

|                                                                                   |                                                   |                                                           |                                                          |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              |  |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                     |

Test Lab Certificate No. 2470.01

## DECLARATION OF COMPLIANCE

### SAR RF EXPOSURE EVALUATION - FCC / IC Class II Permissive Change

|                        |                                                                  |                                                                     |               |                                       |                             |
|------------------------|------------------------------------------------------------------|---------------------------------------------------------------------|---------------|---------------------------------------|-----------------------------|
| TEST LAB INFORMATION   | Name                                                             | CELLTECH LABS INC.                                                  |               |                                       |                             |
|                        | Address                                                          | 21-364 Lougheed Road, Kelowna, B.C. V1X 7R8 Canada                  |               |                                       |                             |
| TEST LAB ACCREDITATION | Type                                                             | ISO / IEC 17025                                                     | Accreditation | A2LA Test Lab Certificate No. 2470.01 |                             |
| APPLICANT INFORMATION  | Name                                                             | HARRIS CORPORATION                                                  |               |                                       |                             |
|                        | Address                                                          | 221 Jefferson Ridge Parkway, Lynchburg, VA 24501 U.S.A.             |               |                                       |                             |
| STANDARDS APPLIED      | FCC                                                              | 47 CFR §2.1093                                                      |               | IC                                    | Health Canada Safety Code 6 |
| PROCEDURES APPLIED     | FCC                                                              | KDB 447498 D01v05r02, KDB 865664 D01v01r03                          |               | IC                                    | RSS 102 Issue 4             |
|                        | FCC                                                              | KDB 865664 D02v01r01, KDB 643646 D01v01r01                          |               | IEC                                   |                             |
|                        | IEEE                                                             | IEEE 1528-2013                                                      |               | IEC                                   |                             |
| DEVICE CLASSIFICATION  | 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 DESCRIPTION     | Portable Multi-Band Digital Push-To-Talk (PTT) Radio Transceiver |                                                                     |               |                                       |                             |
| APPLICATION TYPE       | Class II Permissive Change – Addition of WiFi and BlueTooth      |                                                                     |               |                                       |                             |
| DATE(S) OF EVALUATION  | March 2 – 10, 2015                                               |                                                                     |               | SAMPLES RECEIVED                      | December 18, 2014           |

### Devices Evaluated

| FCC ID                          | IC Certification | Model                                                   | Type          |      |    | Frequency Range                                                                                                                            | Manufacturer's Rated Output Power                                      |
|---------------------------------|------------------|---------------------------------------------------------|---------------|------|----|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| OWDTR-0133-E                    | 3636B-0133       | XL-200P                                                 | System & Scan |      |    | 136-174MHz<br>378-522MHz<br>768-776MHz<br>798-806MHz<br>806-816MHz<br>851-861MHz<br>2412-2462MHz WLAN<br>5150-5850MHz WLAN<br>2402-2480 BT | 6W<br>5W<br>3W<br>3W<br>3W<br>3W<br>234mW PK<br>15mW Avg<br>18.6mW Avg |
| Antenna Type(s) Tested          |                  | KRE1011219/2, KRE1011506/1, KRE1011506/2, 14035-4000-01 |               |      |    |                                                                                                                                            |                                                                        |
| Battery Type(s) Tested          |                  | See Section 5.0                                         |               |      |    |                                                                                                                                            |                                                                        |
| Body-worn Accessories Tested    |                  | See Section 5.0                                         |               |      |    |                                                                                                                                            |                                                                        |
| Audio Accessories Tested        |                  | See Section 5.0                                         |               |      |    |                                                                                                                                            |                                                                        |
| Maximum SAR Level Evaluated FCC |                  | Head                                                    | 1.90          | W/kg | 1g | 50% PTT Duty Factor                                                                                                                        | Occupational / Controlled Exposure                                     |
|                                 |                  | Body                                                    | 5.24          |      |    |                                                                                                                                            |                                                                        |
| Maximum SAR Level Evaluated IC  |                  | Head                                                    | 1.97          |      |    |                                                                                                                                            |                                                                        |
|                                 |                  | Body                                                    | 5.50          |      |    |                                                                                                                                            |                                                                        |
| FCC / IC Spatial Peak SAR Limit |                  | Head /Body                                              | 8.0           | W/kg | 1g | 50% PTT Duty Factor                                                                                                                        | Occupational / Controlled Exposure                                     |

### Statement of Compliance

Celltech Labs Inc. declares under its sole responsibility that the Harris Corporation Model XL-200P Portable PTT Transceiver 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 4, IEEE Standard 1528-2013 and International Standard IEC 62209-2:2010. All measurements were performed in accordance with the SAR system manufacturer recommendations.

### The results and statements contained in this report pertain only to the device(s) evaluated

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.

|                         |                                                                                     |                  |                 |                    |
|-------------------------|-------------------------------------------------------------------------------------|------------------|-----------------|--------------------|
| Test Report Approved By |  | Art Voss, P.Eng. | Senior Engineer | Celltech Labs Inc. |
|-------------------------|-------------------------------------------------------------------------------------|------------------|-----------------|--------------------|

|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## 1.0 DOCUMENT CONTROL

| REVISION HISTORY |             |                |                |
|------------------|-------------|----------------|----------------|
| REVISION NO.     | DESCRIPTION | IMPLEMENTED BY | RELEASE DATE   |
| 1.0              | 1st Release | Art Voss       | March 17, 2015 |

| TEST REPORT SIGN-OFF  |                    |              |                    |
|-----------------------|--------------------|--------------|--------------------|
| DEVICE TESTED BY      | REPORT PREPARED BY | QA REVIEW BY | REPORT APPROVED BY |
| Art Voss/Jasmeet Gill | Art Voss           | Art Voss     | Art Voss           |

|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                     |

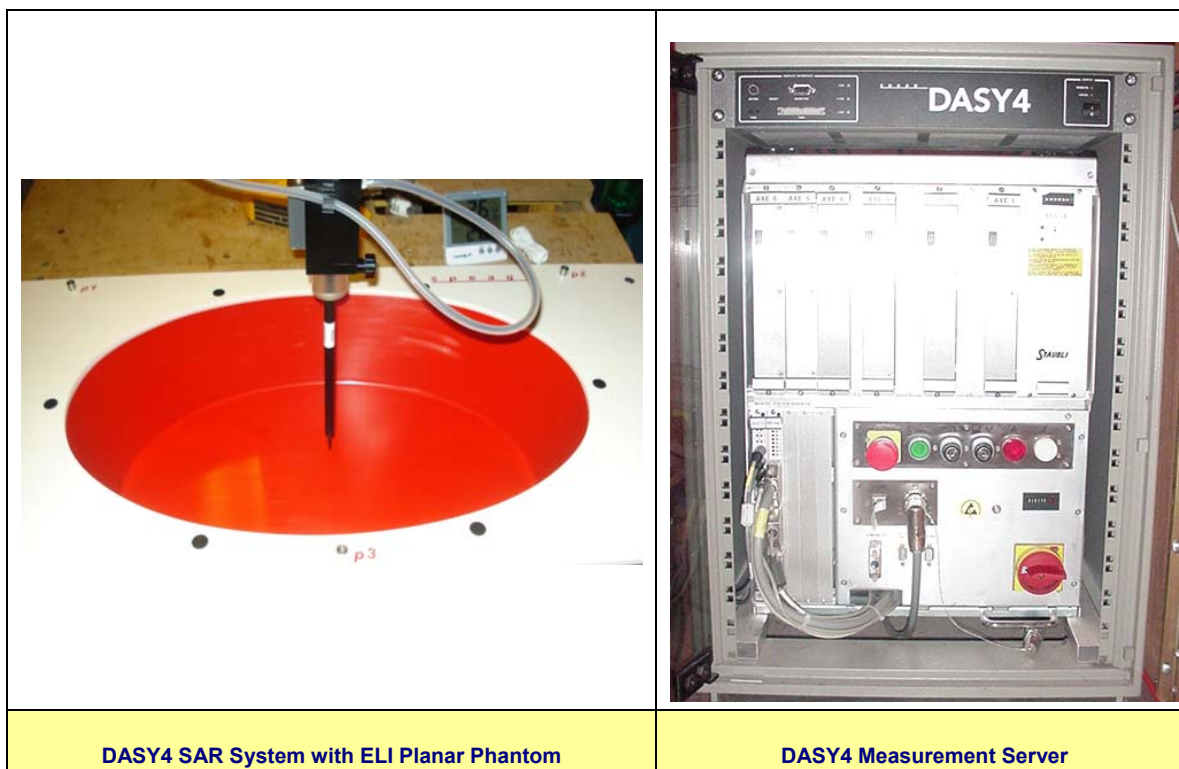
Test Lab Certificate No. 2470.01

## 2.0 INTRODUCTION

This measurement report demonstrates that the HARRIS Corporation XL-200P Portable PTT Radio Transceivers complies with the SAR (Specific Absorption Rate) RF exposure requirements specified in FCC 47 CFR §2.1093 and Health Canada's Safety Code 6 for the Occupational / Controlled Exposure environment. The measurement procedures were in accordance of KDB 447498; KDB 865664; IC RSS-102 Issue 4 and IEEE Standard 1528-2013. 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. Subsequent addendums were applied to the following Radio Transceivers:

## 3.0 SAR MEASUREMENT SYSTEM

Celltech Labs Inc. SAR measurement facility employs a Dosimetric Assessment System (DASY™) manufactured by Schmid & Partner Engineering AG (SPEAG™) of Zurich, Switzerland. The DASY4 measurement system is comprised of the measurement server, a robot controller, a computer, a near-field probe, a probe alignment sensor, an Elliptical Planar Phantom (ELI) phantom and a specific anthropomorphic mannequin (SAM) phantom 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 and a teach pendant (Joystick) to control the robot's servo 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 form the DAE to digital electronic signal 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, a command decoder and a 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 utilizes a controller with built in VME-bus computer.



DASY4 SAR System with ELI Planar Phantom

DASY4 Measurement Server

|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| <b>DUT Type:</b>        | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|                                                                                   | Test Report Issue Date<br>March 17, 2015   | Description of Test(s)<br>Specific Absorption Rate | RF Exposure Category<br>Occupational (Controlled) |                                                                                     |

## 4.0 NUMBER OF TEST CHANNELS ( $N_c$ )

Table 4.0

| Number of Test Channels (N <sub>c</sub> )                                                  |     |              |                                |                               |                               |
|--------------------------------------------------------------------------------------------|-----|--------------|--------------------------------|-------------------------------|-------------------------------|
| Antenna                                                                                    | P/N | Antenna Type | Frequency Range (MHz)          | N <sub>c</sub> <sup>(1)</sup> | N <sub>c</sub> <sup>(2)</sup> |
| 14035-4000-01                                                                              |     | Whip         | 2412-2484(wifi) <sup>(3)</sup> | 3                             | 3                             |
| 14035-4000-01                                                                              |     | Whip         | 2402-2480(BT)                  | 1                             | 1                             |
| 14035-4000-01                                                                              |     | Whip         | 5180-5300                      | 4                             | 4                             |
| Notes                                                                                      |     |              |                                |                               |                               |
| (1) In accordance with FCC KDB 447498                                                      |     |              |                                |                               |                               |
| (2) In accordance with IEC 62209-1. Maximum number of test channels was used.              |     |              |                                |                               |                               |
| (3) This is a full spectrum antenna. Channel selection was based on individual radio bands |     |              |                                |                               |                               |

## 5.0 MANUFACTURER'S ACCESSORY LIST

Table 5.0

| Manufacturer's Accessory List |                            |                                       |               |
|-------------------------------|----------------------------|---------------------------------------|---------------|
| Test Report ID Number         | Manufacturer's Part Number | Description                           | SAR Evaluated |
| <b>Antenna</b>                |                            |                                       |               |
| T1                            | KRE1011506/1               | 1/2 wave whip antenna, (764-870 MHz)  | X             |
| T2                            | KRE1011506/2               | 1/4 wave whip antenna, (764-870 MHz)  | X             |
| T3                            | 14035-4000-01              | Full spectrum whip antenna            | X             |
| T3                            | KRE1011219/2               | Helical VHF                           | X             |
| <b>Battery</b>                |                            |                                       |               |
| P1                            | 14034-4010-01              | Li-Ion Battery 7.2VDC, 3300mAh        | X             |
| <b>Audio Accessory</b>        |                            |                                       |               |
| A1                            | 12082-0600-01              | Standard Speaker Microphone           | X             |
| A2                            | 12082-0600-02              | Storm Speaker Microphone              | X             |
| A3                            | 12150-4001-02              | Premium Speaker MIC, Fire, NC, Hirose |               |
| A4                            | 12082-0650-01              | Microphone, Palm, 2-Wire Black        | X             |
| A5                            | 12082-0650-03              | Microphone, Mini Lapel, 3-Wire Black  |               |
| A6                            | 14002-0197-01              | Hirose to Unity Adapter               | X             |
| <b>Body-Worn Accessory</b>    |                            |                                       |               |
| B1                            | 12082-1290-01              | Belt Clip                             | X             |
| B2                            | 14002-0218-01              | Premium Belt Loop                     | X             |
| B3                            | KRY 1011609/1              | Leather Belt Loop                     | X             |

|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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Rev. 1.1

Test Report Issue Date  
March 17, 2015

Description of Test(s)  
Specific Absorption Rate

RF Exposure Category  
Occupational (Controlled)



|           |               |                           |          |
|-----------|---------------|---------------------------|----------|
| <b>B4</b> | 12082-3230-01 | D-Swivel (Used w/ B2, B3) | <b>X</b> |
| <b>B5</b> | CC103333V1    | Shoulder Strap            |          |

|                         |                                                                                                                      |                                                    |               |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------|
| <b>Applicant:</b>       | Harris Corporation                                                                                                   | Class II Change for addition of WiFi and Bluetooth | <b>HARRIS</b> |
| <b>DUT Type:</b>        | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                    |               |
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## 6.0 SAR MEASUREMENT SUMMARY

**Table 6.0**

| 2.4GHz 802.11 Band - FACE SAR Evaluation Results (FCC/IC) |             |                             |        |         |            |           |             |              |           |                      |              |
|-----------------------------------------------------------|-------------|-----------------------------|--------|---------|------------|-----------|-------------|--------------|-----------|----------------------|--------------|
| Date                                                      | Radio Model |                             | Plot # | Freq    | Batt. Type | Antenna   | Accessories |              | DUT       |                      | Measured SAR |
|                                                           | M/N         | Type                        |        | Spacing |            |           |             |              | 1g (W/kg) |                      |              |
|                                                           |             |                             |        |         |            |           |             | DUT          | ANT       | PTT Duty Cycle       |              |
|                                                           |             |                             |        | (MHz)   |            |           | Body        | Audio        | (mm)      | (mm)                 | 100%         |
| 02 Mar 2015                                               | XL-200P     | System                      | F48    | 2412    | Li-Ion     | 4000-01   | n/a         | n/a          | 25        | 52                   | 0.004        |
| 02 Mar 2015                                               | XL-200P     | System                      | F49    | 2437    | Li-Ion     | 4000-01   | n/a         | n/a          | 25        | 52                   | 0.004        |
| 02 Mar 2015                                               | XL-200P     | System                      | F50    | 2462    | Li-Ion     | 4000-01   | n/a         | n/a          | 25        | 52                   | 0.003        |
| 03 Mar 2015                                               | XL-200P     | System                      | F51    | 2472    | Li-Ion     | 4000-01   | n/a         | n/a          | 25        | 52                   | 0.002        |
| 03 Mar 2015                                               | XL-200P     | Scan                        | F52    | 2412    | Li-Ion     | 4000-01   | n/a         | n/a          | 25        | 52                   | 0.004        |
| SAR LIMIT(S)                                              |             |                             |        |         |            | Head/Body |             | Spatial Peak |           | RF Exposure Category |              |
| FCC 47 CFR 2.1093                                         |             | Health Canada Safety Code 6 |        |         |            | 1.6 W/kg  |             | 1g average   |           | Occupational         |              |

**Table 6.1**

| 2.4GHz Bluetooth Band - FACE SAR Evaluation Results (FCC/IC) |             |                             |        |               |            |           |             |              |             |                      |                           |
|--------------------------------------------------------------|-------------|-----------------------------|--------|---------------|------------|-----------|-------------|--------------|-------------|----------------------|---------------------------|
| Date                                                         | Radio Model |                             | Plot # | Freq<br>(MHz) | Batt. Type | Antenna   | Accessories |              | DUT Spacing |                      | Measured SAR<br>1g (W/kg) |
|                                                              | M/N         | Type                        |        |               |            |           |             |              | DUT         | ANT                  | PTT Duty Cycle            |
|                                                              |             |                             |        |               |            |           | Body        | Audio        | (mm)        | (mm)                 | 100%                      |
| 03 Mar 2015                                                  | XL-200P     | System                      | F53    | 2480          | Li-Ion     | 4000-01   | n/a         | n/a          | 25          | 52                   | 0.003                     |
| SAR LIMIT(S)                                                 |             |                             |        |               |            | Head/Body |             | Spatial Peak |             | RF Exposure Category |                           |
| FCC 47 CFR 2.1093                                            |             | Health Canada Safety Code 6 |        |               |            | 1.6 W/kg  |             | 1g average   |             | Occupational         |                           |

|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|                                                                                   | Test Report Issue Date<br>March 17, 2015   | Description of Test(s)<br>Specific Absorption Rate | RF Exposure Category<br>Occupational (Controlled) |                                                                                                                         |

**Table 6.2**

| 2.4GHz 802.11 Band - BODY SAR Evaluation Results (FCC/IC) |             |                             |        |                   |               |           |             |              |         |                      |                |
|-----------------------------------------------------------|-------------|-----------------------------|--------|-------------------|---------------|-----------|-------------|--------------|---------|----------------------|----------------|
| Date                                                      | Radio Model |                             | Plot # | Freq<br><br>(MHz) | Batt.<br>Type | Antenna   | Accessories |              | DUT     |                      | Measured SAR   |
|                                                           | M/N         | Type                        |        |                   |               |           |             |              | Spacing |                      | 1g (W/kg)      |
|                                                           |             |                             |        |                   |               |           |             |              | DUT     | ANT                  | PTT Duty Cycle |
|                                                           |             |                             |        |                   |               |           | Body        | Audio        | (mm)    | (mm)                 | 100%           |
| 04 Mar 2015                                               | XL-200P     | System                      | B53    | 2412              | Li-Ion        | 4000-1    | B1          | A1           | 20      | 22                   | 0.004          |
| 04 Mar 2015                                               | XL-200P     | System                      | B54    | 2437              | Li-Ion        | 4000-1    | B1          | A1           | 20      | 22                   | 0.005          |
| 05 Mar 2015                                               | XL-200P     | System                      | B55    | 2462              | Li-Ion        | 4000-1    | B1          | A1           | 20      | 22                   | 0.004          |
| 05 Mar 2015                                               | XL-200P     | System                      | B56    | 2472              | Li-Ion        | 4000-1    | B1          | A1           | 20      | 22                   | 0.005          |
| 05 Mar 2015                                               | XL-200P     | SCAN                        | B57    | 2437              | Li-Ion        | 4000-1    | B1          | A1           | 20      | 22                   | 0.005          |
| SAR LIMIT(S)                                              |             |                             |        |                   |               | Head/Body |             | Spatial Peak |         | RF Exposure Category |                |
| FCC 47 CFR 2.1093                                         |             | Health Canada Safety Code 6 |        |                   |               | 1.6 W/kg  |             | 1g average   |         | Occupational         |                |

**Table 6.3**

| 2.4GHz Bluetooth - BODY SAR Evaluation Results (FCC/IC) |             |                             |        |                   |               |           |             |              |                |                      |                               |
|---------------------------------------------------------|-------------|-----------------------------|--------|-------------------|---------------|-----------|-------------|--------------|----------------|----------------------|-------------------------------|
| Date                                                    | Radio Model |                             | Plot # | Freq<br><br>(MHz) | Batt.<br>Type | Antenna   | Accessories |              | DUT<br>Spacing |                      | Measured SAR<br><br>1g (W/kg) |
|                                                         | M/N         | Type                        |        |                   |               |           | Body        | Audio        | DUT            | ANT                  | PTT Duty Cycle                |
|                                                         |             |                             |        |                   |               |           |             |              | (mm)           | (mm)                 | 100%                          |
| 05 Mar 2015                                             | XL-200P     | System                      | B58    | 2480              | Li-Ion        | 4000-1    | B1          | A1           | 20             | 22                   | 0.006                         |
| SAR LIMIT(S)                                            |             |                             |        |                   |               | Head/Body |             | Spatial Peak |                | RF Exposure Category |                               |
| FCC 47 CFR 2.1093                                       |             | Health Canada Safety Code 6 |        |                   |               | 1.6 W/kg  |             | 1g average   |                | Occupational         |                               |

|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|                                                                                   | Test Report Issue Date<br>March 17, 2015   | Description of Test(s)<br>Specific Absorption Rate | RF Exposure Category<br>Occupational (Controlled) |                                                                                     |

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**Table 6.4**

| 5GHz 802.11 Band – FACE SAR Evaluation Results (FCC/IC) |             |                             |        |                   |               |           |             |              |         |                      |                |
|---------------------------------------------------------|-------------|-----------------------------|--------|-------------------|---------------|-----------|-------------|--------------|---------|----------------------|----------------|
| Date                                                    | Radio Model |                             | Plot # | Freq<br><br>(MHz) | Batt.<br>Type | Antenna   | Accessories |              | DUT     |                      | Measured SAR   |
|                                                         | M/N         | Type                        |        |                   |               |           |             |              | Spacing |                      | 1g (W/kg)      |
|                                                         |             |                             |        |                   |               |           |             |              | DUT     | ANT                  | PTT Duty Cycle |
|                                                         |             |                             |        |                   |               |           | Body        | Audio        | (mm)    | (mm)                 | 100%           |
| 09 Mar 2015                                             | XL-200P     | System                      | F54    | 5180              | Li-Ion        | 4000-1    | n/a         | n/a          | 25      | 52                   | 0.017          |
| 09 Mar 2015                                             | XL-200P     | System                      | F55    | 5240              | Li-Ion        | 4000-1    | n/a         | n/a          | 25      | 52                   | 0.020          |
| 09 Mar 2015                                             | XL-200P     | System                      | F56    | 5260              | Li-Ion        | 4000-1    | n/a         | n/a          | 25      | 52                   | 0.014          |
| 09 Mar 2015                                             | XL-200P     | System                      | F57    | 5300              | Li-Ion        | 4000-1    | n/a         | n/a          | 25      | 52                   | 0.015          |
| 09 Mar 2015                                             | XL-200P     | SCAN                        | F58    | 5240              | Li-Ion        | 4000-1    | n/a         | n/a          | 25      | 52                   | 0.018          |
| SAR LIMIT(S)                                            |             |                             |        |                   |               | Head/Body |             | Spatial Peak |         | RF Exposure Category |                |
| FCC 47 CFR 2.1093                                       |             | Health Canada Safety Code 6 |        |                   |               | 1.6 W/kg  |             | 1g average   |         | Occupational         |                |

