



	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

**APPENDIX A - SAR MEASUREMENT PLOTS**

<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot F1

Date Tested: 05/31/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 22C; Fluid Temp: 22.0C; Barometric Pressure: 102.5 kPa; Humidity: 32%

Communication System: UHF-L

Frequency: 408 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated):  $f = 408 \text{ MHz}$ ;  $\sigma = 0.836 \text{ mho/m}$ ;  $\epsilon_r = 45.7$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.53, 7.53, 7.53); Calibrated: 24/04/2013
- 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

**408 - Li-poly - 1219/10/Area Scan (7x24x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.22 mW/g

**408 - Li-poly - 1219/10/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

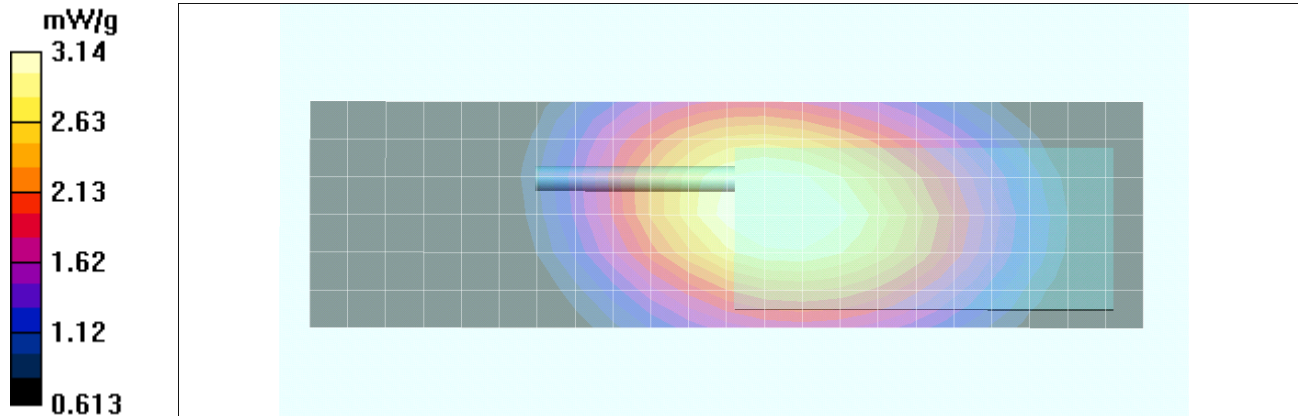
Reference Value = 62.6 V/m; Power Drift = -0.307 dB


Peak SAR (extrapolated) = 4.05 W/kg



**SAR(1 g) = 3.01 mW/g; SAR(10 g) = 2.27 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

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



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot F2

Date Tested: 05/31/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 22C; Fluid Temp: 22.0C; Barometric Pressure: 102.5 kPa; Humidity: 32%

Communication System: UHF-L

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used:  $f = 470 \text{ MHz}$ ;  $\sigma = 0.89 \text{ mho/m}$ ;  $\epsilon_r = 44.7$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.53, 7.53, 7.53); Calibrated: 24/04/2013
- 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

**470 - Li-poly - 1219/12/Area Scan (7x24x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 3.93 mW/g

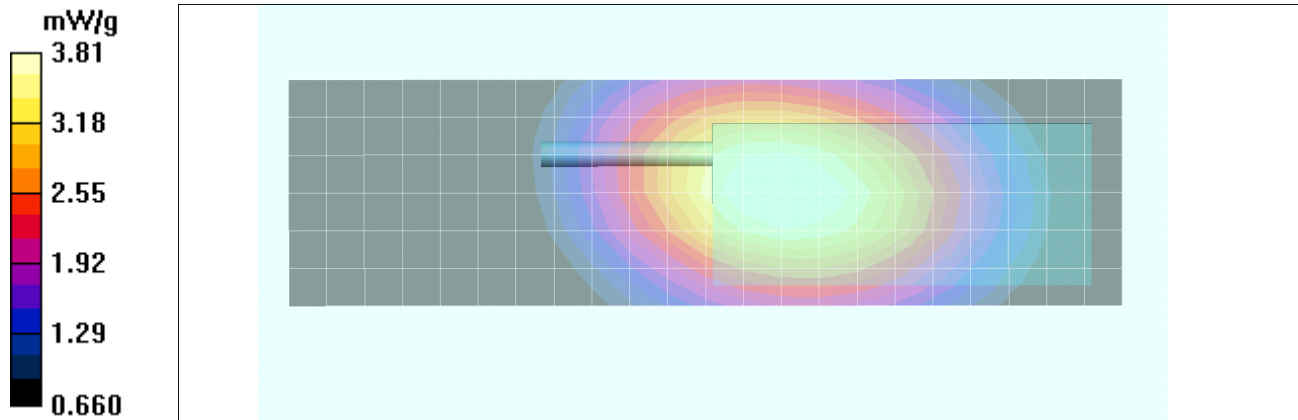
**470 - Li-poly - 1219/12/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$


Reference Value = 64.7 V/m; Power Drift = -0.339 dB



Peak SAR (extrapolated) = 4.95 W/kg

**SAR(1 g) = 3.63 mW/g; SAR(10 g) = 2.7 mW/g**

Maximum value of SAR (measured) = 3.81 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

### Plot F3

Date Tested: 05/31/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 22C; Fluid Temp: 22.0C; Barometric Pressure: 102.5 kPa; Humidity: 32%

Communication System: UHF-L

Frequency: 408 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated):  $f = 408 \text{ MHz}$ ;  $\sigma = 0.836 \text{ mho/m}$ ;  $\epsilon_r = 45.7$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.53, 7.53, 7.53); Calibrated: 24/04/2013
- 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

**408 - Li-poly - 1223/10/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) = 2.76 mW/g

**408 - Li-poly - 1223/10/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

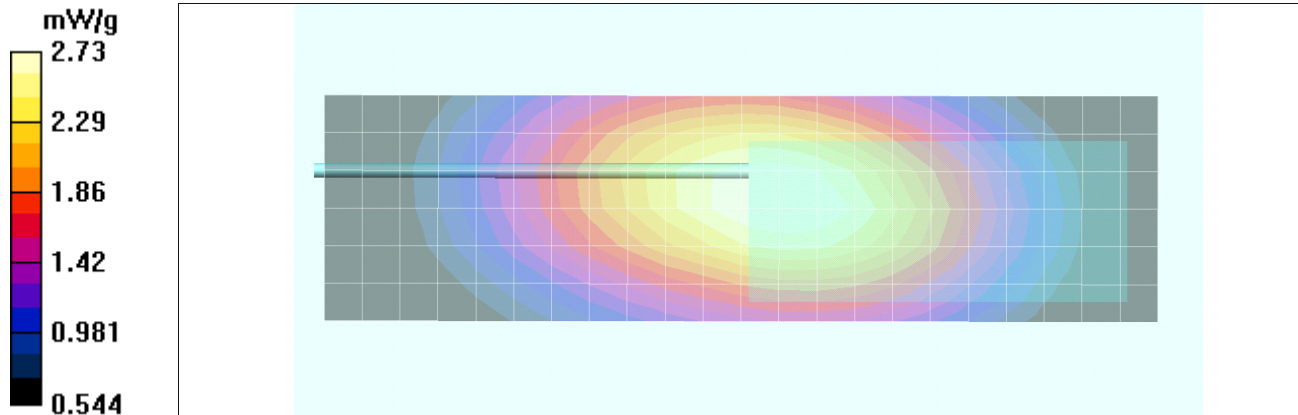
Reference Value = 57.7 V/m; Power Drift = -0.140 dB


Peak SAR (extrapolated) = 3.52 W/kg



**SAR(1 g) = 2.62 mW/g; SAR(10 g) = 1.98 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

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



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot F4

Date Tested: 05/31/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 22C; Fluid Temp: 22.0C; Barometric Pressure: 102.5 kPa; Humidity: 32%

Communication System: UHF-L

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used:  $f = 470 \text{ MHz}$ ;  $\sigma = 0.89 \text{ mho/m}$ ;  $\epsilon_r = 44.7$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.53, 7.53, 7.53); Calibrated: 24/04/2013
- 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

**470 - Li-poly - 1223/12/Area Scan (7x24x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

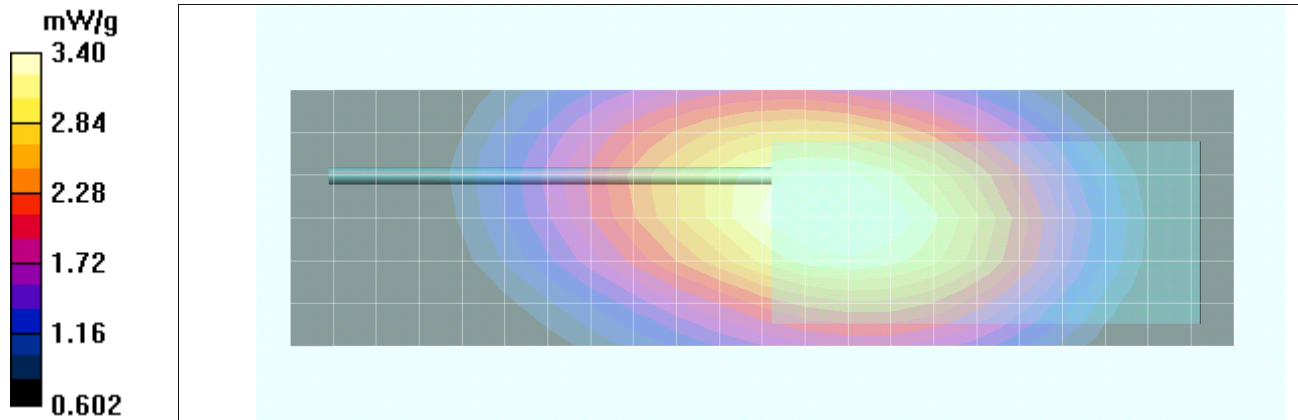
**470 - Li-poly - 1223/12/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$


Reference Value = 61.6 V/m; Power Drift = -0.190 dB



Peak SAR (extrapolated) = 4.42 W/kg

**SAR(1 g) = 3.26 mW/g; SAR(10 g) = 2.43 mW/g**

Maximum value of SAR (measured) = 3.40 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot F5

Date Tested: 05/31/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 22C; Fluid Temp: 22.0C; Barometric Pressure: 102.5 kPa; Humidity: 32%

Communication System: UHF-L

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used:  $f = 470 \text{ MHz}$ ;  $\sigma = 0.89 \text{ mho/m}$ ;  $\epsilon_r = 44.7$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.53, 7.53, 7.53); Calibrated: 24/04/2013
- 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

**470 - NiMH NIS - 1219/12/Area Scan (7x24x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 4.06 mW/g

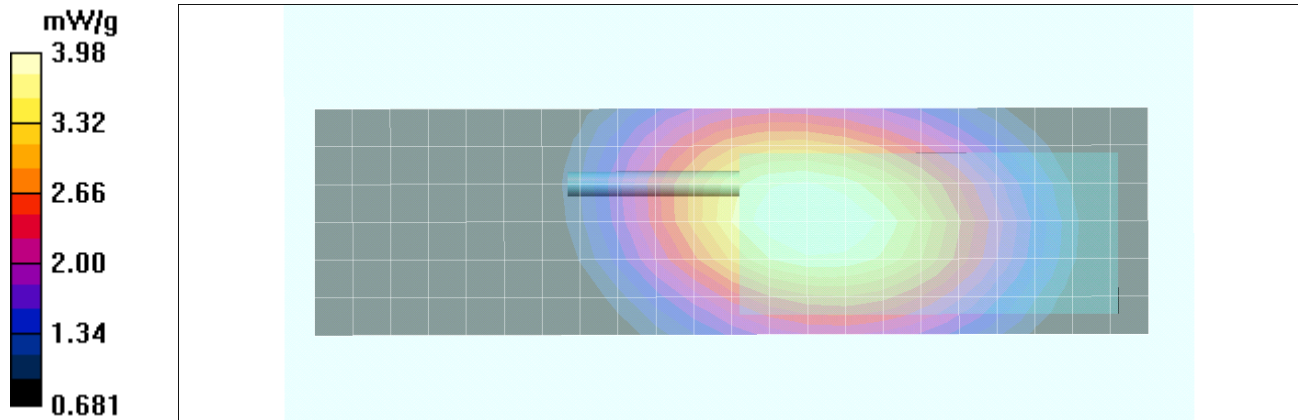
**470 - NiMH NIS - 1219/12/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$


Reference Value = 65.7 V/m; Power Drift = -0.342 dB



Peak SAR (extrapolated) = 5.16 W/kg

**SAR(1 g) = 3.79 mW/g; SAR(10 g) = 2.82 mW/g**

Maximum value of SAR (measured) = 3.98 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot F6

Date Tested: 05/31/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 22C; Fluid Temp: 22.0C; Barometric Pressure: 102.5 kPa; Humidity: 32%

Communication System: UHF-L

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used:  $f = 470 \text{ MHz}$ ;  $\sigma = 0.89 \text{ mho/m}$ ;  $\epsilon_r = 44.7$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.53, 7.53, 7.53); Calibrated: 24/04/2013
- 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

