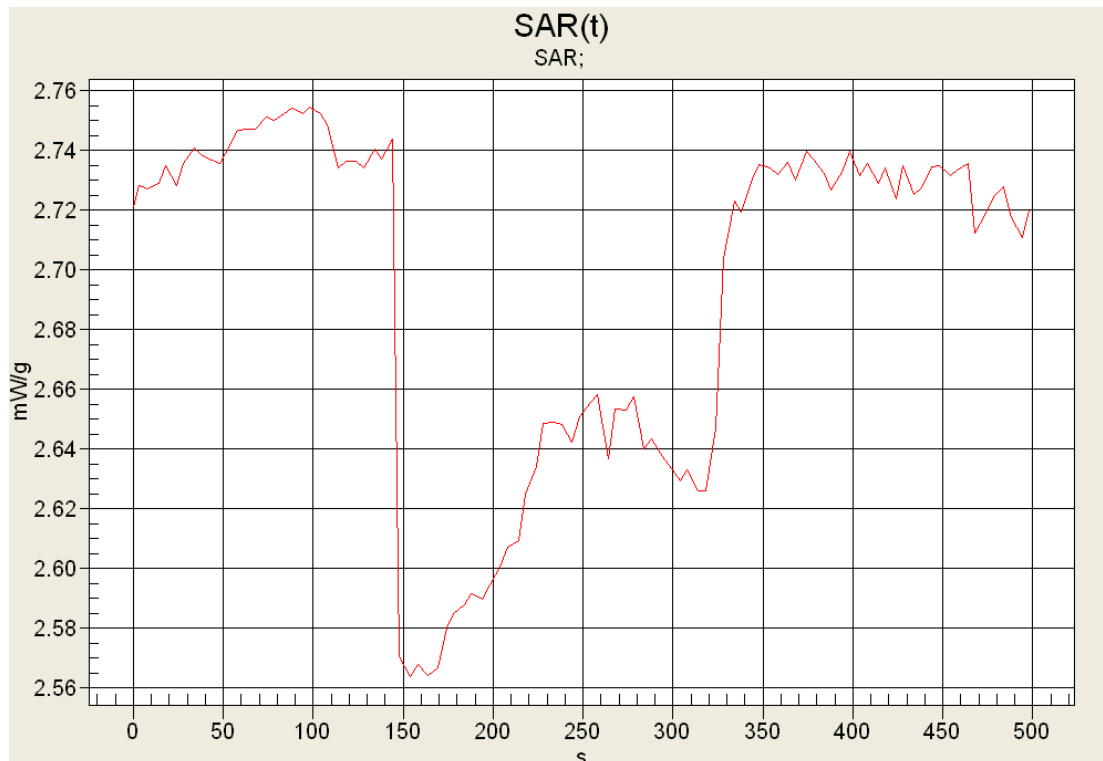




Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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Z-Axis Scan



SAR-versus-Time



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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

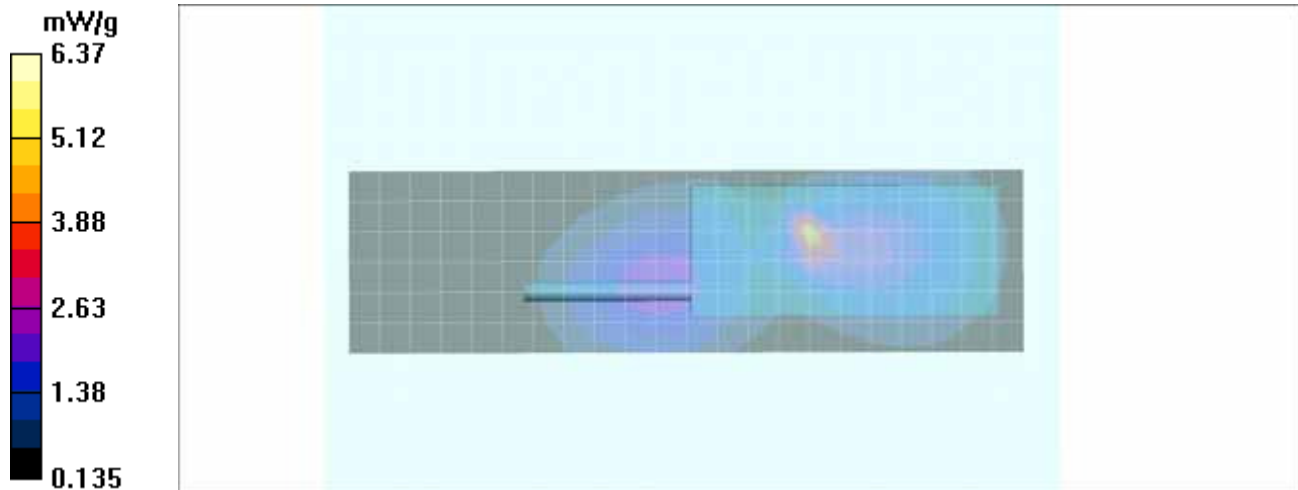
Reference Value = 43.7 V/m; Power Drift = -0.194 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

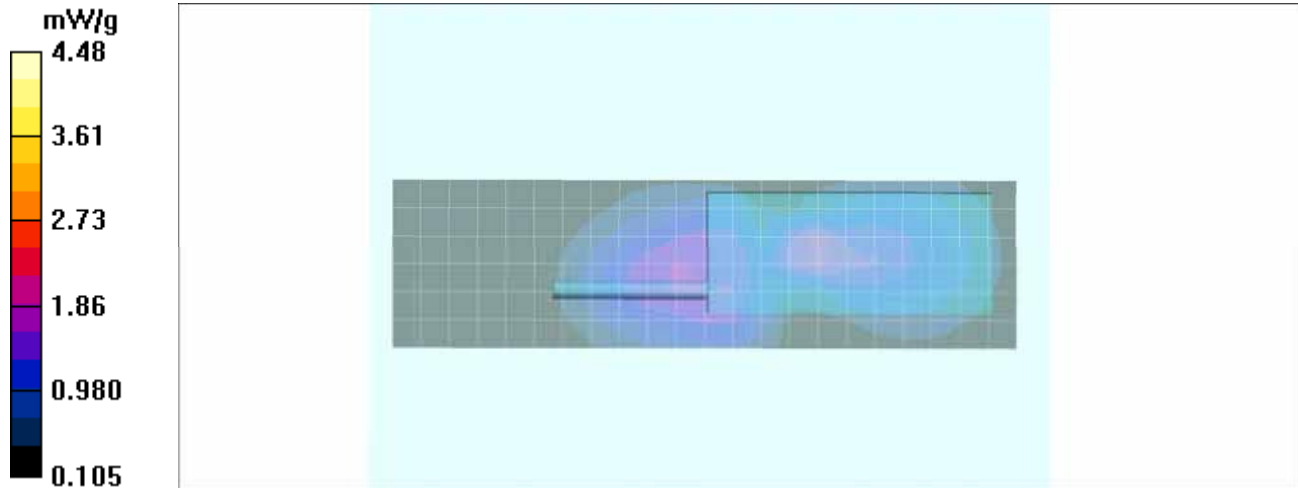
Reference Value = 41.0 V/m; Power Drift = -0.333 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	
	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

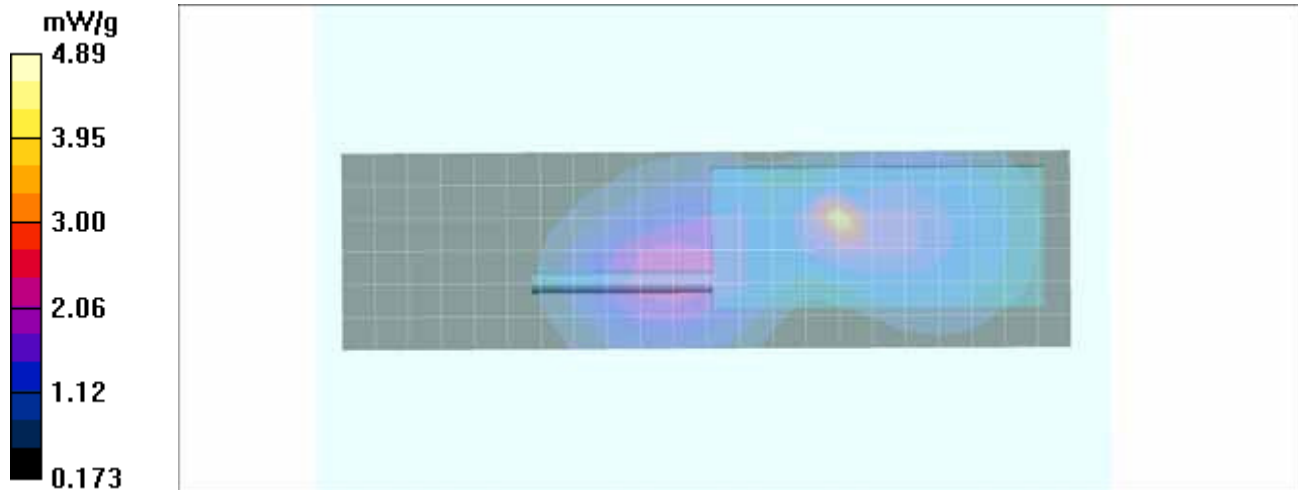
Reference Value = 43.5 V/m; Power Drift = -0.343 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

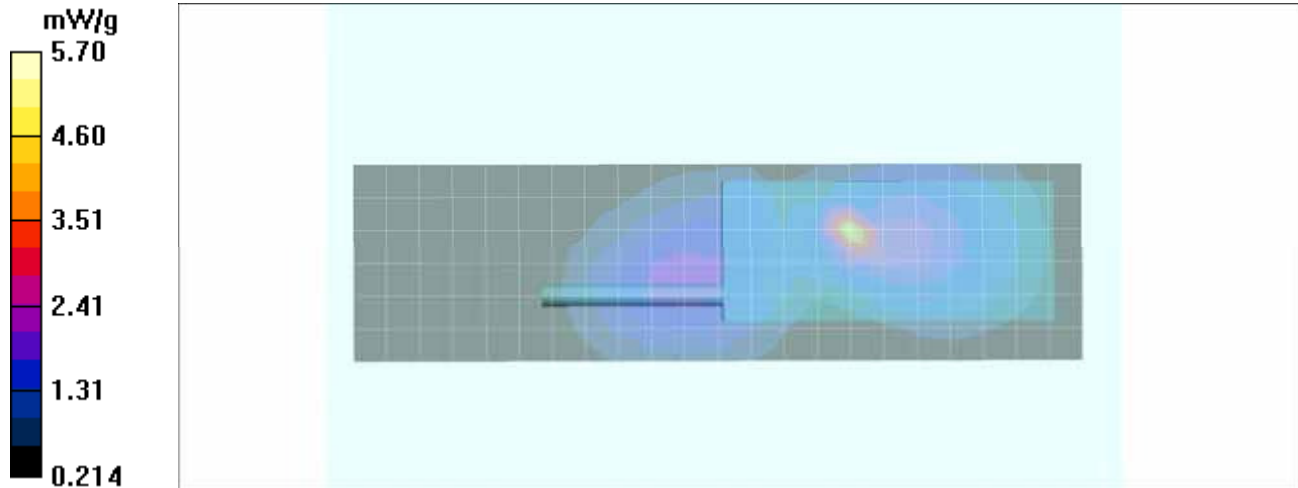
Reference Value = 43.2 V/m; Power Drift = -0.475 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