**Table 6.5**

| 5GHz 802.11 Band - BODY SAR Evaluation Results (FCC/IC) |             |                             |        |                   |            |           |             |              |             |                      |                           |
|---------------------------------------------------------|-------------|-----------------------------|--------|-------------------|------------|-----------|-------------|--------------|-------------|----------------------|---------------------------|
| Date                                                    | Radio Model |                             | Plot # | Freq<br><br>(MHz) | Batt. Type | Antenna   | Accessories |              | DUT Spacing |                      | Measured SAR<br>1g (W/kg) |
|                                                         | M/N         | Type                        |        |                   |            |           |             |              | DUT         | ANT                  | PTT Duty Cycle            |
|                                                         |             |                             |        |                   |            |           | Body        | Audio        | (mm)        | (mm)                 | 100%                      |
| 10 Mar 2015                                             | XL-200P     | System                      | B59    | 5180              | Li-Ion     | 4000-1    | B1          | A1           | 20          | 22                   | 0.017                     |
| 10 Mar 2015                                             | XL-200P     | System                      | B60    | 5240              | Li-Ion     | 4000-1    | B1          | A1           | 20          | 22                   | 0.016                     |
| 10 Mar 2015                                             | XL-200P     | System                      | B61    | 5260              | Li-Ion     | 4000-1    | B1          | A1           | 20          | 22                   | 0.019                     |
| 10 Mar 2015                                             | XL-200P     | System                      | B62    | 5300              | Li-Ion     | 4000-1    | B1          | A1           | 20          | 22                   | 0.018                     |
| 10 Mar 2015                                             | XL-200P     | SCAN                        | B63    | 5260              | Li-Ion     | 4000-1    | B1          | A1           | 20          | 22                   | 0.031                     |
| SAR LIMIT(S)                                            |             |                             |        |                   |            | Head/Body |             | Spatial Peak |             | RF Exposure Category |                           |
| FCC 47 CFR 2.1093                                       |             | Health Canada Safety Code 6 |        |                   |            | 1.6 W/kg  |             | 1g average   |             | Occupational         |                           |

|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|                                                                                   |                                                   |                                                           |                                                          |                                                                                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## 7.0 SCALING OF MAXIMUM MEASURE SAR

Table 7.0

| Scaling for WiFi and BlueTooth |               |                 |                      |                   |
|--------------------------------|---------------|-----------------|----------------------|-------------------|
| Original SAR (W/kg)            | Configuration | WiFi SAR (W/kg) | BlueTooth SAR (W/kg) | Scaled SAR (W/kg) |
| <b>FCC</b>                     |               |                 |                      |                   |
| 1.88                           | Head          | 0.020           | 0.003                | 1.90              |
| 5.20                           | Body          | 0.031           | 0.006                | 5.24              |
| <b>IC</b>                      |               |                 |                      |                   |
| 1.95                           | Head          | 0.020           | 0.003                | 1.97              |
| 5.46                           | Body          | 0.031           | 0.006                | 5.50              |

|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|                                                                                   |                                                   |                                                           |                                                          |                                                                                     |
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|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              |  |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                     |

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## 8.0 SAR EXPOSURE LIMITS

**Table 8.0**

| <b>SAR RF EXPOSURE LIMITS</b>                                                                                                                                                                  |                                        |                                                         |                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------|-------------------------------------------------|
| <b>FCC 47 CFR 2.1093</b>                                                                                                                                                                       | <b>Health Canada<br/>Safety Code 6</b> | <b>(General Population /<br/>Uncontrolled Exposure)</b> | <b>(Occupational /<br/>Controlled Exposure)</b> |
| <b>Spatial Average</b><br>(averaged over the whole body)                                                                                                                                       |                                        | 0.08 W/kg                                               | 0.4 W/kg                                        |
| <b>Spatial Peak</b><br>(averaged over any 1 g of tissue)                                                                                                                                       |                                        | 1.6 W/kg                                                | <b>8.0 W/kg</b>                                 |
| <b>Spatial Peak</b><br>(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 to individuals who have no knowledge or control of their potential exposure.                              |                                        |                                                         |                                                 |
| Controlled environments are defined as locations where there is potential exposure to individuals who have knowledge of their potential exposure and can exercise control over their exposure. |                                        |                                                         |                                                 |

|                         |                                                                                                                      |                                                           |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>Harris Corporation</b>                                                                                            | <b>Class II Change for addition of WiFi and BlueTooth</b> |  |
| <b>DUT Type:</b>        | <b>XL-200P Multi-Band Portable PTT Transceiver</b>                                                                   |                                                           |                                                                                       |
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|                                                                                   |                                                   |                                                           |                                                          |                                                                                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## 9.0 DETAILS OF SAR EVALUATION

| EVALUATION DETAILS |                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                  | The test channels selected for the SAR evaluations were based test procedures FCC KDB 447498 and IEC 62209-1. The procedure yielding the highest channel count was applied.                                                                                                                                                                                                |
| 2                  | The DUT was evaluated for SAR in accordance with the procedures described in FCC KDB 643646.                                                                                                                                                                                                                                                                               |
| 3                  | The Scan radio model differs from the System radio model in front keypad only. The scan radio was evaluated for the worst case configuration of the SAR evaluation.                                                                                                                                                                                                        |
| 4                  | 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 continuously depressed. For a Push-To-Talk (PTT) device, the 50% duty cycle compensation reported assumes a transmit/receive cycle of equal time base. |
| 5                  | A single point SAR measurement was taken prior to the Area Scan and after the Zoom Scan and the SAR drift of the DUT was evaluated. The measured SAR drift was added to the measured SAR levels of the Maximum <b>reported</b> SAR (IC/EU only).                                                                                                                           |
| 6                  | Each SAR evaluations were performed with a fully charged battery.                                                                                                                                                                                                                                                                                                          |
| 7                  | The fluid temperature remained within +/-2°C from the time of the fluid dielectric parameter measurement to the completion of the SAR evaluation.                                                                                                                                                                                                                          |
| 8                  | The fluid temperature remained within +/-0.5°C throughout the test day.                                                                                                                                                                                                                                                                                                    |

|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|                                                                                   |                                            |                                                    |                                                   |                                                                                     |
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|  | Date(s) of Evaluation<br>March 2 – 10 2015 | Test Report Serial No.<br>031315OWD-1302-S         | Test Report Revision No.<br>Rev. 1.1              |  |
|                                                                                   | Test Report Issue Date<br>March 17, 2015   | Description of Test(s)<br>Specific Absorption Rate | RF Exposure Category<br>Occupational (Controlled) |                                                                                     |

Test Lab Certificate No. 2470.01

## 10.0 MEASUREMENT UNCERTAINTIES

**Table 10.0**

### UNCERTAINTY BUDGET FOR DEVICE EVALUATION (IEEE 1528-2013 Table 9)

| Uncertainty Component                                                          | IEEE 1528 Section | Uncertainty Value $\pm\%$ | Probability Distribution | Divisor     | ci 1g | ci 10g | Uncertainty Value $\pm\%$ (1g) | Uncertainty Value $\pm\%$ (10g) | $V_i$ or $V_{eff}$ |
|--------------------------------------------------------------------------------|-------------------|---------------------------|--------------------------|-------------|-------|--------|--------------------------------|---------------------------------|--------------------|
| <b>Measurement System</b>                                                      |                   |                           |                          |             |       |        |                                |                                 |                    |
| Probe Calibration*                                                             | E.2.1             | 6.6                       | Normal                   | 1           | 1     | 1      | 6.60                           | 6.60                            | $\infty$           |
| Axial Isotropy*                                                                | E.2.2             | 4.7                       | Rectangular              | 1.732050808 | 0.7   | 0.7    | 1.9                            | 1.9                             | $\infty$           |
| Hemispherical Isotropy*                                                        | E.2.2             | 9.6                       | Rectangular              | 1.732050808 | 0.7   | 0.7    | 3.9                            | 3.9                             | $\infty$           |
| Boundary Effect*                                                               | E.2.3             | 8.3                       | Rectangular              | 1.732050808 | 1     | 1      | 4.8                            | 4.8                             | $\infty$           |
| Linearity*                                                                     | E.2.4             | 4.7                       | Rectangular              | 1.732050808 | 1     | 1      | 2.7                            | 2.7                             | $\infty$           |
| System Detection Limits*                                                       | E.2.4             | 1.0                       | Rectangular              | 1.732050808 | 1     | 1      | 0.6                            | 0.6                             | $\infty$           |
| Modulation Response                                                            | E.2.5             | 4.0                       | Rectangular              | 1.732050808 | 1     | 1      | 2.3                            | 2.3                             | $\infty$           |
| Readout Electronics*                                                           | E.2.6             | 1.0                       | Normal                   | 1           | 1     | 1      | 1.0                            | 1.0                             | $\infty$           |
| Response Time*                                                                 | E.2.7             | 0.8                       | Rectangular              | 1.732050808 | 1     | 1      | 0.5                            | 0.5                             | $\infty$           |
| Integration Time*                                                              | E.2.8             | 1.4                       | Rectangular              | 1.732050808 | 1     | 1      | 0.8                            | 0.8                             | $\infty$           |
| RF Ambient Conditions - Noise                                                  | E.6.1             | 0.0                       | Rectangular              | 1.732050808 | 1     | 1      | 0.0                            | 0.0                             | $\infty$           |
| RF Ambient Conditions - Reflection                                             | E.6.1             | 0.0                       | Rectangular              | 1.732050808 | 1     | 1      | 0.0                            | 0.0                             | $\infty$           |
| Probe Positioner Mechanical Tolerance*                                         | E.6.2             | 0.4                       | Rectangular              | 1.732050808 | 1     | 1      | 0.2                            | 0.2                             | $\infty$           |
| Probe Positioning wrt Phantom Shell*                                           | E.6.3             | 2.9                       | Rectangular              | 1.732050808 | 1     | 1      | 1.7                            | 1.7                             | $\infty$           |
| Extrapolation, interpolation & integration algorithms for max. SAR evaluation* | E.5               | 3.9                       | Rectangular              | 1.732050808 | 1     | 1      | 2.3                            | 2.3                             | $\infty$           |
| <b>Test Sample Related</b>                                                     |                   |                           |                          |             |       |        |                                |                                 |                    |
| Test Sample Positioning                                                        | E.4.2             | 0.3                       | Normal                   | 1           | 1     | 1      | 0.3                            | 0.3                             | 5                  |
| Device Holder Uncertainty*                                                     | E.4.1             | 3.6                       | Normal                   | 1           | 1     | 1      | 3.6                            | 3.6                             | $\infty$           |
| SAR Drift Measurement**                                                        | E.2.9             | 0.0                       | Rectangular              | 1.732050808 | 1     | 1      | 0.0                            | 0.0                             | $\infty$           |
| SAR Scaling***                                                                 | E.6.5             | 2.0                       | Rectangular              | 1.732050808 | 1     | 1      | 1.2                            | 1.2                             | $\infty$           |
| <b>Phantom and Tissue Parameters</b>                                           |                   |                           |                          |             |       |        |                                |                                 |                    |
| Phantom Uncertainty*                                                           | E.3.1             | 4.0                       | Rectangular              | 1.732050808 | 1     | 1      | 2.3                            | 2.3                             | $\infty$           |
| SAR Correction Uncertainty                                                     | E.3.2             | 1.2                       | Normal                   | 1           | 1     | 0.84   | 1.2                            | 1.0                             | $\infty$           |
| Liquid Conductivity (measurement)                                              | E.3.3             | 6.8                       | Normal                   | 1           | 0.78  | 0.71   | 5.3                            | 4.8                             | 10                 |
| Liquid Permittivity (measurement)                                              | E.3.3             | 5.3                       | Normal                   | 1           | 0.23  | 0.26   | 1.2                            | 1.4                             | 10                 |
| Liquid Conductivity (Temperature)                                              | E.3.2             | 0.1                       | Rectangular              | 1.732050808 | 0.78  | 0.71   | 0.1                            | 0.0                             | $\infty$           |
| Liquid Permittivity Temperature)                                               | E.3.2             | 0.0                       | Rectangular              | 1.732050808 | 0.23  | 0.26   | 0.0                            | 0.0                             | $\infty$           |
| <b>Effective Degrees of Freedom<sup>(1)</sup></b>                              |                   |                           |                          |             |       |        |                                | <b><math>V_{eff} =</math></b>   | <b>873.2</b>       |
| <b>Combined Standard Uncertainty</b>                                           |                   |                           | <b>RSS</b>               |             |       |        | <b>12.59</b>                   | <b>12.40</b>                    |                    |
| <b>Expanded Uncertainty (95% Confidence Interval)</b>                          |                   |                           | <b>k=2</b>               |             |       |        | <b>25.18</b>                   | <b>24.80</b>                    |                    |

Measurement Uncertainty Table in accordance with IEEE Standard 1528-2003

(1) The Effective Degrees of Freedom is > 30 therefore a coverage factor of k=2 represents an approximate confidence level of 95%.

\* Provided by SPEAG

|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

**Table 10.1**

**Calculation of the Degrees and Effective Degrees of Freedom**

|               |                                                                       |
|---------------|-----------------------------------------------------------------------|
| $v_i = n - 1$ | $v_{\text{eff}} = \frac{u_c^4}{m \sum_{i=1} \frac{c_i^4 u_i^4}{v_i}}$ |
|---------------|-----------------------------------------------------------------------|

## 11.0 TISSUE SIMULATING LIQUID (TSL) RECIPE

| Table 11.0               |             |
|--------------------------|-------------|
| Simulated Tissue Mixture |             |
| Frequency:               | Fluid Type  |
| 2450 MHz                 | HEAD        |
| Ingredient               | % by Weight |
| Water                    | 52.0        |
| Glycol                   | 48.0        |
| Salt                     | 0           |
| HEC                      | 0           |
| Bacteriacide             | 0           |

| Table 11.1               |             |
|--------------------------|-------------|
| Simulated Tissue Mixture |             |
| Frequency:               | Fluid Type  |
| 2450MHz                  | BODY        |
| Ingredient               | % by Weight |
| Water                    | 69.98       |
| Glycol                   | 30.0        |
| Salt                     | 0.02        |
| HEC                      | 0           |
| Bacteriacide             | 0           |

**Table 11.2**

| Simulated Tissue Mixture                                     |                   |
|--------------------------------------------------------------|-------------------|
| <b>Frequency:</b>                                            | <b>Fluid Type</b> |
| <b>5000 MHz</b>                                              | <b>HEAD</b>       |
| <b>SPEAG HBBL-5800V5</b><br><b>Part Number: SL AAH 502AC</b> |                   |
| Proprietary                                                  |                   |

**Table 11.3**

| Simulated Tissue Mixture                                         |                   |
|------------------------------------------------------------------|-------------------|
| <b>Frequency:</b>                                                | <b>Fluid Type</b> |
| <b>5000 MHz</b>                                                  | <b>BODY</b>       |
| <b>SPEAG MBBL3500-5800V5</b><br><b>Part Number: SL AAM 501EA</b> |                   |
| Proprietary                                                      |                   |

|                                                                                   |                                            |                                                    |                                                   |                                                                                     |
|-----------------------------------------------------------------------------------|--------------------------------------------|----------------------------------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------|
|  | Date(s) of Evaluation<br>March 2 – 10 2015 | Test Report Serial No.<br>031315OWD-1302-S         | Test Report Revision No.<br>Rev. 1.1              |  |
|                                                                                   | Test Report Issue Date<br>March 17, 2015   | Description of Test(s)<br>Specific Absorption Rate | RF Exposure Category<br>Occupational (Controlled) |                                                                                     |

Test Lab Certificate No. 2470.01

## 12.0 FLUID DIELECTRIC PARAMETERS

Table 12.0

| FLUID DIELECTRIC PARAMETERS |             |            |          |          |                        |                        | Interpolated |
|-----------------------------|-------------|------------|----------|----------|------------------------|------------------------|--------------|
| Date:                       | 26 Feb 2015 | Frequency: |          | 2450MHz  | Tissue:                | Head                   |              |
| Freq (MHz)                  | Test_e      | Test_s     | Target_e | Target_s | Deviation Permittivity | Deviation Conductivity |              |
| 2350.0000                   | 39.97       | 1.84       | 39.38    | 1.71     | 1.50%                  | 7.60%                  |              |
| 2360.0000                   | 39.92       | 1.84       | 39.36    | 1.72     | 1.42%                  | 6.98%                  |              |
| 2370.0000                   | 39.69       | 1.82       | 39.34    | 1.73     | 0.89%                  | 5.20%                  |              |
| 2380.0000                   | 39.65       | 1.83       | 39.32    | 1.74     | 0.84%                  | 5.17%                  |              |
| 2390.0000                   | 39.53       | 1.85       | 39.31    | 1.75     | 0.56%                  | 5.71%                  |              |
| 2400.0000                   | 39.40       | 1.88       | 39.29    | 1.76     | 0.28%                  | 6.82%                  |              |
| 2410.0000                   | 39.32       | 1.90       | 39.27    | 1.76     | 0.13%                  | 7.95%                  |              |
| 2412.0000                   | 39.31       | 1.90       | 39.27    | 1.76     | 0.11%                  | 7.95%                  | X            |
| 2420.0000                   | 39.26       | 1.91       | 39.25    | 1.77     | 0.03%                  | 7.91%                  |              |
| 2430.0000                   | 39.22       | 1.94       | 39.24    | 1.78     | -0.05%                 | 8.99%                  |              |
| 2437.0000                   | 39.16       | 1.97       | 39.23    | 1.79     | -0.16%                 | 10.13%                 | X            |
| 2440.0000                   | 39.14       | 1.98       | 39.22    | 1.79     | -0.20%                 | 10.61%                 |              |
| 2450.0000                   | 38.93       | 1.94       | 39.20    | 1.80     | -0.69%                 | 7.78%                  |              |
| 2460.0000                   | 39.35       | 1.93       | 39.19    | 1.81     | 0.41%                  | 6.63%                  |              |
| 2470.0000                   | 39.33       | 1.98       | 39.17    | 1.82     | 0.41%                  | 8.79%                  |              |
| 2472.0000                   | 39.31       | 1.98       | 39.17    | 1.82     | 0.37%                  | 8.45%                  | X            |
| 2480.0000                   | 39.24       | 1.96       | 39.16    | 1.83     | 0.20%                  | 7.10%                  |              |
| 2482.0000                   | 39.24       | 1.96       | 39.16    | 1.83     | 0.20%                  | 6.88%                  | X            |
| 2490.0000                   | 39.22       | 1.95       | 39.15    | 1.84     | 0.18%                  | 5.98%                  |              |
| 2500.0000                   | 39.05       | 1.98       | 39.14    | 1.85     | -0.23%                 | 7.03%                  |              |
| 2510.0000                   | 38.68       | 1.99       | 39.12    | 1.87     | -1.12%                 | 6.42%                  |              |
| 2520.0000                   | 38.63       | 2.01       | 39.11    | 1.88     | -1.23%                 | 6.91%                  |              |
| 2530.0000                   | 38.69       | 2.05       | 39.10    | 1.89     | -1.05%                 | 8.47%                  |              |
| 2540.0000                   | 38.83       | 2.09       | 39.09    | 1.90     | -0.67%                 | 10.00%                 |              |
| 2550.0000                   | 38.78       | 2.07       | 39.07    | 1.91     | -0.74%                 | 8.38%                  |              |

X = Interpolated by DASY 4 System

= Test Channel Used

|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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**Table 12.1**

| FLUID DIELECTRIC PARAMETERS |             |            |          |          |                        |                        | Interpolated |
|-----------------------------|-------------|------------|----------|----------|------------------------|------------------------|--------------|
| Date:                       | 04 Mar 2015 | Frequency: |          | 2450MHz  | Tissue:                | Body                   |              |
| Freq (MHz)                  | Test_e      | Test_s     | Target_e | Target_s | Deviation Permittivity | Deviation Conductivity |              |
| 2350.0000                   | 51.56       | 1.86       | 52.83    | 1.85     | -2.40%                 | 0.54%                  |              |
| 2360.0000                   | 51.78       | 1.88       | 52.82    | 1.86     | -1.97%                 | 1.08%                  |              |
| 2370.0000                   | 51.53       | 1.87       | 52.81    | 1.87     | -2.42%                 | 0.00%                  |              |
| 2380.0000                   | 51.56       | 1.88       | 52.79    | 1.88     | -2.33%                 | 0.00%                  |              |
| 2390.0000                   | 51.43       | 1.90       | 52.78    | 1.89     | -2.56%                 | 0.53%                  |              |
| 2400.0000                   | 51.19       | 1.93       | 52.77    | 1.90     | -2.99%                 | 1.58%                  |              |
| 2410.0000                   | 51.38       | 1.94       | 52.75    | 1.91     | -2.60%                 | 1.57%                  |              |
| 2412.0000                   | 51.34       | 1.94       | 52.75    | 1.91     | -2.66%                 | 1.67%                  | X            |
| 2420.0000                   | 51.20       | 1.96       | 52.74    | 1.92     | -2.92%                 | 2.08%                  |              |
| 2430.0000                   | 50.97       | 1.96       | 52.73    | 1.93     | -3.34%                 | 1.55%                  |              |
| 2437.0000                   | 51.22       | 1.99       | 52.72    | 1.94     | -2.85%                 | 2.63%                  | X            |
| 2440.0000                   | 51.32       | 2.00       | 52.71    | 1.94     | -2.64%                 | 3.09%                  |              |
| 2450.0000                   | 51.17       | 1.99       | 52.70    | 1.95     | -2.90%                 | 2.05%                  |              |
| 2460.0000                   | 51.09       | 2.03       | 52.69    | 1.96     | -3.04%                 | 3.57%                  |              |
| 2470.0000                   | 50.96       | 2.01       | 52.67    | 1.98     | -3.25%                 | 1.52%                  |              |
| 2472.0000                   | 50.99       | 2.02       | 52.67    | 1.98     | -3.19%                 | 1.72%                  | X            |
| 2480.0000                   | 51.10       | 2.04       | 52.66    | 1.99     | -2.96%                 | 2.51%                  |              |
| 2482.0000                   | 51.07       | 2.04       | 52.66    | 1.99     | -3.02%                 | 2.31%                  | X            |
| 2490.0000                   | 50.93       | 2.04       | 52.65    | 2.01     | -3.27%                 | 1.49%                  |              |
| 2500.0000                   | 51.13       | 2.05       | 52.64    | 2.02     | -2.87%                 | 1.49%                  |              |
| 2510.0000                   | 50.86       | 2.08       | 52.62    | 2.04     | -3.34%                 | 1.96%                  |              |
| 2520.0000                   | 50.86       | 2.08       | 52.61    | 2.05     | -3.33%                 | 1.46%                  |              |
| 2530.0000                   | 50.87       | 2.09       | 52.60    | 2.06     | -3.29%                 | 1.46%                  |              |
| 2540.0000                   | 50.82       | 2.12       | 52.59    | 2.08     | -3.37%                 | 1.92%                  |              |
| 2550.0000                   | 50.81       | 2.13       | 52.57    | 2.09     | -3.35%                 | 1.91%                  |              |

X = Interpolated by DASY 4 System

= Test Channel Used

|                                                                                   |                                                   |                                                           |                                                          |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              |  |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                     |

