

|                                                                                  |                                                 |                                                           |                                                           |                                                                                                                        |
|----------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) | <br>Test Lab Certificate No. 2470.01 |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                                                        |

## APPENDIX A - SAR MEASUREMENT PLOTS

|                         |                                                |                                                                                                                      |                     |                  |                    |                                                                                       |
|-------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------|------------------|--------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>HARRIS Corporation</b>                      | <b>FCC ID:</b>                                                                                                       | <b>OWDTR-0131-E</b> | <b>IC:</b>       | <b>3636B-0131</b>  |  |
| <b>DUT Type:</b>        | <b>Portable UHF Band PTT Radio Transceiver</b> |                                                                                                                      |                     | <b>DUT Name:</b> | <b>XG-75 UHF-H</b> |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) | <br>Test Lab Certificate No. 2470.01 |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                                                        |

## Plot F1

Date Tested: 05/14/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.8C; Humidity: 13%

Communication System: UHF 400-500

Frequency: 472.65 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated):  $f = 472.65 \text{ MHz}$ ;  $\sigma = 0.88 \text{ mho/m}$ ;  $\epsilon_r = 43$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.4, 9.4, 9.4); 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

**Head - XG-75 UHF-H SYS, 472.65MHz, CW, P-1, T-2/Area Scan (6x17x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.08 mW/g

**Head - XG-75 UHF-H SYS, 472.65MHz, CW, P-1, T-2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

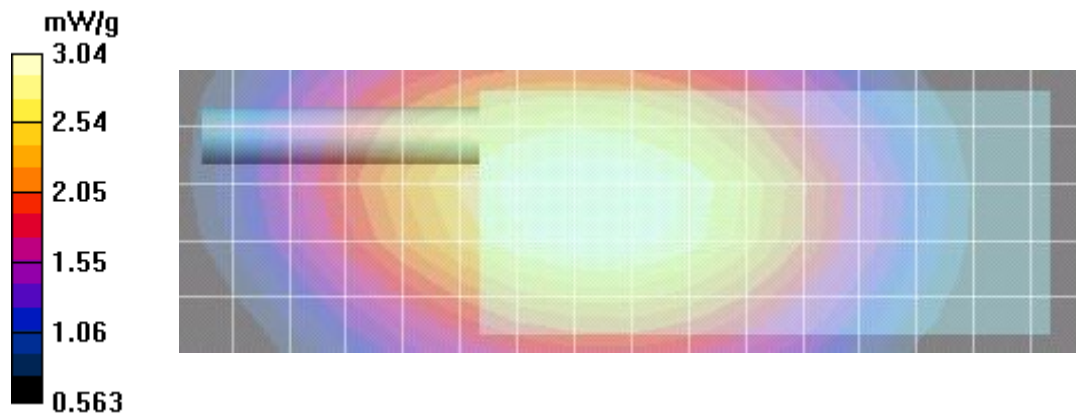
Reference Value = 58.3 V/m; Power Drift = -0.368 dB

Peak SAR (extrapolated) = 3.69 W/kg

**SAR(1 g) = 2.9 mW/g; SAR(10 g) = 2.2 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

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



|                         |                                                |                                                                                                                      |                     |                  |                    |                                                                                       |
|-------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------|------------------|--------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>HARRIS Corporation</b>                      | <b>FCC ID:</b>                                                                                                       | <b>OWDTR-0131-E</b> | <b>IC:</b>       | <b>3636B-0131</b>  |  |
| <b>DUT Type:</b>        | <b>Portable UHF Band PTT Radio Transceiver</b> |                                                                                                                      |                     | <b>DUT Name:</b> | <b>XG-75 UHF-H</b> |                                                                                       |
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|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <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 F2

Date Tested: 05/14/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.8C; Humidity: 13%

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.86 \text{ mho/m}$ ;  $\epsilon_r = 43.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.4, 9.4, 9.4); 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

**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-1, T-3/Area Scan (6x17x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (measured) = 4.22 mW/g