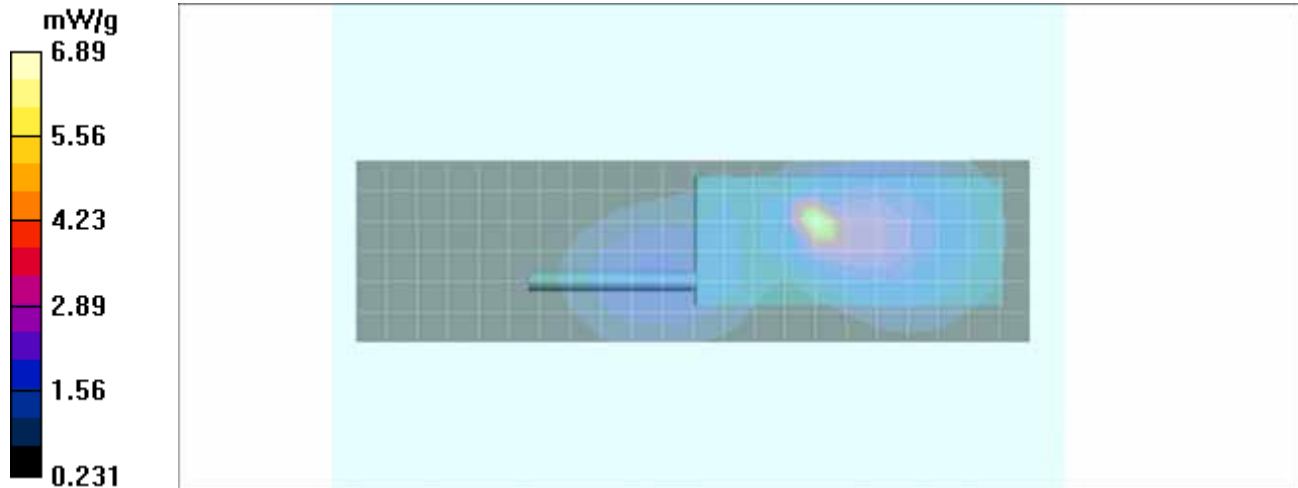
Reference Value = 38.5 V/m; Power Drift = -0.329 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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: 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) = 3.70 mW/g

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

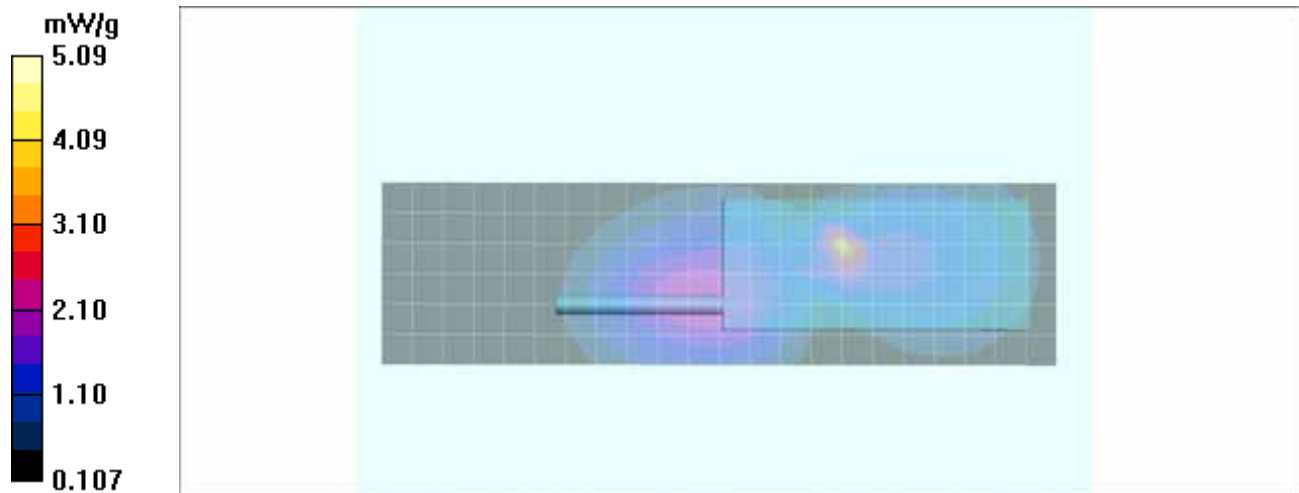
Reference Value = 43.7 V/m; Power Drift = -0.350 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

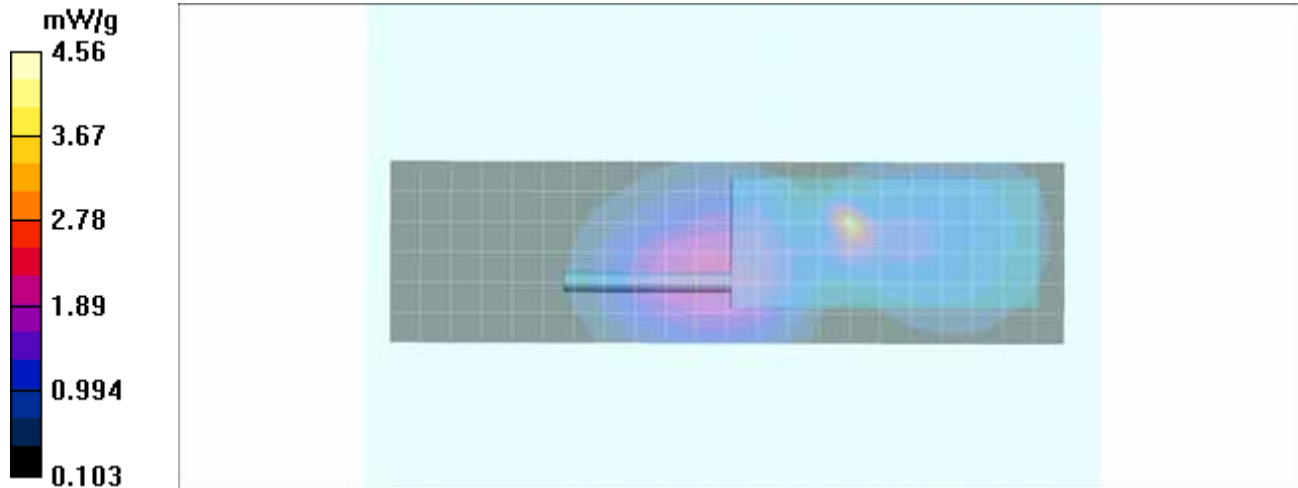
Reference Value = 44.8 V/m; Power Drift = -0.359 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

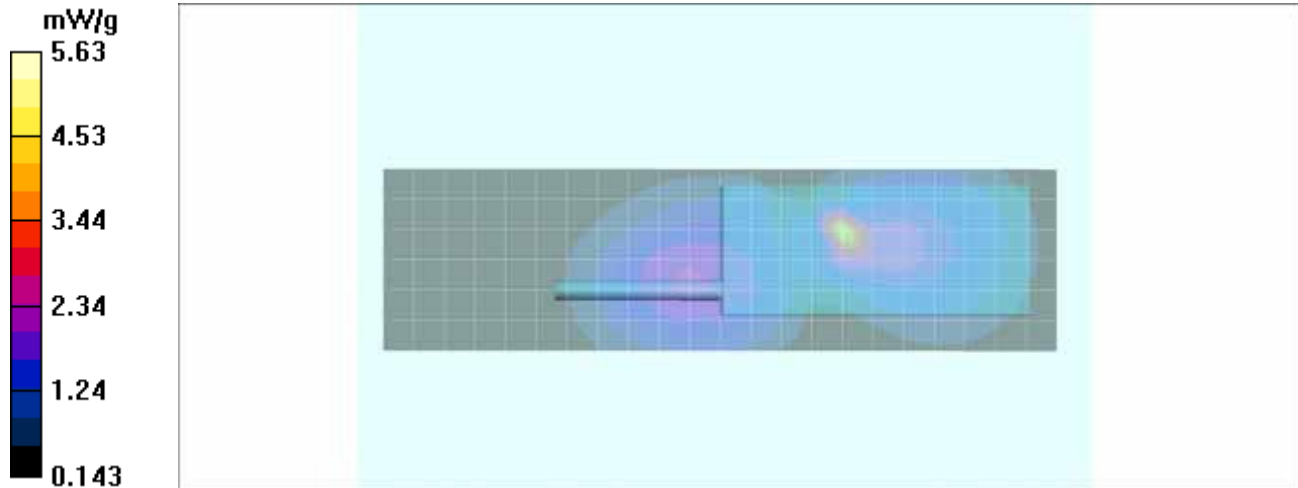
Reference Value = 44.2 V/m; Power Drift = -0.357 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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: 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) = 1.61 mW/g

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

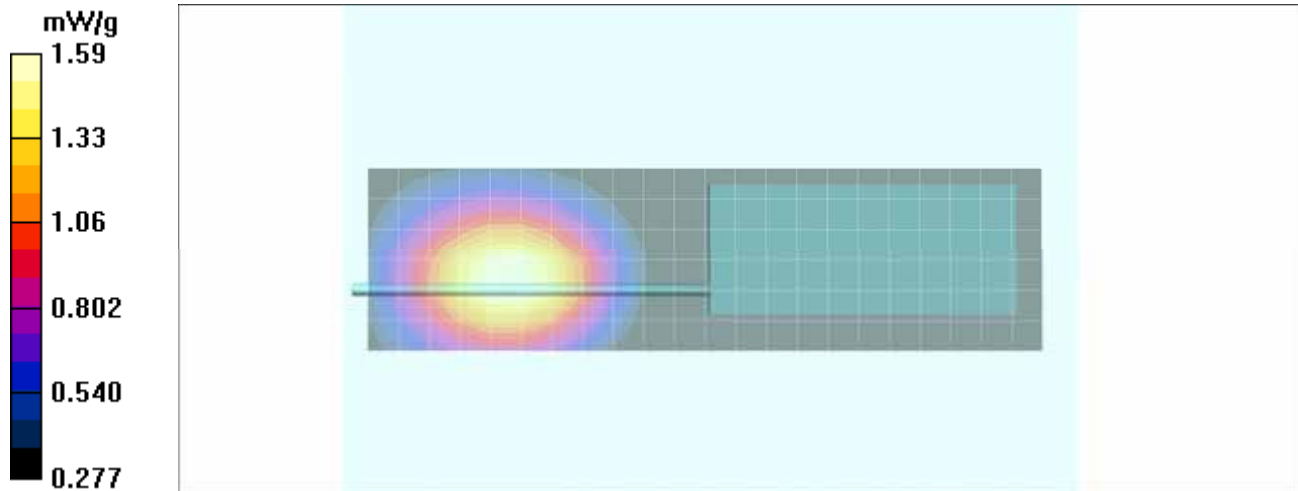
Reference Value = 9.96 V/m; Power Drift = -0.193 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

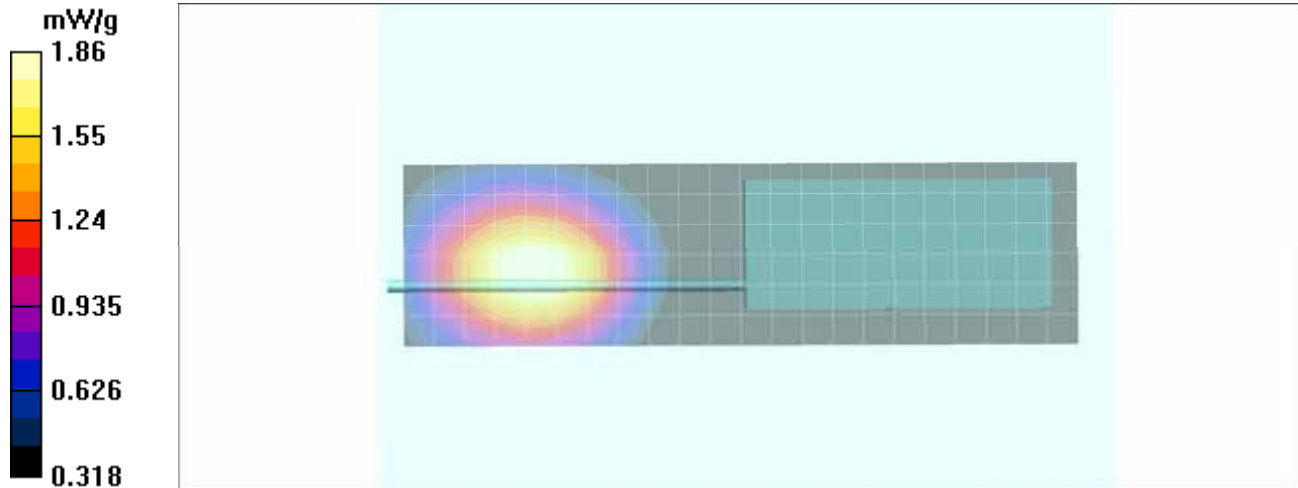
Reference Value = 9.34 V/m; Power Drift = -0.279 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