Test Lab Certificate No. 2470.01

**Table 12.2**

| FLUID DIELECTRIC PARAMETERS |             |            |          |          |                        |                        | Interpolated |
|-----------------------------|-------------|------------|----------|----------|------------------------|------------------------|--------------|
| Date:                       | 06 Mar 2015 | Frequency: |          | 5200MHz  | Tissue:                | Head                   |              |
| Freq (MHz)                  | Test_e      | Test_s     | Target_e | Target_s | Deviation Permittivity | Deviation Conductivity |              |
| 5100.0000                   | 34.27       | 4.36       | 36.10    | 4.55     | -5.07%                 | -4.18%                 |              |
| 5110.0000                   | 34.16       | 4.32       | 36.09    | 4.56     | -5.35%                 | -5.26%                 |              |
| 5120.0000                   | 34.02       | 4.39       | 36.08    | 4.57     | -5.71%                 | -3.94%                 |              |
| 5130.0000                   | 33.84       | 4.43       | 36.07    | 4.58     | -6.18%                 | -3.28%                 |              |
| 5140.0000                   | 33.96       | 4.37       | 36.05    | 4.59     | -5.80%                 | -4.79%                 |              |
| 5150.0000                   | 34.16       | 4.48       | 36.04    | 4.60     | -5.22%                 | -2.61%                 |              |
| 5160.0000                   | 33.87       | 4.44       | 36.03    | 4.61     | -6.00%                 | -3.69%                 |              |
| 5170.0000                   | 33.82       | 4.50       | 36.02    | 4.62     | -6.11%                 | -2.60%                 |              |
| 5180.0000                   | 33.81       | 4.41       | 36.01    | 4.63     | -6.11%                 | -4.75%                 | X            |
| 5190.0000                   | 33.80       | 4.54       | 36.00    | 4.64     | -6.11%                 | -2.16%                 |              |
| 5200.0000                   | 33.92       | 4.49       | 35.99    | 4.65     | -5.75%                 | -3.44%                 |              |
| 5210.0000                   | 33.89       | 4.60       | 35.97    | 4.67     | -5.78%                 | -1.50%                 |              |
| 5220.0000                   | 33.99       | 4.55       | 35.96    | 4.68     | -5.48%                 | -2.78%                 |              |
| 5230.0000                   | 33.83       | 4.59       | 35.95    | 4.69     | -5.90%                 | -2.13%                 |              |
| 5240.0000                   | 33.72       | 4.58       | 35.94    | 4.70     | -6.18%                 | -2.55%                 | X            |
| 5250.0000                   | 33.68       | 4.57       | 35.93    | 4.71     | -6.26%                 | -2.97%                 |              |
| 5260.0000                   | 33.68       | 4.61       | 35.92    | 4.72     | -6.24%                 | -2.33%                 | X            |
| 5270.0000                   | 33.72       | 4.52       | 35.91    | 4.73     | -6.10%                 | -4.44%                 |              |
| 5280.0000                   | 33.52       | 4.62       | 35.89    | 4.74     | -6.60%                 | -2.53%                 |              |
| 5290.0000                   | 33.46       | 4.58       | 35.88    | 4.75     | -6.74%                 | -3.58%                 |              |
| 5300.0000                   | 33.81       | 4.65       | 35.87    | 4.76     | -5.74%                 | -2.31%                 | X            |

X = Interpolated by DASY 4 System

= Test Channel Used

|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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**Table 12.3**

| FLUID DIELECTRIC PARAMETERS |             |            |          |          |                        |                        | Interpolated |
|-----------------------------|-------------|------------|----------|----------|------------------------|------------------------|--------------|
| Date:                       | 10 Mar 2015 | Frequency: |          | 5200MHz  | Tissue:                | Body                   |              |
| Freq (MHz)                  | Test_e      | Test_s     | Target_e | Target_s | Deviation Permittivity | Deviation Conductivity |              |
| 5100.0000                   | 48.28       | 5.37       | 49.15    | 5.18     | -1.77%                 | 3.67%                  |              |
| 5110.0000                   | 48.34       | 5.45       | 49.14    | 5.19     | -1.63%                 | 5.01%                  |              |
| 5120.0000                   | 48.38       | 5.45       | 49.12    | 5.21     | -1.51%                 | 4.61%                  |              |
| 5130.0000                   | 48.61       | 5.32       | 49.11    | 5.22     | -1.02%                 | 1.92%                  |              |
| 5140.0000                   | 48.64       | 5.49       | 49.10    | 5.23     | -0.94%                 | 4.97%                  |              |
| 5150.0000                   | 48.11       | 5.45       | 49.08    | 5.24     | -1.98%                 | 4.01%                  |              |
| 5160.0000                   | 48.37       | 5.52       | 49.07    | 5.25     | -1.43%                 | 5.14%                  |              |
| 5170.0000                   | 48.27       | 5.47       | 49.06    | 5.26     | -1.61%                 | 3.99%                  |              |
| 5180.0000                   | 48.26       | 5.55       | 49.04    | 5.28     | -1.59%                 | 5.11%                  | X            |
| 5190.0000                   | 48.59       | 5.56       | 49.03    | 5.29     | -0.90%                 | 5.10%                  |              |
| 5200.0000                   | 48.35       | 5.59       | 49.01    | 5.30     | -1.35%                 | 5.47%                  |              |
| 5210.0000                   | 48.37       | 5.60       | 49.00    | 5.31     | -1.29%                 | 5.46%                  |              |
| 5220.0000                   | 47.92       | 5.53       | 48.99    | 5.32     | -2.18%                 | 3.95%                  |              |
| 5230.0000                   | 47.94       | 5.66       | 48.97    | 5.33     | -2.10%                 | 6.19%                  |              |
| 5240.0000                   | 47.87       | 5.55       | 48.96    | 5.35     | -2.23%                 | 3.74%                  | X            |
| 5250.0000                   | 48.01       | 5.75       | 48.95    | 5.36     | -1.92%                 | 7.28%                  |              |
| 5260.0000                   | 48.01       | 5.62       | 48.93    | 5.37     | -1.88%                 | 4.66%                  | X            |
| 5270.0000                   | 48.03       | 5.73       | 48.92    | 5.38     | -1.82%                 | 6.51%                  |              |
| 5280.0000                   | 48.17       | 5.65       | 48.91    | 5.39     | -1.51%                 | 4.82%                  |              |
| 5290.0000                   | 48.24       | 5.67       | 48.89    | 5.40     | -1.33%                 | 5.00%                  |              |
| 5300.0000                   | 48.02       | 5.68       | 48.88    | 5.42     | -1.76%                 | 4.80%                  | X            |

X = Interpolated by DASY 4 System

= Test Channel Used

|                                                                                   |                                                   |                                                           |                                                          |                                                                                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

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Aprel Laboratory  
 Test Result for UIM Dielectric Parameter  
 Thu 26/Feb/2015 14:05:52  
 Freq 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 |
|--------|--------------|--------|--------|
| 2.3500 | 39.38        | 1.71   | 39.97  |
| 2.3600 | 39.36        | 1.72   | 39.92  |
| 2.3700 | 39.34        | 1.73   | 39.69  |
| 2.3800 | 39.32        | 1.74   | 39.65  |
| 2.3900 | 39.31        | 1.75   | 39.53  |
| 2.4000 | 39.29        | 1.76   | 39.40  |
| 2.4100 | 39.27        | 1.76   | 39.32  |
| 2.4200 | 39.25        | 1.77   | 39.26  |
| 2.4300 | 39.24        | 1.78   | 39.22  |
| 2.4400 | 39.22        | 1.79   | 39.14  |
| 2.4500 | 39.20        | 1.80   | 38.93  |
| 2.4600 | 39.19        | 1.81   | 39.35  |
| 2.4700 | 39.17        | 1.82   | 39.33  |
| 2.4800 | 39.16        | 1.83   | 39.24  |
| 2.4900 | 39.15        | 1.84   | 39.22  |
| 2.5000 | 39.14        | 1.85   | 39.05  |
| 2.5100 | 39.12        | 1.87   | 38.68  |
| 2.5200 | 39.11        | 1.88   | 38.63  |
| 2.5300 | 39.10        | 1.89   | 38.69  |
| 2.5400 | 39.09        | 1.90   | 38.83  |
| 2.5500 | 39.07        | 1.91   | 38.78  |

|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|                                                                                   |                                                   |                                                           |                                                          |                                                                                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

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Aprel Laboratory  
 Test Result for UIM Dielectric Parameter  
 Wed 04/Mar/2015 12:33:42  
 Freq Frequency(GHz)  
 FCC\_eHFCC Bulletin 65 Supplement C ( June 2001) Limits for Head Epsilon  
 FCC\_sHFCC Bulletin 65 Supplement C (June 2001) Limits for Head Sigma  
 FCC\_eBFCC Limits for Body Epsilon  
 FCC\_sBFCC Limits for Body Sigma  
 Test\_e Epsilon of UIM  
 Test\_s Sigma of UIM

\*\*\*\*\*

| Freq   | FCC_eB | FCC_sB | Test_e | Test_s |
|--------|--------|--------|--------|--------|
| 2.3500 | 52.83  | 1.85   | 51.56  | 1.86   |
| 2.3600 | 52.82  | 1.86   | 51.78  | 1.88   |
| 2.3700 | 52.81  | 1.87   | 51.53  | 1.87   |
| 2.3800 | 52.79  | 1.88   | 51.56  | 1.88   |
| 2.3900 | 52.78  | 1.89   | 51.43  | 1.90   |
| 2.4000 | 52.77  | 1.90   | 51.19  | 1.93   |
| 2.4100 | 52.75  | 1.91   | 51.38  | 1.94   |
| 2.4200 | 52.74  | 1.92   | 51.20  | 1.96   |
| 2.4300 | 52.73  | 1.93   | 50.97  | 1.96   |
| 2.4400 | 52.71  | 1.94   | 51.32  | 2.00   |
| 2.4500 | 52.70  | 1.95   | 51.17  | 1.99   |
| 2.4600 | 52.69  | 1.96   | 51.09  | 2.03   |
| 2.4700 | 52.67  | 1.98   | 50.96  | 2.01   |
| 2.4800 | 52.66  | 1.99   | 51.10  | 2.04   |
| 2.4900 | 52.65  | 2.01   | 50.93  | 2.04   |
| 2.5000 | 52.64  | 2.02   | 51.13  | 2.05   |
| 2.5100 | 52.62  | 2.04   | 50.86  | 2.08   |
| 2.5200 | 52.61  | 2.05   | 50.86  | 2.08   |
| 2.5300 | 52.60  | 2.06   | 50.87  | 2.09   |
| 2.5400 | 52.59  | 2.08   | 50.82  | 2.12   |
| 2.5500 | 52.57  | 2.09   | 50.81  | 2.13   |

|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|                                                                                   |                                                   |                                                           |                                                          |                                                                                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

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Aprel Laboratory  
 Test Result for UIM Dielectric Parameter  
 Fri 06/Mar/2015 11:09:55  
 Freq 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 |
|--------|--------------|--------|--------|
| 5.1000 | 36.10        | 4.55   | 34.27  |
| 5.1100 | 36.09        | 4.56   | 34.16  |
| 5.1200 | 36.08        | 4.57   | 34.02  |
| 5.1300 | 36.07        | 4.58   | 33.84  |
| 5.1400 | 36.05        | 4.59   | 33.96  |
| 5.1500 | 36.04        | 4.60   | 34.16  |
| 5.1600 | 36.03        | 4.61   | 33.87  |
| 5.1700 | 36.02        | 4.62   | 33.82  |
| 5.1800 | 36.01        | 4.63   | 33.81  |
| 5.1900 | 36.00        | 4.64   | 33.80  |
| 5.2000 | 35.99        | 4.65   | 33.92  |
| 5.2100 | 35.97        | 4.67   | 33.89  |
| 5.2200 | 35.96        | 4.68   | 33.99  |
| 5.2300 | 35.95        | 4.69   | 33.83  |
| 5.2400 | 35.94        | 4.70   | 33.72  |
| 5.2500 | 35.93        | 4.71   | 33.68  |
| 5.2600 | 35.92        | 4.72   | 33.68  |
| 5.2700 | 35.91        | 4.73   | 33.72  |
| 5.2800 | 35.89        | 4.74   | 33.52  |
| 5.2900 | 35.88        | 4.75   | 33.46  |
| 5.3000 | 35.87        | 4.76   | 33.81  |

|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|                                                                                   |                                                   |                                                           |                                                          |                                                                                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

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Aprel Laboratory  
 Test Result for UIM Dielectric Parameter  
 Tue 10/Mar/2015 11:23:14  
 Freq Frequency(GHz)  
 FCC\_eHFCC Bulletin 65 Supplement C ( June 2001) Limits for Head Epsilon  
 FCC\_sHFCC Bulletin 65 Supplement C (June 2001) Limits for Head Sigma  
 FCC\_eBFCC Limits for Body Epsilon  
 FCC\_sBFCC Limits for Body Sigma  
 Test\_e Epsilon of UIM  
 Test\_s Sigma of UIM

\*\*\*\*\*

| Freq   | FCC_eB | FCC_sB | Test_e | Test_s |
|--------|--------|--------|--------|--------|
| 5.1000 | 49.15  | 5.18   | 48.28  | 5.37   |
| 5.1100 | 49.14  | 5.19   | 48.34  | 5.45   |
| 5.1200 | 49.12  | 5.21   | 48.38  | 5.45   |
| 5.1300 | 49.11  | 5.22   | 48.61  | 5.32   |
| 5.1400 | 49.10  | 5.23   | 48.64  | 5.49   |
| 5.1500 | 49.08  | 5.24   | 48.11  | 5.45   |
| 5.1600 | 49.07  | 5.25   | 48.37  | 5.52   |
| 5.1700 | 49.06  | 5.26   | 48.27  | 5.47   |
| 5.1800 | 49.04  | 5.28   | 48.26  | 5.55   |
| 5.1900 | 49.03  | 5.29   | 48.59  | 5.56   |
| 5.2000 | 49.01  | 5.30   | 48.35  | 5.59   |
| 5.2100 | 49.00  | 5.31   | 48.37  | 5.60   |
| 5.2200 | 48.99  | 5.32   | 47.92  | 5.53   |
| 5.2300 | 48.97  | 5.33   | 47.94  | 5.66   |
| 5.2400 | 48.96  | 5.35   | 47.87  | 5.55   |
| 5.2500 | 48.95  | 5.36   | 48.01  | 5.75   |
| 5.2600 | 48.93  | 5.37   | 48.01  | 5.62   |
| 5.2700 | 48.92  | 5.38   | 48.03  | 5.73   |
| 5.2800 | 48.91  | 5.39   | 48.17  | 5.65   |
| 5.2900 | 48.89  | 5.40   | 48.24  | 5.67   |
| 5.3000 | 48.88  | 5.42   | 48.02  | 5.68   |

|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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### 13.0 SYSTEM VERIFICATION TEST RESULTS

Table 13.0

| System Verification Test Results |        |                        |               |                     |                       |                            |                          |                           |              |        |           |
|----------------------------------|--------|------------------------|---------------|---------------------|-----------------------|----------------------------|--------------------------|---------------------------|--------------|--------|-----------|
| Date                             |        | Frequency<br><br>(MHz) | Fluid<br>Type | Fluid<br>Temp<br>°C | Ambient<br>Temp<br>°C | Ambient<br>Humidity<br>(%) | Forward<br>Power<br>(mW) | Dipole<br>Spacing<br>(mm) | Validation   |        |           |
|                                  |        |                        |               |                     |                       |                            |                          |                           | Source       |        |           |
|                                  |        |                        |               |                     |                       |                            |                          |                           | P/N          |        | S/N       |
| 26 Feb 2015                      |        | 2450                   | Head          | 22.2                | 23                    | 13%                        | 250                      | 10                        | D2450V2      |        | 825       |
| SAR                              |        |                        |               |                     |                       | Fluid Parameters           |                          |                           |              |        |           |
| 1 gram                           |        |                        | 10 gram       |                     |                       | Permittivity               |                          |                           | Conductivity |        |           |
| Measured                         | Target | Deviation              | Measured      | Target              | Deviation             | Measured                   | Target                   | Deviation                 | Measured     | Target | Deviation |
| 11.90                            | 12.70  | -6.30%                 | 5.40          | 5.90                | -8.47%                | 38.93                      | 39.20                    | -0.69%                    | 1.94         | 1.80   | 7.78%     |

Table 13.1

| System Verification Test Results |        |                        |               |                     |                       |                            |                          |                           |              |        |           |
|----------------------------------|--------|------------------------|---------------|---------------------|-----------------------|----------------------------|--------------------------|---------------------------|--------------|--------|-----------|
| Date                             |        | Frequency<br><br>(MHz) | Fluid<br>Type | Fluid<br>Temp<br>°C | Ambient<br>Temp<br>°C | Ambient<br>Humidity<br>(%) | Forward<br>Power<br>(mW) | Dipole<br>Spacing<br>(mm) | Validation   |        |           |
|                                  |        |                        |               |                     |                       |                            |                          |                           | Source       |        |           |
|                                  |        |                        |               |                     |                       |                            |                          |                           | P/N          |        | S/N       |
| 4 March 2015                     |        | 2450                   | Body          | 21.0                | 23                    | 11%                        | 250                      | 10                        | D2450V2      |        | 825       |
| SAR                              |        |                        |               |                     |                       | Fluid Parameters           |                          |                           |              |        |           |
| 1 gram                           |        |                        | 10 gram       |                     |                       | Permittivity               |                          |                           | Conductivity |        |           |
| Measured                         | Target | Deviation              | Measured      | Target              | Deviation             | Measured                   | Target                   | Deviation                 | Measured     | Target | Deviation |
| 11.80                            | 12.70  | -7.09%                 | 5.41          | 5.91                | -8.46%                | 51.17                      | 52.70                    | -2.90%                    | 1.99         | 1.95   | 2.05%     |

Table 13.2

| System Verification Test Results |              |            |            |              |                  |                  |                |                   |              |        |           |
|----------------------------------|--------------|------------|------------|--------------|------------------|------------------|----------------|-------------------|--------------|--------|-----------|
| Date                             | Frequency    | Fluid Type | Fluid Temp | Ambient Temp | Ambient Humidity | Forward Power    | Dipole Spacing | Validation Source |              |        |           |
|                                  |              |            |            |              |                  |                  |                | P/N               |              | S/N    |           |
|                                  | 6 March 2015 | 5200       | Head       | 21.7         | 24               | 10%              | 100            | 10                | D5GHzV2      |        | 1031      |
| SAR                              |              |            |            |              |                  | Fluid Parameters |                |                   |              |        |           |
| 1 gram                           |              |            | 10 gram    |              |                  | Permittivity     |                |                   | Conductivity |        |           |
| Measured                         | Target       | Deviation  | Measured   | Target       | Deviation        | Measured         | Target         | Deviation         | Measured     | Target | Deviation |
| 7.69                             | 4.29%        | 2.35       | 2.20       | 6.82%        | 33.92            | 35.99            | -5.75%         | 4.49              | 4.65         | -3.44% | 7.69      |

|                                                                                   |                                                   |                                                           |                                                          |                                                                                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

**Table 13.3**

| System Verification Test Results |        |           |                        |               |                     |                       |                            |                          |                           |              |           |      |
|----------------------------------|--------|-----------|------------------------|---------------|---------------------|-----------------------|----------------------------|--------------------------|---------------------------|--------------|-----------|------|
| Date                             |        |           | Frequency<br><br>(MHz) | Fluid<br>Type | Fluid<br>Temp<br>°C | Ambient<br>Temp<br>°C | Ambient<br>Humidity<br>(%) | Forward<br>Power<br>(mW) | Dipole<br>Spacing<br>(mm) | Validation   |           |      |
|                                  |        |           |                        |               |                     |                       |                            |                          |                           | Source       |           |      |
|                                  |        |           |                        |               |                     |                       |                            |                          |                           | P/N          | S/N       |      |
| 10 March 2015                    |        |           | 5200                   | Body          | 21.2                | 24                    | 1300%                      | 100                      | 10                        | D5GHzV2      |           | 1031 |
| SAR                              |        |           |                        |               |                     | Fluid Parameters      |                            |                          |                           |              |           |      |
| 1 gram                           |        |           |                        | 10 gram       |                     |                       | Permittivity               |                          |                           | Conductivity |           |      |
| Measured                         | Target | Deviation | Measured               | Target        | Deviation           | Measured              | Target                     | Deviation                | Measured                  | Target       | Deviation |      |
| 6.90                             | 7.32   | -5.74%    | 1.99                   | 2.05          | -2.93%              | 48.35                 | 49.01                      | -1.35%                   | 5.59                      | 5.30         | 5.47%     |      |

|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|                                                                                   |                                                   |                                                           |                                                          |                                                                                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## 14.0 MEASUREMENT SYSTEM SPECIFICATIONS

Table 14.0

| Measurement System Specification                |                                                                                   |
|-------------------------------------------------|-----------------------------------------------------------------------------------|
| <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 80                                        |
|                                                 | Postprocessing Software: SEMCAD, V1.8 Build 186                                   |
| 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                                           | EX3DV4                                                                            |
| Serial No.                                      | 3600                                                                              |
| Construction                                    | Triangular core fiber optic detection system                                      |
| Frequency                                       | 10 MHz to 6 GHz                                                                   |
| Linearity                                       | $\pm 3\%$ or $\pm 0.3\%$ (B & 2.0)                                                |
| <u>Phantom</u>                                  |                                                                                   |
| Type                                            | ELI Elliptical Planar Phantom                                                     |
| Shell Material                                  | Fiberglass                                                                        |
| Thickness                                       | 2mm +/- .2mm                                                                      |
| Volume                                          | > 30 Liter                                                                        |

|                                                                                   |                                                   |                                                           |                                                          |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              |  |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                     |

Test Lab Certificate No. 2470.01

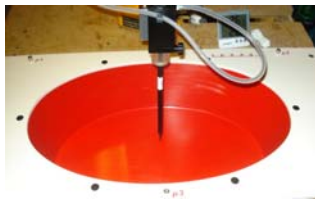
**Table 14.1**

## Measurement System Specification (Continued)

### Probe Specification

|                 |                                                                                                                                                          |                                                                                     |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Construction:   | Symmetrical design with triangular core;<br>Built-in shielding against static charges<br>PEEK enclosure material (resistant to organic solvents, glycol) |  |
| Calibration:    | In air from 10 MHz to 2.5 GHz<br>In head simulating tissue at frequencies of 900 MHz and 1.8 GHz (accuracy $\pm 8\%$ )                                   |                                                                                     |
| Frequency:      | 10 MHz to > 6 GHz; Linearity: $\pm 0.2$ dB (30 MHz to 3 GHz)                                                                                             |                                                                                     |
| Directivity:    | $\pm 0.2$ dB in head tissue (rotation around probe axis)<br>$\pm 0.4$ dB in head tissue (rotation normal to probe axis)                                  |                                                                                     |
| Dynamic Range:  | 5 $\mu$ W/g to > 100 mW/g; Linearity: $\pm 0.2$ dB                                                                                                       |                                                                                     |
| Surface Detect: | $\pm 0.2$ mm repeatability in air and clear liquids over diffuse reflecting surfaces                                                                     |                                                                                     |
| Dimensions:     | Overall length: 330 mm; Tip length: 16 mm;<br>Body diameter: 12 mm; Tip diameter: 6.8 mm<br><br>Distance from probe tip to dipole centers: 2.7 mm        |                                                                                     |
| Application:    | General dosimetry up to 3 GHz; Compliance tests of mobile phone                                                                                          | <b>EX3DV4 E-Field Probe</b>                                                         |