**470 - NiMH IS - 1219/12/Area Scan (7x24x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 4.02 mW/g

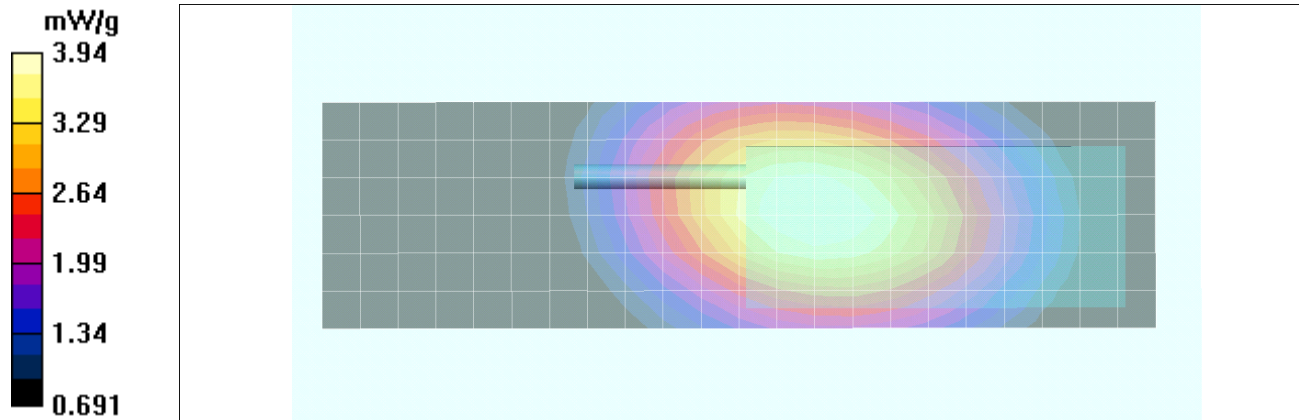
**470 - NiMH IS - 1219/12/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$


Reference Value = 65.6 V/m; Power Drift = -0.276 dB



Peak SAR (extrapolated) = 5.11 W/kg

**SAR(1 g) = 3.76 mW/g; SAR(10 g) = 2.8 mW/g**

Maximum value of SAR (measured) = 3.94 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot F7

Date Tested: 05/31/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 22C; Fluid Temp: 22.0C; Barometric Pressure: 102.5 kPa; Humidity: 32%

Communication System: UHF-L

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used:  $f = 470 \text{ MHz}$ ;  $\sigma = 0.89 \text{ mho/m}$ ;  $\epsilon_r = 44.7$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.53, 7.53, 7.53); Calibrated: 24/04/2013
- 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

**470 - Li-ion - 1219/12/Area Scan (7x24x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 4.08 mW/g

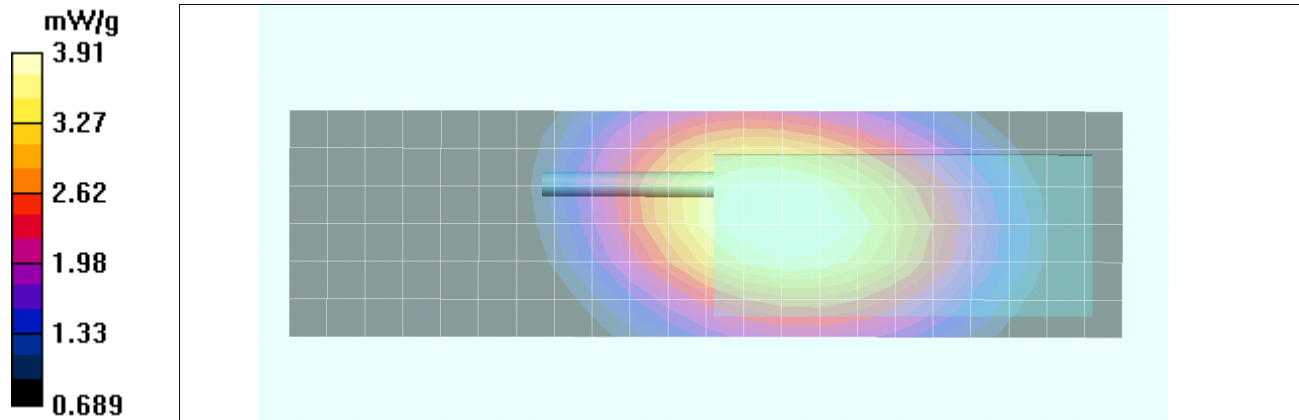
**470 - Li-ion - 1219/12/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$


Reference Value = 66.3 V/m; Power Drift = -0.450 dB

Peak SAR (extrapolated) = 5.07 W/kg



**SAR(1 g) = 3.74 mW/g; SAR(10 g) = 2.8 mW/g**

Maximum value of SAR (measured) = 3.91 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot F8

Date Tested: 05/31/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50**

Program Notes: Ambient Temp: 22C; Fluid Temp: 22.0C; Barometric Pressure: 102.5 kPa; Humidity: 32%

Communication System: UHF-L

Frequency: 408 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated):  $f = 408 \text{ MHz}$ ;  $\sigma = 0.836 \text{ mho/m}$ ;  $\epsilon_r = 45.7$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.53, 7.53, 7.53); Calibrated: 24/04/2013
- 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

**SCAN - 408 - Li-poly - 1219/10/Area Scan (7x24x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.27 mW/g

**SCAN - 408 - Li-poly - 1219/10/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

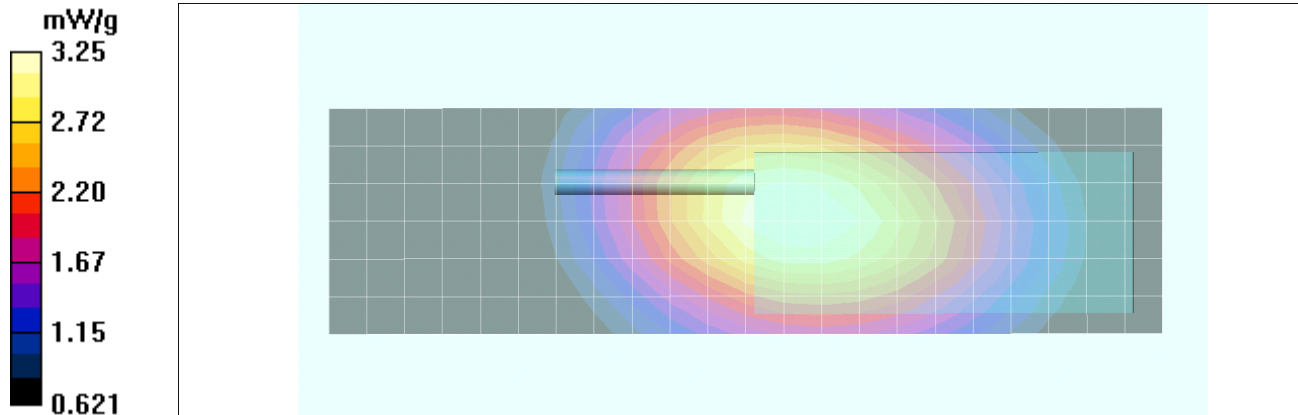
Reference Value = 63.0 V/m; Power Drift = -0.231 dB


Peak SAR (extrapolated) = 4.18 W/kg



**SAR(1 g) = 3.11 mW/g; SAR(10 g) = 2.34 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.25 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot F9

Date Tested: 05/31/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50**

Program Notes: Ambient Temp: 22C; Fluid Temp: 22.0C; Barometric Pressure: 102.5 kPa; Humidity: 32%

Communication System: UHF-L

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used:  $f = 470 \text{ MHz}$ ;  $\sigma = 0.89 \text{ mho/m}$ ;  $\epsilon_r = 44.7$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.53, 7.53, 7.53); Calibrated: 24/04/2013
- 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

**SCAN - 470 - NiMH NIS - 1219/12/Area Scan (7x24x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

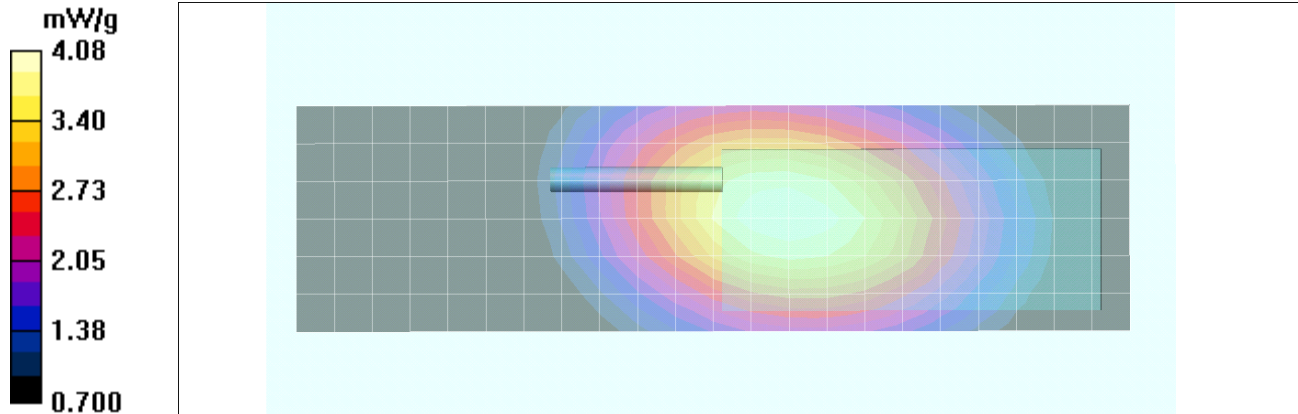
Maximum value of SAR (measured) = 4.08 mW/g


**SCAN - 470 - NiMH NIS - 1219/12/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$



Reference Value = 66.0 V/m; Power Drift = -0.142 dB

Peak SAR (extrapolated) = 5.28 W/kg

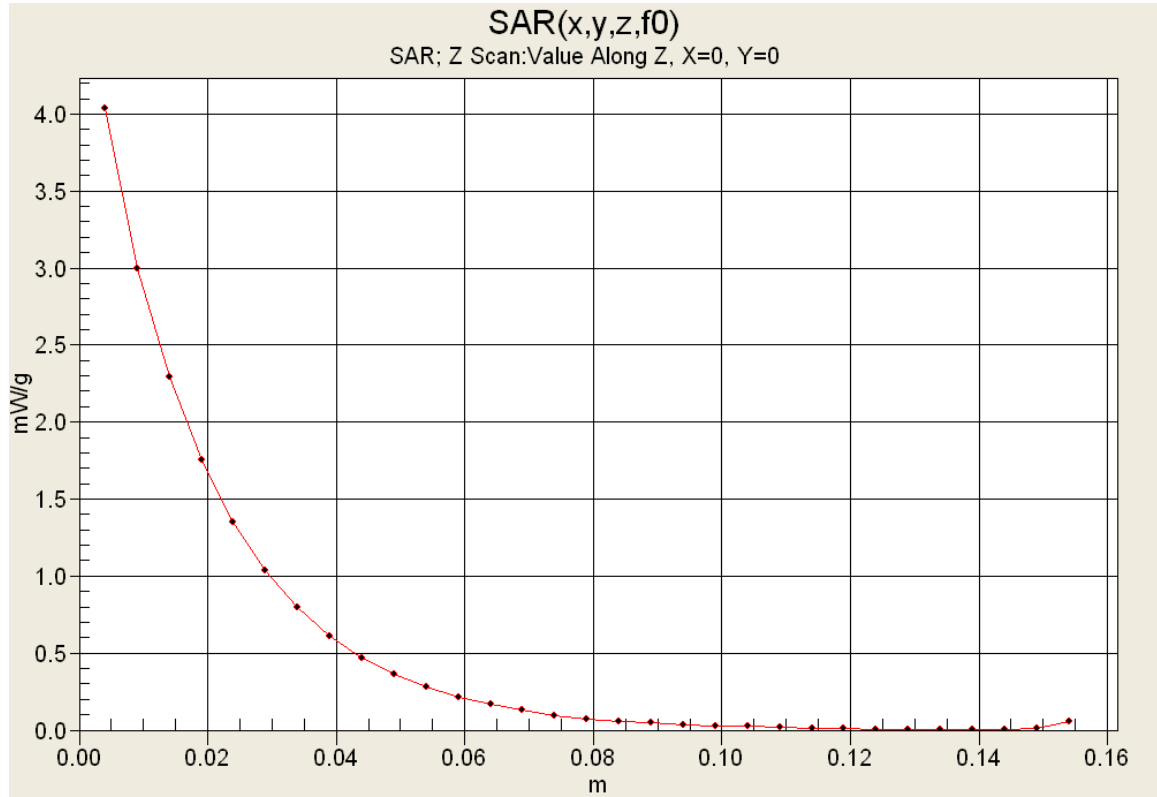
**SAR(1 g) = 3.86 mW/g; SAR(10 g) = 2.88 mW/g**






<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Z-Axis Scan



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	YG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot F10

Date Tested: 05/31/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50**

Program Notes: Ambient Temp: 22C; Fluid Temp: 22.0C; Barometric Pressure: 102.5 kPa; Humidity: 32%