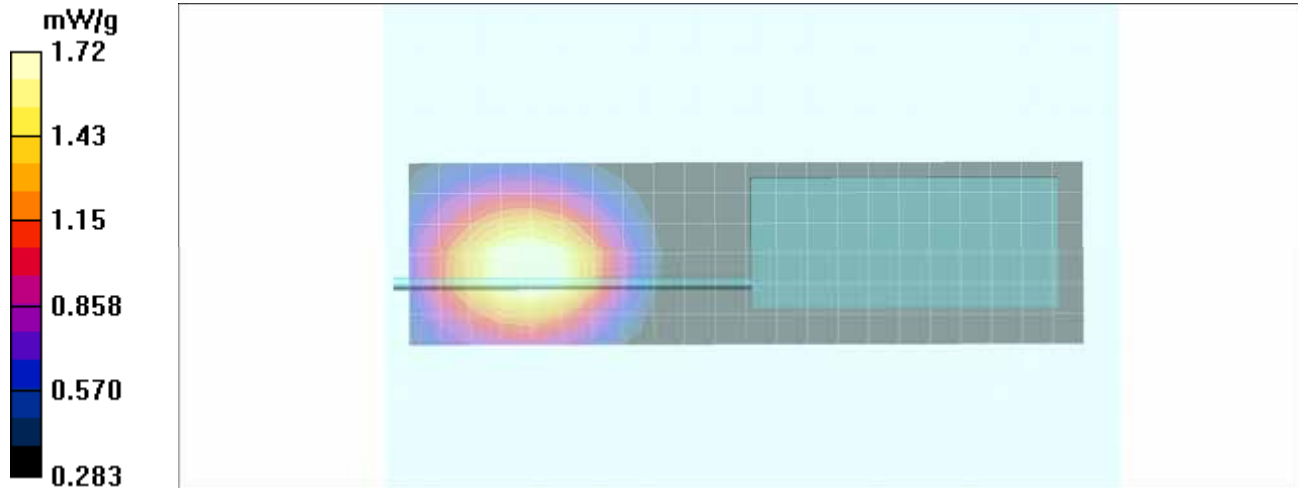
Reference Value = 9.49 V/m; Power Drift = -0.093 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

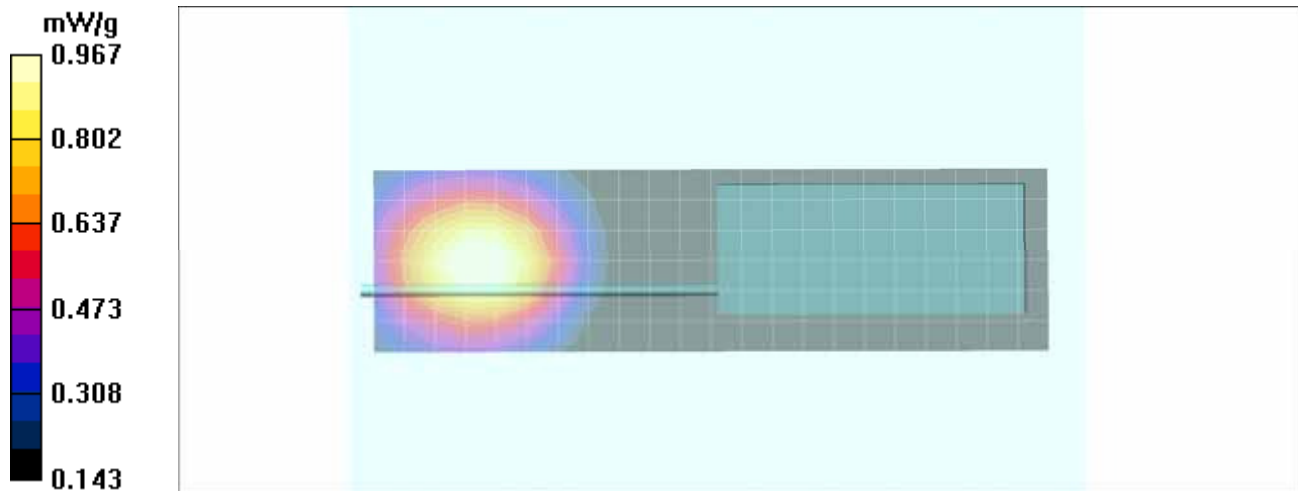
Reference Value = 10.3 V/m; Power Drift = -0.270 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

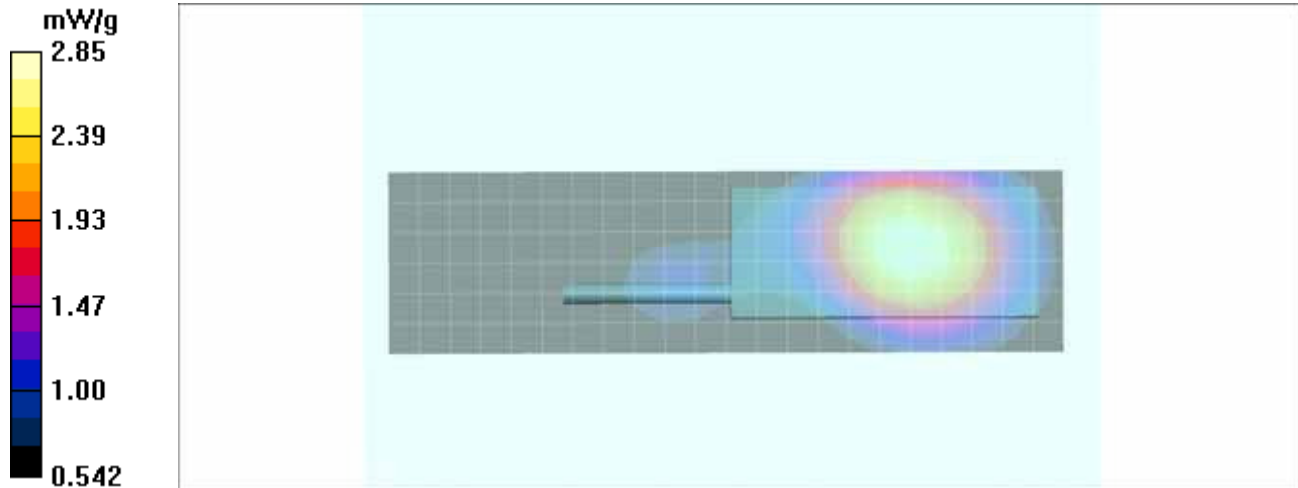
Reference Value = 29.6 V/m; Power Drift = -0.149 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

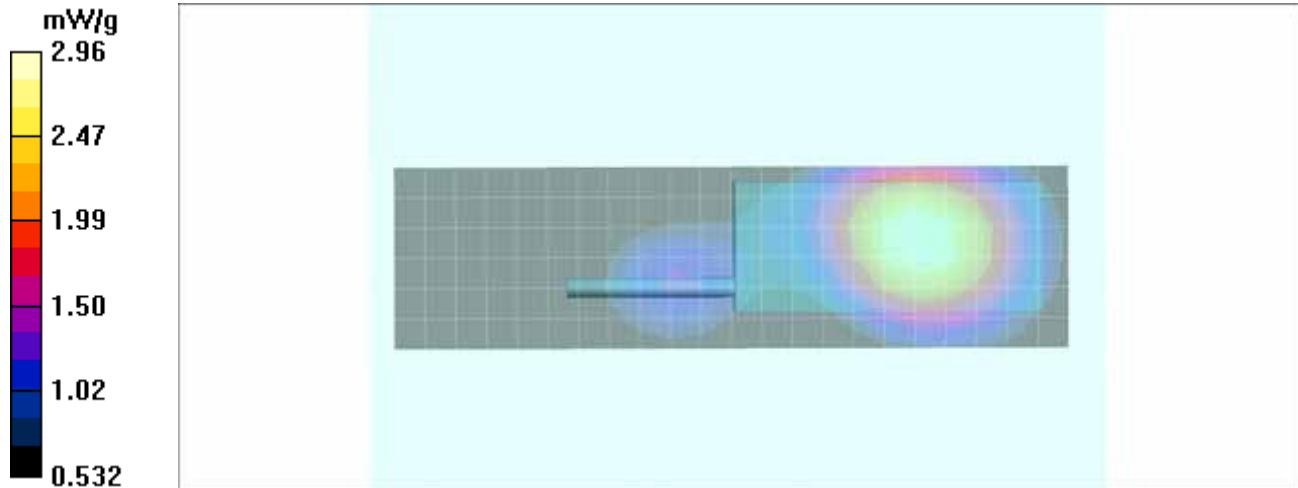
Reference Value = 31.1 V/m; Power Drift = -0.225 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

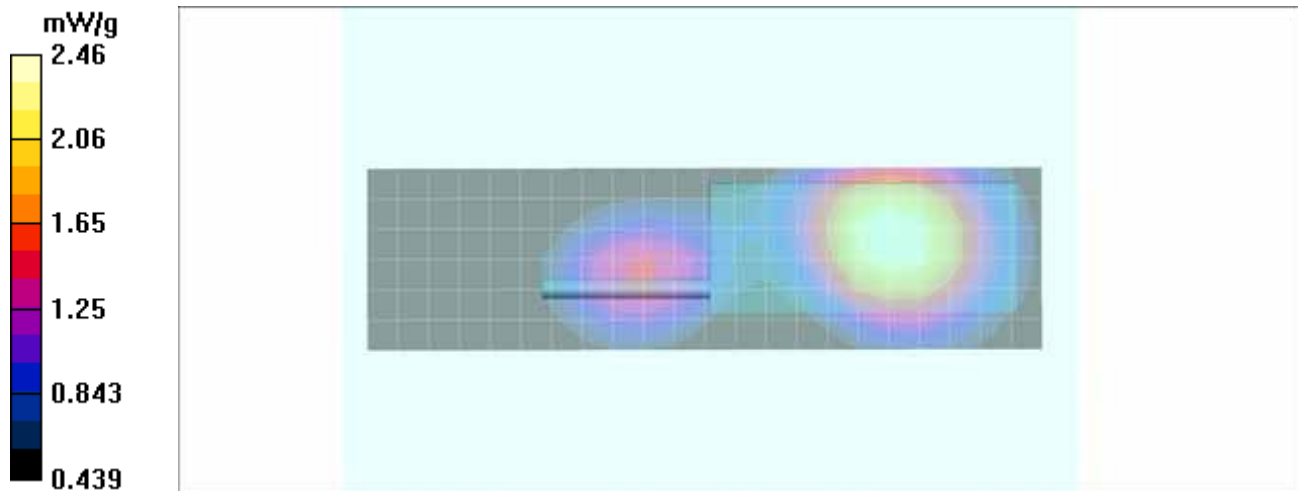
Reference Value = 31.8 V/m; Power Drift = -0.127 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

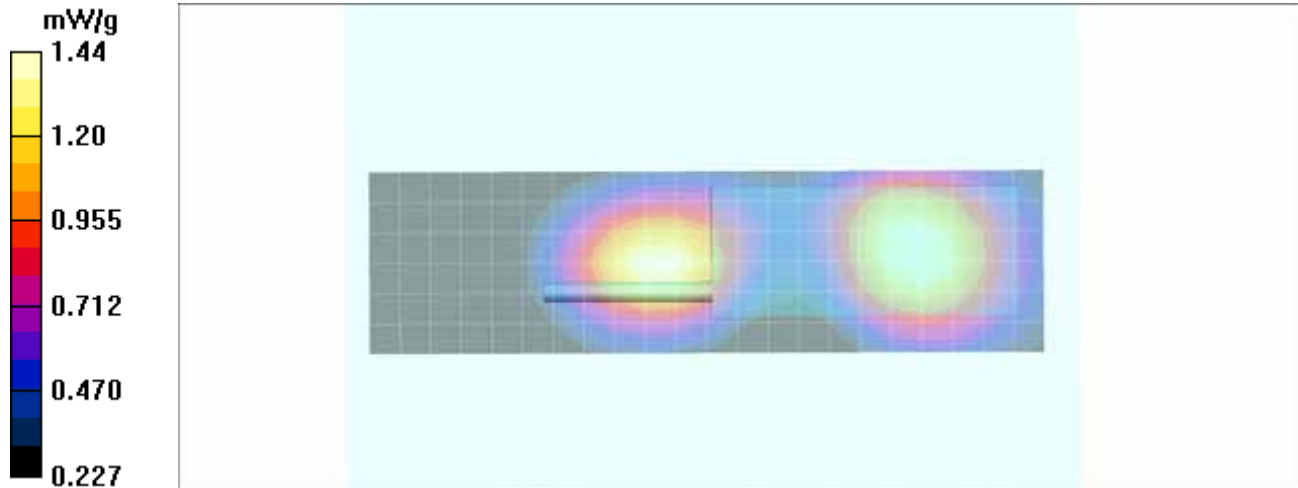
Reference Value = 34.8 V/m; Power Drift = -0.399 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