### Phantom Specification

|                                                                                                                                                                                                                                                             |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <p>The ELI V5.0 phantom is an elliptical planar fiberglass shell phantom with a shell thickness of 2.0mm <math>\pm</math> .2mm at the planar area. This phantom conforms to OET Bulletin 65, Supplement C, IEEE 1528-2013, IEC 62209-1 and IEC 62209-2.</p> |  |
|                                                                                                                                                                                                                                                             | <b>ELI Elliptical Planar Phantom</b>                                                  |

### Device Positioner Specification

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <p>The DASY4 device positioner 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 <math>65^\circ</math>. 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> |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Device Positioner</b>                                                              |

|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|                                                                                   |                                                   |                                                           |                                                          |                                                                                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## 15.0 TEST EQUIPMENT LIST

Table 15.0

| Test Equipment List                      |           |            |                 |                      |
|------------------------------------------|-----------|------------|-----------------|----------------------|
| DESCRIPTION                              | ASSET NO. | SERIAL NO. | DATE CALIBRATED | CALIBRATION INTERVAL |
| Schmid & Partner DASY4 System            | -         | -          | -               | -                    |
| -DASY4 Measurement Server                | 00158     | 1078       | CNR             | CNR                  |
| -Robot                                   | 00046     | 599396-01  | CNR             | CNR                  |
| -DAE4                                    | 00019     | 353        | 9 April 2014    | Biennial             |
| -EX3DV6 E-Field Probe                    | 00017     | 3600       | 15 April 2014   | Annual               |
| -D450V3 Validation Dipole                | 00221     | 1068       | 27 April 2014   | Triennial            |
| ELI Elliptical Planar Phantom            | 00247     | -          | CNR             | CNR                  |
| HP 85070C Dielectric Probe Kit           | 00033     | none       | CNR             | CNR                  |
| Gigatronics 8652A Power Meter            | 00110     | 1835801    | 17 March 2014   | Biennial             |
| Gigatronics 80701A Power Sensor          | 00249     | 1834473    | 17 March 2014   | Biennial             |
| Gigatronics 80701A Power Sensor          | 00248     | 1833687    | 17 March 2014   | Biennial             |
| HP 8753ET Network Analyzer               | 00134     | US39170292 | 22 Oct 2014     | Biennial             |
| Rohde & Schwarz SMR20 Signal Generator   | 00006     | 100104     | 8 May 2014      | Biennial             |
| Amplifier Research 5S1G4 Power Amplifier | 00106     | 26235      | CNR             | CNR                  |

CNR = Calibration Not Required

|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|                                                                                   |                                                   |                                                           |                                                          |                                                                                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>M arch 17, 2015  | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## APPENDIX A - SAR MEASUREMENT PLOTS

|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|                                                                                   |                                                   |                                                           |                                                          |                                                                                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot F48

Date/Time: 02/03/2015 3:57:30 PM

### 2450 Head 3 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 3March 2015 Ambient Temp: 22C; Fluid Temp: 20.1C; Humidity: 11%

Procedure Notes:

Communication System: CW

Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: TSL\_2450H Medium parameters used (interpolated):  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.9 \text{ mho/m}$ ;  $\epsilon_r = 39.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(6.19, 6.19, 6.19); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**F48 Head XL-200, 2412MHz ch1 4000-1 SYS/Area Scan (8x33x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.007 mW/g

**F48 Head XL-200, 2412MHz ch1 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

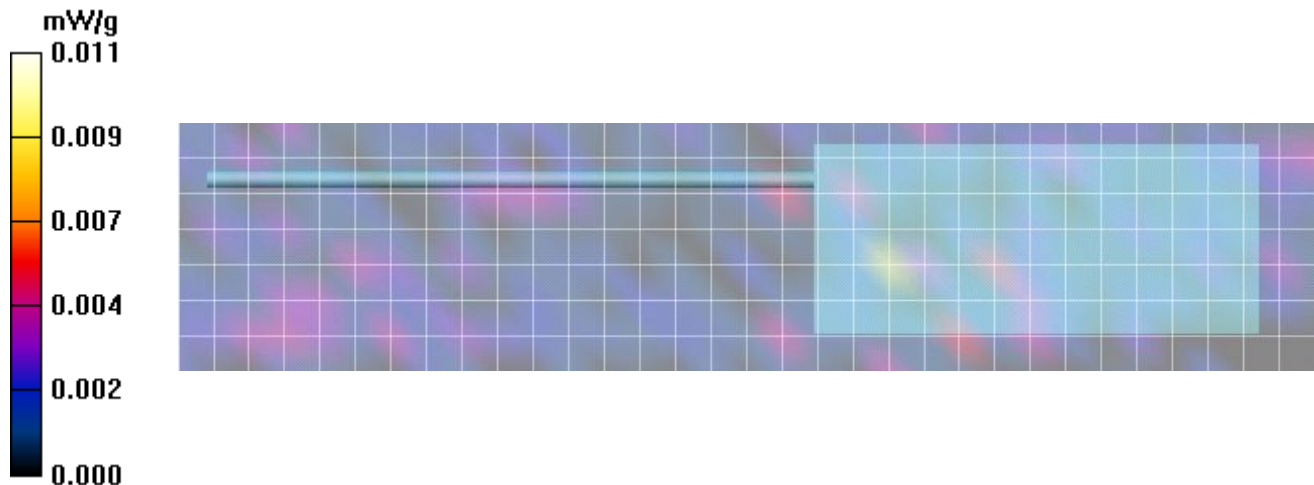
Reference Value = 0.000 V/m; Power Drift = 999.0 dB

Peak SAR (extrapolated) = 0.026 W/kg

**SAR(1 g) = 0.00361 mW/g; SAR(10 g) = 0.00165 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.011 mW/g



|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|                                                                                   |                                                   |                                                           |                                                          |                                                                                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot F49

Date/Time: 02/03/2015 4:29:01 PM

### 2450 Head 3 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 3March 2015 Ambient Temp: 22C; Fluid Temp: 20.1C; Humidity: 11%

Procedure Notes:

Communication System: CW

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: TSL\_2450H Medium parameters used (interpolated):  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.97 \text{ mho/m}$ ;  $\epsilon_r = 39.2$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(6.19, 6.19, 6.19); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**F49 Head XL-200, 2437MHz ch6 4000-1 SYS/Area Scan (8x33x1):** Measurement grid: dx=12mm, dy=12mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.008 mW/g

**F49 Head XL-200, 2437MHz ch6 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

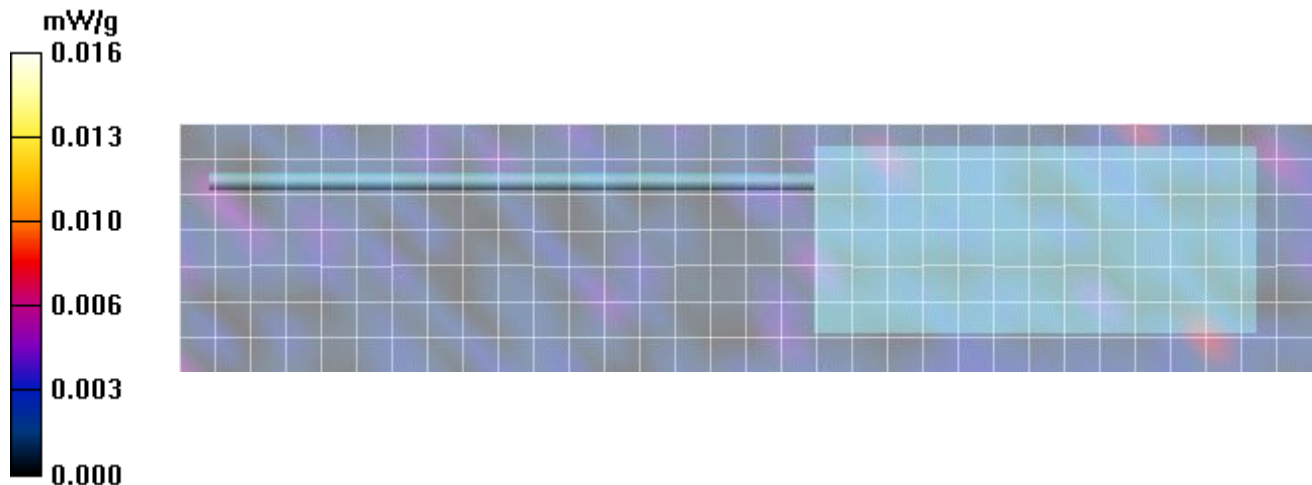
Reference Value = 1.17 V/m; Power Drift = -7.39 dB

Peak SAR (extrapolated) = 0.017 W/kg

**SAR(1 g) = 0.00355 mW/g; SAR(10 g) = 0.00146 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.016 mW/g



|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| <b>DUT Type:</b>        | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|                                                                                   |                                                   |                                                           |                                                          |                                                                                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot F50

Date/Time: 02/03/2015 5:04:56 PM

### 2450 Head 3 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 3March 2015 Ambient Temp: 22C; Fluid Temp: 20.1C; Humidity: 11%

Procedure Notes:

Communication System: CW

Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: TSL\_2450H Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.94 \text{ mho/m}$ ;  $\epsilon_r = 39.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(6.19, 6.19, 6.19); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**F50 Head XL-200, 2462MHz ch11 4000-1 SYS/Area Scan (8x33x1):** Measurement grid: dx=12mm, dy=12mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.007 mW/g

**F50 Head XL-200, 2462MHz ch11 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

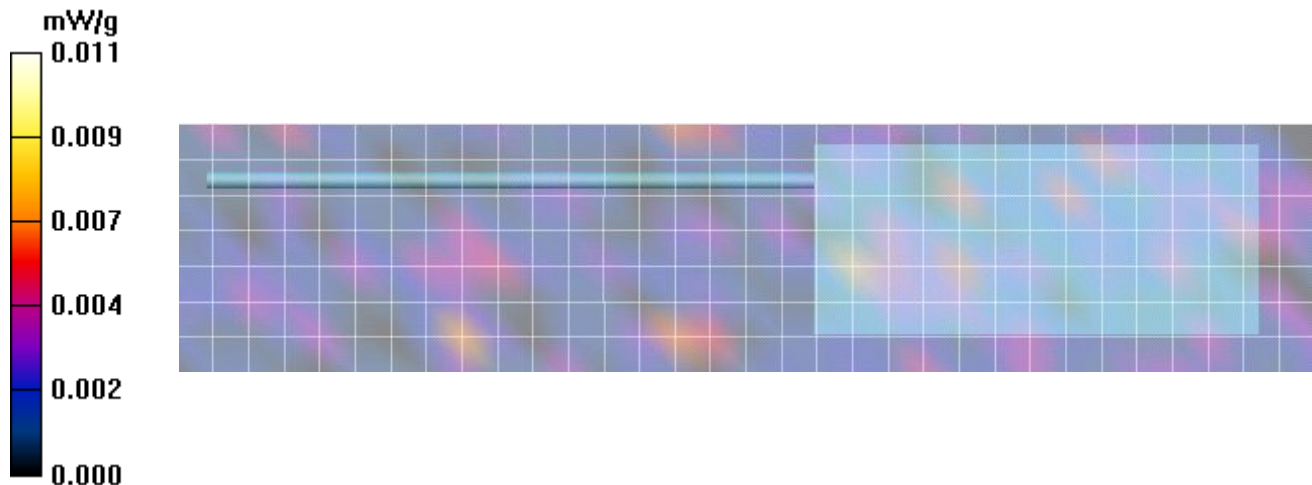
Reference Value = 1.16 V/m; Power Drift = -9.34 dB

Peak SAR (extrapolated) = 0.019 W/kg

**SAR(1 g) = 0.00296 mW/g; SAR(10 g) = 0.00117 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.011 mW/g



|                         |                                                                                                                      |                                                          |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>Harris Corporation</b>                                                                                            | <b>Class II Change for addition of WiFi an BlueTooth</b> |  |
| <b>DUT Type:</b>        | <b>XL-200P Multi-Band Portable PTT Transceiver</b>                                                                   |                                                          |                                                                                       |
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|                                                                                   |                                                   |                                                           |                                                          |                                                                                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot F51

Date/Time: 02/03/2015 5:36:45 PM

### 2450 Head 3 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 3March 2015 Ambient Temp: 22C; Fluid Temp: 20.1C; Humidity: 11%

Procedure Notes:

Communication System: CW

Frequency: 2472 MHz; Duty Cycle: 1:1

Medium: TSL\_2450H Medium parameters used (interpolated):  $f = 2472 \text{ MHz}$ ;  $\sigma = 1.98 \text{ mho/m}$ ;  $\epsilon_r = 39.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(6.19, 6.19, 6.19); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**F51 Head XL-200, 2472MHz ch13 4000-1 SYS/Area Scan (8x33x1):** Measurement grid: dx=12mm, dy=12mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.008 mW/g

**F51 Head XL-200, 2472MHz ch13 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

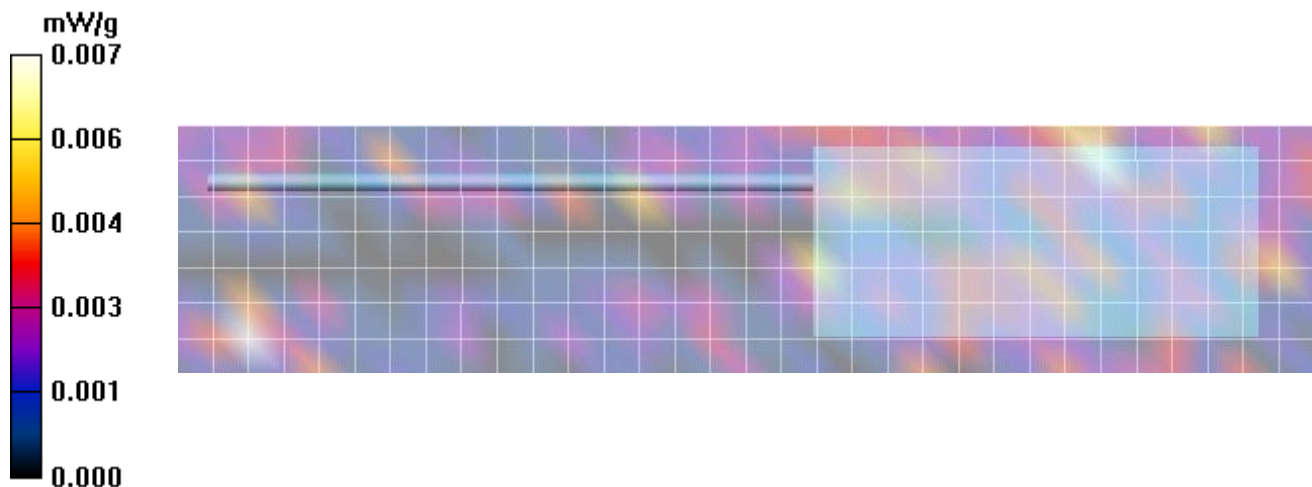
Reference Value = 0.869 V/m; Power Drift = -2.95 dB

Peak SAR (extrapolated) = 0.011 W/kg

**SAR(1 g) = 0.00203 mW/g; SAR(10 g) = 0.000949 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.007 mW/g



|                         |                                                                                                                      |                                                          |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>Harris Corporation</b>                                                                                            | <b>Class II Change for addition of WiFi an BlueTooth</b> |  |
| <b>DUT Type:</b>        | <b>XL-200P Multi-Band Portable PTT Transceiver</b>                                                                   |                                                          |                                                                                       |
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|                                                                                   |                                                   |                                                           |                                                          |                                                                                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot F52

Date/Time: 03/03/2015 11:06:56 AM

### 2450 Head 3 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 3March 2015 Ambient Temp: 22C; Fluid Temp: 20.1C; Humidity: 11%

Procedure Notes:

Communication System: CW

Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: TSL\_2450H Medium parameters used (interpolated):  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.9 \text{ mho/m}$ ;  $\epsilon_r = 39.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(6.19, 6.19, 6.19); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**F52 Head XL-200, 2412MHz ch1 4000-1 SCAN/Area Scan (8x33x1):** Measurement grid: dx=12mm, dy=12mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.007 mW/g

**F52 Head XL-200, 2412MHz ch1 4000-1 SCAN/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

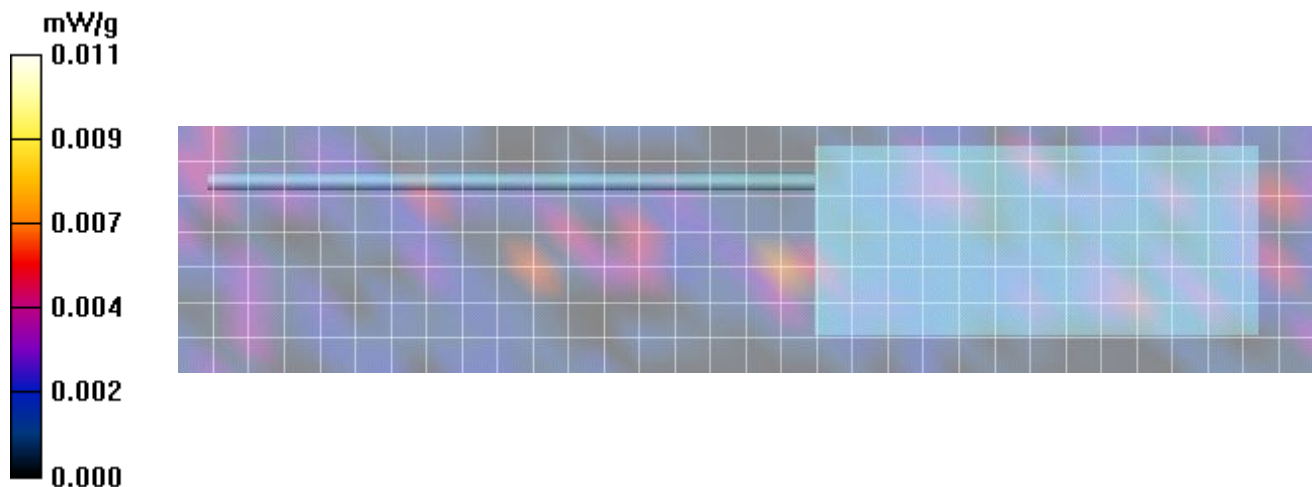
Reference Value = 0.781 V/m; Power Drift = -0.580 dB

Peak SAR (extrapolated) = 0.026 W/kg

**SAR(1 g) = 0.00375 mW/g; SAR(10 g) = 0.002 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.011 mW/g



|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| <b>DUT Type:</b>        | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot F53

Date/Time: 03/03/2015 2:35:45 PM

### 2450 Head 3 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 3March 2015 Ambient Temp: 22C; Fluid Temp: 20.1C; Humidity: 11%

#### Procedure Notes:

Communication System: CW

Frequency: 2480 MHz; Duty Cycle: 1:1

Medium: TSL\_2450H Medium parameters used:  $f = 2480 \text{ MHz}$ ;  $\sigma = 1.96 \text{ mho/m}$ ;  $\epsilon_r = 39.2$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(6.19, 6.19, 6.19); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**F53 Head XL-200, 2480MHz BT 4000-1 SYS/Area Scan (8x33x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

Maximum value of SAR (measured) = 0.007 mW/g

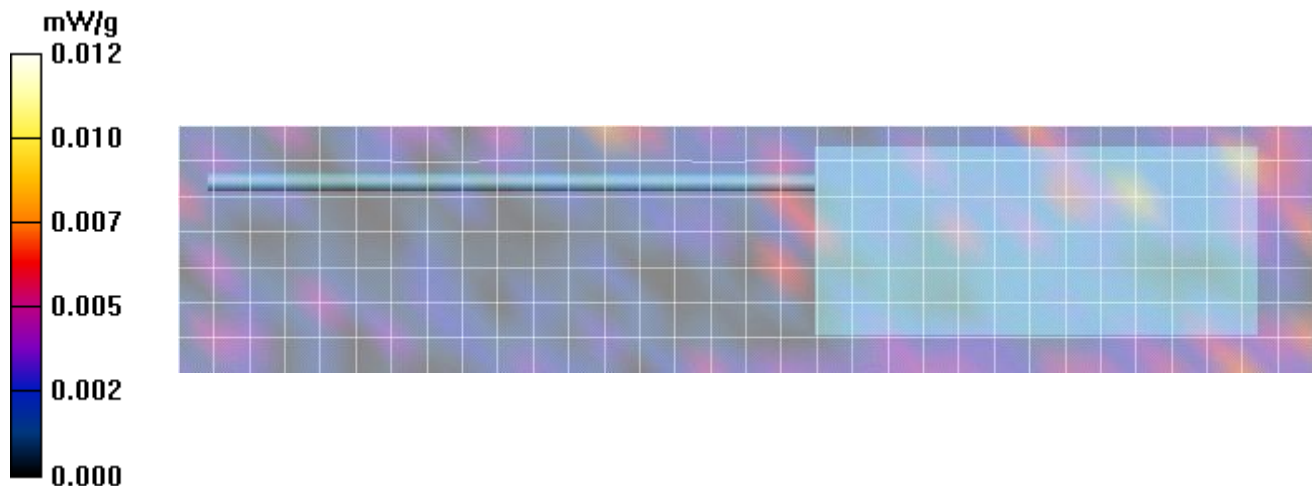
**F53 Head XL-200, 2480MHz BT 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 0.861 V/m; Power Drift = -7.22 dB

Peak SAR (extrapolated) = 0.018 W/kg

**SAR(1 g) = 0.0034 mW/g; SAR(10 g) = 0.00145 mW/g**

Maximum value of SAR (measured) = 0.012 mW/g



|                         |                                                                                                                      |                                                          |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>Harris Corporation</b>                                                                                            | <b>Class II Change for addition of WiFi an BlueTooth</b> |  |
| <b>DUT Type:</b>        | <b>XL-200P Multi-Band Portable PTT Transceiver</b>                                                                   |                                                          |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot B53EU

Date/Time: 03/03/2015 11:39:14 AM

### 2450 Head 3 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 3March 2015 Ambient Temp: 22C; Fluid Temp: 20.1C; Humidity: 11%

Procedure Notes:

Communication System: CW

Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: TSL\_2450H Medium parameters used (interpolated):  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.9 \text{ mho/m}$ ;  $\epsilon_r = 39.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(6.19, 6.19, 6.19); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**B53EU BodyEU XL-200, 2412MHz ch1 4000-1 SYS/Area Scan (8x33x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.012 mW/g