Communication System: UHF-L

Frequency: 408 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated):  $f = 408 \text{ MHz}$ ;  $\sigma = 0.836 \text{ mho/m}$ ;  $\epsilon_r = 45.7$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.53, 7.53, 7.53); Calibrated: 24/04/2013
- 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

**SCAN - 408 - Li-poly - 1223/10/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) = 2.74 mW/g

**SCAN - 408 - Li-poly - 1223/10/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

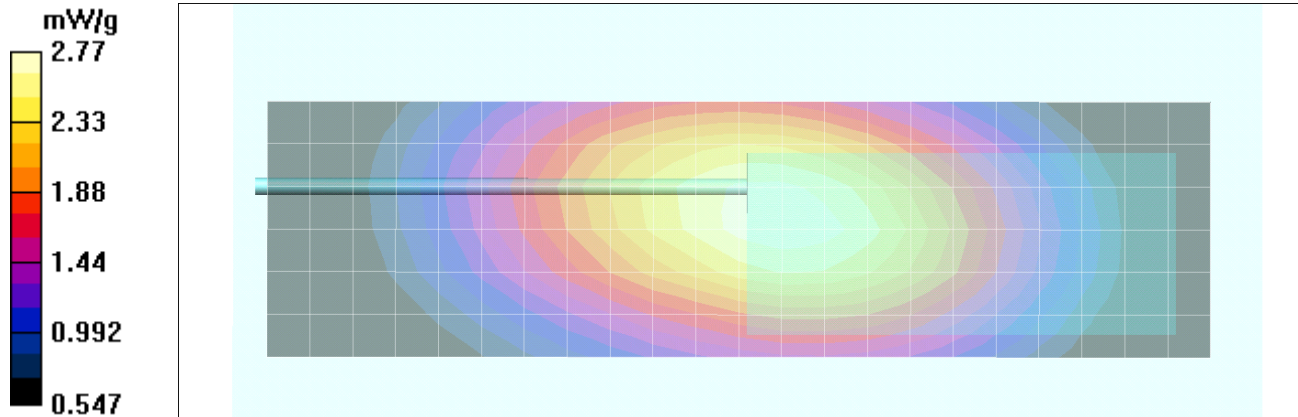
Reference Value = 57.4 V/m; Power Drift = -0.068 dB


Peak SAR (extrapolated) = 3.56 W/kg



**SAR(1 g) = 2.66 mW/g; SAR(10 g) = 2.01 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.77 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot F11

Date Tested: 05/31/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50**

Program Notes: Ambient Temp: 22C; Fluid Temp: 22.0C; Barometric Pressure: 102.5 kPa; Humidity: 32%

Communication System: UHF-L

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used:  $f = 470 \text{ MHz}$ ;  $\sigma = 0.89 \text{ mho/m}$ ;  $\epsilon_r = 44.7$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.53, 7.53, 7.53); Calibrated: 24/04/2013
- 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

**SCAN - 470 - Li-Poly - 1223/12/Area Scan (7x24x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 3.52 mW/g

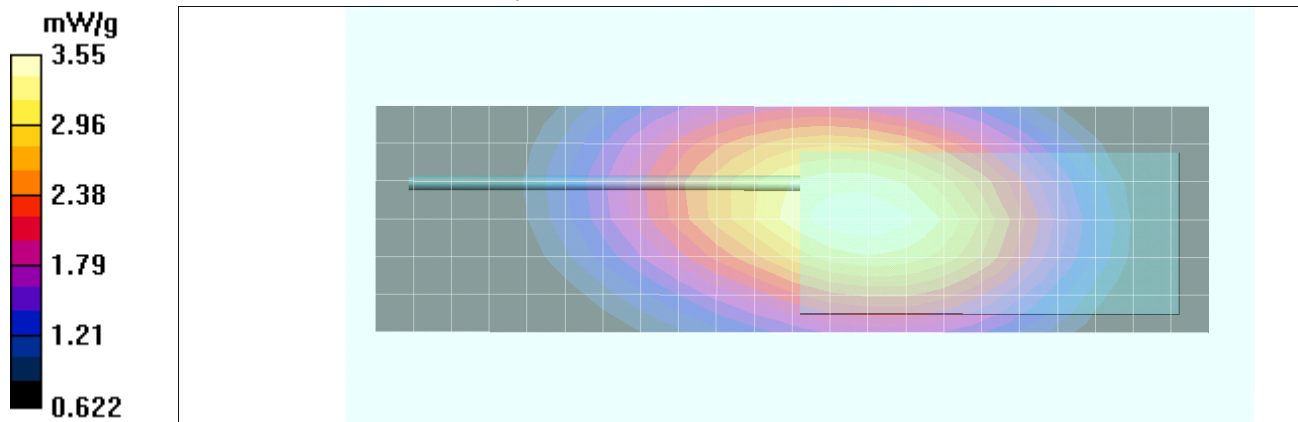
**SCAN - 470 - Li-Poly - 1223/12/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$


Reference Value = 61.1 V/m; Power Drift = 0.005 dB



Peak SAR (extrapolated) = 4.61 W/kg

**SAR(1 g) = 3.39 mW/g; SAR(10 g) = 2.52 mW/g**

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



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

**Plot B1**

Date Tested: 06/03/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.8C; Barometric Pressure: 101.7 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 408 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated):  $f = 408 \text{ MHz}$ ;  $\sigma = 0.908 \text{ mho/m}$ ;  $\epsilon_r = 58.2$ ;  $\rho = 1000 \text{ kg/m}^3$

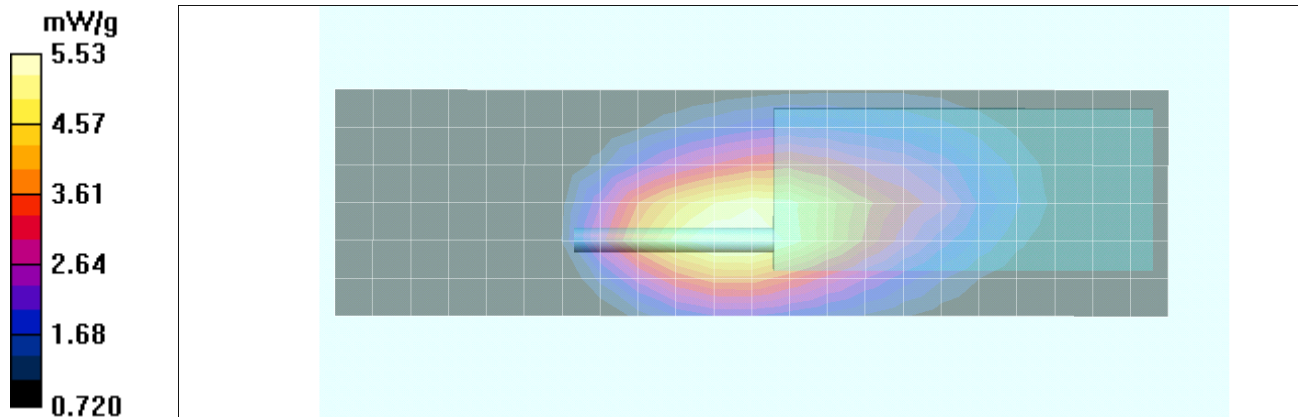
- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 19/04/2012
- Phantom: Barski Industries; Type: Fiberglass Planar; Serial: 03-01
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186



**408 - Li-poly - 1219/10 - Belt-Clip/Area Scan (7x23x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 5.65 mW/g

**408 - Li-poly - 1219/10 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 73.3 V/m; Power Drift = -0.392 dB  
Peak SAR (extrapolated) = 7.82 W/kg  
**SAR(1 g) = 5.24 mW/g; SAR(10 g) = 3.7 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 5.53 mW/g



	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B2

Date Tested: 06/03/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.8C; Barometric Pressure: 101.7 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used:  $f = 470 \text{ MHz}$ ;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon_r = 56.9$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**470 - Li-poly - 1219/12 - Belt-Clip/Area Scan (7x23x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 8.92 mW/g

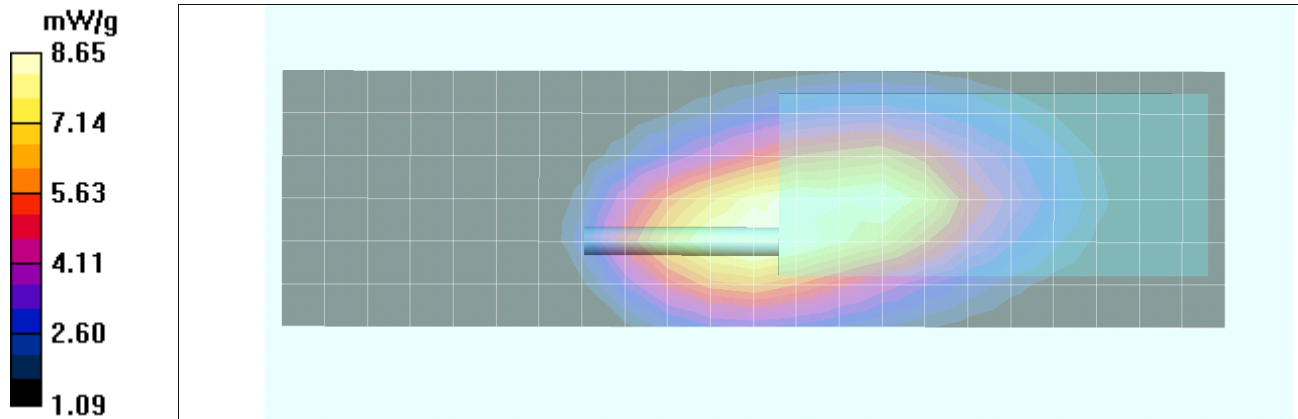
**470 - Li-poly - 1219/12 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm


Reference Value = 90.4 V/m; Power Drift = -0.257 dB

Peak SAR (extrapolated) = 12.3 W/kg

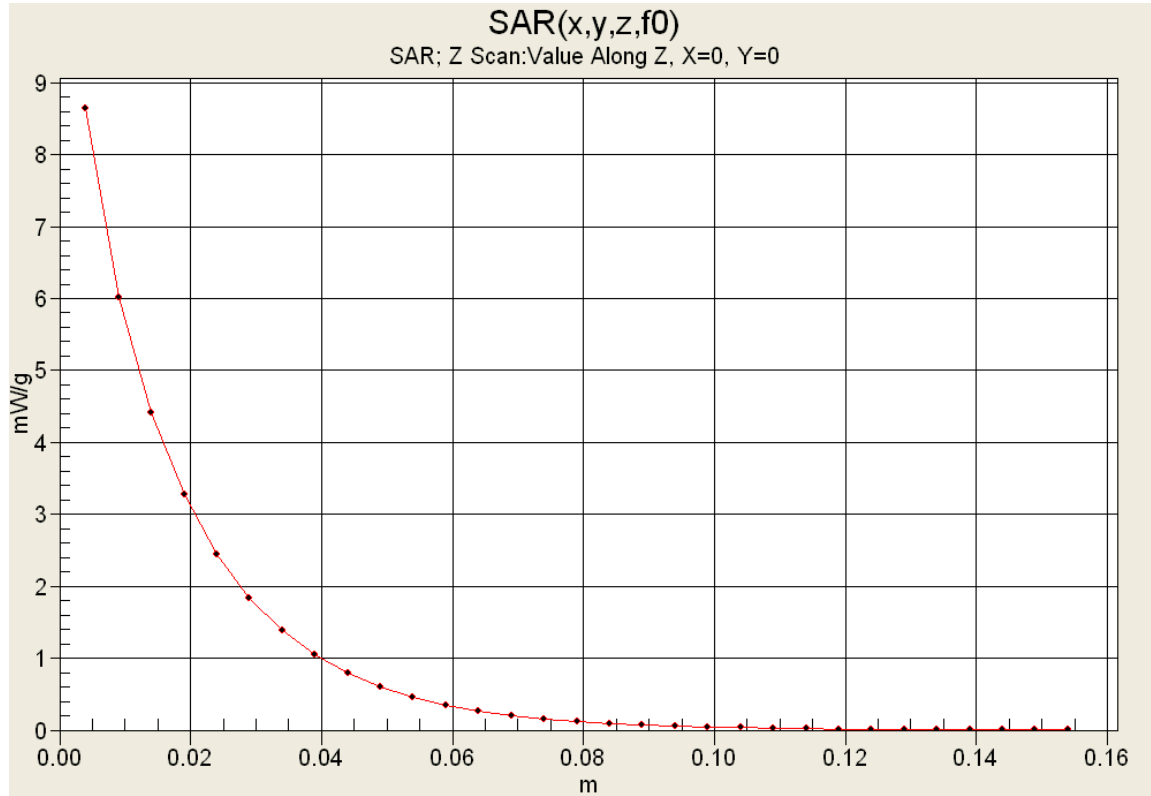
**SAR(1 g) = 8.25 mW/g; SAR(10 g) = 5.83 mW/g**

Maximum value of SAR (measured) = 8.65 mW/g





<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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### Z-Axis Scan





	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

### Plot B3

Date Tested: 06/04/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 458 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated):  $f = 458 \text{ MHz}$ ;  $\sigma = 0.956 \text{ mho/m}$ ;  $\epsilon_r = 57.4$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**458 - Li-poly - 1219/12 - Belt-Clip/Area Scan (7x23x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 8.79 mW/g