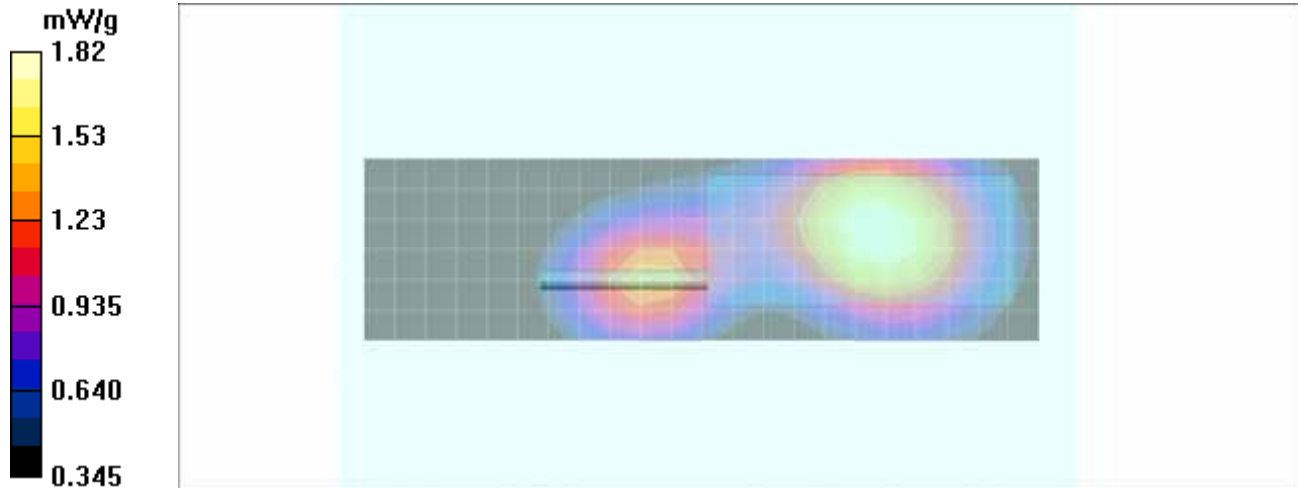
Reference Value = 33.6 V/m; Power Drift = -0.272 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

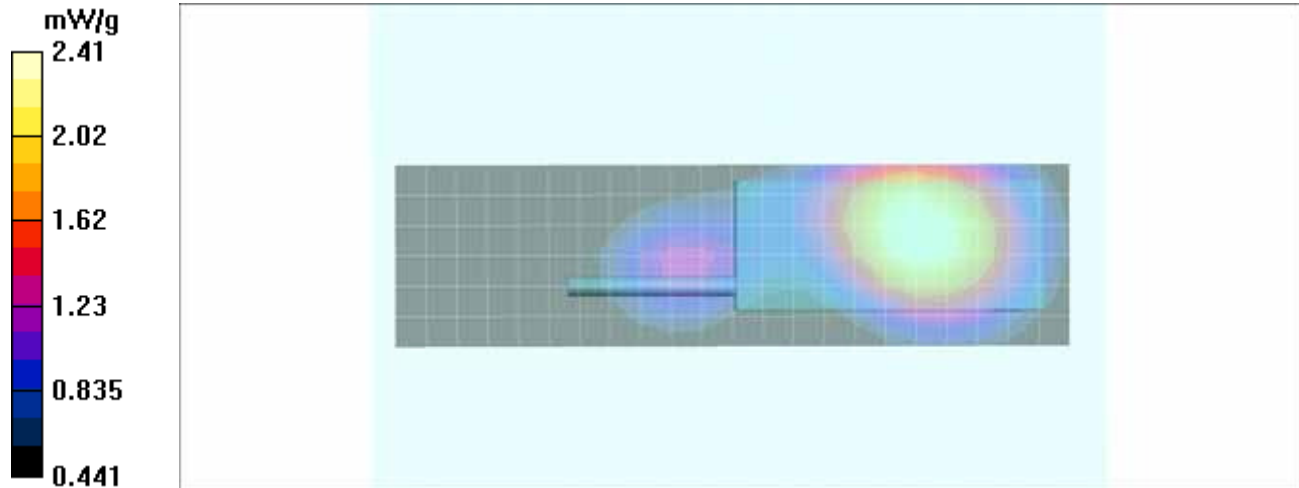
Reference Value = 32.3 V/m; Power Drift = -0.241 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

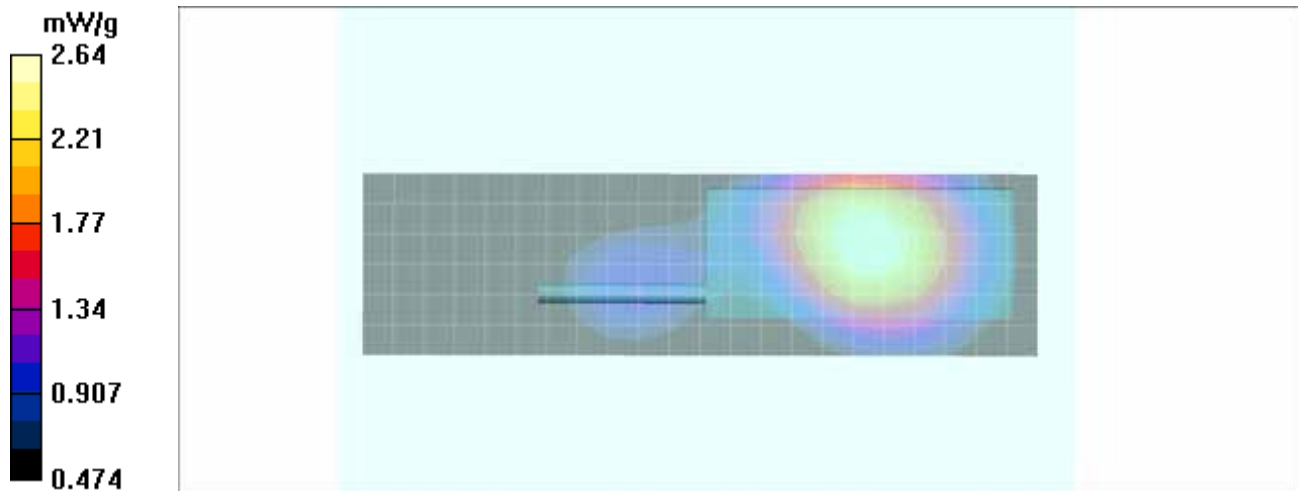
Reference Value = 29.4 V/m; Power Drift = -0.241 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

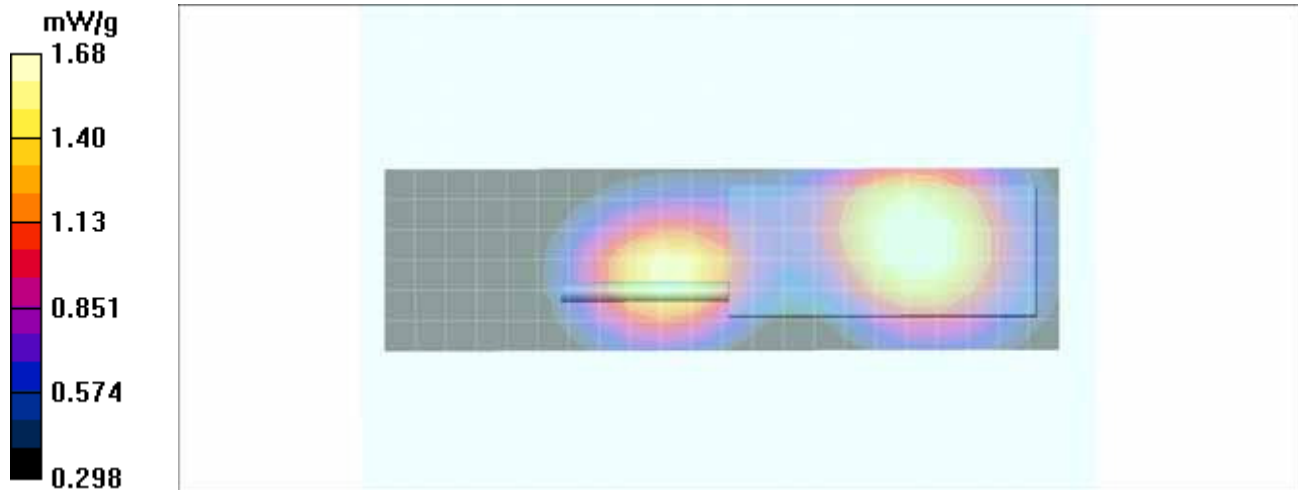
Reference Value = 35.1 V/m; Power Drift = -0.194 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

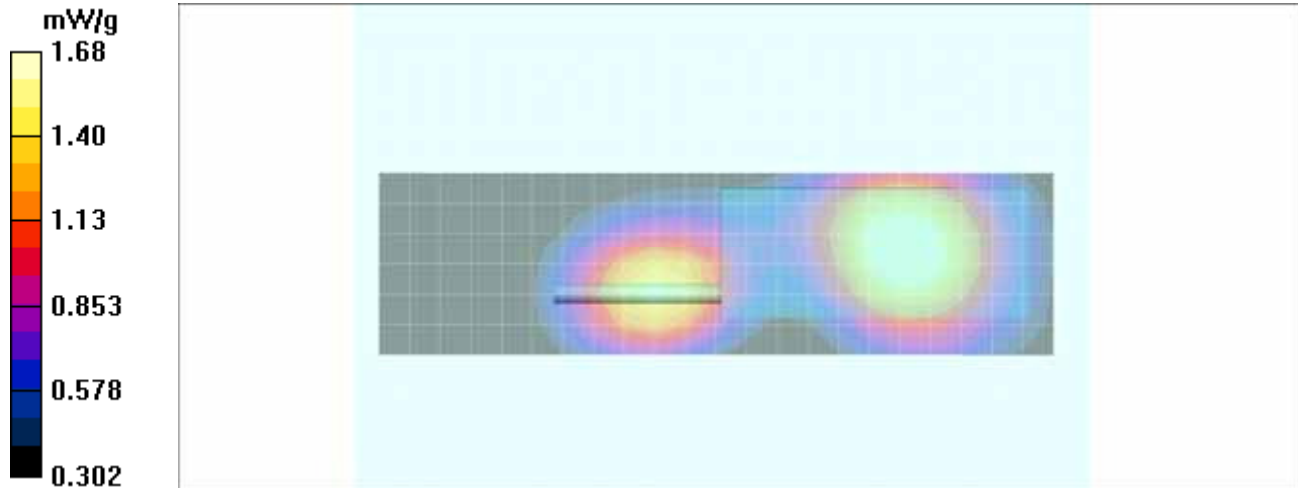
Reference Value = 31.8 V/m; Power Drift = -0.057 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