**B53EU BodyEU XL-200, 2412MHz ch1 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

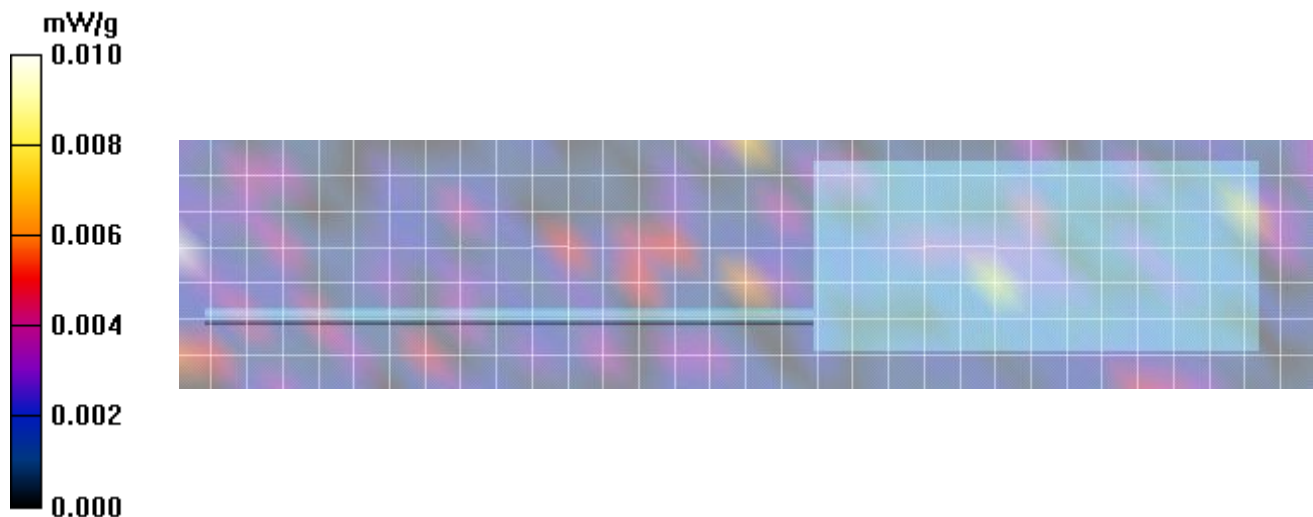
Reference Value = 0.711 V/m; Power Drift = 3.89 dB

Peak SAR (extrapolated) = 0.014 W/kg

**SAR(1 g) = 0.00315 mW/g; SAR(10 g) = 0.00137 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.010 mW/g



|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| <b>DUT Type:</b>        | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot B54EU

Date/Time: 03/03/2015 12:16:57 PM

### 2450 Head 3 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 3March 2015 Ambient Temp: 22C; Fluid Temp: 20.1C; Humidity: 11%

#### Procedure Notes:

Communication System: CW

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: TSL\_2450H Medium parameters used (interpolated):  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.97 \text{ mho/m}$ ;  $\epsilon_r = 39.2$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(6.19, 6.19, 6.19); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**B54EU BodyEU XL-200, 2437MHz ch6 4000-1 SYS/Area Scan (8x33x1):** Measurement grid: dx=12mm, dy=12mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.008 mW/g

**B54EU BodyEU XL-200, 2437MHz ch6 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

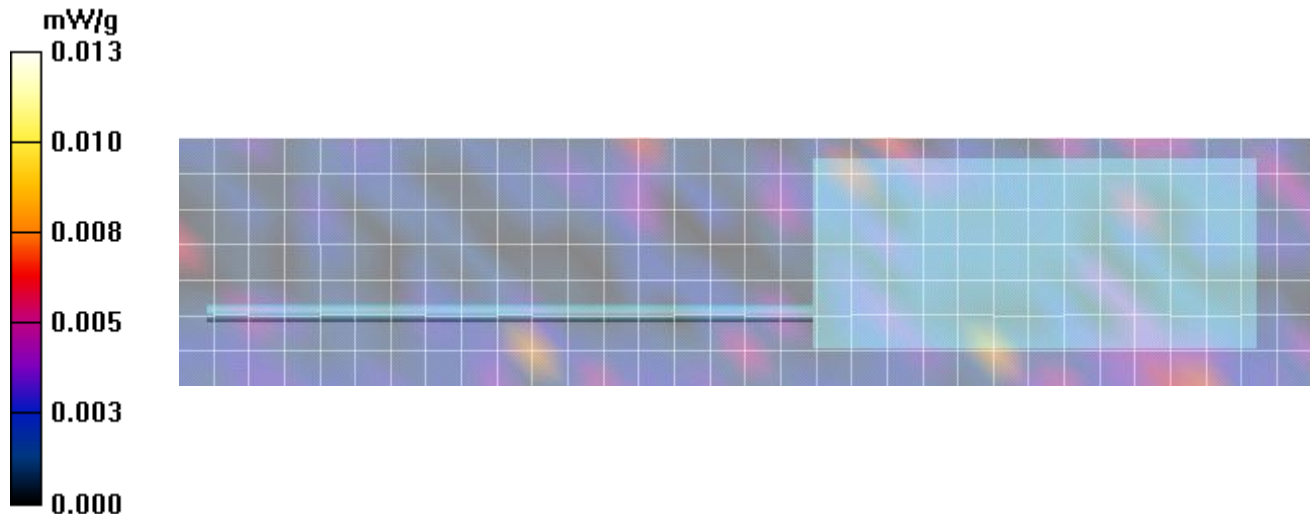
Reference Value = 0.512 V/m; Power Drift = -0.217 dB

Peak SAR (extrapolated) = 0.018 W/kg

**SAR(1 g) = 0.00587 mW/g; SAR(10 g) = 0.00221 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.013 mW/g



|                         |                                                                                                                      |                                                          |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>Harris Corporation</b>                                                                                            | <b>Class II Change for addition of WiFi an BlueTooth</b> |  |
| <b>DUT Type:</b>        | <b>XL-200P Multi-Band Portable PTT Transceiver</b>                                                                   |                                                          |                                                                                       |
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|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot B55EU

Date/Time: 03/03/2015 12:46:03 PM

### 2450 Head 3 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 3March 2015 Ambient Temp: 22C; Fluid Temp: 20.1C; Humidity: 11%

#### Procedure Notes:

Communication System: CW

Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: TSL\_2450H Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.94 \text{ mho/m}$ ;  $\epsilon_r = 39.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(6.19, 6.19, 6.19); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**B55EU BodyEU XL-200, 2462MHz ch11 4000-1 SYS/Area Scan (8x33x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.008 mW/g

**B55EU BodyEU XL-200, 2462MHz ch11 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

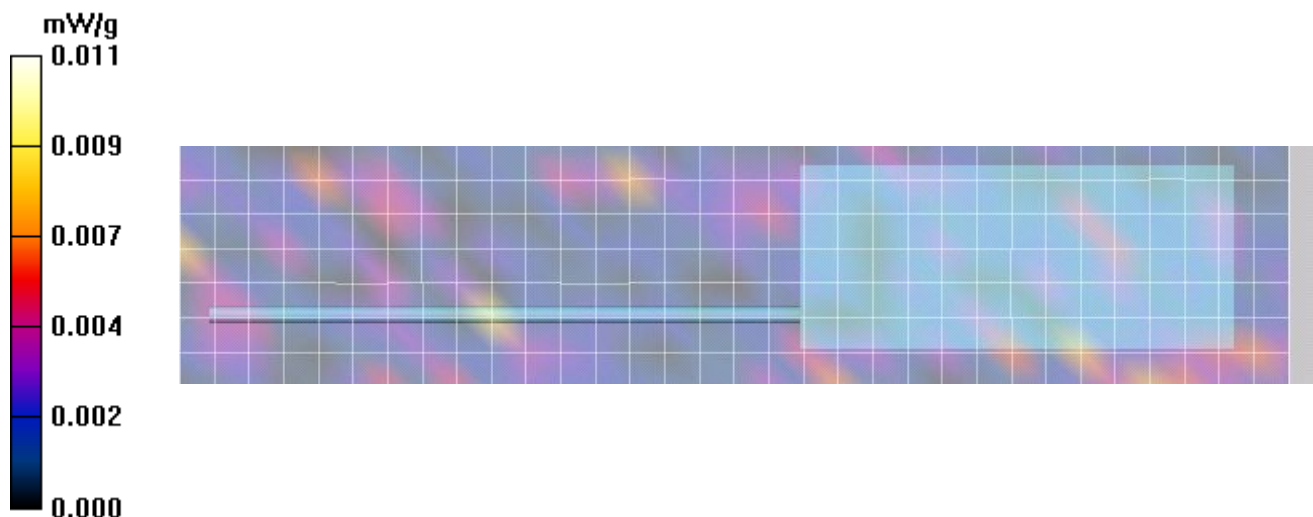
Reference Value = 0.792 V/m; Power Drift = -8.36 dB

Peak SAR (extrapolated) = 0.024 W/kg

**SAR(1 g) = 0.00299 mW/g; SAR(10 g) = 0.00143 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.011 mW/g



|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| <b>DUT Type:</b>        | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              |  |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                     |

## Plot B56EU

Date/Time: 03/03/2015 1:22:52 PM

### 2450 Head 3 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 3March 2015 Ambient Temp: 22C; Fluid Temp: 20.1C; Humidity: 11%

Procedure Notes:

Communication System: CW

Frequency: 2472 MHz; Duty Cycle: 1:1

Medium: TSL\_2450H Medium parameters used (interpolated):  $f = 2472 \text{ MHz}$ ;  $\sigma = 1.98 \text{ mho/m}$ ;  $\epsilon_r = 39.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(6.19, 6.19, 6.19); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**B56EU BodyEU XL-200, 2472MHz ch13 4000-1 SYS/Area Scan (8x33x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.008 mW/g

**B56EU BodyEU XL-200, 2472MHz ch13 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

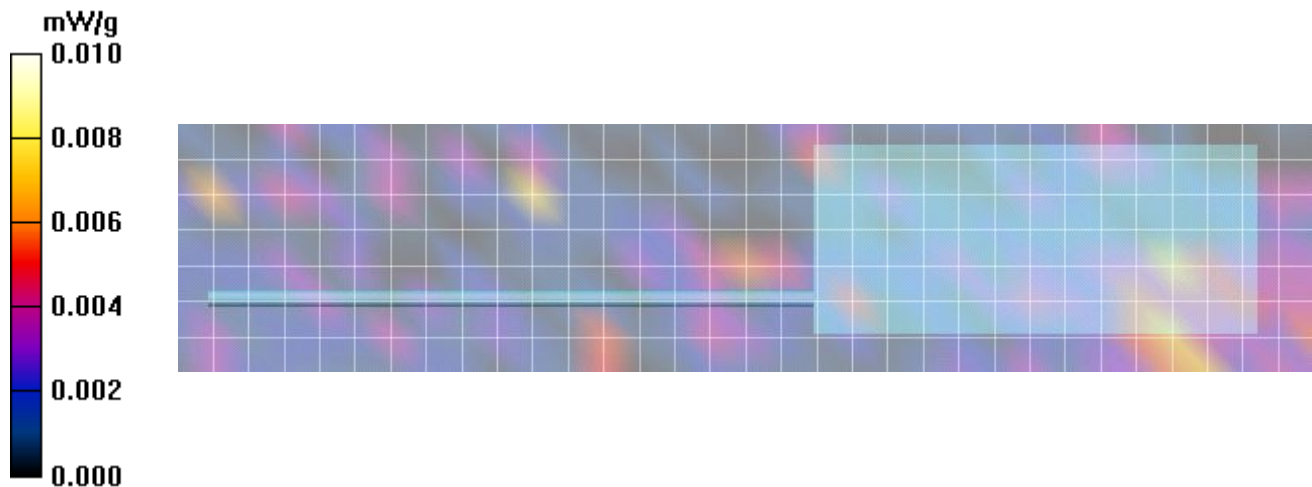
Reference Value = 1.31 V/m; Power Drift = -1.40 dB

Peak SAR (extrapolated) = 0.015 W/kg

**SAR(1 g) = 0.00505 mW/g; SAR(10 g) = 0.00163 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.010 mW/g



|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| <b>DUT Type:</b>        | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              |  |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                     |

Test Lab Certificate No. 2470.01

## Plot B57EU

Date/Time: 03/03/2015 1:58:37 PM

### 2450 Head 3 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 3March 2015 Ambient Temp: 22C; Fluid Temp: 20.1C; Humidity: 11%

Procedure Notes:

Communication System: CW

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: TSL\_2450H Medium parameters used (interpolated):  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.97 \text{ mho/m}$ ;  $\epsilon_r = 39.2$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(6.19, 6.19, 6.19); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**B57EU BodyEU XL-200, 2437MHz ch6 4000-1 SCAN/Area Scan (8x33x1):** Measurement grid: dx=12mm, dy=12mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.015 mW/g

**B57EU BodyEU XL-200, 2437MHz ch6 4000-1 SCAN/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

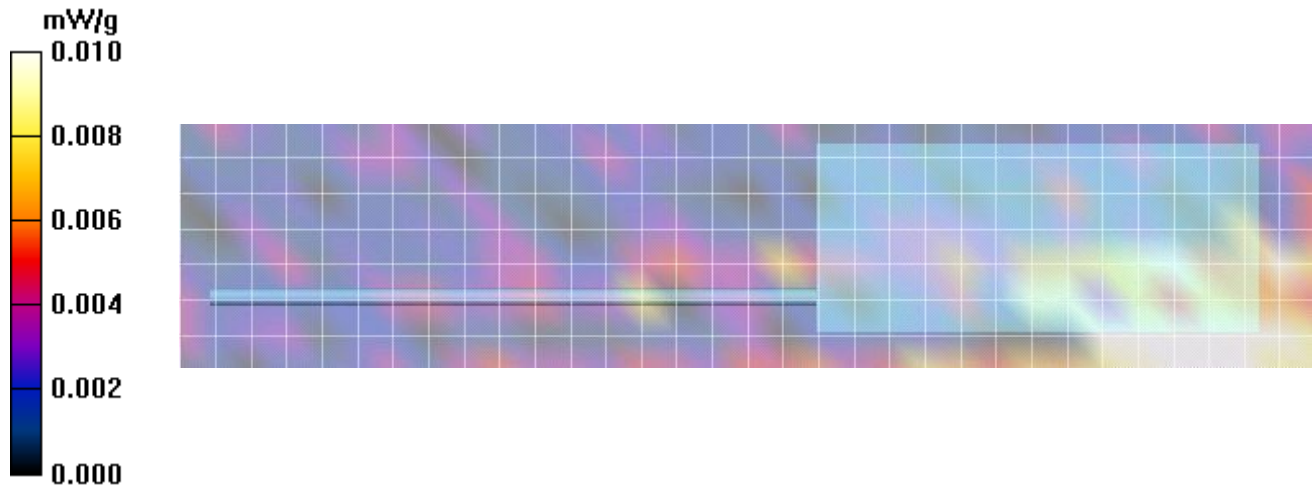
Reference Value = 0.625 V/m; Power Drift = 4.49 dB

Peak SAR (extrapolated) = 0.019 W/kg

**SAR(1 g) = 0.0039 mW/g; SAR(10 g) = 0.00134 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.010 mW/g



|                         |                                                                                                                      |                                                          |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>Harris Corporation</b>                                                                                            | <b>Class II Change for addition of WiFi an BlueTooth</b> |  |
| <b>DUT Type:</b>        | <b>XL-200P Multi-Band Portable PTT Transceiver</b>                                                                   |                                                          |                                                                                       |
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|                                                                                   |                                                   |                                                           |                                                          |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              |  |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                     |

## Plot B58EU

Date/Time: 03/03/2015 3:11:30 PM

## 2450 Head 3 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 3March 2015 Ambient Temp: 22C; Fluid Temp: 20.1C; Humidity: 11%

Procedure Notes:

Communication System: CW

Frequency: 2480 MHz; Duty Cycle: 1:1

Medium: TSL\_2450H Medium parameters used:  $f = 2480$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

- Probe: EX3DV4 - SN3600; ConvF(6.19, 6.19, 6.19); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

### **B58EU BodyEU XL-200, 2480MHz BT 4000-1 SYS/Area Scan (8x33x1):** Measurement grid:

$dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.008 mW/g

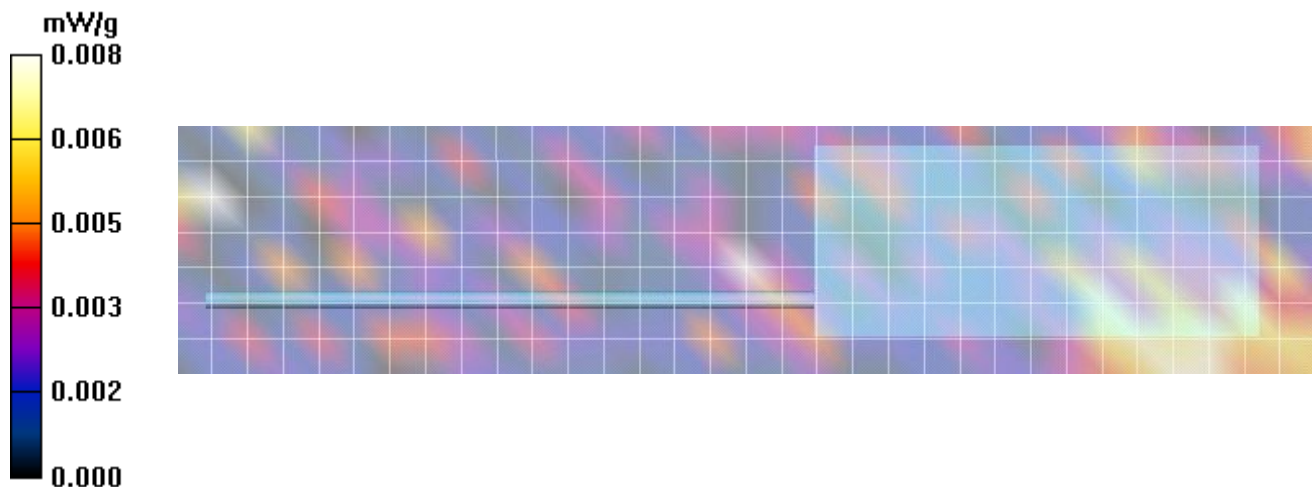
### **B58EU BodyEU XL-200, 2480MHz BT 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:**

Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 0.000 V/m; Power Drift = 999.0 dB

Peak SAR (extrapolated) = 0.032 W/kg

**SAR(1 g) = 0.00276 mW/g; SAR(10 g) = 0.00113 mW/g**



|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|                                                                                   |                                                   |                                                           |                                                          |                                                                                                                         |
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|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot B53

Date/Time: 04/03/2015 4:42:57 PM

### 2450 Body 5 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 5 March 2015 Ambient Temp: 22C; Fluid Temp: 20.6C; Humidity: 11%

Procedure Notes:

Communication System: CW

Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: TSL\_2450B Medium parameters used (interpolated):  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.81 \text{ mho/m}$ ;  $\epsilon_r = 50.5$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(6.26, 6.26, 6.26); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used)) Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**B53 Body XL-200, 2412MHz ch1 4000-1 SYS/Area Scan (8x33x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.008 mW/g

**B53 Body XL-200, 2412MHz ch1 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

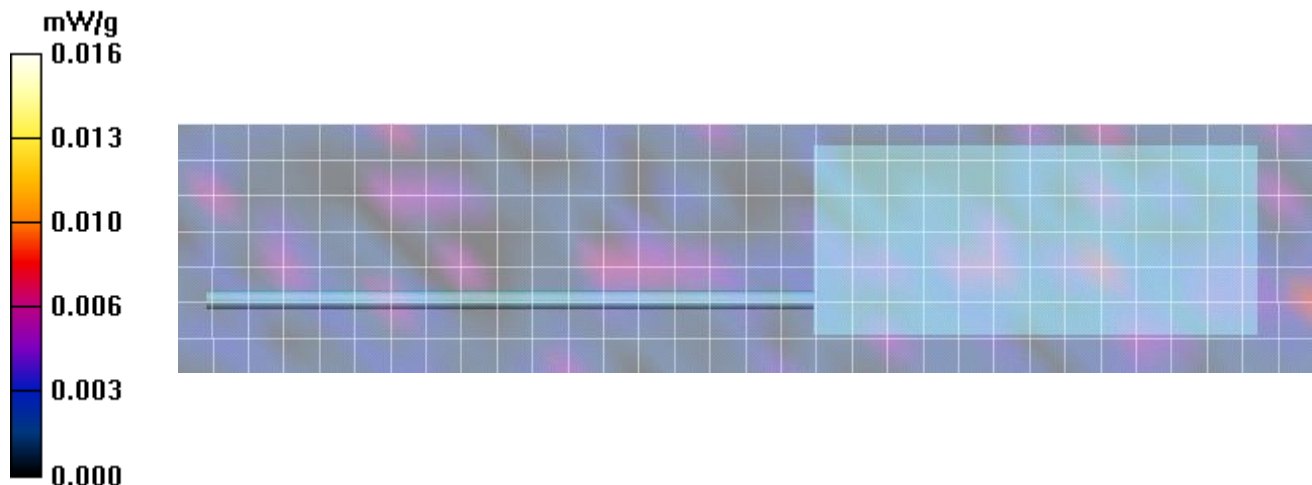
Reference Value = 0.839 V/m; Power Drift = -3.73 dB

Peak SAR (extrapolated) = 0.018 W/kg

**SAR(1 g) = 0.00382 mW/g; SAR(10 g) = 0.00244 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.016 mW/g



|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot B54

Date/Time: 04/03/2015 5:11:44 PM

### 2450 Body 5 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 5 March 2015 Ambient Temp: 22C; Fluid Temp: 20.6C; Humidity: 11%

Procedure Notes:

Communication System: CW

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: TSL\_2450B Medium parameters used (interpolated):  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.81 \text{ mho/m}$ ;  $\epsilon_r = 50.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(6.26, 6.26, 6.26); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**B54 Body XL-200, 2437MHz ch6 4000-1 SYS/Area Scan (8x33x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.010 mW/g

**B54 Body XL-200, 2437MHz ch6 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

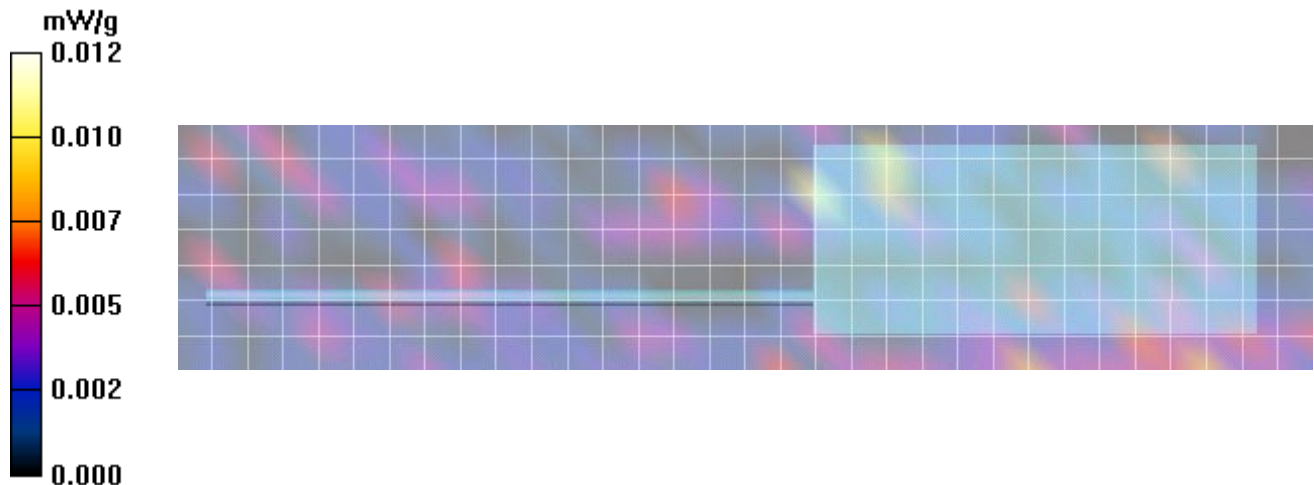
Reference Value = 1.49 V/m; Power Drift = 1.32 dB