**458 - Li-poly - 1219/12 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

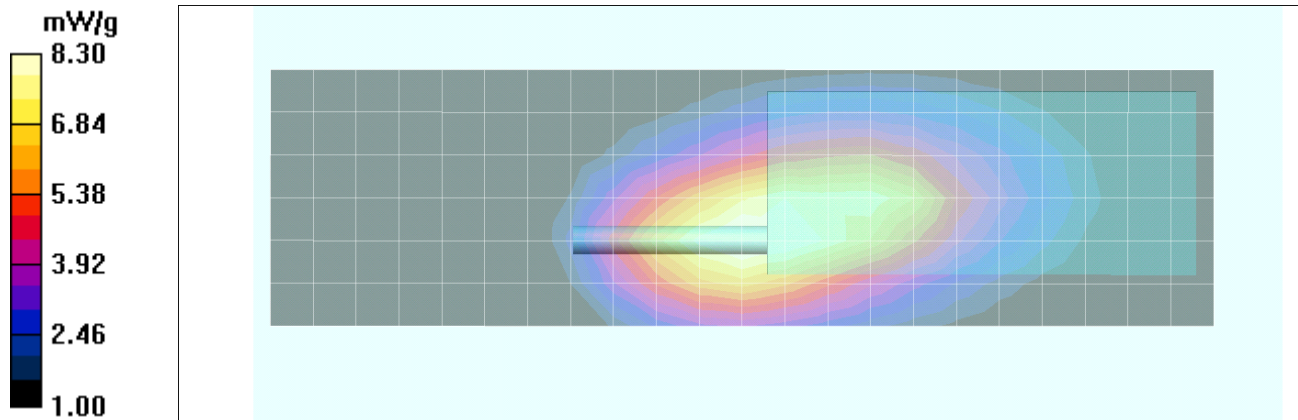
Reference Value = 85.2 V/m; Power Drift = -0.418 dB


Peak SAR (extrapolated) = 11.7 W/kg



**SAR(1 g) = 7.85 mW/g; SAR(10 g) = 5.53 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 8.30 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B4

Date Tested: 06/03/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.8C; Barometric Pressure: 101.7 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 408 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated):  $f = 408 \text{ MHz}$ ;  $\sigma = 0.908 \text{ mho/m}$ ;  $\epsilon_r = 58.2$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**408 - Li-poly - 1223/10 - Belt-Clip/Area Scan (7x23x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.89 mW/g

**408 - Li-poly - 1223/10 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

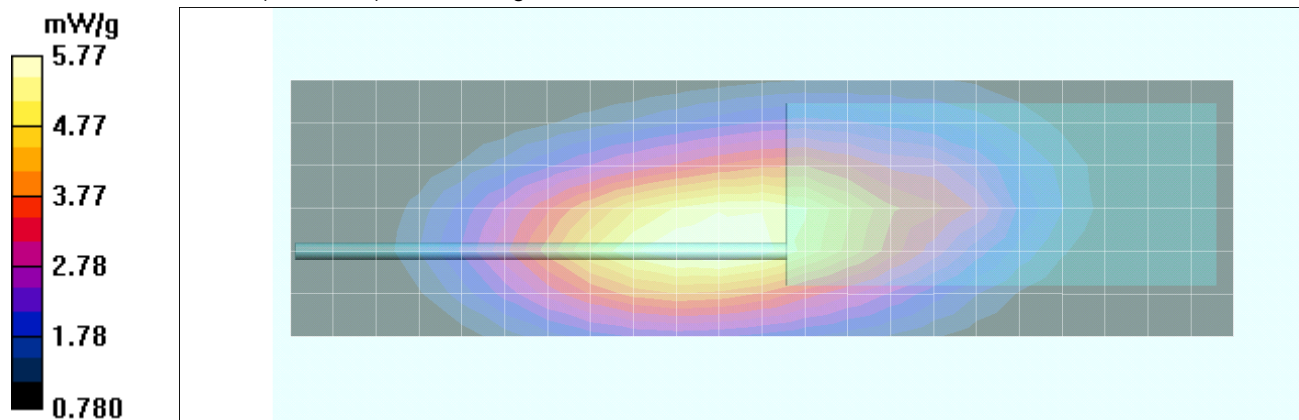
Reference Value = 72.9 V/m; Power Drift = -0.132 dB


Peak SAR (extrapolated) = 8.16 W/kg



**SAR(1 g) = 5.51 mW/g; SAR(10 g) = 3.9 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.77 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B5

Date Tested: 06/04/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

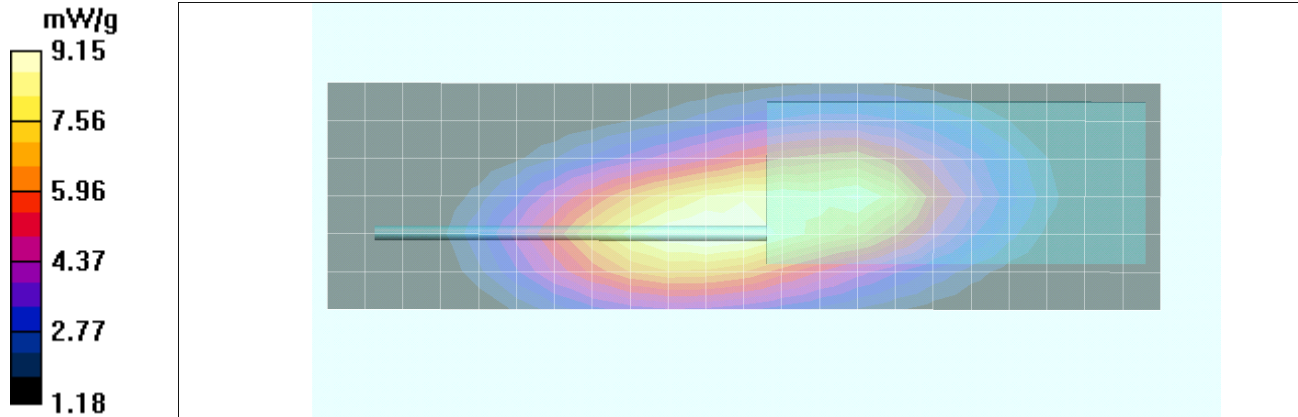
Frequency: 470 MHz; Duty Cycle: 1:1


Medium: M450 Medium parameters used:  $f = 470 \text{ MHz}$ ;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon_r = 56.9$ ;  $\rho = 1000 \text{ kg/m}^3$



- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**470 - Li-poly - 1223/12 - Belt-Clip/Area Scan (7x23x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (measured) = 9.53 mW/g

**470 - Li-poly - 1223/12 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 91.7 V/m; Power Drift = -0.340 dB  
Peak SAR (extrapolated) = 13.0 W/kg  
**SAR(1 g) = 8.71 mW/g; SAR(10 g) = 6.1 mW/g**  
Maximum value of SAR (measured) = 9.15 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B6

Date Tested: 06/04/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 458 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated):  $f = 458 \text{ MHz}$ ;  $\sigma = 0.956 \text{ mho/m}$ ;  $\epsilon_r = 57.4$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**458 - Li-poly - 1223/12 - Belt-Clip/Area Scan (7x23x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 8.96 mW/g

**458 - Li-poly - 1223/12 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

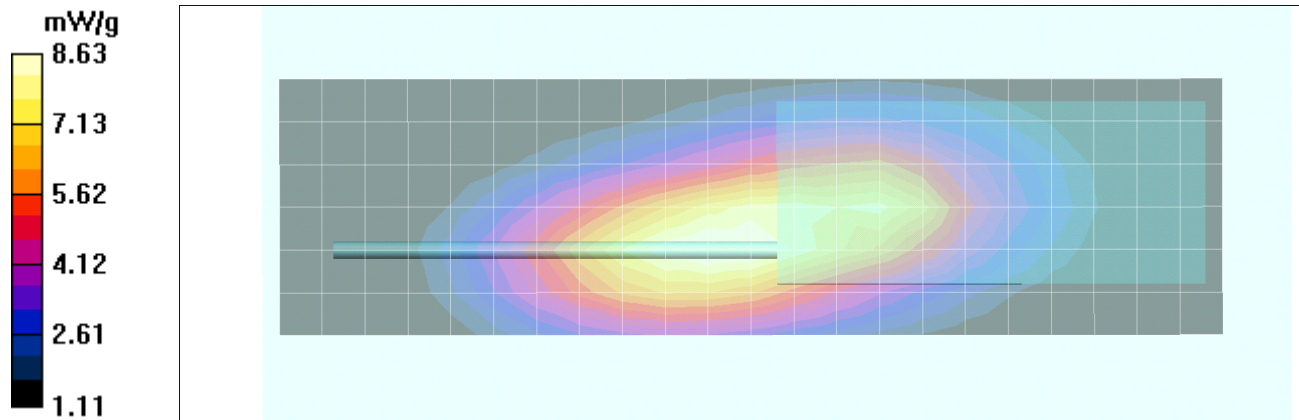
Reference Value = 86.9 V/m; Power Drift = -0.248 dB


Peak SAR (extrapolated) = 12.2 W/kg



**SAR(1 g) = 8.17 mW/g; SAR(10 g) = 5.73 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 8.63 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B7

Date Tested: 06/04/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 443 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated):  $f = 443 \text{ MHz}$ ;  $\sigma = 0.94 \text{ mho/m}$ ;  $\epsilon_r = 57.7$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**443 - Li-poly - 1223/12 - Belt-Clip/Area Scan (7x23x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.64 mW/g

**443 - Li-poly - 1223/12 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

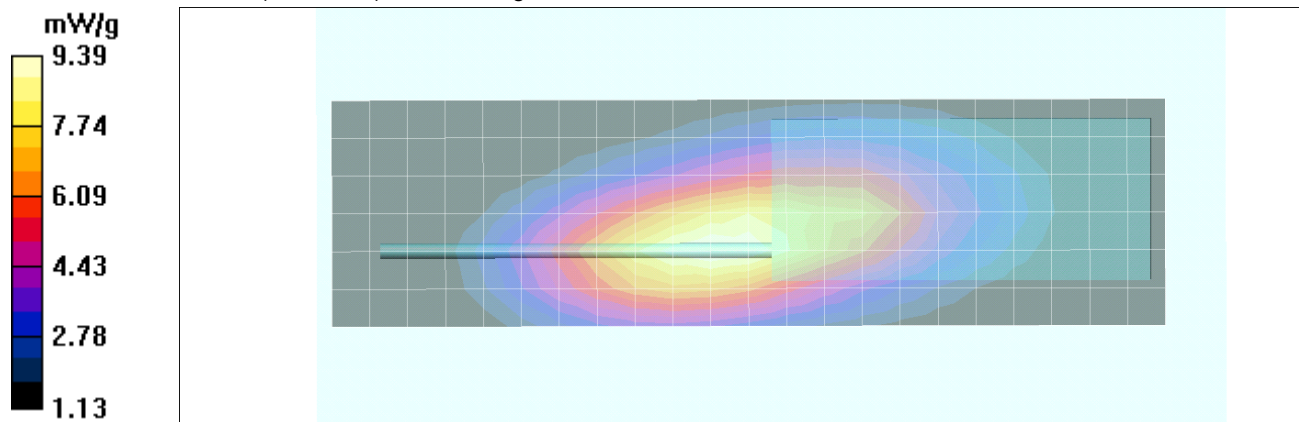
Reference Value = 89.3 V/m; Power Drift = -0.288 dB


Peak SAR (extrapolated) = 13.1 W/kg



**SAR(1 g) = 8.78 mW/g; SAR(10 g) = 6.12 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.39 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B8

Date Tested: 06/04/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 443 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated):  $f = 443 \text{ MHz}$ ;  $\sigma = 0.94 \text{ mho/m}$ ;  $\epsilon_r = 57.7$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**443 - NiMH NIS - 1223/12 - Belt-Clip/Area Scan (7x23x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

**443 - NiMH NIS - 1223/12 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

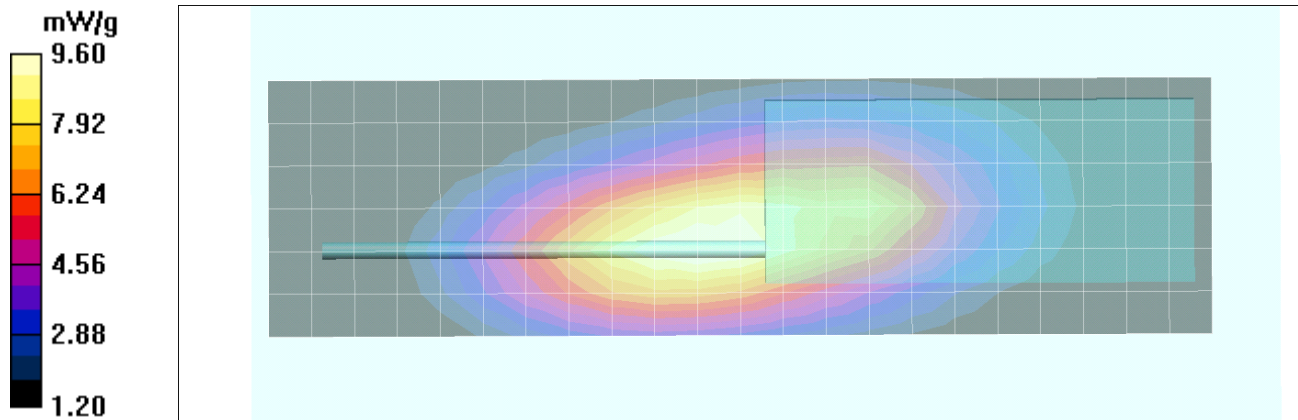
Reference Value = 90.5 V/m; Power Drift = -0.173 dB