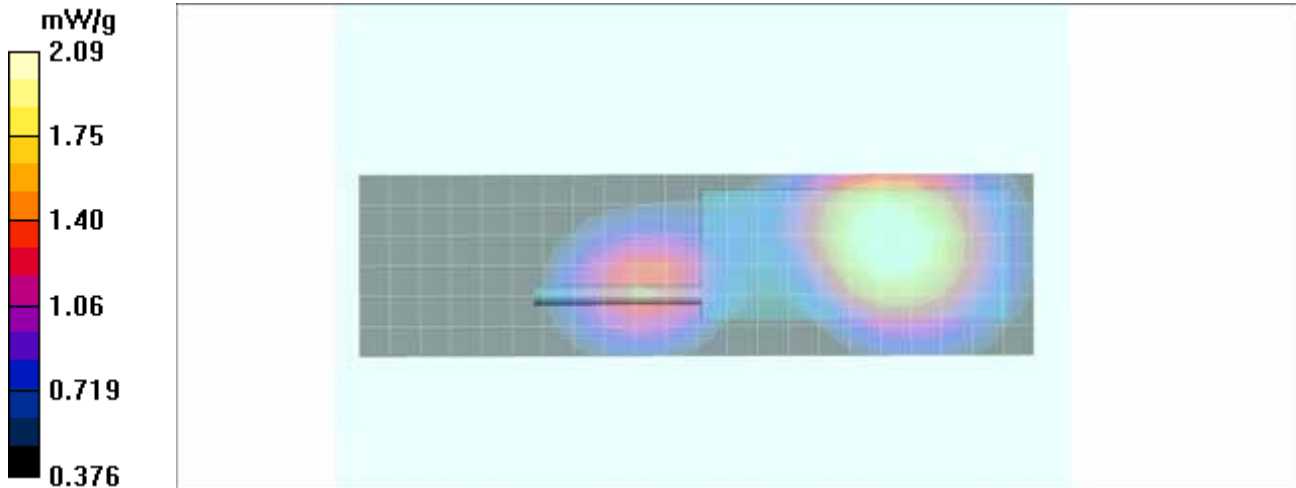
Reference Value = 32.6 V/m; Power Drift = -0.310 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

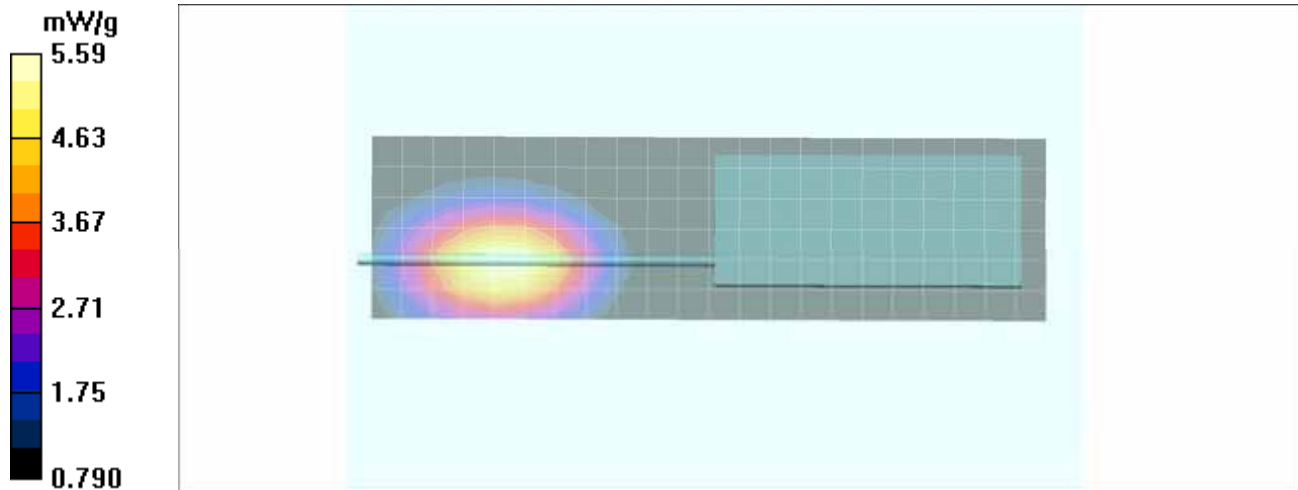
Reference Value = 15.4 V/m; Power Drift = 0.001 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

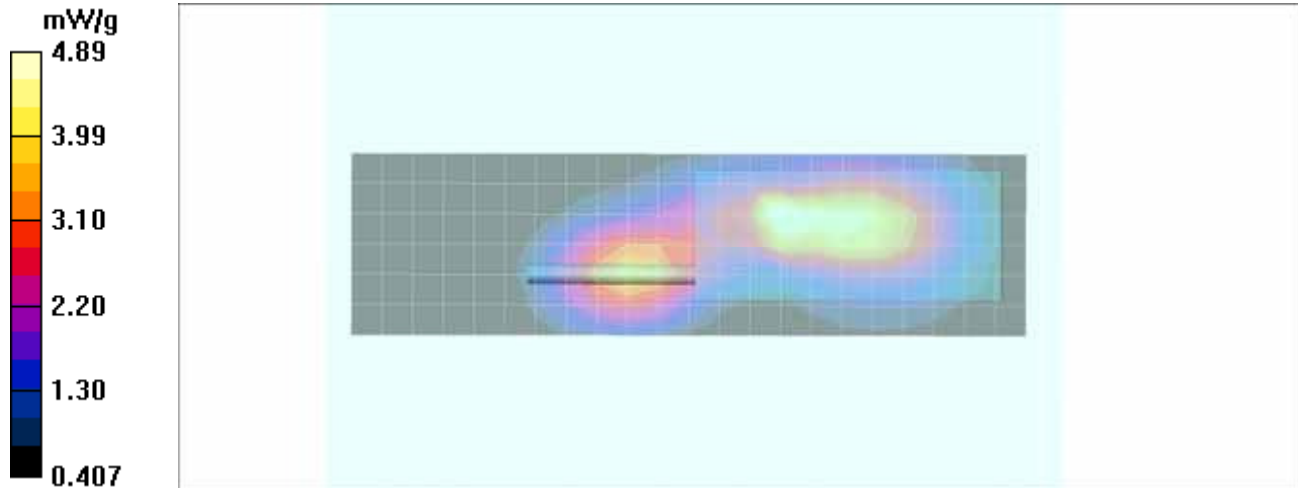
Reference Value = 54.1 V/m; Power Drift = 0.066 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

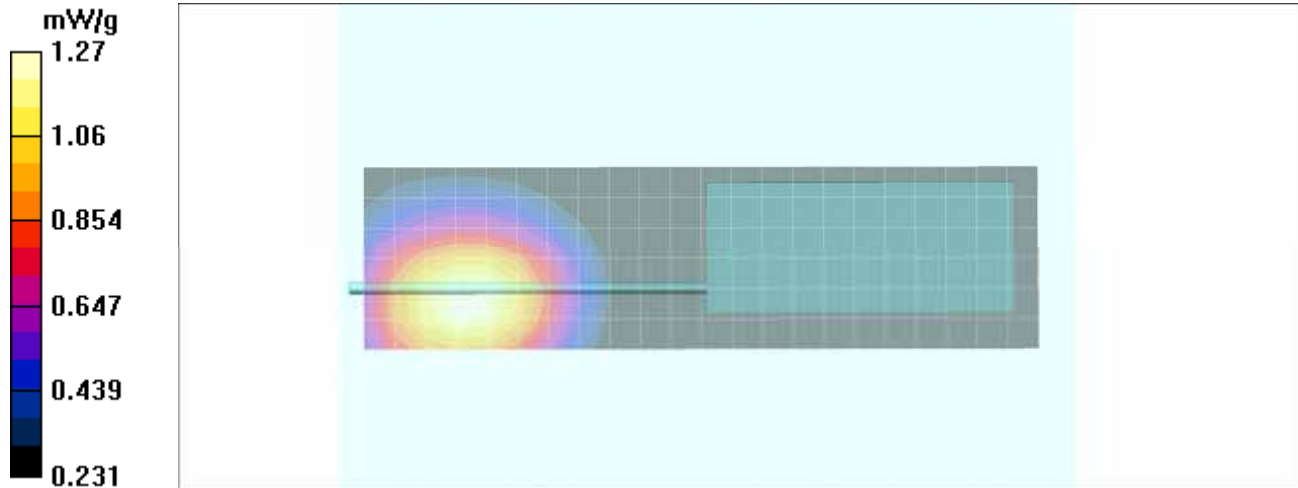
Reference Value = 8.35 V/m; Power Drift = -0.273 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

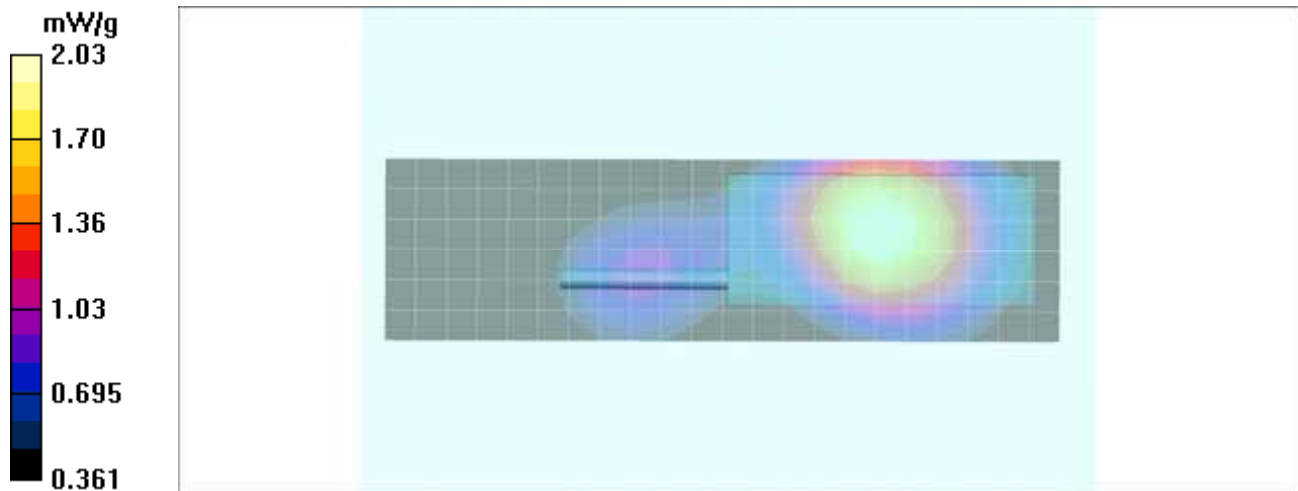
Reference Value = 26.6 V/m; Power Drift = -0.022 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

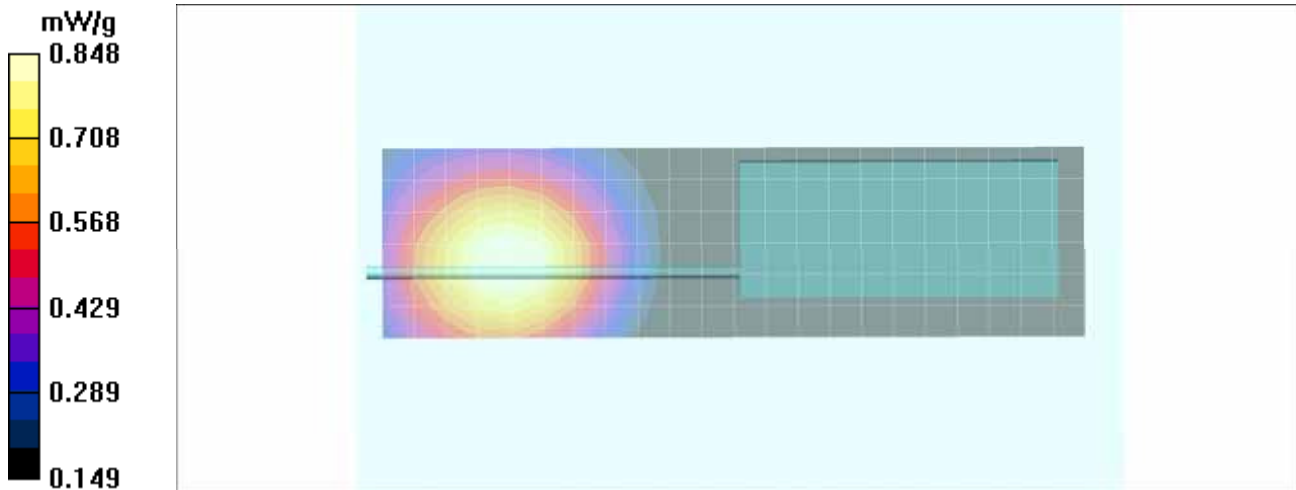
Reference Value = 7.29 V/m; Power Drift = -0.259 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