Peak SAR (extrapolated) = 0.015 W/kg

**SAR(1 g) = 0.00506 mW/g; SAR(10 g) = 0.00256 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.012 mW/g



|                         |                                                                                                                      |                                                          |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>Harris Corporation</b>                                                                                            | <b>Class II Change for addition of WiFi an BlueTooth</b> |  |
| <b>DUT Type:</b>        | <b>XL-200P Multi-Band Portable PTT Transceiver</b>                                                                   |                                                          |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot B55

Date/Time: 05/03/2015 11:02:15 AM

### 2450 Body 5 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 5 March 2015 Ambient Temp: 22C; Fluid Temp: 20.6C; Humidity: 11%

Procedure Notes:

Communication System: CW

Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: TSL\_2450B Medium parameters used (interpolated):  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.87 \text{ mho/m}$ ;  $\epsilon_r = 50.2$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(6.26, 6.26, 6.26); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**B55 Body XL-200, 2462MHz ch11 4000-1 SYS/Area Scan (8x33x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.008 mW/g

**B55 Body XL-200, 2462MHz ch11 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

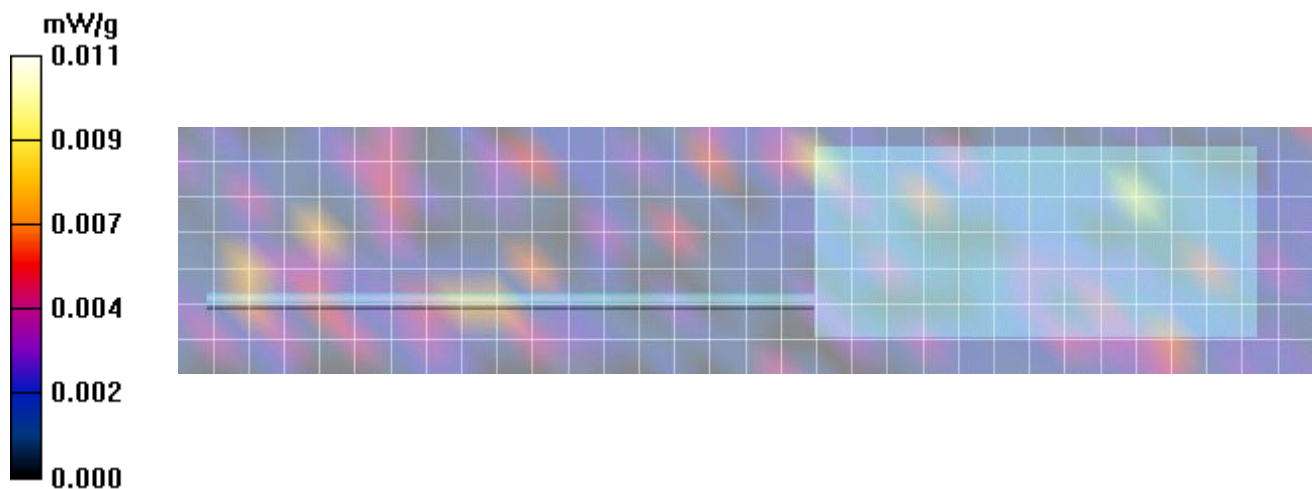
Reference Value = 0.757 V/m; Power Drift = 6.15 dB

Peak SAR (extrapolated) = 0.033 W/kg

**SAR(1 g) = 0.00356 mW/g; SAR(10 g) = 0.0017 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.011 mW/g



|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot B56

Date/Time: 05/03/2015 11:32:07 AM

### 2450 Body 5 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 5 March 2015 Ambient Temp: 22C; Fluid Temp: 20.6C; Humidity: 11%

#### Procedure Notes:

Communication System: CW

Frequency: 2474 MHz; Duty Cycle: 1:1

Medium: TSL\_2450B Medium parameters used (interpolated):  $f = 2474 \text{ MHz}$ ;  $\sigma = 1.87 \text{ mho/m}$ ;  $\epsilon_r = 50.2$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(6.26, 6.26, 6.26); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**B56 Body XL-200, 2472MHz ch134000-1 SYS/Area Scan (8x33x1):** Measurement grid: dx=12mm, dy=12mm

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.010 mW/g

**B56 Body XL-200, 2472MHz ch134000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

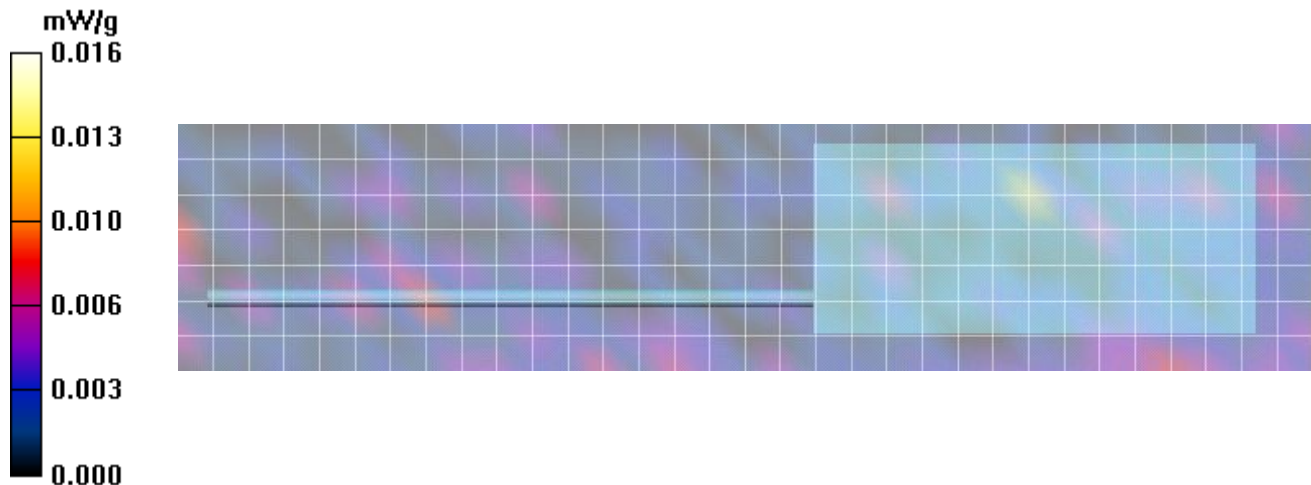
Reference Value = 1.28 V/m; Power Drift = -2.92 dB

Peak SAR (extrapolated) = 0.031 W/kg

**SAR(1 g) = 0.00451 mW/g; SAR(10 g) = 0.00251 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.016 mW/g



|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| <b>DUT Type:</b>        | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              |  |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                     |

Test Lab Certificate No. 2470.01

## Plot B57

Date/Time: 05/03/2015 12:43:54 PM

### 2450 Body 5 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 5 March 2015 Ambient Temp: 22C; Fluid Temp: 20.6C; Humidity: 11%

Procedure Notes:

Communication System: CW

Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: TSL\_2450B Medium parameters used (interpolated):  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.81 \text{ mho/m}$ ;  $\epsilon_r = 50.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(6.26, 6.26, 6.26); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**B57 Body XL-200, 2437MHz ch6 4000-1 SCAN/Area Scan (8x33x1):** Measurement grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.008 mW/g

**B57 Body XL-200, 2437MHz ch6 4000-1 SCAN/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

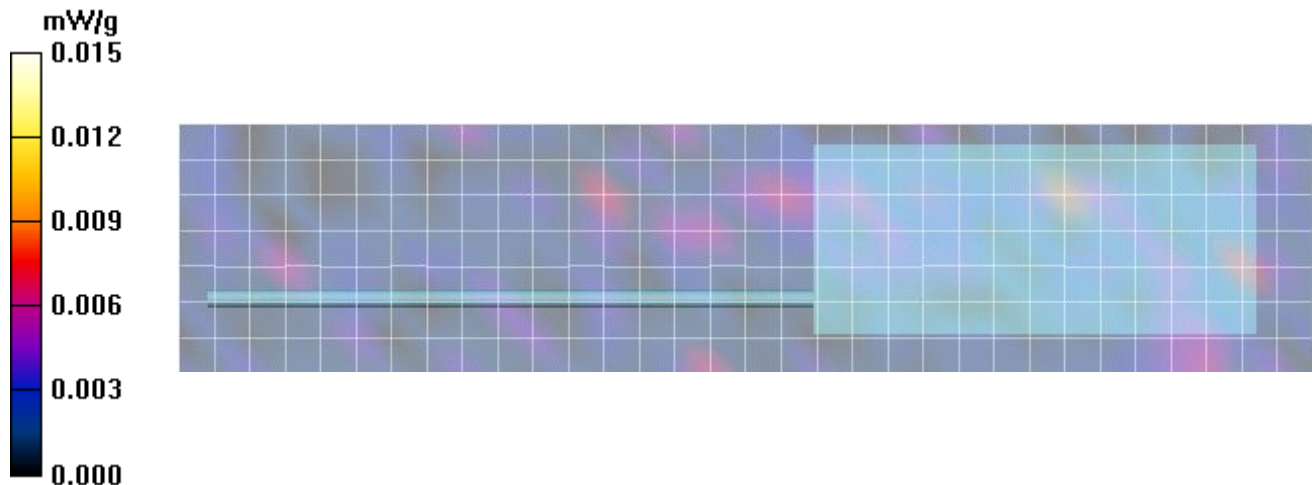
Reference Value = 0.971 V/m; Power Drift = -4.99 dB

Peak SAR (extrapolated) = 0.023 W/kg

**SAR(1 g) = 0.00451 mW/g; SAR(10 g) = 0.00234 mW/g**

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.015 mW/g



|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| <b>DUT Type:</b>        | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot B58

Date/Time: 05/03/2015 1:23:17 PM

### 2450 Body 5 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 5 March 2015 Ambient Temp: 22C; Fluid Temp: 20.6C; Humidity: 11%

Procedure Notes:

Communication System: CW

Frequency: 2480 MHz; Duty Cycle: 1:1

Medium: TSL\_2450B Medium parameters used:  $f = 2480 \text{ MHz}$ ;  $\sigma = 1.86 \text{ mho/m}$ ;  $\epsilon_r = 50.4$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(6.26, 6.26, 6.26); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**B58 Body XL-200, 2480MHz BT 4000-1 SYS/Area Scan (8x33x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.009 mW/g

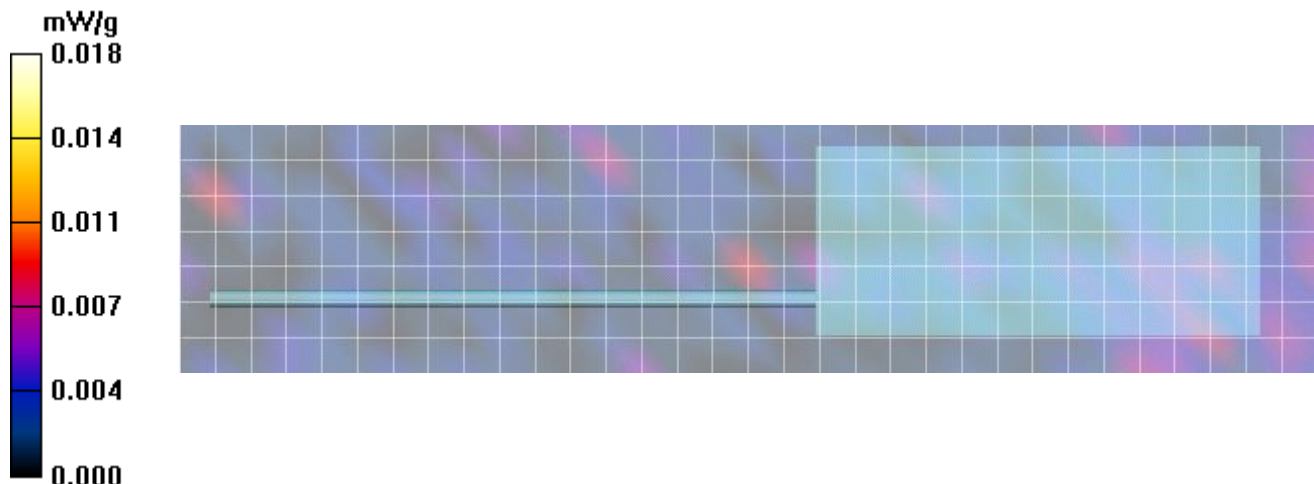
**B58 Body XL-200, 2480MHz BT 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.549 V/m; Power Drift = -2.37 dB

Peak SAR (extrapolated) = 0.018 W/kg

**SAR(1 g) = 0.00639 mW/g; SAR(10 g) = 0.00332 mW/g**

Maximum value of SAR (measured) = 0.018 mW/g



|                         |                                                                                                                      |                                                          |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>Harris Corporation</b>                                                                                            | <b>Class II Change for addition of WiFi an BlueTooth</b> |  |
| <b>DUT Type:</b>        | <b>XL-200P Multi-Band Portable PTT Transceiver</b>                                                                   |                                                          |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot F54

Date/Time: 09/03/2015 1:20:07 PM

**5200 Head 9 March 2015**

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 9 March 2015 Ambient Temp: 22C; Fluid Temp: 19.5C; Humidity: 14%

Procedure Notes:

Communication System: CW

Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: TSL\_5200H Medium parameters used:  $f = 5180 \text{ MHz}$ ;  $\sigma = 4.41 \text{ mho/m}$ ;  $\epsilon_r = 33.8$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(4.56, 4.56, 4.56); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**F54 Face XL-200, 5180MHz ch36 4000-1 SYS/Area Scan (10x40x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.044 mW/g

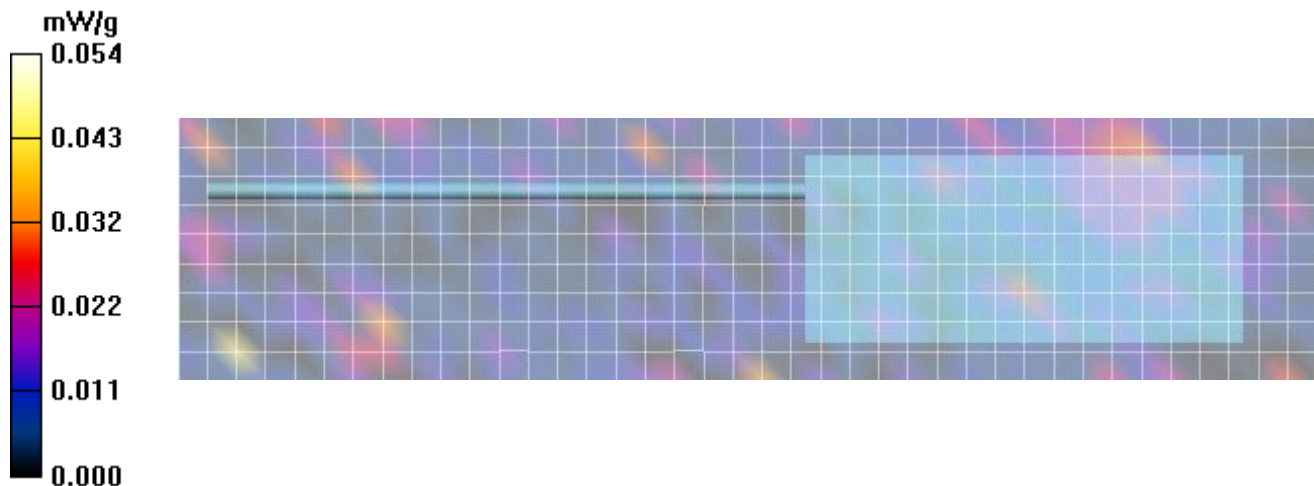
**F54 Face XL-200, 5180MHz ch36 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 0.802 V/m; Power Drift = -999.0 dB

Peak SAR (extrapolated) = 0.060 W/kg

**SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.010 mW/g**

Maximum value of SAR (measured) = 0.054 mW/g



|                         |                                                                                                                      |                                                          |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>Harris Corporation</b>                                                                                            | <b>Class II Change for addition of WiFi an BlueTooth</b> |  |
| <b>DUT Type:</b>        | <b>XL-200P Multi-Band Portable PTT Transceiver</b>                                                                   |                                                          |                                                                                       |
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|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot F55

Date/Time: 09/03/2015 2:00:18 PM

### 5200 Head 9 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 9 March 2015 Ambient Temp: 22C; Fluid Temp: 19.5C; Humidity: 14%

Procedure Notes:

Communication System: CW

Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: TSL\_5200H Medium parameters used:  $f = 5240 \text{ MHz}$ ;  $\sigma = 4.58 \text{ mho/m}$ ;  $\epsilon_r = 33.7$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(4.56, 4.56, 4.56); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**F55 Face XL-200, 5240MHz ch48 4000-1 SYS/Area Scan (10x40x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.053 mW/g

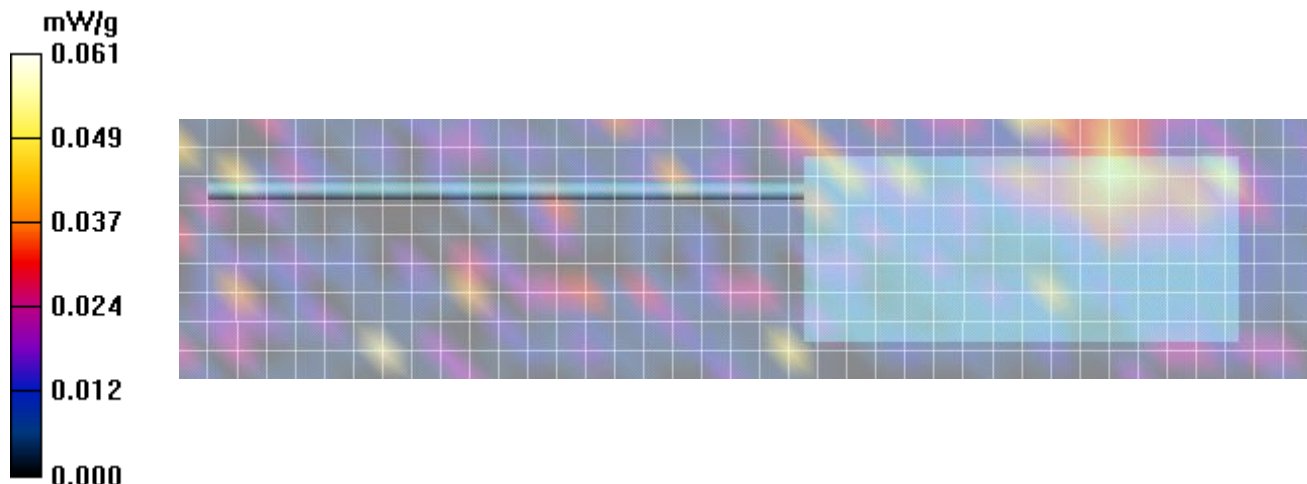
**F55 Face XL-200, 5240MHz ch48 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 1.13 V/m; Power Drift = -9.11 dB

Peak SAR (extrapolated) = 0.061 W/kg

**SAR(1 g) = 0.020 mW/g; SAR(10 g) = 0.00807 mW/g**

Maximum value of SAR (measured) = 0.061 mW/g



|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot F56

Date/Time: 09/03/2015 2:37:20 PM

### 5200 Head 9 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 9 March 2015 Ambient Temp: 22C; Fluid Temp: 19.5C; Humidity: 14%

Procedure Notes:

Communication System: CW

Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: TSL\_5200H Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 4.61 \text{ mho/m}$ ;  $\epsilon_r = 33.7$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(4.56, 4.56, 4.56); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**F56 Face XL-200, 5260MHz ch52 4000-1 SYS/Area Scan (10x40x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.045 mW/g

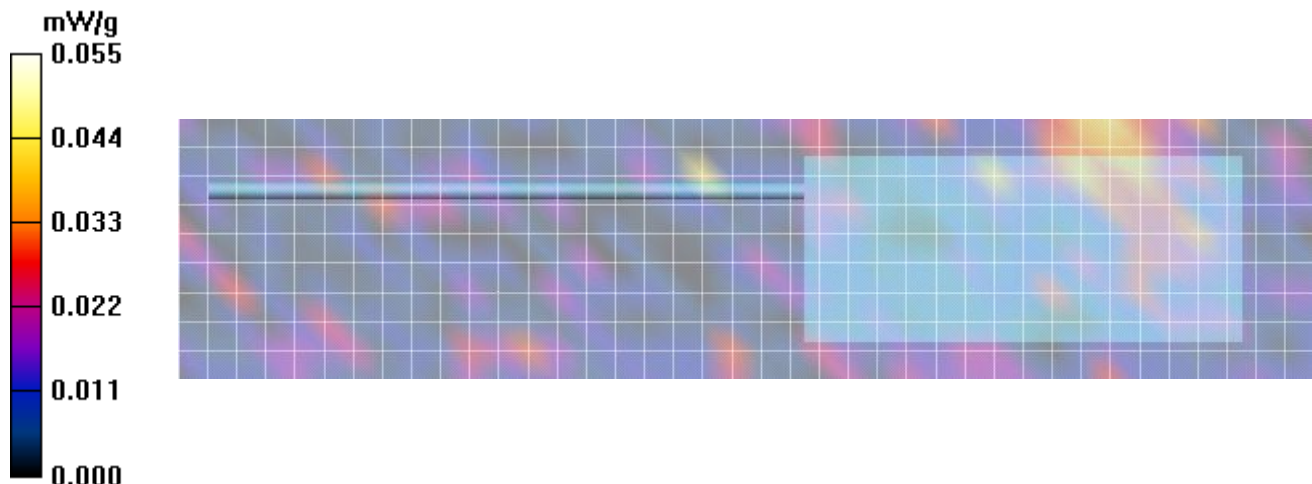
**F56 Face XL-200, 5260MHz ch52 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 1.76 V/m; Power Drift = 0.187 dB

Peak SAR (extrapolated) = 0.055 W/kg

**SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00795 mW/g**

Maximum value of SAR (measured) = 0.055 mW/g



|                         |                                                                                                                      |                                                          |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>Harris Corporation</b>                                                                                            | <b>Class II Change for addition of WiFi an BlueTooth</b> |  |
| <b>DUT Type:</b>        | <b>XL-200P Multi-Band Portable PTT Transceiver</b>                                                                   |                                                          |                                                                                       |
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|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot F57

Date/Time: 09/03/2015 3:20:41 PM

### 5200 Head 9 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 9 March 2015 Ambient Temp: 22C; Fluid Temp: 19.5C; Humidity: 14%

#### Procedure Notes:

Communication System: CW

Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: TSL\_5200H Medium parameters used:  $f = 5300 \text{ MHz}$ ;  $\sigma = 4.65 \text{ mho/m}$ ;  $\epsilon_r = 33.8$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(4.56, 4.56, 4.56); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**F57 Face XL-200, 5300MHz ch60 4000-1 SYS/Area Scan (10x40x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