Peak SAR (extrapolated) = 13.5 W/kg



**SAR(1 g) = 9.07 mW/g; SAR(10 g) = 6.36 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.60 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B9

Date Tested: 06/04/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 443 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated):  $f = 443 \text{ MHz}$ ;  $\sigma = 0.94 \text{ mho/m}$ ;  $\epsilon_r = 57.7$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**443 - NiMH IS - 1223/12 - Belt-Clip/Area Scan (7x23x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

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

**443 - NiMH IS - 1223/12 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

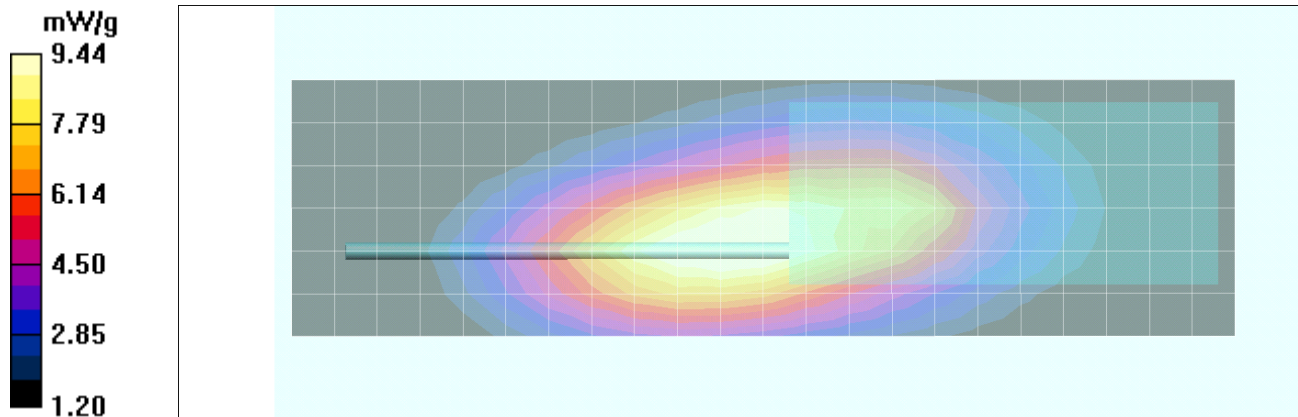
Reference Value = 94.1 V/m; Power Drift = -0.669 dB


Peak SAR (extrapolated) = 13.4 W/kg



**SAR(1 g) = 8.99 mW/g; SAR(10 g) = 6.3 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.44 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B10

Date Tested: 06/04/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 443 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated):  $f = 443 \text{ MHz}$ ;  $\sigma = 0.94 \text{ mho/m}$ ;  $\epsilon_r = 57.7$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**443 - Li-ion - 1223/12 - Belt-Clip/Area Scan (7x23x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.20 mW/g

**443 - Li-ion - 1223/12 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

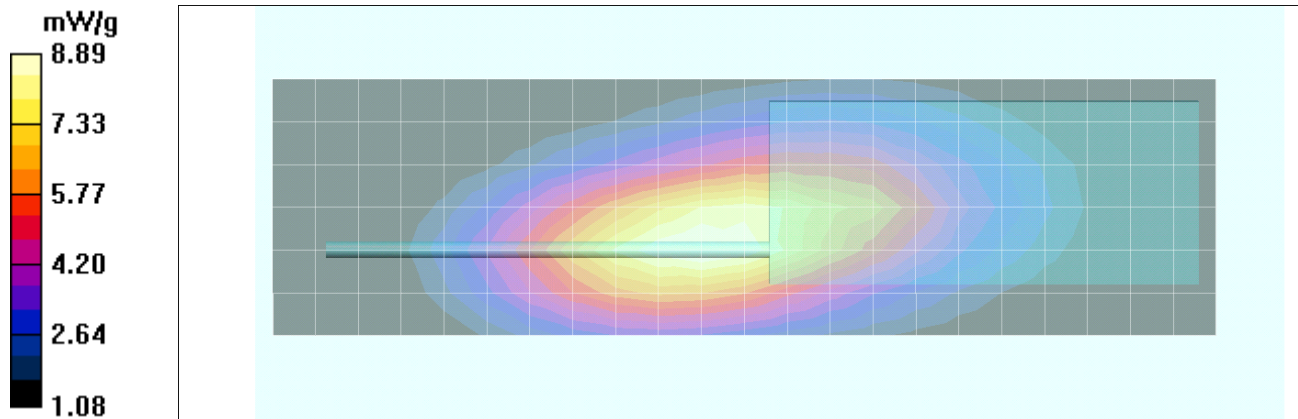
Reference Value = 87.5 V/m; Power Drift = -0.210 dB


Peak SAR (extrapolated) = 12.6 W/kg

**SAR(1 g) = 8.46 mW/g; SAR(10 g) = 5.93 mW/g**



Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 8.89 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

**Plot B11**

Date Tested: 06/03/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50**

Program Notes: Ambient Temp: 22C; Fluid Temp: 21.8C; Barometric Pressure: 101.7 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 408 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated): f = 408 MHz;  $\sigma = 0.908$  mho/m;  $\epsilon_r = 58.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**SCAN - 408 - Li-poly - 1219/10 - Belt-Clip/Area Scan (7x23x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 5.27 mW/g

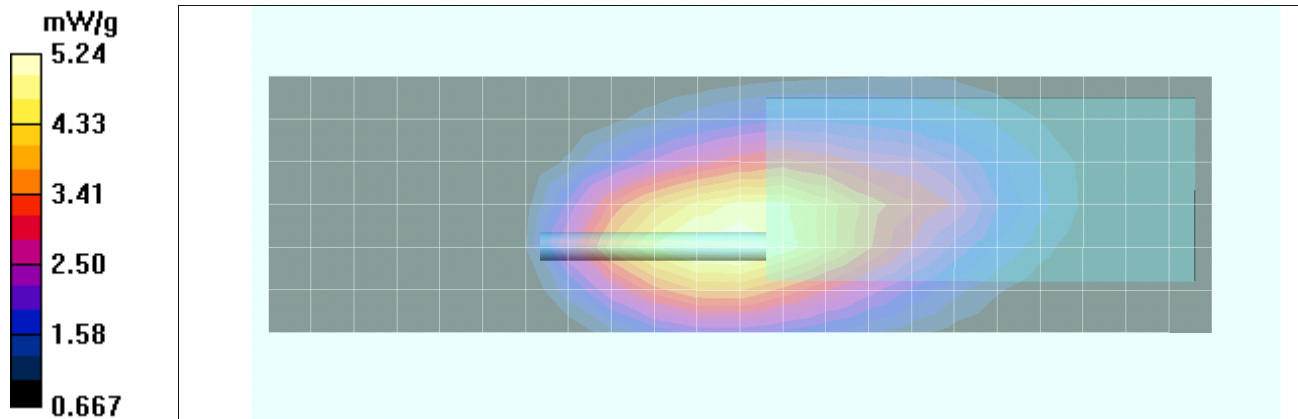
**SCAN - 408 - Li-poly - 1219/10 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm



Reference Value = 68.6 V/m; Power Drift = -0.040 dB

Peak SAR (extrapolated) = 7.43 W/kg

**SAR(1 g) = 4.97 mW/g; SAR(10 g) = 3.51 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 5.24 mW/g



	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B12

Date Tested: 06/04/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used:  $f = 470 \text{ MHz}$ ;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon_r = 56.9$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**SCAN - 470 - Li-poly - 1219/12 - Belt-Clip/Area Scan (7x23x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 8.94 mW/g

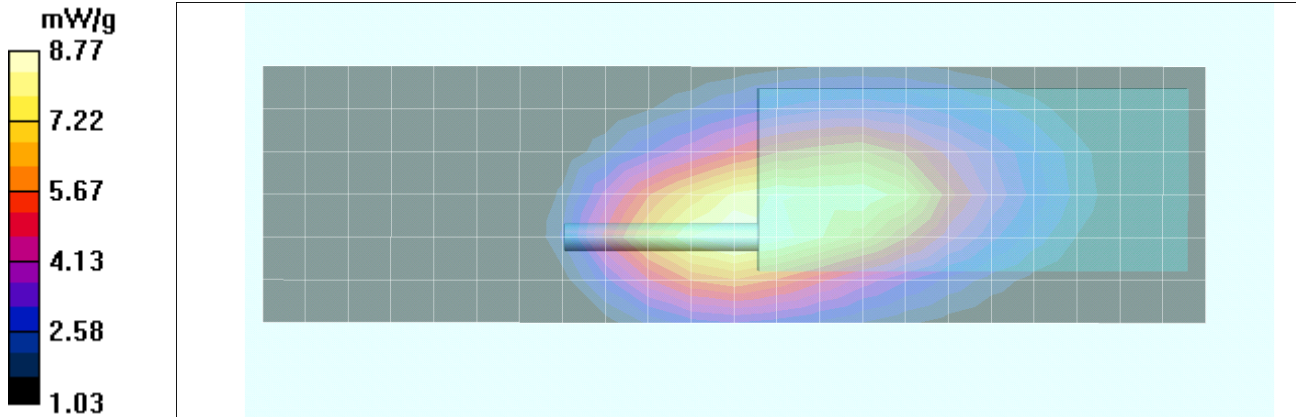
**SCAN - 470 - Li-poly - 1219/12 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm


Reference Value = 88.9 V/m; Power Drift = -0.157 dB



Peak SAR (extrapolated) = 12.4 W/kg

**SAR(1 g) = 8.31 mW/g; SAR(10 g) = 5.84 mW/g**

Maximum value of SAR (measured) = 8.77 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B13

Date Tested: 06/04/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 408 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated):  $f = 408 \text{ MHz}$ ;  $\sigma = 0.908 \text{ mho/m}$ ;  $\epsilon_r = 58.2$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**SCAN - 408 - Li-poly - 1223/10 - Belt-Clip/Area Scan (7x23x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.61 mW/g

**SCAN - 408 - Li-poly - 1223/10 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

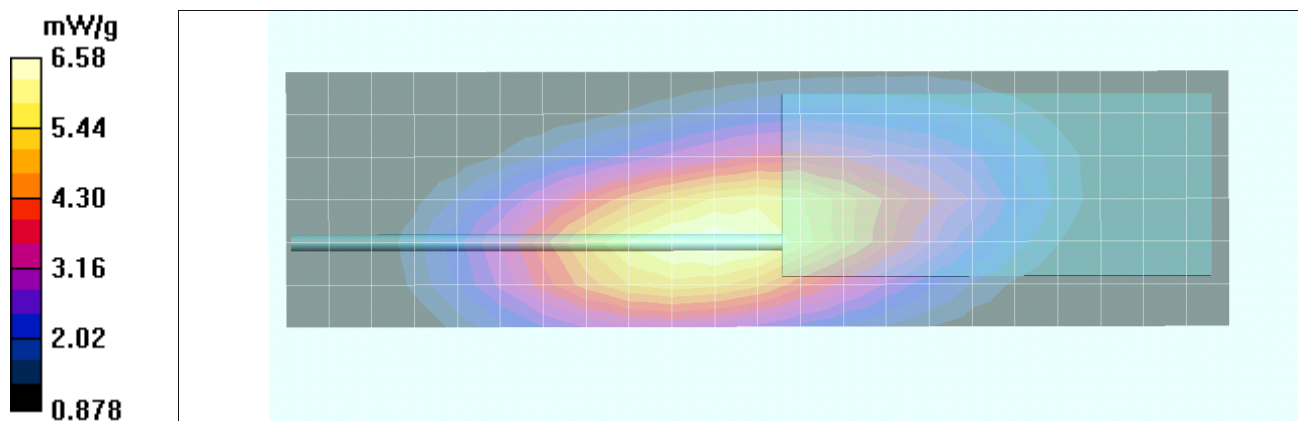
Reference Value = 73.7 V/m; Power Drift = -0.003 dB


Peak SAR (extrapolated) = 9.19 W/kg



**SAR(1 g) = 6.25 mW/g; SAR(10 g) = 4.42 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.58 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B14

Date Tested: 06/04/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 443 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated):  $f = 443 \text{ MHz}$ ;  $\sigma = 0.94 \text{ mho/m}$ ;  $\epsilon_r = 57.7$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**SCAN - 443 - NiMH NIS - 1223/12 - Belt-Clip/Area Scan (7x23x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 9.85 mW/g