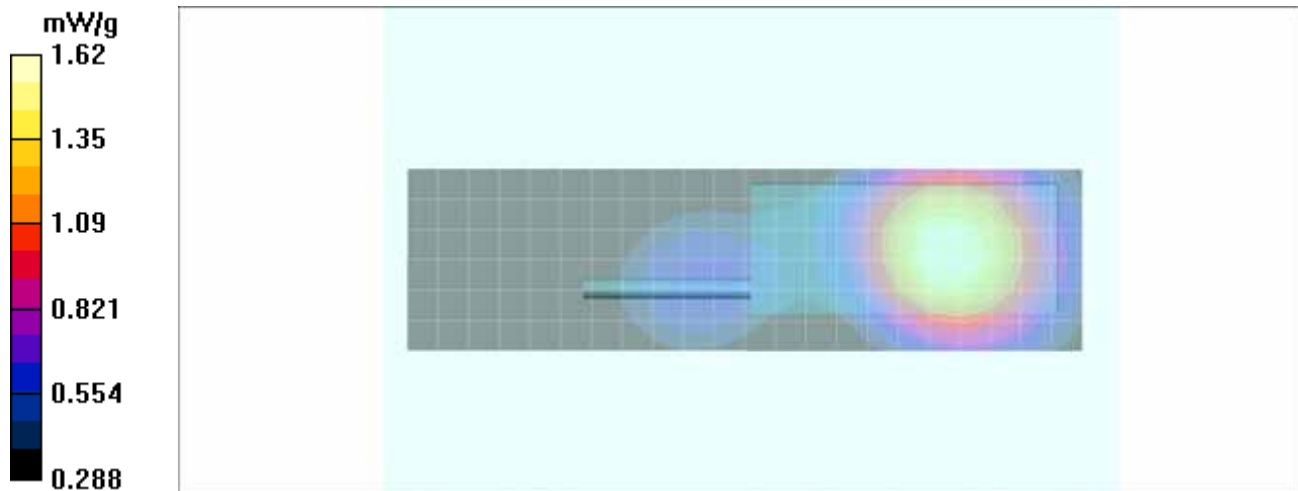
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

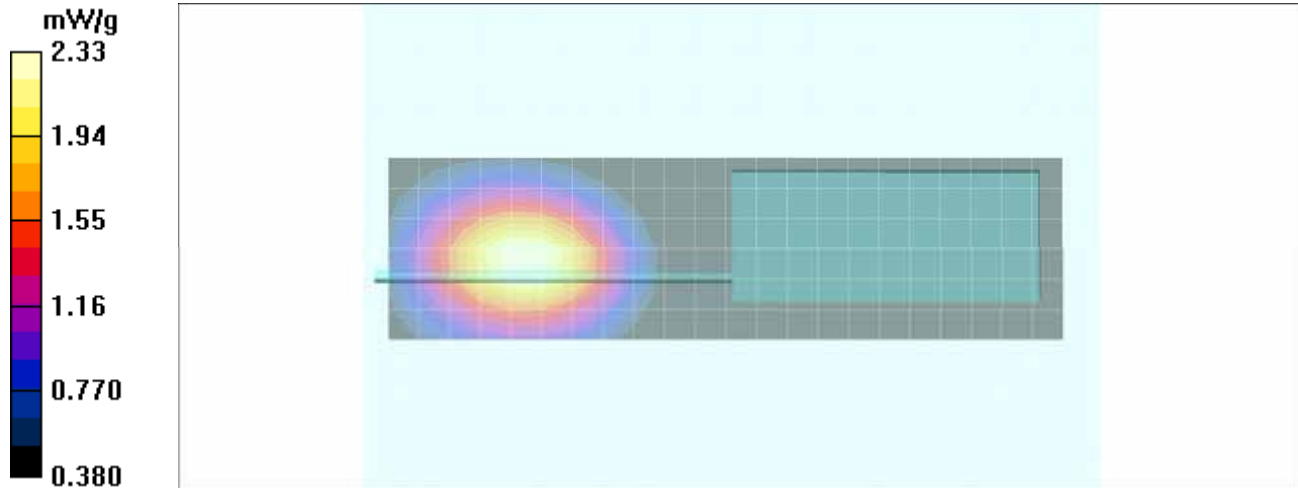
Reference Value = 11.7 V/m; Power Drift = -0.071 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

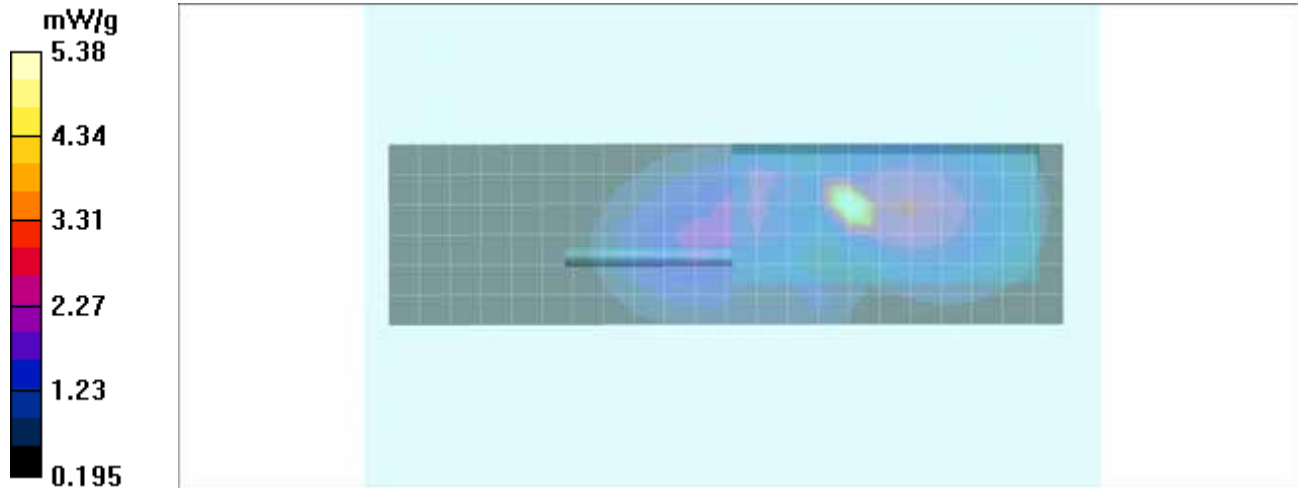
Reference Value = 44.7 V/m; Power Drift = -0.001 dB


Peak SAR (extrapolated) = 21.4 W/kg

SAR(1 g) = 5.24 mW/g; SAR(10 g) = 2.2 mW/g

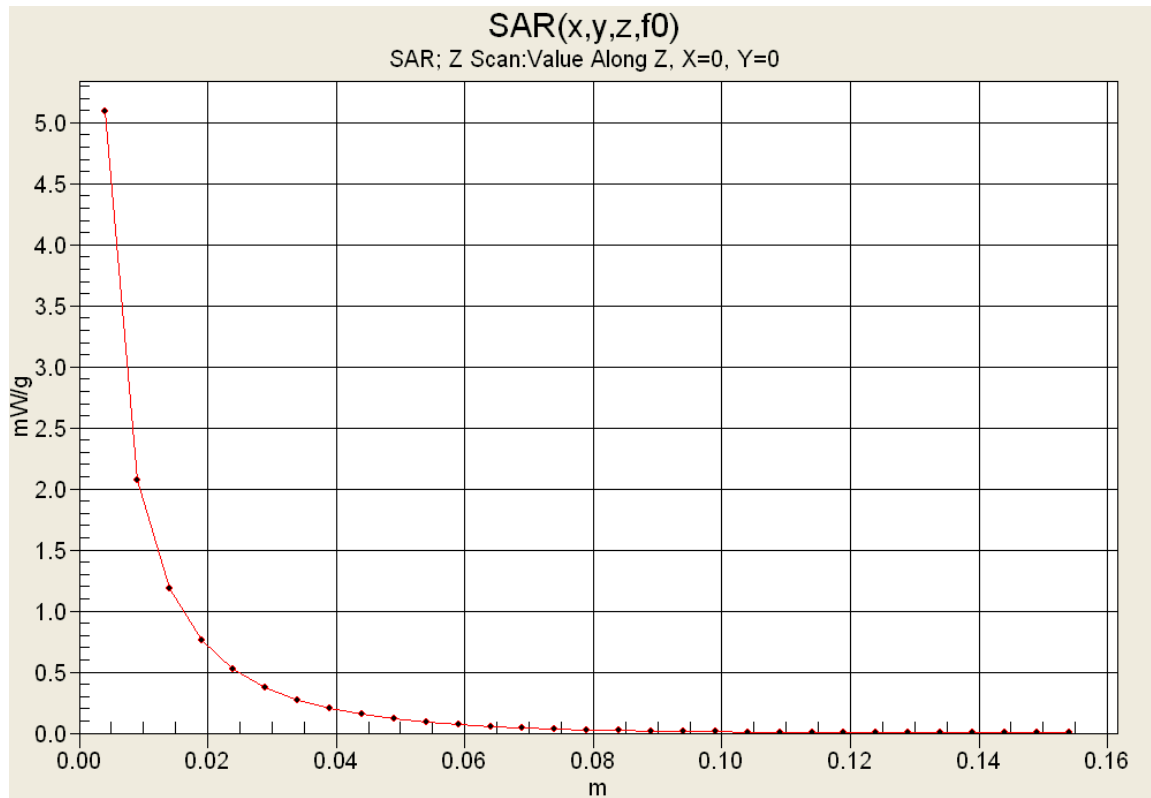
Info: Interpolated medium parameters used for SAR evaluation.



Maximum value of SAR (measured) = 5.38 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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Z-Axis Scan



	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

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

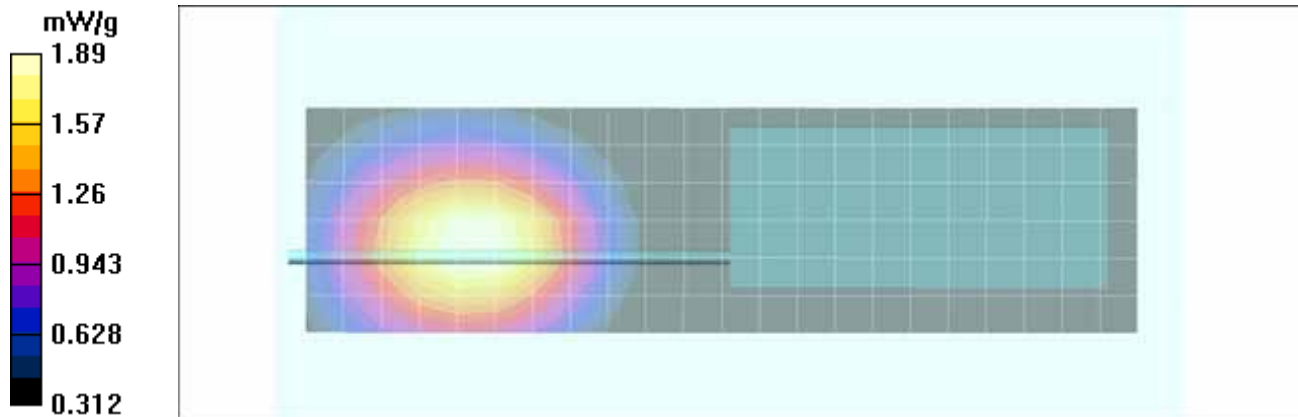
Reference Value = 9.37 V/m; Power Drift = -0.241 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> August 10, 2016	<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: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