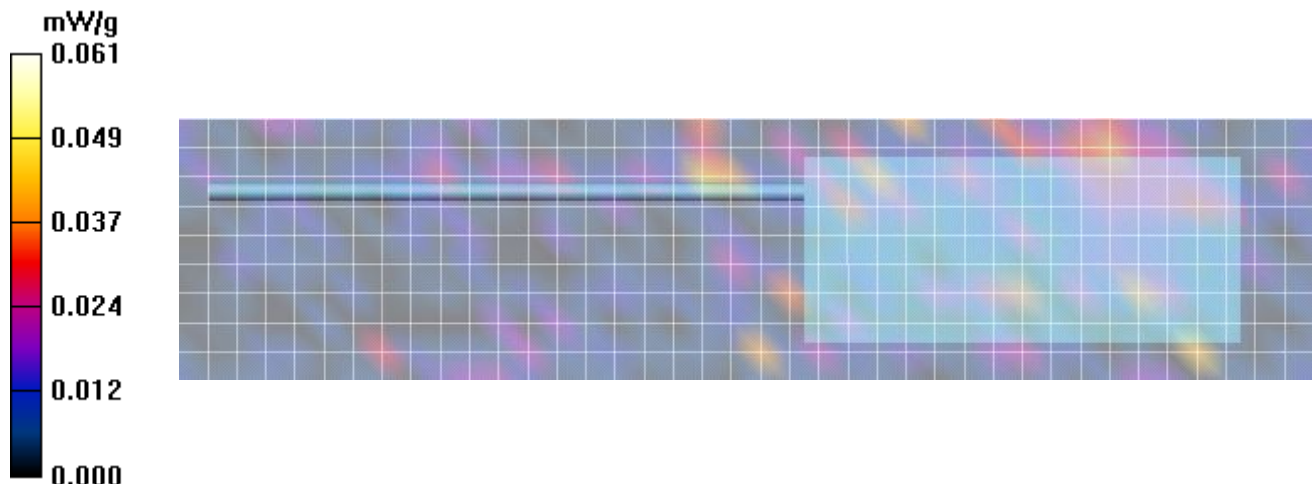
**F57 Face XL-200, 5300MHz ch60 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 0.545 V/m; Power Drift = 4.87 dB

Peak SAR (extrapolated) = 0.076 W/kg

**SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00878 mW/g**

Maximum value of SAR (measured) = 0.061 mW/g



|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| <b>DUT Type:</b>        | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot F58

Date/Time: 09/03/2015 4:16:36 PM

### 5200 Head 9 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 9 March 2015 Ambient Temp: 22C; Fluid Temp: 19.5C; Humidity: 14%

Procedure Notes:

Communication System: CW

Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: TSL\_5200H Medium parameters used:  $f = 5240 \text{ MHz}$ ;  $\sigma = 4.58 \text{ mho/m}$ ;  $\epsilon_r = 33.7$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(4.56, 4.56, 4.56); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**F58 Face XL-200, 5240MHz ch48 4000-1 SCAN/Area Scan (10x40x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

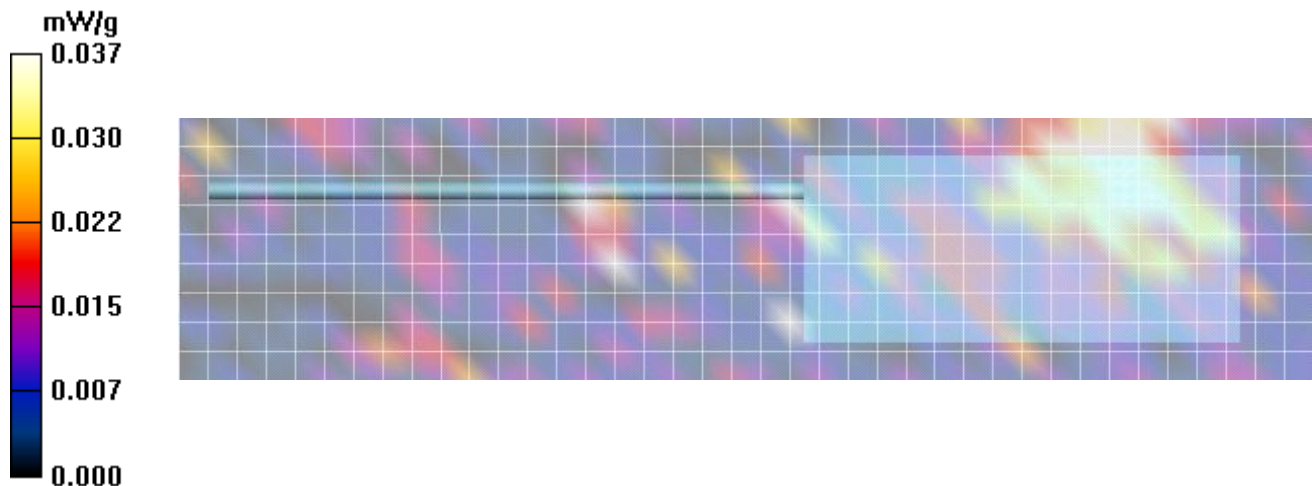
**F58 Face XL-200, 5240MHz ch48 4000-1 SCAN/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 1.38 V/m; Power Drift = -1.98 dB

Peak SAR (extrapolated) = 0.053 W/kg

**SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00836 mW/g**

Maximum value of SAR (measured) = 0.037 mW/g



|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| <b>DUT Type:</b>        | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot B59

Date/Time: 10/03/2015 1:20:48 PM

### 5200 Body 10 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 9 March 2015 Ambient Temp: 22C; Fluid Temp: 19.5C; Humidity: 14%

Procedure Notes:

Communication System: CW

Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: TSL\_5200B Medium parameters used:  $f = 5180 \text{ MHz}$ ;  $\sigma = 5.55 \text{ mho/m}$ ;  $\epsilon_r = 48.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(4.06, 4.06, 4.06); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**B59 Body XL-200, 5180MHz ch36 4000-1 SYS/Area Scan (10x40x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.046 mW/g

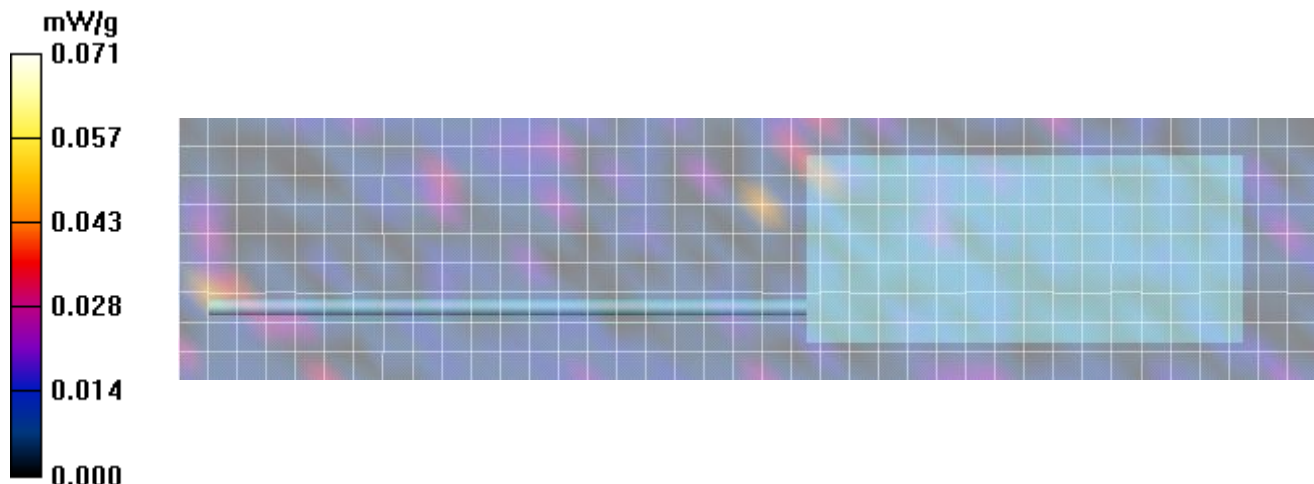
**B59 Body XL-200, 5180MHz ch36 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.881 V/m; Power Drift = -10.1 dB

Peak SAR (extrapolated) = 0.076 W/kg

**SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.00889 mW/g**

Maximum value of SAR (measured) = 0.071 mW/g



|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot B60

Date/Time: 10/03/2015 1:59:54 PM

### 5200 Body 10 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 9 March 2015 Ambient Temp: 22C; Fluid Temp: 19.5C; Humidity: 14%

Procedure Notes:

Communication System: CW

Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: TSL\_5200B Medium parameters used:  $f = 5240 \text{ MHz}$ ;  $\sigma = 5.55 \text{ mho/m}$ ;  $\epsilon_r = 47.9$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(4.06, 4.06, 4.06); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**B60 Body XL-200, 5240MHz ch48 4000-1 SYS/Area Scan (10x40x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.049 mW/g

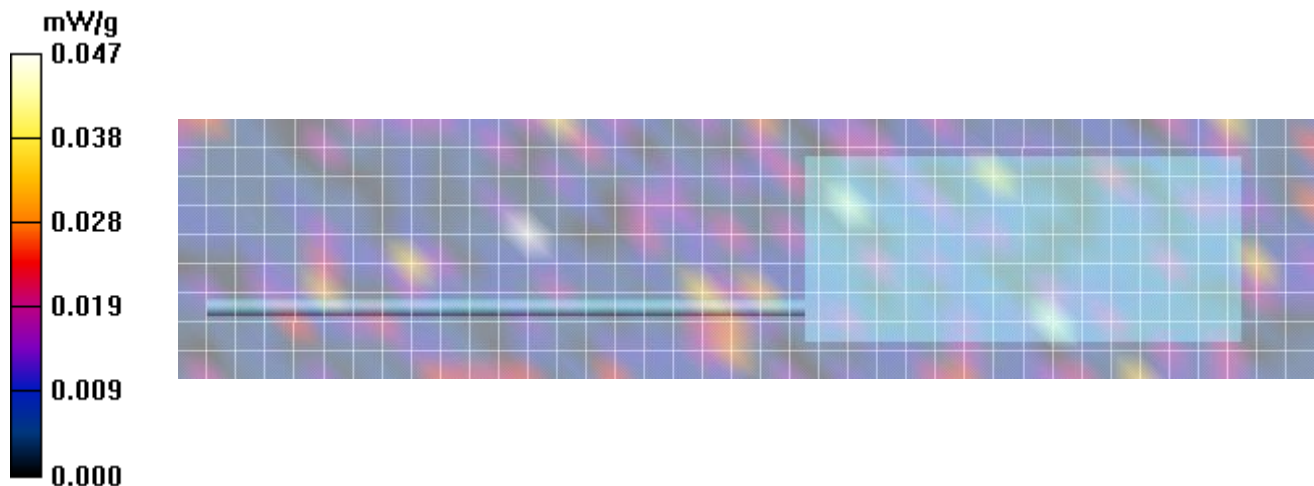
**B60 Body XL-200, 5240MHz ch48 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.08 V/m; Power Drift = -0.533 dB

Peak SAR (extrapolated) = 0.088 W/kg

**SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00799 mW/g**

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



|                         |                                                                                                                      |                                                          |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>Harris Corporation</b>                                                                                            | <b>Class II Change for addition of WiFi an BlueTooth</b> |  |
| <b>DUT Type:</b>        | <b>XL-200P Multi-Band Portable PTT Transceiver</b>                                                                   |                                                          |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot B61

Date/Time: 10/03/2015 2:42:22 PM

### 5200 Body 10 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 9 March 2015 Ambient Temp: 22C; Fluid Temp: 19.5C; Humidity: 14%

#### Procedure Notes:

Communication System: CW

Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: TSL\_5200B Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 5.62 \text{ mho/m}$ ;  $\epsilon_r = 48$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(4.06, 4.06, 4.06); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**B61 Body XL-200, 5260MHz ch52 4000-1 SYS/Area Scan (10x40x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.036 mW/g

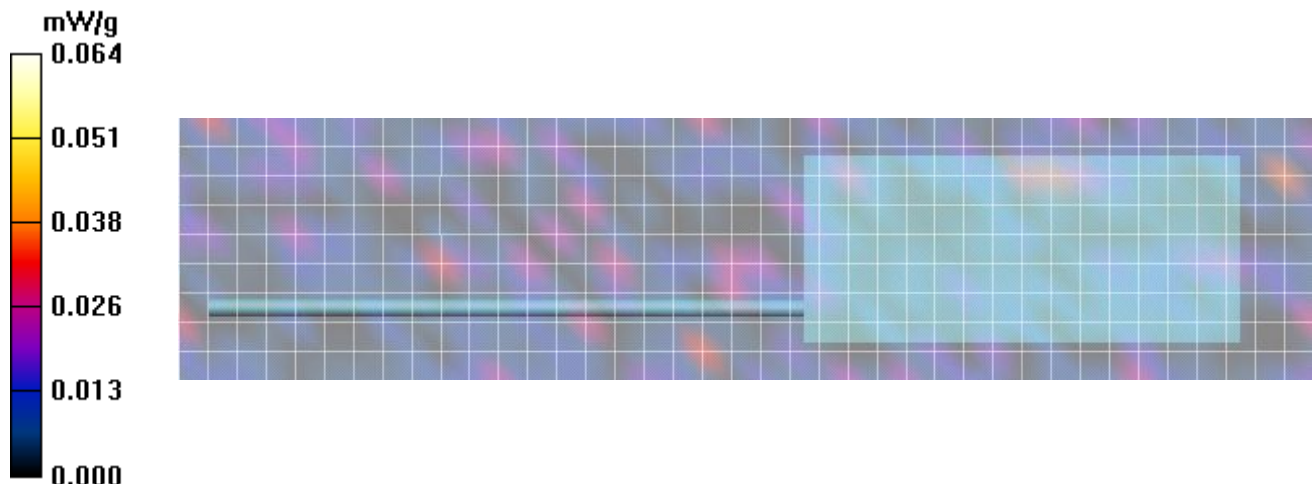
**B61 Body XL-200, 5260MHz ch52 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 0.849 V/m; Power Drift = 1.19 dB

Peak SAR (extrapolated) = 0.069 W/kg

**SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.013 mW/g**

Maximum value of SAR (measured) = 0.064 mW/g



|                         |                                                                                                                      |                                                          |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>Harris Corporation</b>                                                                                            | <b>Class II Change for addition of WiFi an BlueTooth</b> |  |
| <b>DUT Type:</b>        | <b>XL-200P Multi-Band Portable PTT Transceiver</b>                                                                   |                                                          |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot B62

Date/Time: 10/03/2015 3:18:37 PM

### 5200 Body 10 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 9 March 2015 Ambient Temp: 22C; Fluid Temp: 19.5C; Humidity: 14%

Procedure Notes:

Communication System: CW

Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: TSL\_5200B Medium parameters used:  $f = 5300 \text{ MHz}$ ;  $\sigma = 5.68 \text{ mho/m}$ ;  $\epsilon_r = 48$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(4.06, 4.06, 4.06); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**B62 Body XL-200, 5300MHz ch60 4000-1 SYS/Area Scan (10x40x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.064 mW/g

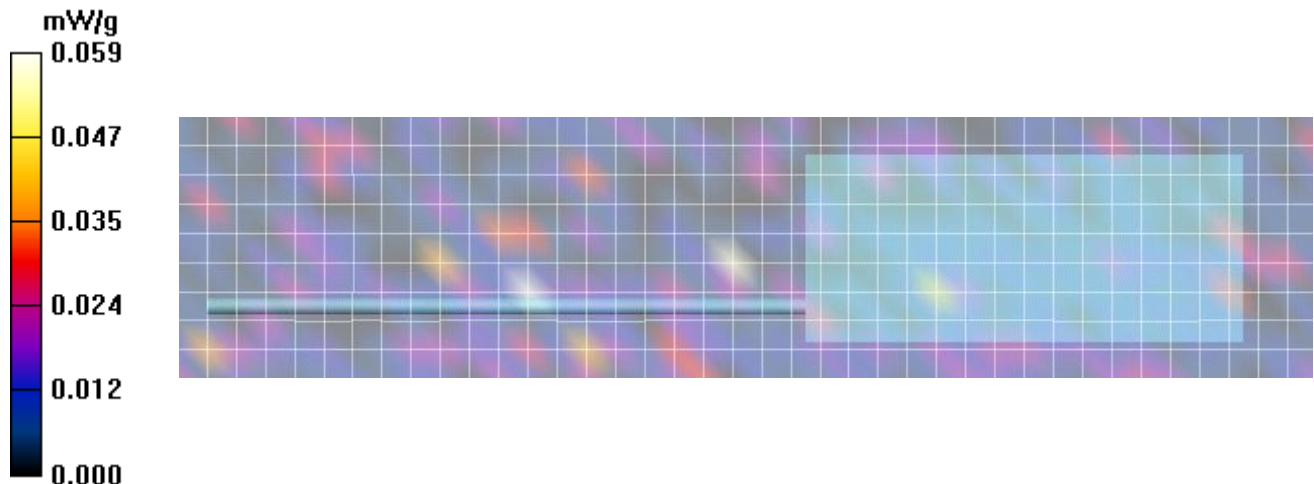
**B62 Body XL-200, 5300MHz ch60 4000-1 SYS/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 1.42 V/m; Power Drift = -5.90 dB

Peak SAR (extrapolated) = 0.088 W/kg

**SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.0082 mW/g**

Maximum value of SAR (measured) = 0.059 mW/g



|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|                                                                                   |                                                   |                                                           |                                                          |                                                                                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Plot B63

Date/Time: 10/03/2015 3:55:38 PM

### 5200 Body 10 March 2015

**DUT: Harris; Type: PTT Radio Transceiver; Serial: Not Specified**

Program Notes: 9 March 2015 Ambient Temp: 22C; Fluid Temp: 19.5C; Humidity: 14%

#### Procedure Notes:

Communication System: CW

Frequency: 5260 MHz; Duty Cycle: 1:1

Medium: TSL\_5200B Medium parameters used:  $f = 5260 \text{ MHz}$ ;  $\sigma = 5.62 \text{ mho/m}$ ;  $\epsilon_r = 48$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(4.06, 4.06, 4.06); Calibrated: 15/04/2014
- Sensor-Surface: 4mm (Mechanical Surface Detection (Locations From Previous Scan Used))Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**B63 Body XL-200, 5260MHz ch52 4000-1 SCAN/Area Scan (10x40x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

Maximum value of SAR (measured) = 0.055 mW/g

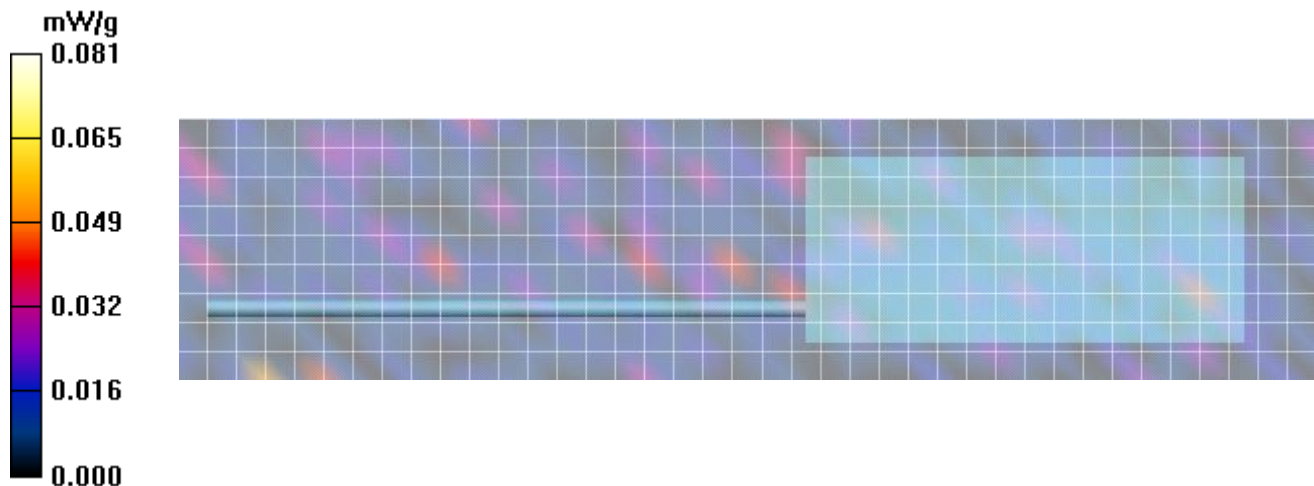
**B63 Body XL-200, 5260MHz ch52 4000-1 SCAN/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 2.44 V/m; Power Drift = -8.22 dB

Peak SAR (extrapolated) = 0.099 W/kg

**SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.020 mW/g**

Maximum value of SAR (measured) = 0.081 mW/g



|                         |                                                                                                                      |                                                          |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>Harris Corporation</b>                                                                                            | <b>Class II Change for addition of WiFi an BlueTooth</b> |  |
| <b>DUT Type:</b>        | <b>XL-200P Multi-Band Portable PTT Transceiver</b>                                                                   |                                                          |                                                                                       |
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|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## APPENDIX B - SYSTEM VERIFICATION MEASUREMENT PLOTS

|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

Date/Time: 26/02/2015 2:12:18 PM

## SPC 2450H 26 Feb 2015

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 825; Calibrated: 25/04/2012**

Program Notes: 26 Feb 2015 Ambient Temp: 23C; Fluid Temp: 22.2C; Humidity: 13%

### Procedure Notes:

Communication System: CW

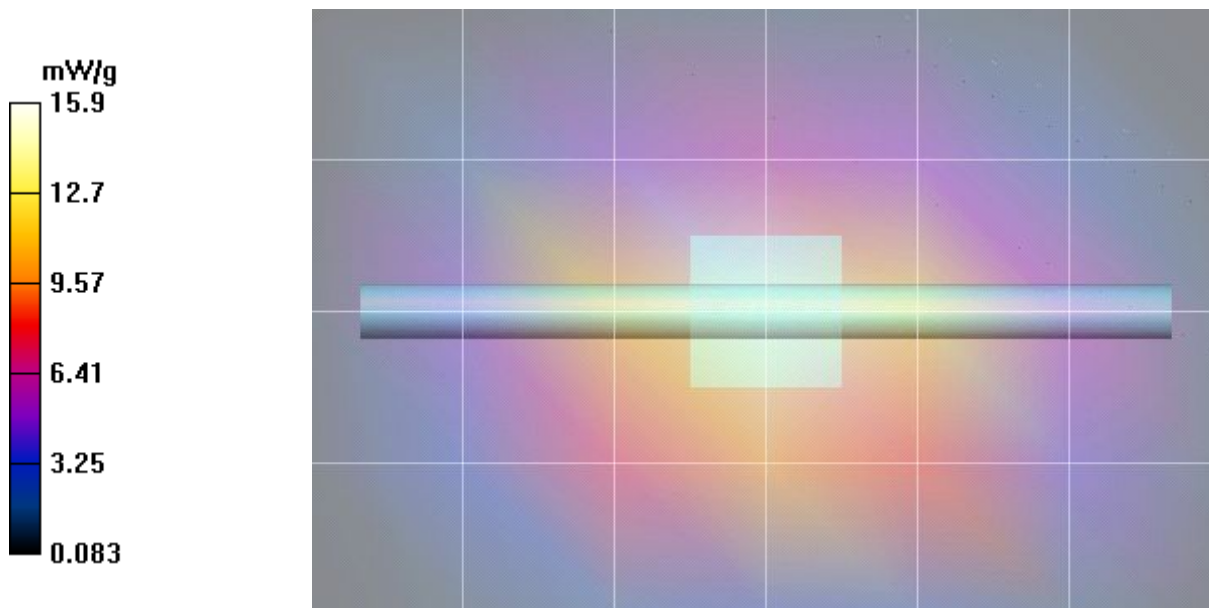
Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: TSL\_2450H Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 1.94 \text{ mho/m}$ ;  $\epsilon_r = 38.9$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(6.19, 6.19, 6.19); Calibrated: 15/04/2014
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**2450 MHz Head Dipole d=10mm P=250mW TS=[11.43][12.70][13.97]/Area Scan (5x7x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (measured) = 14.8 mW/g