**SCAN - 443 - NiMH NIS - 1223/12 - Belt-Clip/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

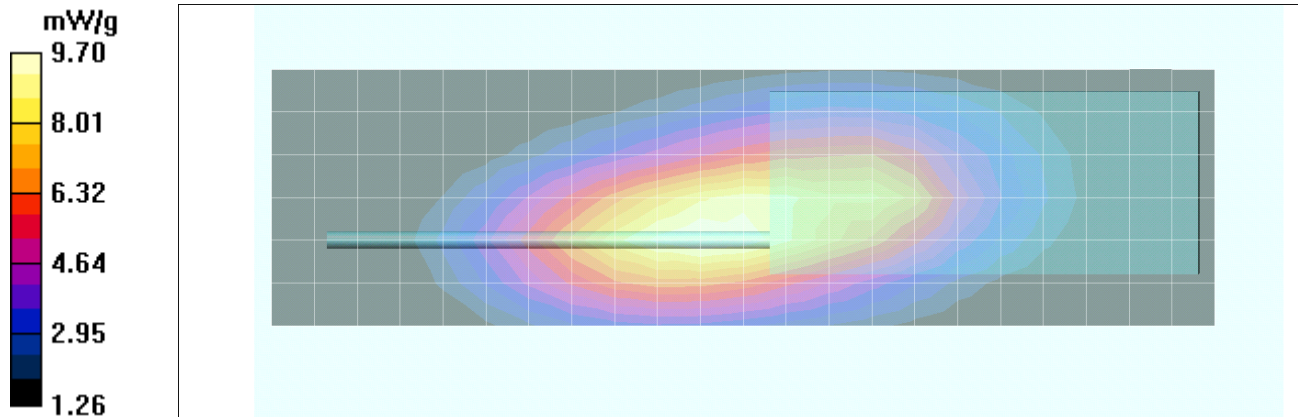
Reference Value = 90.9 V/m; Power Drift = 0.037 dB


Peak SAR (extrapolated) = 13.7 W/kg

**SAR(1 g) = 9.21 mW/g; SAR(10 g) = 6.47 mW/g**

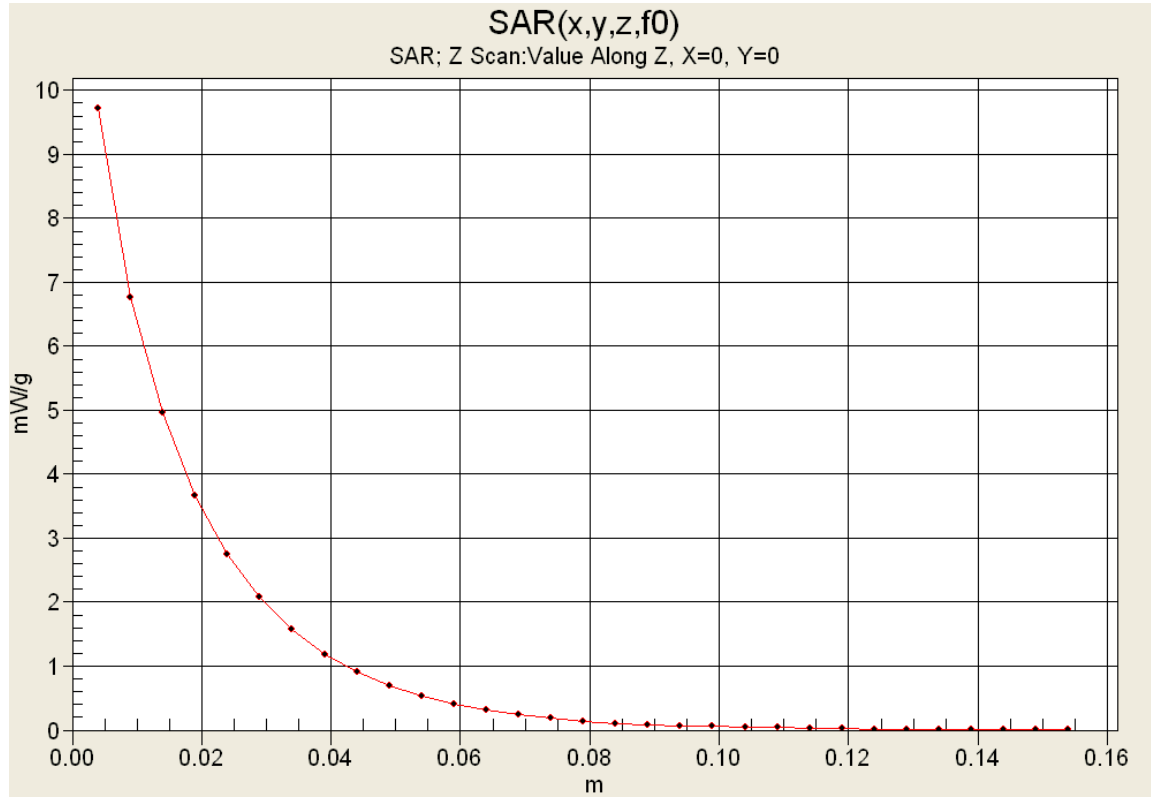
Info: Interpolated medium parameters used for SAR evaluation.



Maximum value of SAR (measured) = 9.70 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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### Z-Axis Scan



	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B15

Date Tested: 06/04/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 408 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated):  $f = 408 \text{ MHz}$ ;  $\sigma = 0.908 \text{ mho/m}$ ;  $\epsilon_r = 58.2$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**408 - Li-poly - 1219/10 - Nylon/Area Scan (7x23x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.39 mW/g

**408 - Li-poly - 1219/10 - Nylon/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

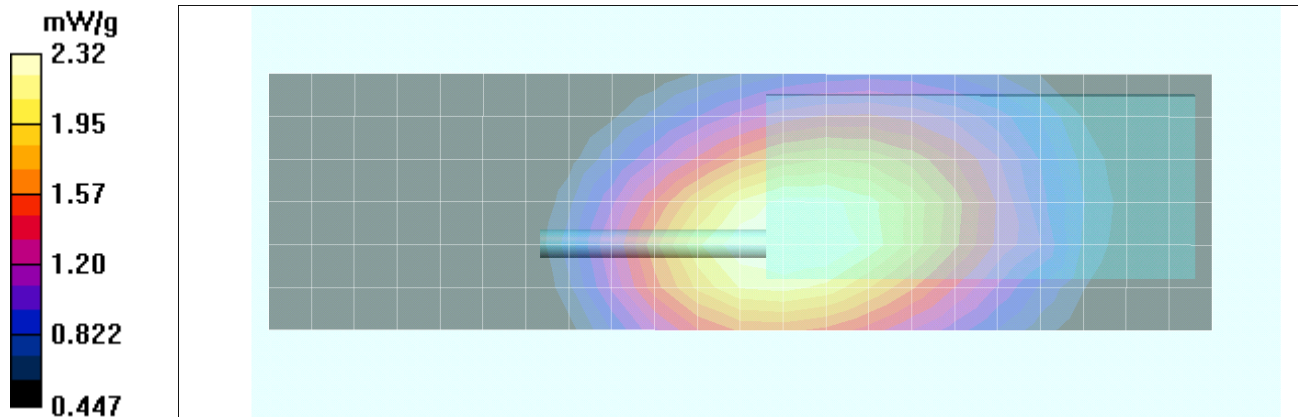
Reference Value = 48.7 V/m; Power Drift = -0.360 dB


Peak SAR (extrapolated) = 3.09 W/kg



**SAR(1 g) = 2.22 mW/g; SAR(10 g) = 1.66 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.32 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B16

Date Tested: 06/04/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used:  $f = 470 \text{ MHz}$ ;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon_r = 56.9$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

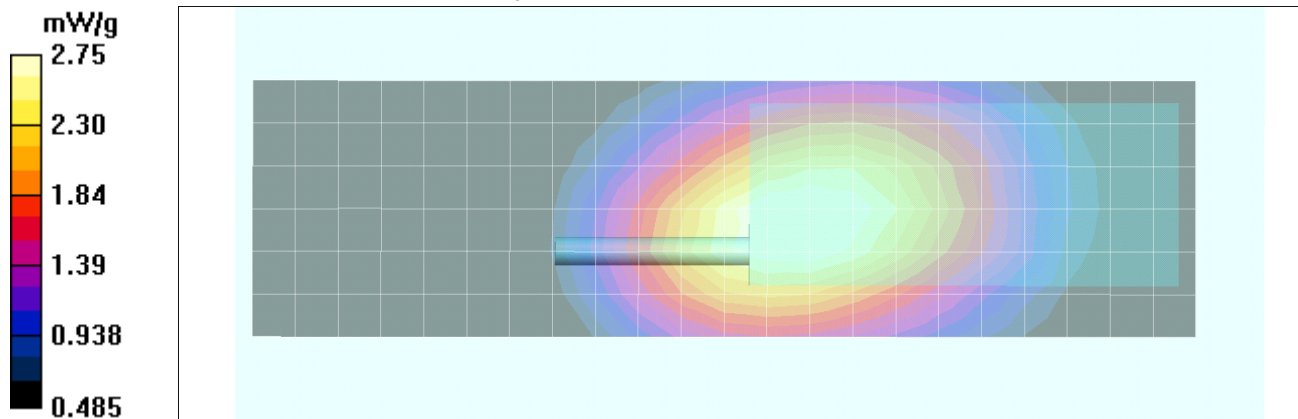
**470 - Li-poly - 1219/12 - Nylon/Area Scan (7x23x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (measured) = 2.83 mW/g


**470 - Li-poly - 1219/12 - Nylon/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 53.0 V/m; Power Drift = -0.311 dB



Peak SAR (extrapolated) = 3.69 W/kg

**SAR(1 g) = 2.61 mW/g; SAR(10 g) = 1.94 mW/g**

Maximum value of SAR (measured) = 2.75 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B17

Date Tested: 06/05/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 408 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated):  $f = 408 \text{ MHz}$ ;  $\sigma = 0.908 \text{ mho/m}$ ;  $\epsilon_r = 58.2$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**408 - Li-poly - 1223/10 - Nylon/Area Scan (7x23x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

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

**408 - Li-poly - 1223/10 - Nylon/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

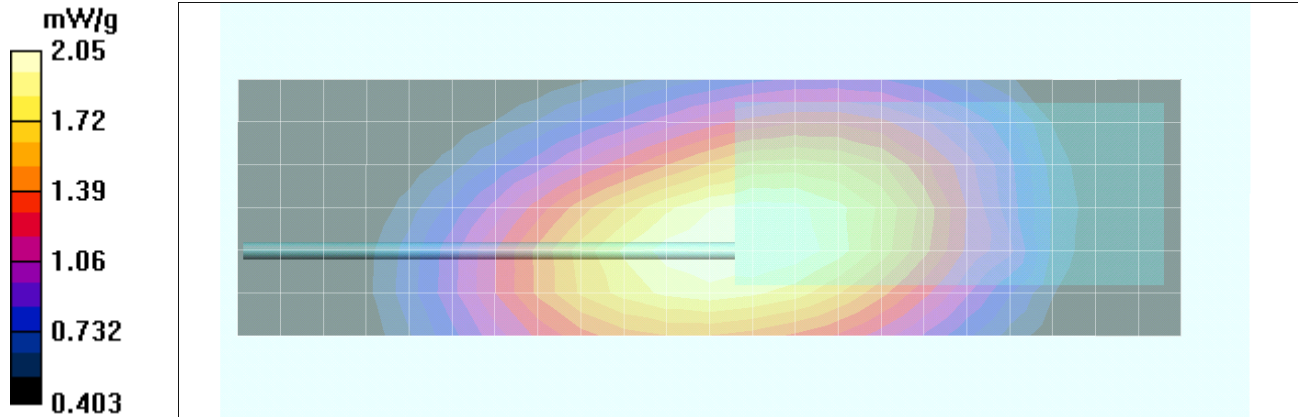
Reference Value = 45.6 V/m; Power Drift = -0.136 dB


Peak SAR (extrapolated) = 2.72 W/kg

**SAR(1 g) = 1.96 mW/g; SAR(10 g) = 1.47 mW/g**



Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.05 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B18

Date Tested: 06/05/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used:  $f = 470 \text{ MHz}$ ;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon_r = 56.9$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**470 - Li-poly - 1223/12 - Nylon/Area Scan (7x23x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.95 mW/g

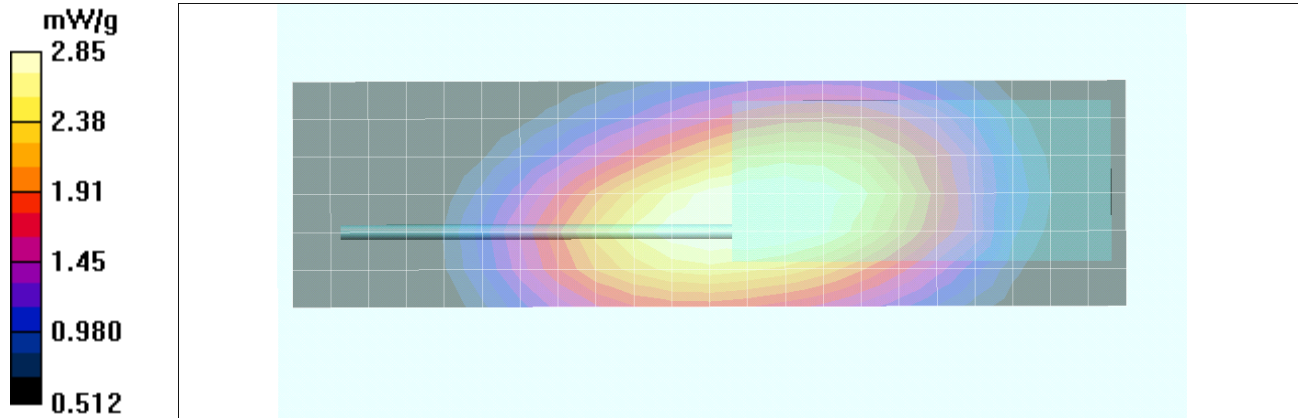
**470 - Li-poly - 1223/12 - Nylon/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$