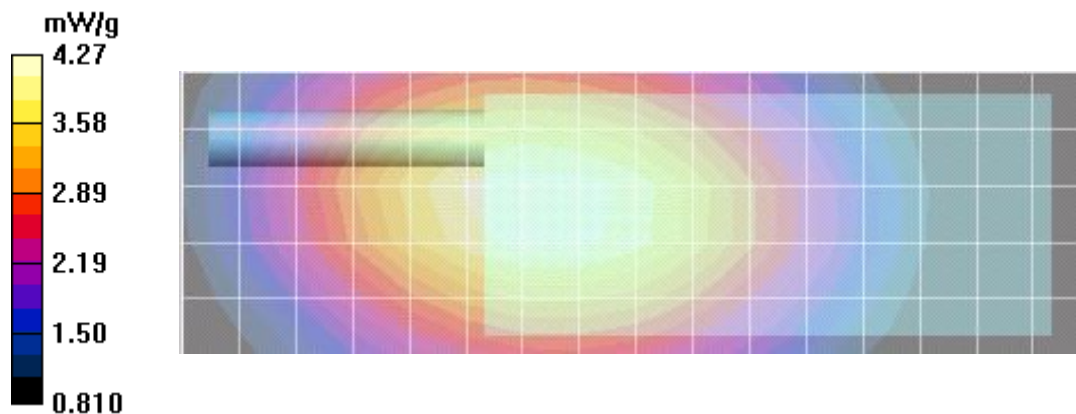
**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-1, T-3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 69.6 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 5.16 W/kg

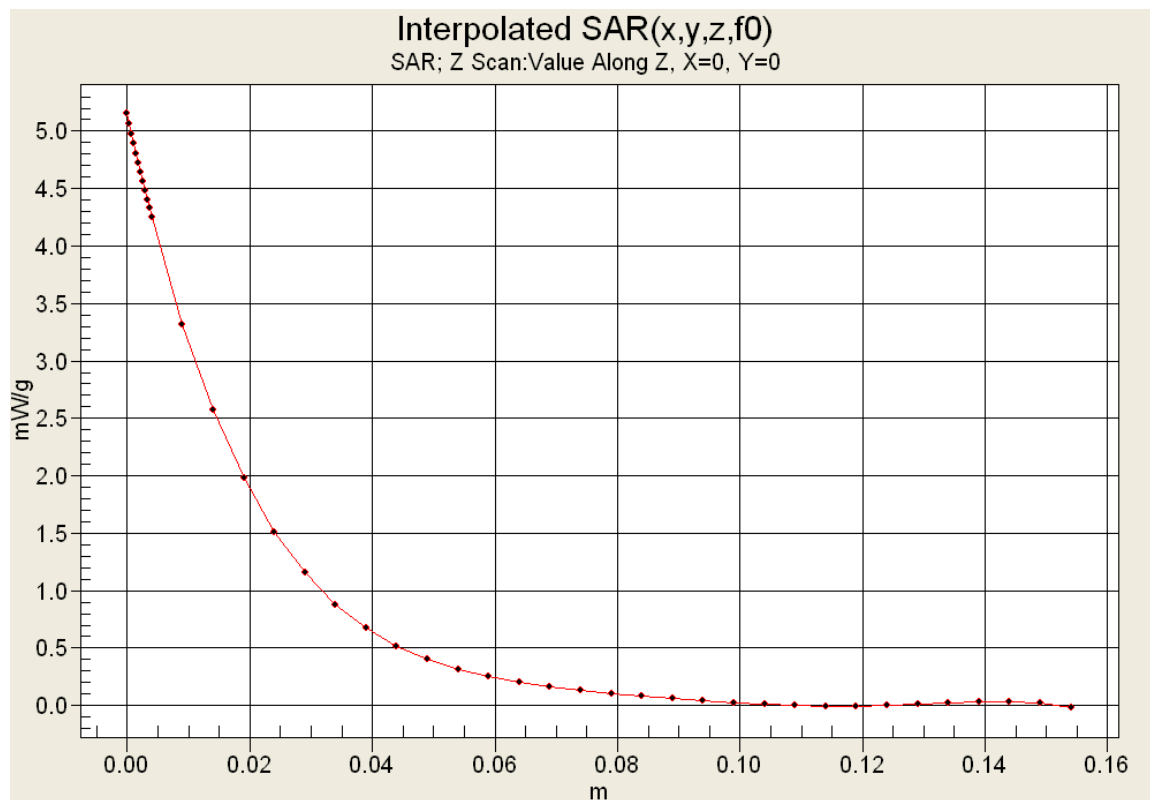
**SAR(1 g) = 4.08 mW/g; SAR(10 g) = 3.11 mW/g**