**2450 MHz Head Dipole d=10mm P=250mW TS=[11.43][12.70][13.97]/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 87.8 V/m; Power Drift = 0.125 dB  
Peak SAR (extrapolated) = 26.6 W/kg  
**SAR(1 g) = 11.9 mW/g; SAR(10 g) = 5.4 mW/g**  
Maximum value of SAR (measured) = 15.9 mW/g

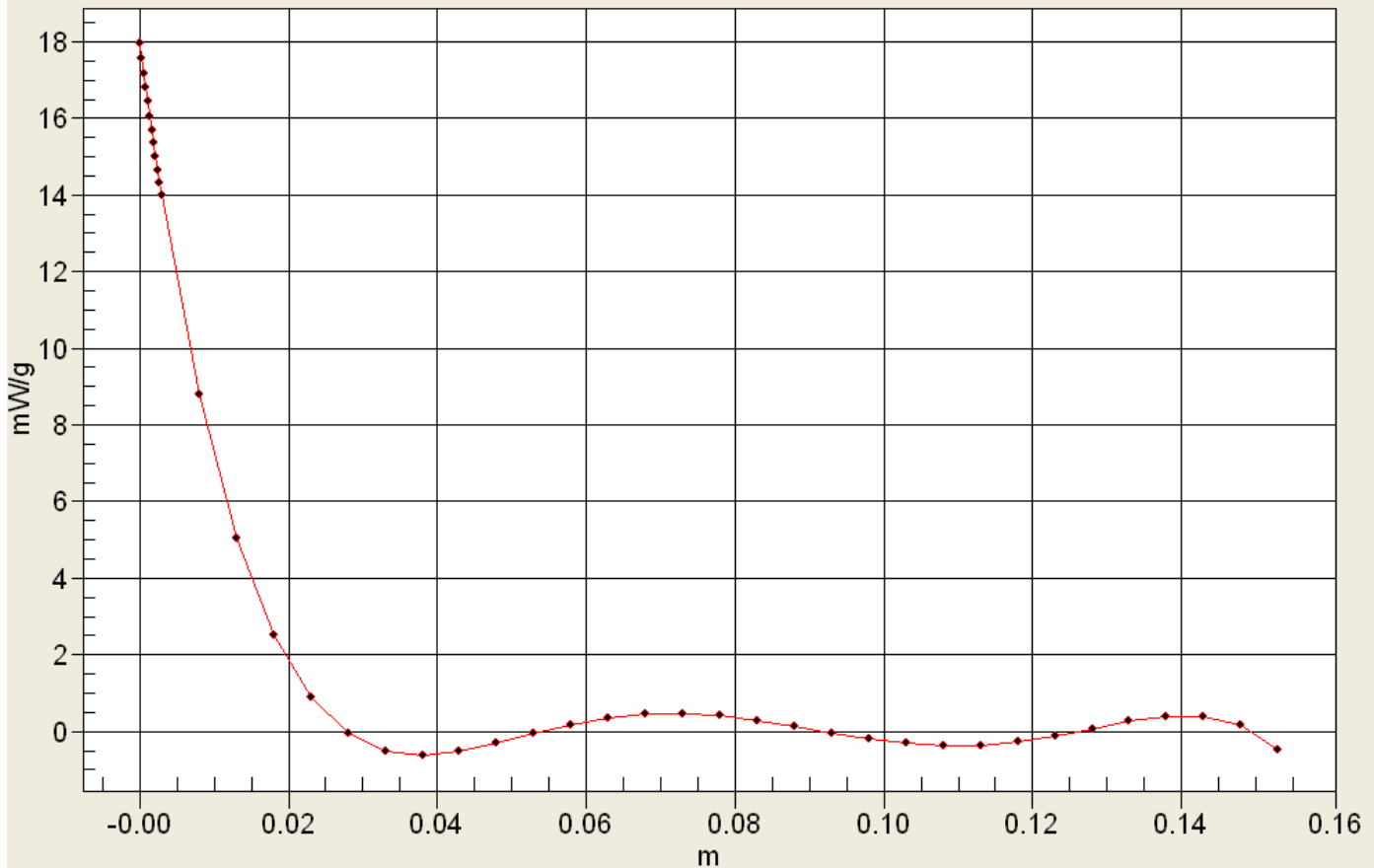


|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

## Interpolated SAR(x,y,z,f0)

SAR; Z Scan: Value Along Z, X=0, Y=0



|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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|                                                                                   |                                                   |                                                           |                                                          |                                                                                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

Date/Time: 04/03/2015 1:36:26 PM

#### SPC 2450B 4 March 2015

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 825; Calibrated: 25/04/2012**

Program Notes: 4 March 2015 Ambient Temp: 23C; Fluid Temp: 21C; Humidity: 11%

#### Procedure Notes:

Communication System: CW

Frequency: 2450 MHz; Duty Cycle: 1:1

Medium: TSL\_2450B Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 1.81 \text{ mho/m}$ ;  $\epsilon_r = 50.1$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(6.26, 6.26, 6.26); Calibrated: 15/04/2014
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**2450 MHz Body Dipole  $d=10\text{mm}$   $P=250\text{mW}$   $TS=[11.43][12.70][13.97]$ /Area Scan (5x7x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$   
Maximum value of SAR (measured) = 15.6 mW/g

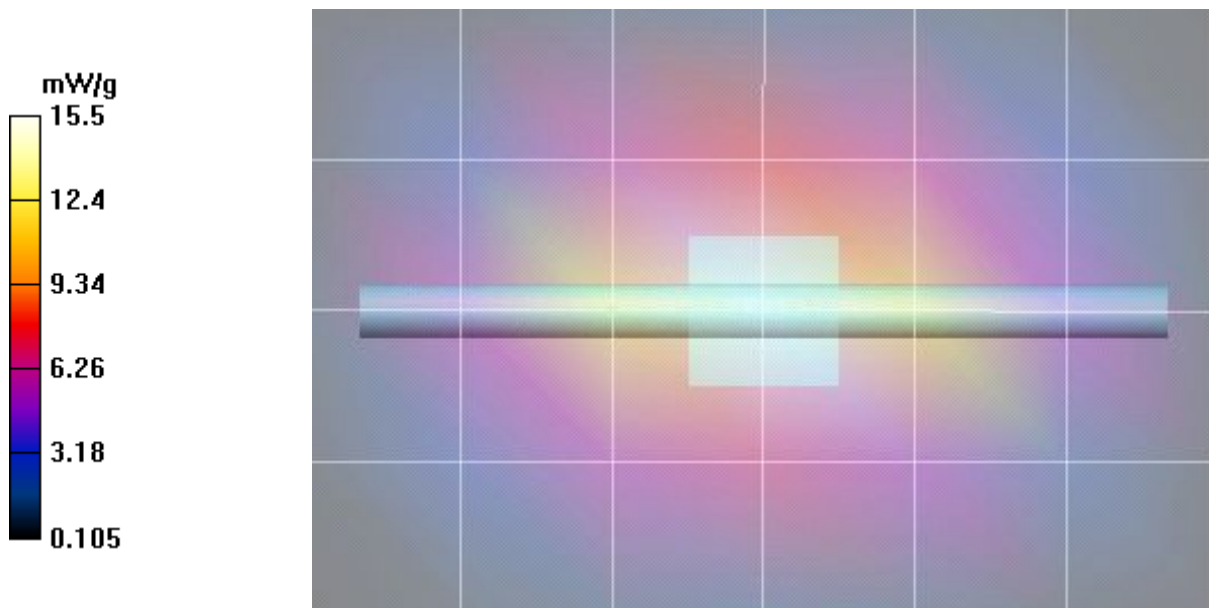
**2450 MHz Body Dipole  $d=10\text{mm}$   $P=250\text{mW}$   $TS=[11.43][12.70][13.97]$ /Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 92.8 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 25.5 W/kg

**SAR(1 g) = 11.8 mW/g; SAR(10 g) = 5.41 mW/g**

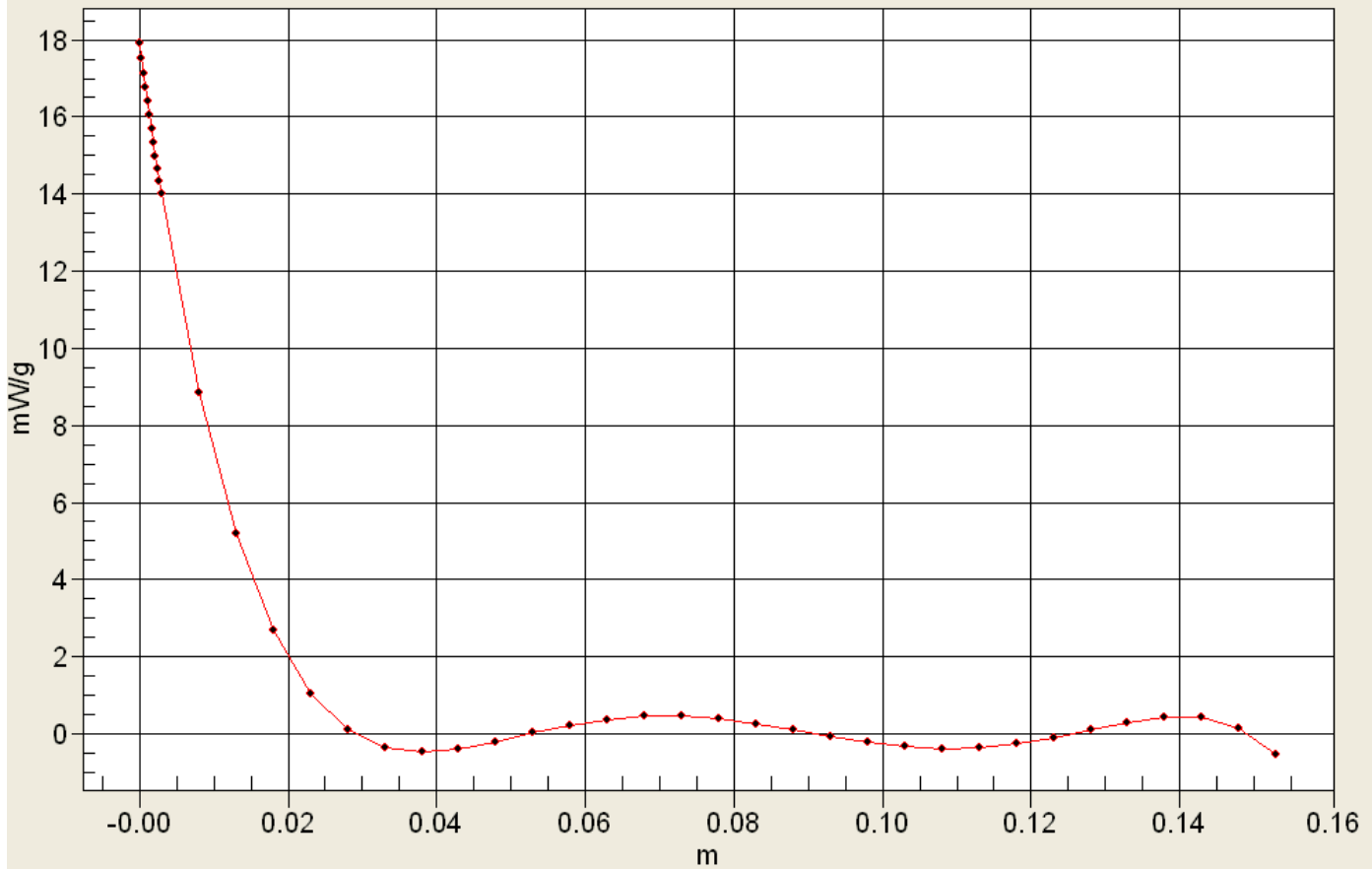
Maximum value of SAR (measured) = 15.5 mW/g



|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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### Interpolated SAR(x,y,z,f0)

SAR; Z Scan: Value Along Z, X=0, Y=0



|                                                                                   |                                                   |                                                           |                                                          |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              |  |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                     |

Date/Time: 06/03/2015 12:23:04 PM

## SPC 5200H 6 March 2015

**DUT: Dipole 5GHz; Type: D5GHzV2; Serial: 1031; Calibrated: 04/29/2009**

Program Notes: March 6, 2014 Ambient Temp: 24C Fluid Temp: 21.7C Humidity: 10%

Procedure Notes:

Communication System: CW

Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: TSL\_5200H Medium parameters used:  $f = 5200 \text{ MHz}$ ;  $\sigma = 4.49 \text{ mho/m}$ ;  $\epsilon_r = 33.9$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(4.56, 4.56, 4.56); Calibrated: 15/04/2014
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

### 5200-5800 MHz Dipole d=10mm P=51mW, TS=7.69/Area Scan (3x5x1): Measurement grid:

dx=5mm, dy=5mm

Maximum value of SAR (measured) = 8.24 mW/g

### 5200-5800 MHz Dipole d=10mm P=51mW, TS=7.69/Zoom Scan (7x7x9)/Cube 0:

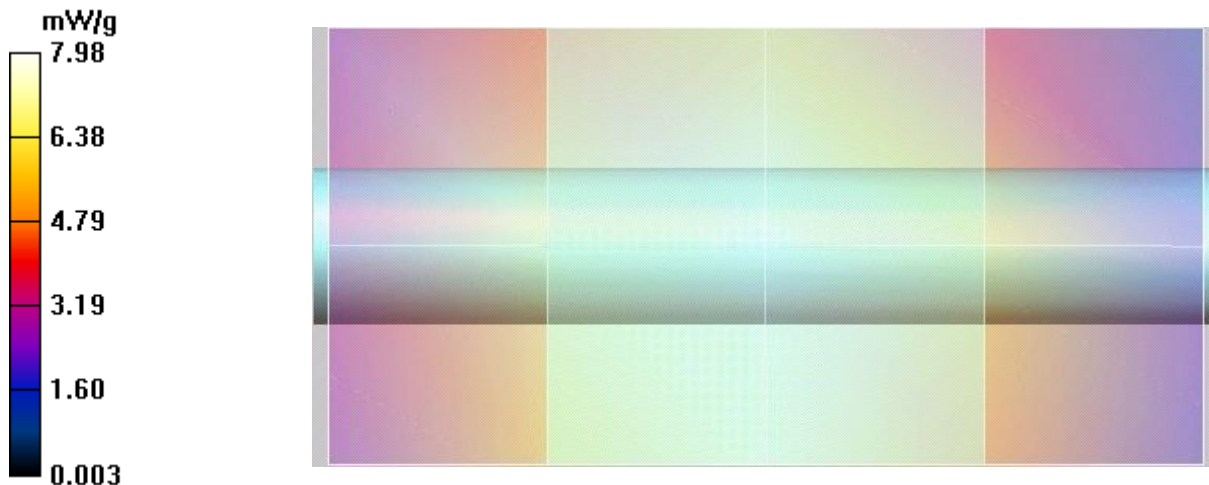
Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 46.0 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 16.0 W/kg

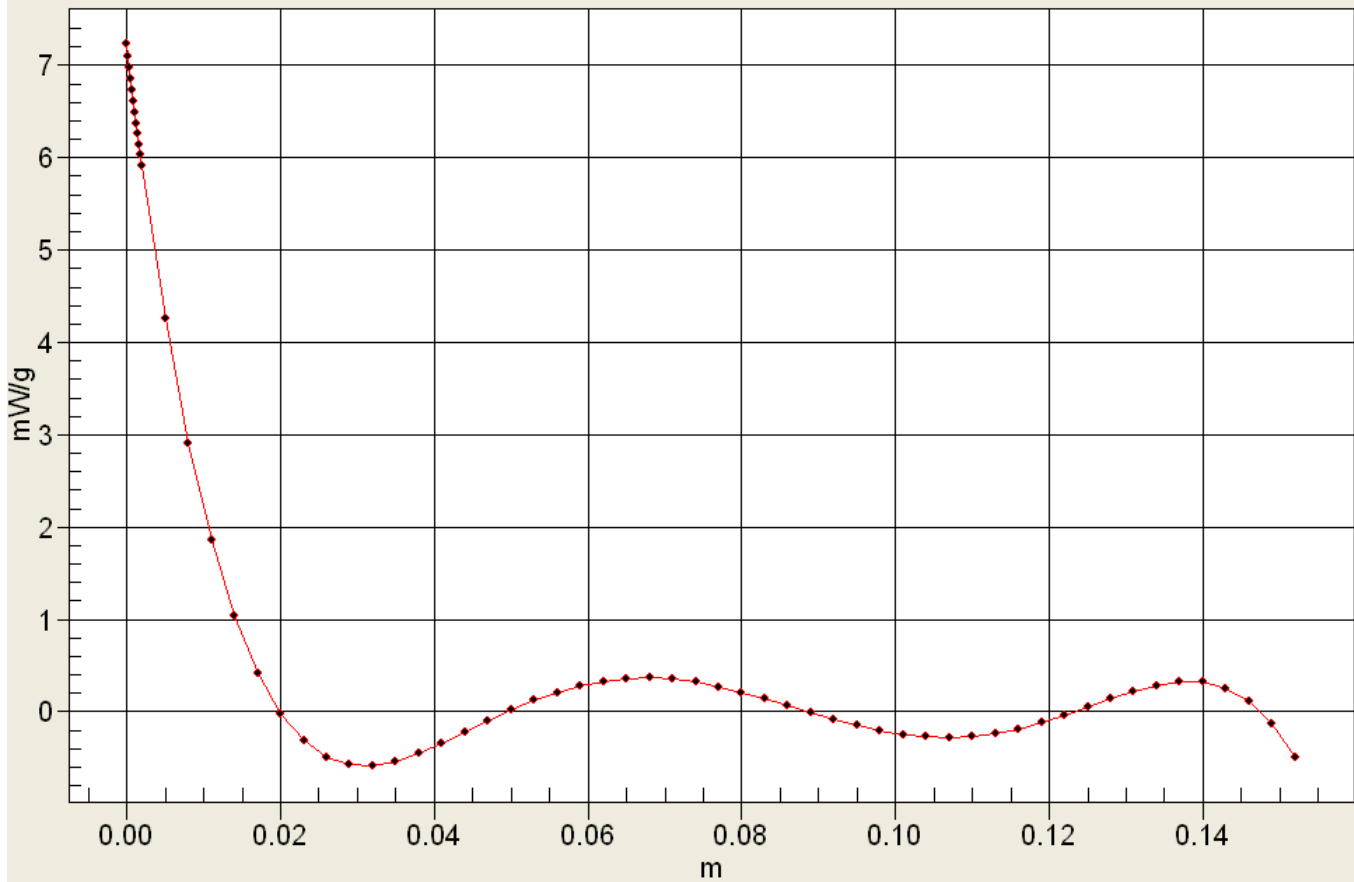
**SAR(1 g) = 4.09 mW/g; SAR(10 g) = 1.2 mW/g**

Maximum value of SAR (measured) = 7.98 mW/g



|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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**Interpolated SAR(x,y,z,f0)**  
 SAR; Z Scan: Value Along Z, X=0, Y=0



|                                                                                   |                                                   |                                                           |                                                          |                                                                                                                         |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>March 2 – 10 2015 | <u>Test Report Serial No.</u><br>031315OWD-1302-S         | <u>Test Report Revision No.</u><br>Rev. 1.1              | <br>Test Lab Certificate No. 2470.01 |
|                                                                                   | <u>Test Report Issue Date</u><br>March 17, 2015   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled) |                                                                                                                         |

Date/Time: 10/03/2015 12:32:30 PM

#### SPC 5200B 10 March 2015

**DUT: Dipole 5GHz; Type: D5GHzV2; Serial: 1031; Calibrated: 04/29/2009**

Program Notes: March 10, 2014 Ambient Temp: 24C Fluid Temp: 21.2C Humidity: 13%

#### Procedure Notes:

Communication System: CW

Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: TSL\_5200B Medium parameters used:  $f = 5200 \text{ MHz}$ ;  $\sigma = 5.59 \text{ mho/m}$ ;  $\epsilon_r = 48.4$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(4.06, 4.06, 4.06); Calibrated: 15/04/2014
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn353; Calibrated: 09/04/2014
- Phantom: ELI v5.0; Type: QDOVA002AA; Serial: TP:xxxx
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**5200-5800 MHz Dipole d=10mm P=50mW, TS=7.32/Area Scan (3x5x1):** Measurement grid: dx=5mm, dy=5mm

Maximum value of SAR (measured) = 6.96 mW/g

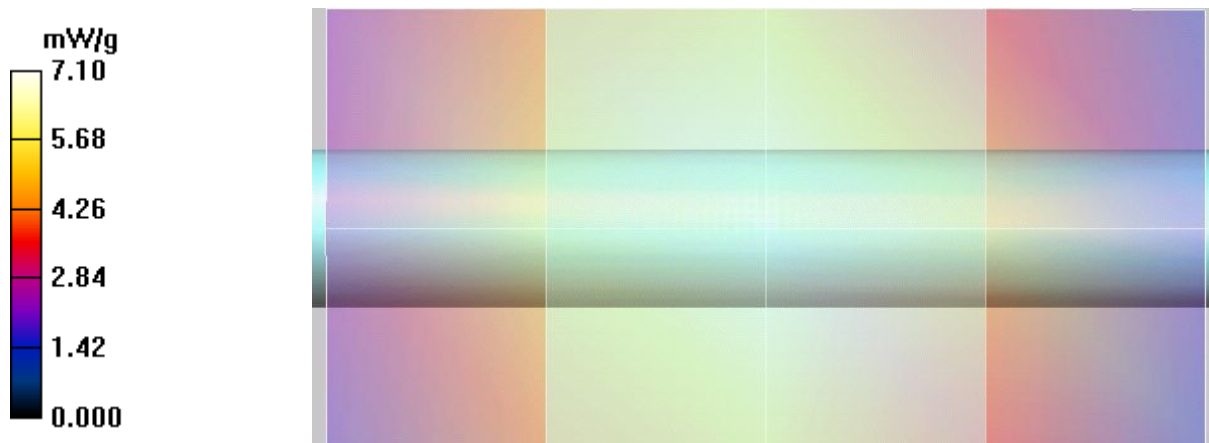
**5200-5800 MHz Dipole d=10mm P=50mW, TS=7.32/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 37.9 V/m; Power Drift = 0.004 dB

Peak SAR (extrapolated) = 13.6 W/kg

**SAR(1 g) = 3.45 mW/g; SAR(10 g) = 0.995 mW/g**

Maximum value of SAR (measured) = 7.10 mW/g



|                         |                                                                                                                      |                                                   |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|
| Applicant:              | Harris Corporation                                                                                                   | Class II Change for addition of WiFi an BlueTooth |  |
| DUT Type:               | XL-200P Multi-Band Portable PTT Transceiver                                                                          |                                                   |                                                                                       |
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### Interpolated SAR(x,y,z,f0)

SAR; Z Scan: Value Along Z, X=0, Y=0