Reference Value = 53.6 V/m; Power Drift = -0.148 dB



Peak SAR (extrapolated) = 3.81 W/kg

**SAR(1 g) = 2.72 mW/g; SAR(10 g) = 2.03 mW/g**

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



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B19

Date Tested: 06/05/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used:  $f = 470 \text{ MHz}$ ;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon_r = 56.9$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**470 - NiMH NIS - 1223/12 - Nylon/Area Scan (7x23x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

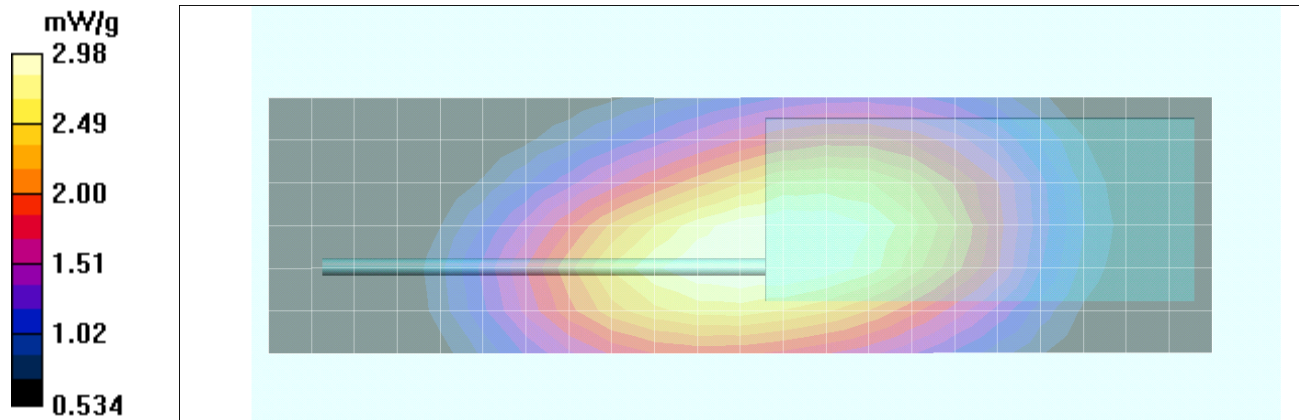
**470 - NiMH NIS - 1223/12 - Nylon/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$


Reference Value = 55.0 V/m; Power Drift = -0.164 dB

Peak SAR (extrapolated) = 3.99 W/kg

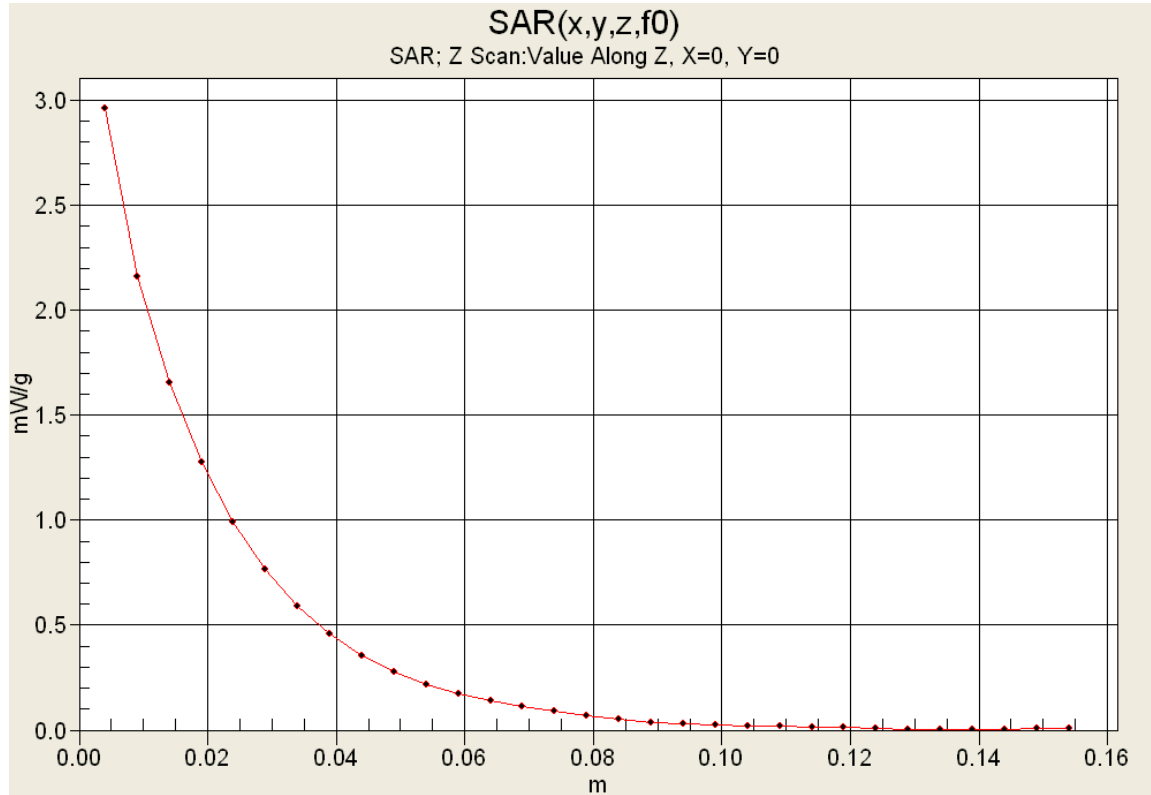
**SAR(1 g) = 2.85 mW/g; SAR(10 g) = 2.12 mW/g**



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



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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## Z-Axis Scan



	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B20

Date Tested: 06/05/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used:  $f = 470 \text{ MHz}$ ;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon_r = 56.9$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**470 - NiMH IS - 1223/12 - Nylon/Area Scan (7x23x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.96 mW/g

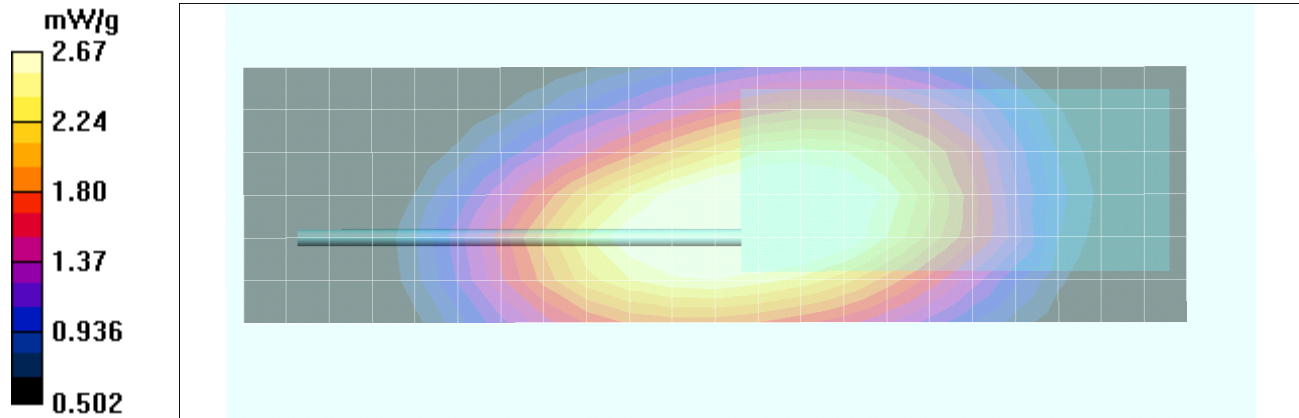
**470 - NiMH IS - 1223/12 - Nylon/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm


Reference Value = 53.5 V/m; Power Drift = -0.555 dB



Peak SAR (extrapolated) = 3.57 W/kg

**SAR(1 g) = 2.55 mW/g; SAR(10 g) = 1.9 mW/g**

Maximum value of SAR (measured) = 2.67 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B21

Date Tested: 06/05/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used:  $f = 470 \text{ MHz}$ ;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon_r = 56.9$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**470 - Li-ion - 1223/12 - Nylon/Area Scan (7x23x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.79 mW/g

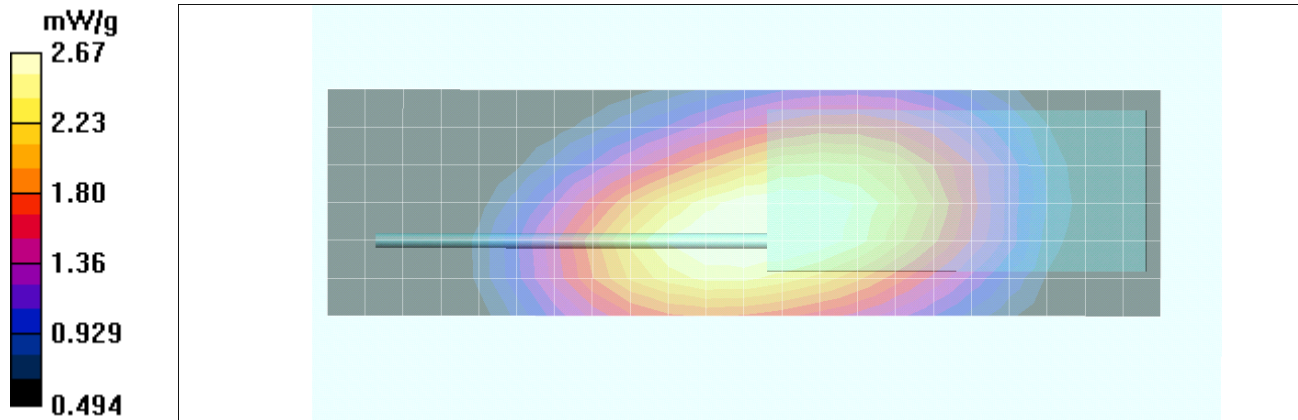
**470 - Li-ion - 1223/12 - Nylon/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$


Reference Value = 52.7 V/m; Power Drift = -0.343 dB



Peak SAR (extrapolated) = 3.56 W/kg

**SAR(1 g) = 2.54 mW/g; SAR(10 g) = 1.9 mW/g**

Maximum value of SAR (measured) = 2.67 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B22

Date Tested: 06/04/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 408 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated):  $f = 408 \text{ MHz}$ ;  $\sigma = 0.908 \text{ mho/m}$ ;  $\epsilon_r = 58.2$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**SCAN - 408 - Li-poly - 1219/10 - Nylon/Area Scan (7x23x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

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

**SCAN - 408 - Li-poly - 1219/10 - Nylon/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

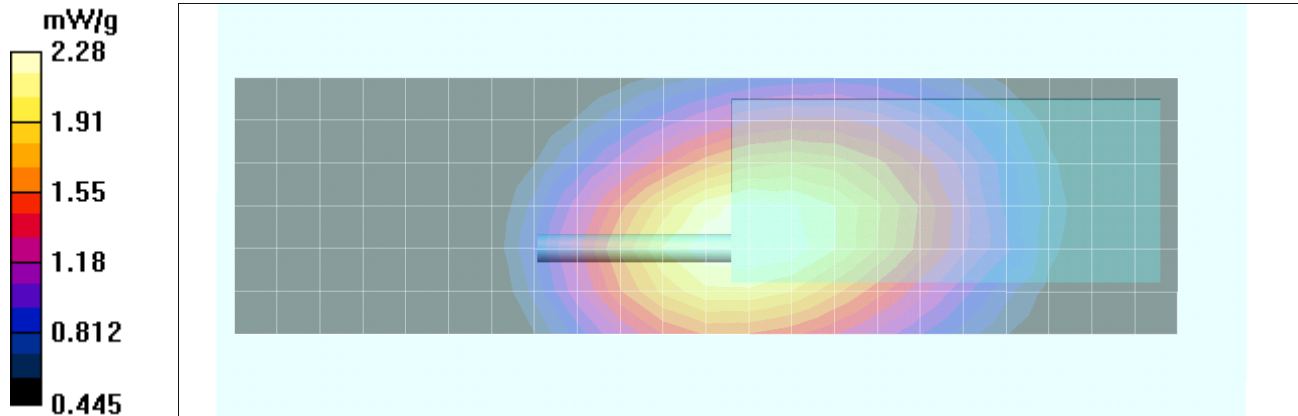
Reference Value = 48.3 V/m; Power Drift = -0.238 dB


Peak SAR (extrapolated) = 3.02 W/kg



**SAR(1 g) = 2.18 mW/g; SAR(10 g) = 1.64 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

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



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B23

Date Tested: 06/05/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used:  $f = 470 \text{ MHz}$ ;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon_r = 56.9$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**SCAN - 470 - Li-poly - 1219/12 - Nylon/Area Scan (7x23x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 2.88 mW/g