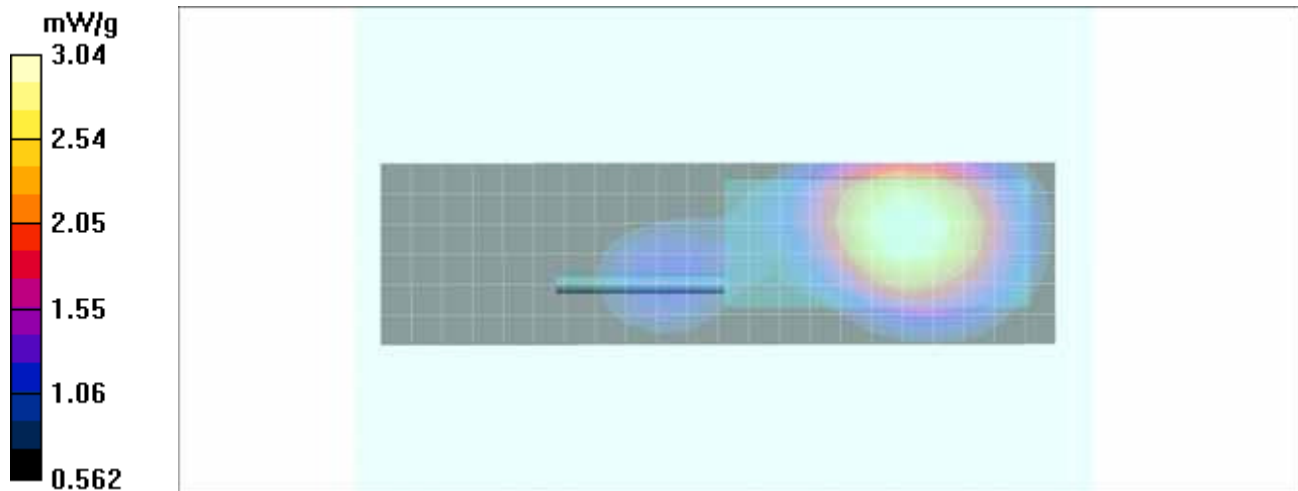
Reference Value = 31.7 V/m; Power Drift = -0.168 dB


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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

APPENDIX B - SYSTEM PERFORMANCE CHECK PLOTS

Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 09/04/2012

System Performance Check - 835 MHz Dipole - Body

DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d075; Calibrated: 04/20/2012

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

Communication System: CW

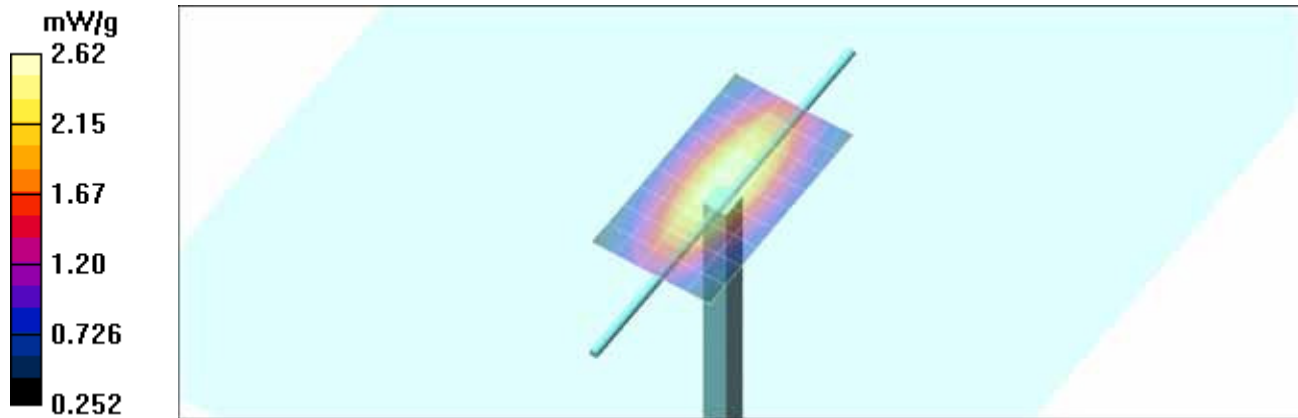
Frequency: 835 MHz; Duty Cycle: 1:1


Medium: M835 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 55.2$; $\rho = 1000 \text{ kg/m}^3$



- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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

Body d=15mm Pin=250mW/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (measured) = 2.48 mW/g

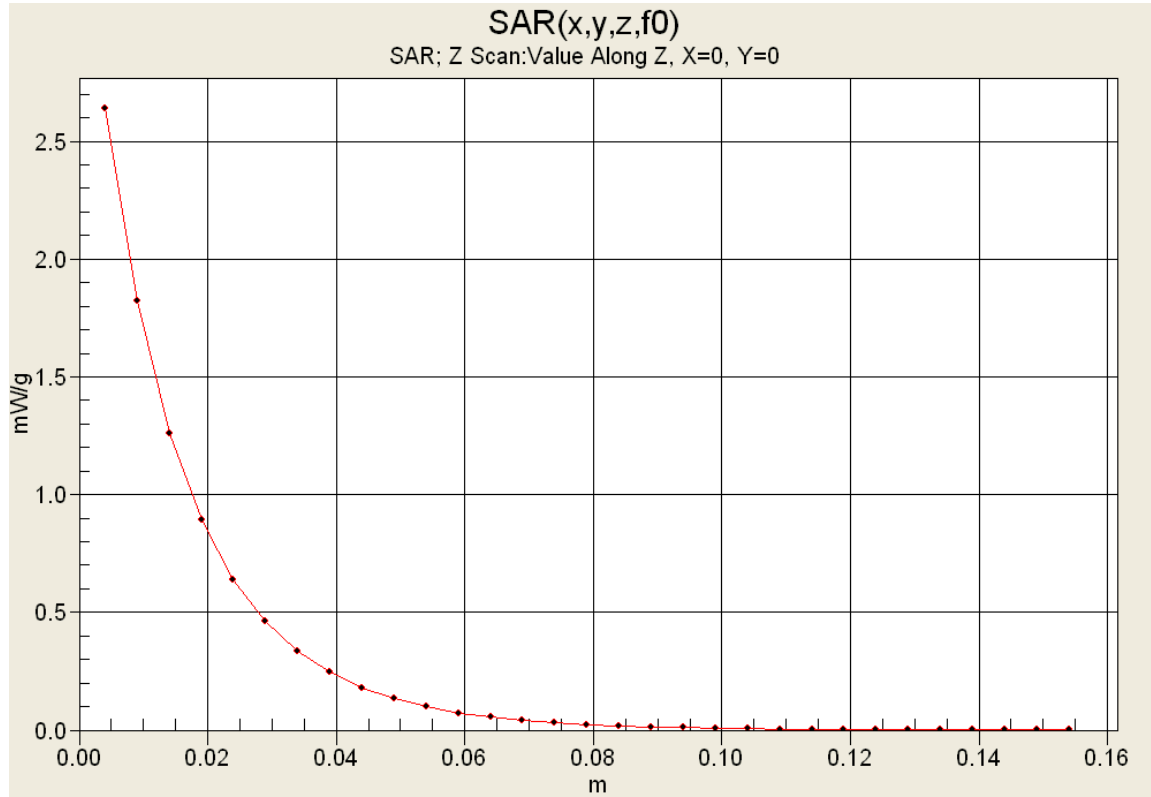
Body d=15mm Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 54.2 V/m; Power Drift = -0.011 dB
Peak SAR (extrapolated) = 3.45 W/kg
SAR(1 g) = 2.42 mW/g; SAR(10 g) = 1.6 mW/g
Maximum value of SAR (measured) = 2.62 mW/g






Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> August 10, 2016	<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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 09/07/2012

System Performance Check - 835 MHz Dipole - Body

DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d075; Calibrated: 04/20/2012

Ambient Temp: 23C; Fluid Temp: 22.5C; Barometric Pressure: 101.1 kPa; Humidity: 30%

Communication System: CW

Frequency: 835 MHz; Duty Cycle: 1:1

Medium: M835 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.96 \text{ mho/m}$; $\epsilon_r = 54.2$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.54, 6.54, 6.54); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- 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

Body d=15mm Pin=250mW/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

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

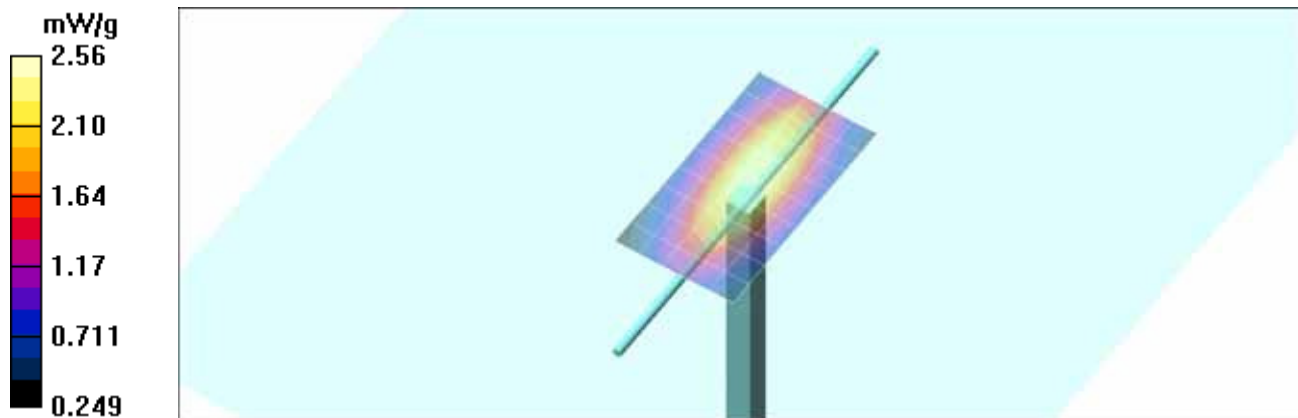
Body d=15mm Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm


Reference Value = 53.2 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 3.37 W/kg

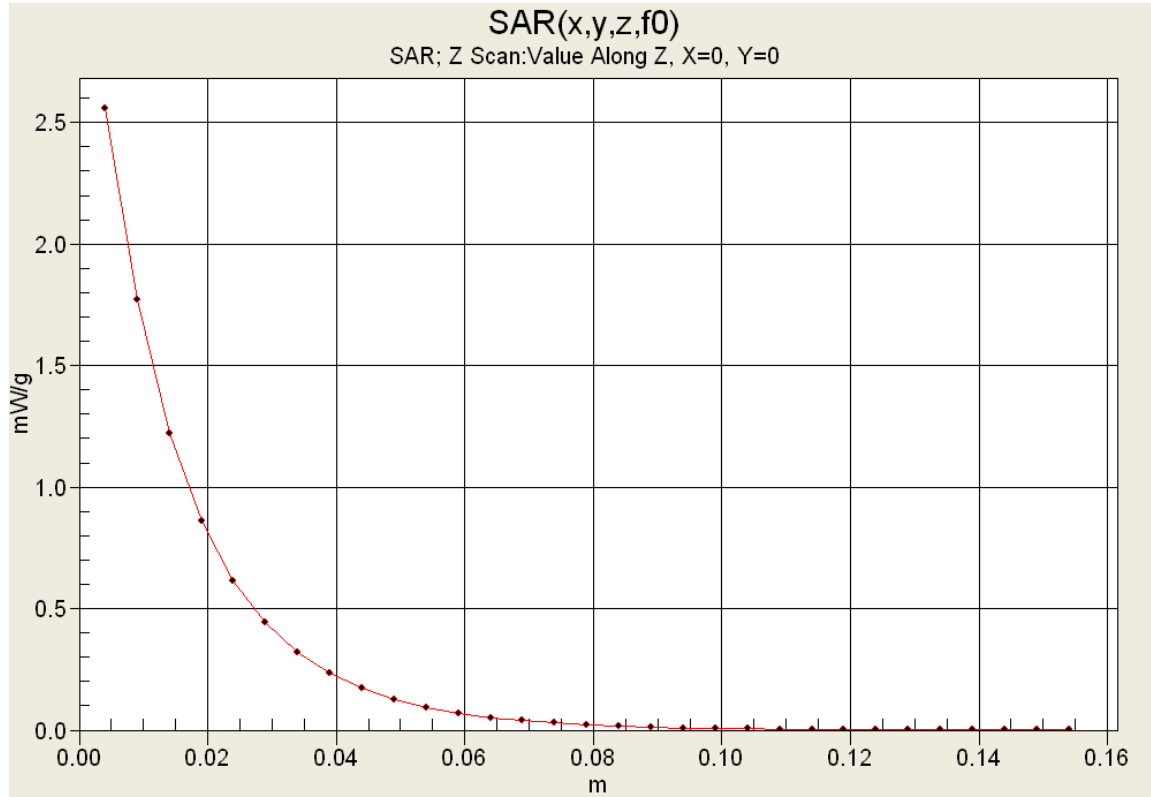
SAR(1 g) = 2.36 mW/g; SAR(10 g) = 1.56 mW/g