Maximum value of SAR (measured) = 4.27 mW/g



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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## Z-Axis Scan



|                                                                                  |                                                 |                                                           |                                                           |                                                                                    |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <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 F3

Date Tested: 05/15/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.8C; Humidity: 28%

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.86 \text{ mho/m}$ ;  $\epsilon_r = 43.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.4, 9.4, 9.4); 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

**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-1, T-2/Area Scan (6x17x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (measured) = 4.25 mW/g

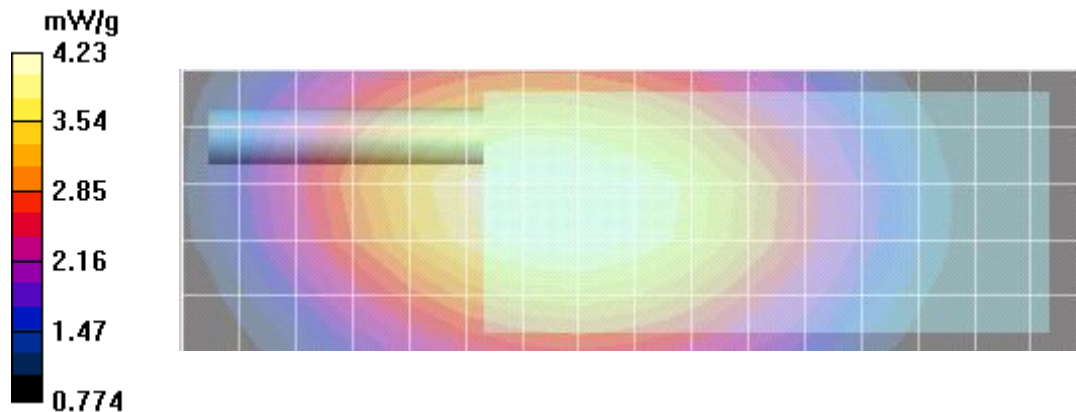
**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-1, T-2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 70.4 V/m; Power Drift = -0.196 dB

Peak SAR (extrapolated) = 5.15 W/kg

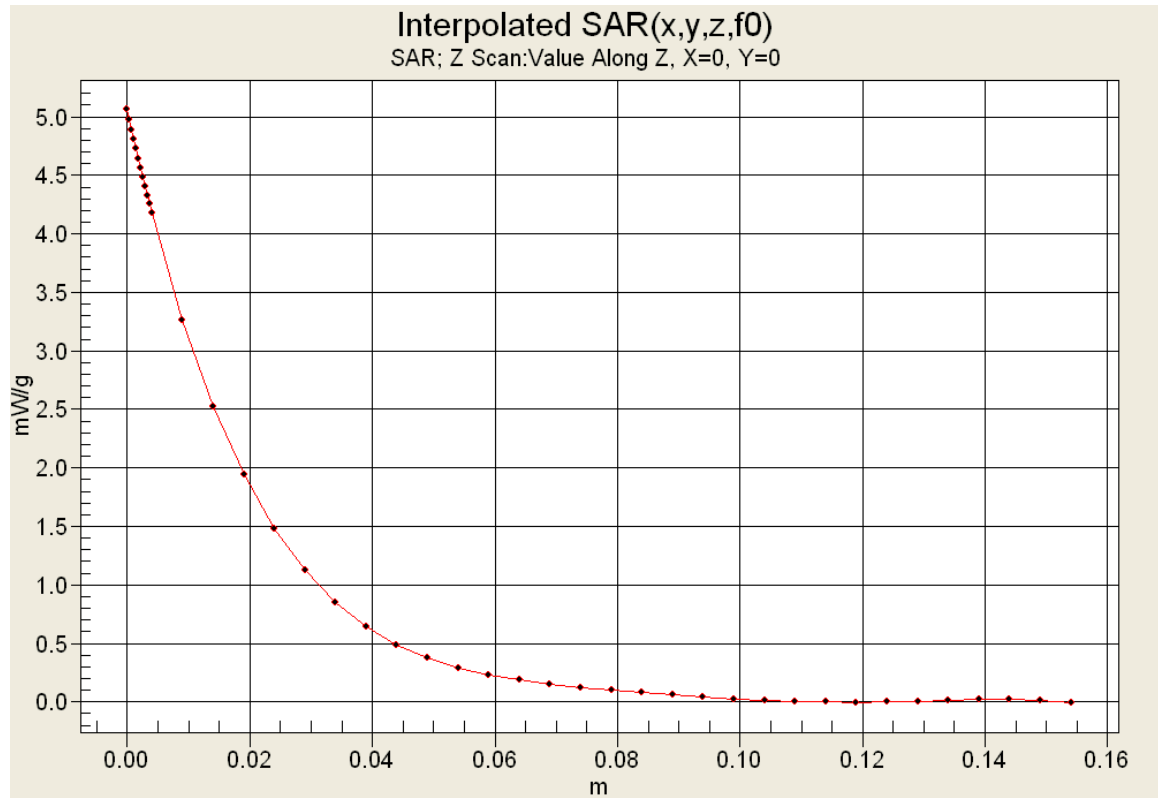
**SAR(1 g) = 4.04 mW/g; SAR(10 g) = 3.07 mW/g**