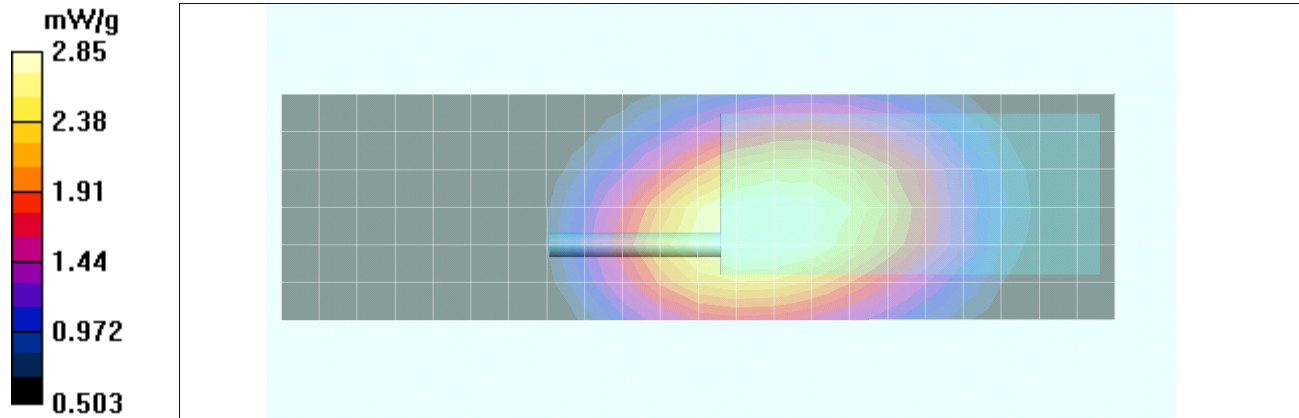
**SCAN - 470 - Li-poly - 1219/12 - Nylon/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$


Reference Value = 52.3 V/m; Power Drift = -0.124 dB



Peak SAR (extrapolated) = 3.85 W/kg

**SAR(1 g) = 2.73 mW/g; SAR(10 g) = 2.04 mW/g**

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



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0141-E	IC:	3636B-0141	
DUT Type:	Portable UHF Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B24

Date Tested: 06/05/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 408 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated):  $f = 408 \text{ MHz}$ ;  $\sigma = 0.908 \text{ mho/m}$ ;  $\epsilon_r = 58.2$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**SCAN - 408 - Li-poly - 1223/10 - Nylon/Area Scan (7x23x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 2.20 mW/g

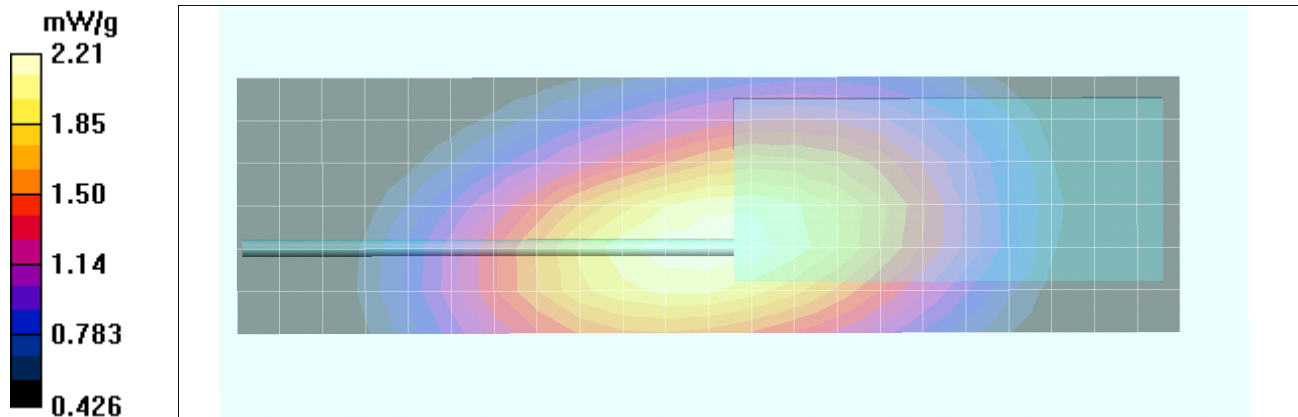
**SCAN - 408 - Li-poly - 1223/10 - Nylon/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm


Reference Value = 46.4 V/m; Power Drift = 0.059 dB

Peak SAR (extrapolated) = 2.94 W/kg



**SAR(1 g) = 2.11 mW/g; SAR(10 g) = 1.57 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.  
Maximum value of SAR (measured) = 2.21 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B25

Date Tested: 06/05/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 50**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 470 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used:  $f = 470 \text{ MHz}$ ;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon_r = 56.9$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**SCAN - 470 - NiMH NIS - 1223/12 - Nylon/Area Scan (7x23x1):** Measurement grid: dx=15mm, dy=15mm

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

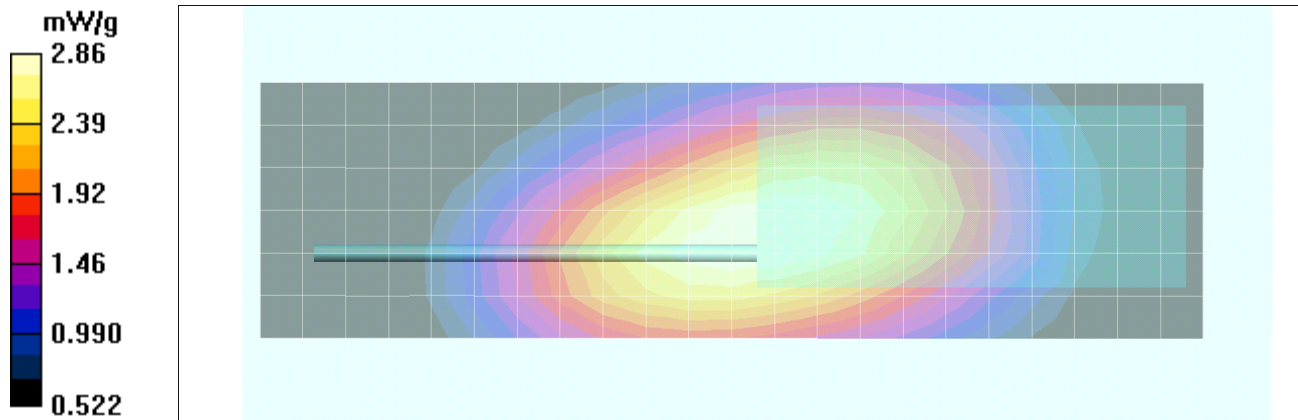
**SCAN - 470 - NiMH NIS - 1223/12 - Nylon/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm


Reference Value = 53.0 V/m; Power Drift = 0.059 dB



Peak SAR (extrapolated) = 3.83 W/kg

**SAR(1 g) = 2.73 mW/g; SAR(10 g) = 2.04 mW/g**

Maximum value of SAR (measured) = 2.86 mW/g



Applicant:	HARRIS Corporation	FCC ID:	OWDTR-0141-E	IC:	3636B-0141	
DUT Type:	Portable UHF Band PTT Radio Transceiver with Bluetooth	DUT Name:	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B26

Date Tested: 06/05/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

Frequency: 408 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated):  $f = 408 \text{ MHz}$ ;  $\sigma = 0.908 \text{ mho/m}$ ;  $\epsilon_r = 58.2$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**408 - Li-poly - 1219/10 - Leather Belt-loop/Area Scan (7x23x1):** 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

**408 - Li-poly - 1219/10 - Leather Belt-loop/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

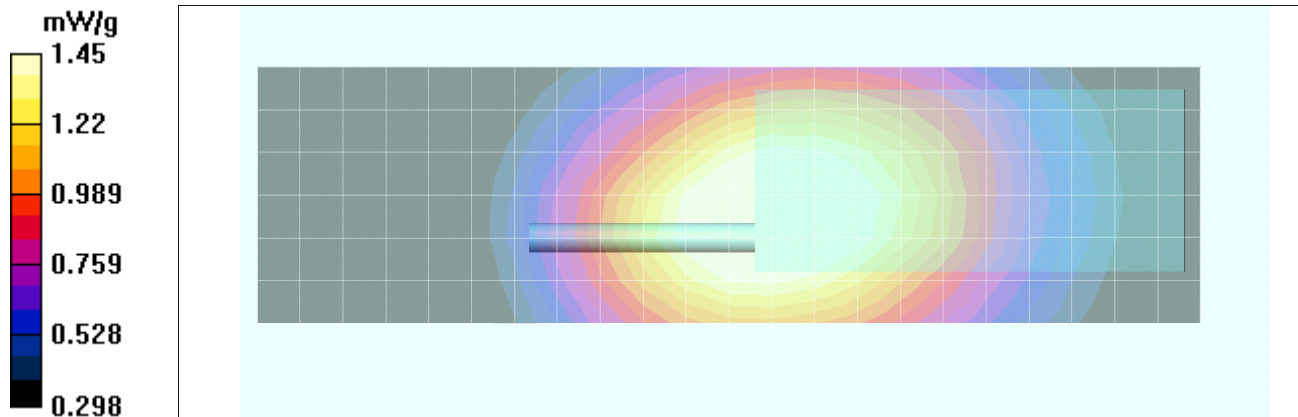
Reference Value = 40.9 V/m; Power Drift = -0.401 dB


Peak SAR (extrapolated) = 1.91 W/kg



**SAR(1 g) = 1.4 mW/g; SAR(10 g) = 1.06 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.45 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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	<u>Date(s) of Evaluation</u> May 30-Jun7, 2013	<u>Test Report Serial No.</u> 45461369 R1.0	<u>Test Report Revision No.</u> Rev. 1.1	 Test Lab Certificate No. 2470.01
	<u>Test Report Issue Date</u> 20 October 2016	<u>Description of Test(s)</u> Specific Absorption Rate	<u>RF Exposure Category</u> Occupational (Controlled)	

## Plot B27

Date Tested: 06/05/2013

**DUT: Harris XG-25P; Type: UHF-L PTT Radio Transceiver; Serial: 25**

Program Notes: Ambient Temp: 23C; Fluid Temp: 21.8C; Barometric Pressure: 102.1 kPa; Humidity: 36%

Communication System: UHF-L

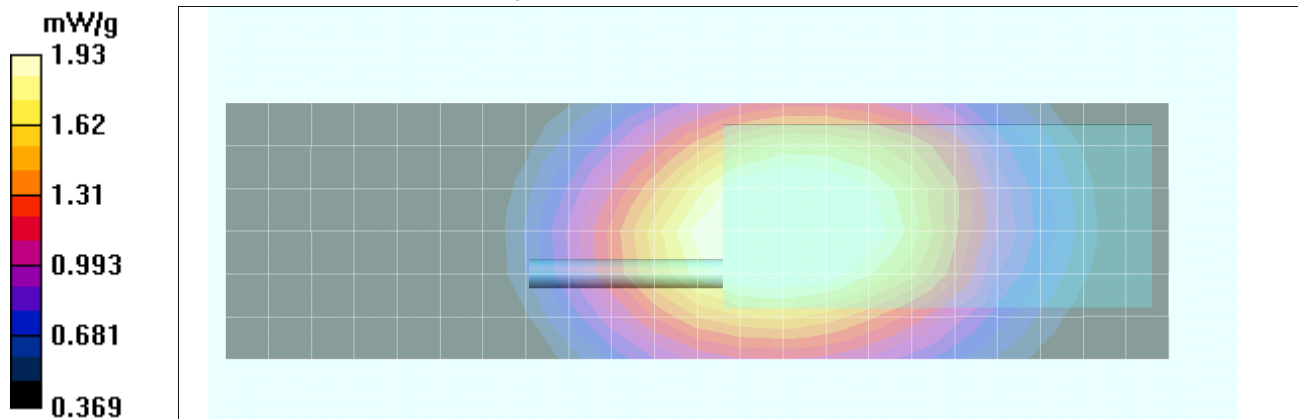
Frequency: 470 MHz; Duty Cycle: 1:1


Medium: M450 Medium parameters used:  $f = 470 \text{ MHz}$ ;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon_r = 56.9$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: ET3DV6 - SN1590; ConvF(7.98, 7.98, 7.98); Calibrated: 24/04/2013
- 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

**470 - Li-poly - 1219/12 - Leather Belt-loop/Area Scan (7x23x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (measured) = 2.13 mW/g

**470 - Li-poly - 1219/12 - Leather Belt-loop/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value = 45.5 V/m; Power Drift = -0.350 dB  
Peak SAR (extrapolated) = 2.54 W/kg  
**SAR(1 g) = 1.85 mW/g; SAR(10 g) = 1.4 mW/g**  
Maximum value of SAR (measured) = 1.93 mW/g



<b>Applicant:</b>	HARRIS Corporation	<b>FCC ID:</b>	OWDTR-0141-E	<b>IC:</b>	3636B-0141	
<b>DUT Type:</b>	Portable UHF Band PTT Radio Transceiver with Bluetooth	<b>DUT Name:</b>	XG-25P UHF-L			
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