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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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Z-Axis Scan



	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

Date Tested: 09/07/2012

System Performance Check - 835 MHz Dipole - Head

DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d075; Calibrated: 04/20/2012

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

Communication System: CW

Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL835 Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 42.1$; $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(6.77, 6.77, 6.77); Calibrated: 24/04/2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: SAM 4.0; Type: Fiberglass; Serial: 1033
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Head d=15mm Pin=250mW/Area Scan (6x10x1): Measurement grid: dx=10mm, dy=10mm

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

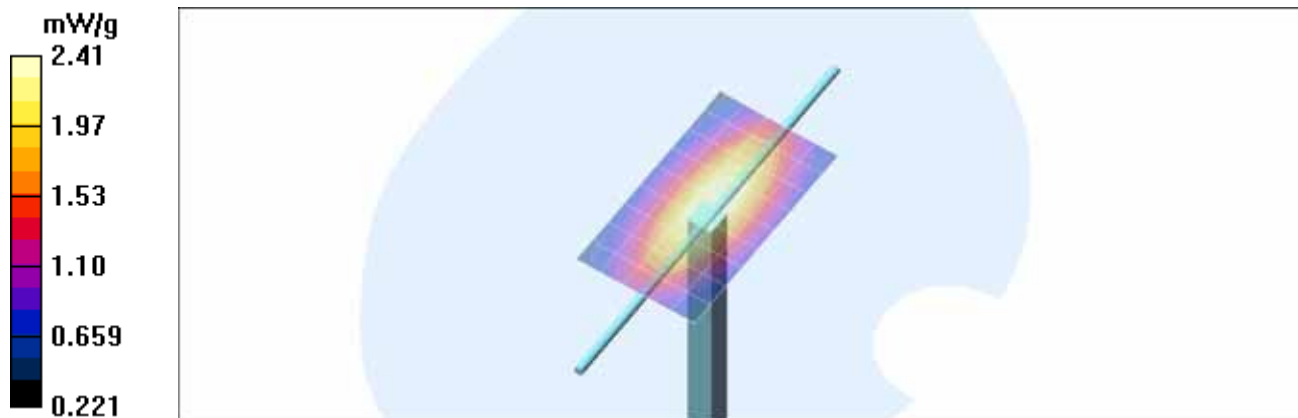
Head d=15mm Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm


Reference Value = 54.6 V/m; Power Drift = -0.016 dB



Peak SAR (extrapolated) = 3.20 W/kg

SAR(1 g) = 2.24 mW/g; SAR(10 g) = 1.47 mW/g

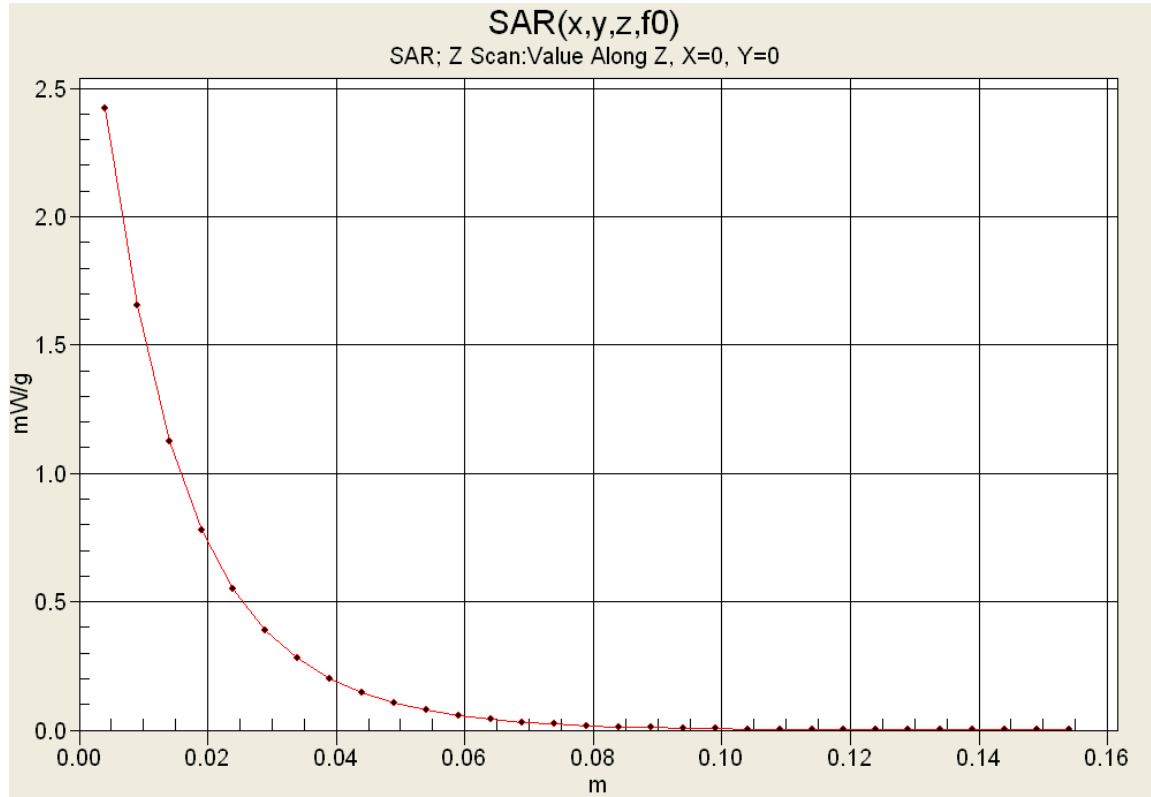
Maximum value of SAR (measured) = 2.41 mW/g






Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<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-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

APPENDIX C - MEASURED FLUID DIELECTRIC PARAMETERS


Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

835 MHz Body

Celltech Labs
 Test Result for UIM Dielectric Parameter
 04/Sep/2012
 Frequency (GHz)
 FCC_eB FCC Limits for Body Epsilon
 FCC_sB FCC Limits for Body Sigma
 Test_e Epsilon of UIM
 Test_s Sigma of UIM

Freq	FCC_eB	FCC_sB	Test_e	Test_s
0.7350	55.59	0.96	56.14	0.86
0.7450	55.55	0.96	56.01	0.88
0.7550	55.51	0.96	55.85	0.89
0.7650	55.47	0.96	55.68	0.91
0.7750	55.43	0.97	55.79	0.91
0.7850	55.39	0.97	55.70	0.92
0.7950	55.36	0.97	55.49	0.92
0.8050	55.32	0.97	55.31	0.93
0.8150	55.28	0.97	55.39	0.94
0.8250	55.24	0.97	55.42	0.96
0.8350	55.20	0.97	55.21	0.96
0.8450	55.17	0.98	54.87	0.96
0.8550	55.14	0.99	54.95	0.98
0.8650	55.11	1.01	54.78	1.00
0.8750	55.08	1.02	54.83	1.01
0.8850	55.05	1.03	54.81	1.02
0.8950	55.02	1.04	54.71	1.03
0.9050	55.00	1.05	54.39	1.05
0.9150	55.00	1.06	54.37	1.04
0.9250	54.98	1.06	54.40	1.06
0.9350	54.96	1.07	54.43	1.07


Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

835 MHz Body

Celltech Labs
 Test Result for UIM Dielectric Parameter
 05&06/Sep/2012
 Frequency (GHz)
 FCC_eB FCC Limits for Body Epsilon
 FCC_sB FCC Limits for Body Sigma
 Test_e Epsilon of UIM
 Test_s Sigma of UIM

Freq	FCC_eB	FCC_sB	Test_e	Test_s
0.7350	55.59	0.96	56.14	0.87
0.7450	55.55	0.96	56.05	0.89
0.7550	55.51	0.96	55.66	0.89
0.7650	55.47	0.96	55.91	0.91
0.7750	55.43	0.97	55.72	0.91
0.7850	55.39	0.97	55.62	0.93
0.7950	55.36	0.97	55.59	0.95
0.8050	55.32	0.97	55.11	0.95
0.8150	55.28	0.97	55.37	0.96
0.8250	55.24	0.97	55.37	0.96
0.8350	55.20	0.97	55.30	0.98
0.8450	55.17	0.98	55.18	0.98
0.8550	55.14	0.99	55.02	1.00
0.8650	55.11	1.01	55.08	1.00
0.8750	55.08	1.02	54.60	1.01
0.8850	55.05	1.03	54.70	1.02
0.8950	55.02	1.04	54.76	1.05
0.9050	55.00	1.05	54.66	1.05
0.9150	55.00	1.06	54.55	1.06
0.9250	54.98	1.06	54.45	1.07
0.9350	54.96	1.07	54.11	1.08


Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

835 MHz Body

Celltech Labs
Test Result for UIM Dielectric Parameter
07/Sep/2012
Frequency (GHz)
FCC_eB FCC Limits for Body Epsilon
FCC_sB FCC Limits for Body Sigma
Test_e Epsilon of UIM
Test_s Sigma of UIM

Freq	FCC_eB	FCC_sB	Test_e	Test_s
0.7350	55.59	0.96	54.88	0.85
0.7450	55.55	0.96	55.28	0.88
0.7550	55.51	0.96	55.00	0.88
0.7650	55.47	0.96	54.83	0.89
0.7750	55.43	0.97	54.87	0.90
0.7850	55.39	0.97	54.95	0.91
0.7950	55.36	0.97	54.80	0.93
0.8050	55.32	0.97	54.37	0.94
0.8150	55.28	0.97	54.66	0.95
0.8250	55.24	0.97	54.37	0.95
0.8350	55.20	0.97	54.24	0.96
0.8450	55.17	0.98	54.23	0.98
0.8550	55.14	0.99	53.82	0.98
0.8650	55.11	1.01	53.93	0.99
0.8750	55.08	1.02	53.63	1.00
0.8850	55.05	1.03	53.66	1.03
0.8950	55.02	1.04	53.69	1.03
0.9050	55.00	1.05	53.31	1.03
0.9150	55.00	1.06	53.66	1.05
0.9250	54.98	1.06	53.30	1.06
0.9350	54.96	1.07	53.25	1.06

Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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	<u>Date(s) of Evaluation</u> September 04-07, 2012	<u>Test Report Serial No.</u> 46451355-1R1.1	<u>Test Report Revision No.</u> Rev. 1.0	
	<u>Test Report Issue Date</u> August 10, 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	


835 MHz Head

Celltech Labs
Test Result for UIM Dielectric Parameter
07/Sep/2012
Frequency (GHz)

FCC_eHFCC OET 65 Supplement C (June 2001) Limits for Head Epsilon
FCC_sHFCC OET 65 Supplement C (June 2001) Limits for Head Sigma

Test_e Epsilon of UIM
Test_s Sigma of UIM

Freq	FCC_eHFCC_sH	Test_e	Test_s
0.7350	42.02	0.89	42.95 0.78
0.7450	41.97	0.89	43.20 0.80
0.7550	41.92	0.89	43.18 0.81
0.7650	41.86	0.89	42.59 0.82
0.7750	41.81	0.90	42.79 0.84
0.7850	41.76	0.90	42.58 0.85
0.7950	41.71	0.90	42.52 0.85
0.8050	41.66	0.90	42.49 0.87
0.8150	41.60	0.90	42.57 0.88
0.8250	41.55	0.90	42.24 0.88
0.8350	41.50	0.90	42.07 0.88
0.8450	41.50	0.91	41.87 0.91
0.8550	41.50	0.92	41.74 0.92
0.8650	41.50	0.93	41.39 0.92
0.8750	41.50	0.94	41.06 0.93
0.8850	41.50	0.95	41.44 0.94
0.8950	41.50	0.96	41.13 0.95
0.9050	41.50	0.97	41.08 0.95
0.9150	41.50	0.98	40.97 0.98
0.9250	41.48	0.98	40.76 0.97
0.9350	41.46	0.99	40.96 0.98

Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0140-E	IC:	3636B-0140	
DUT Type:	Portable 700/800-Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P 7/800			
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