Maximum value of SAR (measured) = 4.23 mW/g



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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## Z-Axis Scan



|                                                                                  |                                                 |                                                           |                                                           |                                                                                                                        |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) | <br>Test Lab Certificate No. 2470.01 |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                                                        |

#### Plot F4

Date Tested: 05/15/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.8C; Humidity: 28%

Communication System: UHF 400-500

Frequency: 487.75 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated):  $f = 487.75 \text{ MHz}$ ;  $\sigma = 0.88 \text{ mho/m}$ ;  $\epsilon_r = 42.6$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.4, 9.4, 9.4); 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

**Head - XG-75 UHF-H SYS, 487.75MHz, CW, P-1, T-2/Area Scan (6x17x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.48 mW/g

**Head - XG-75 UHF-H SYS, 487.75MHz, CW, P-1, T-2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

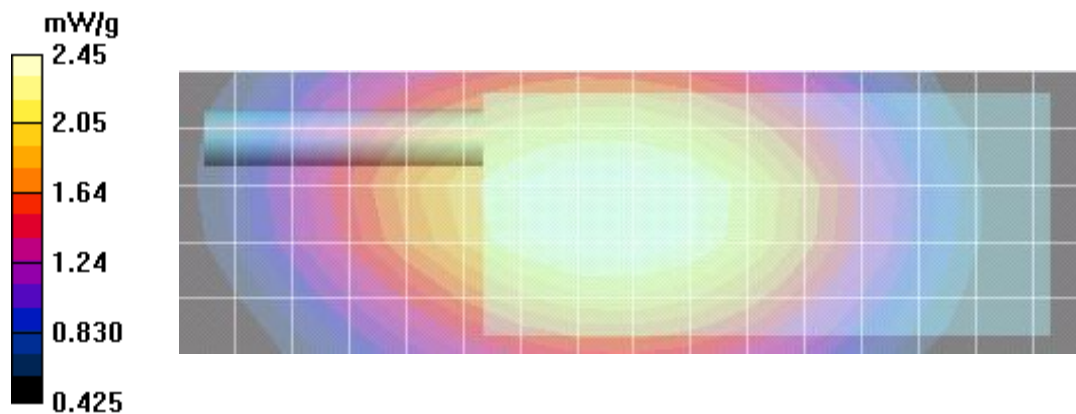
Reference Value = 51.1 V/m; Power Drift = -0.348 dB

Peak SAR (extrapolated) = 3.00 W/kg

**SAR(1 g) = 2.33 mW/g; SAR(10 g) = 1.76 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.45 mW/g



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|                                                                                 | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                                                       |

## Plot F5

Date Tested: 05/15/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.8C; Humidity: 28%

Communication System: UHF 400-500

Frequency: 502.85 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated):  $f = 502.85 \text{ MHz}$ ;  $\sigma = 0.903 \text{ mho/m}$ ;  $\epsilon_r = 42.7$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.4, 9.4, 9.4); 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

**Head - XG-75 UHF-H SYS, 502.85MHz, CW, P-1, T-2/Area Scan (6x17x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

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

**Head - XG-75 UHF-H SYS, 502.85MHz, CW, P-1, T-2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

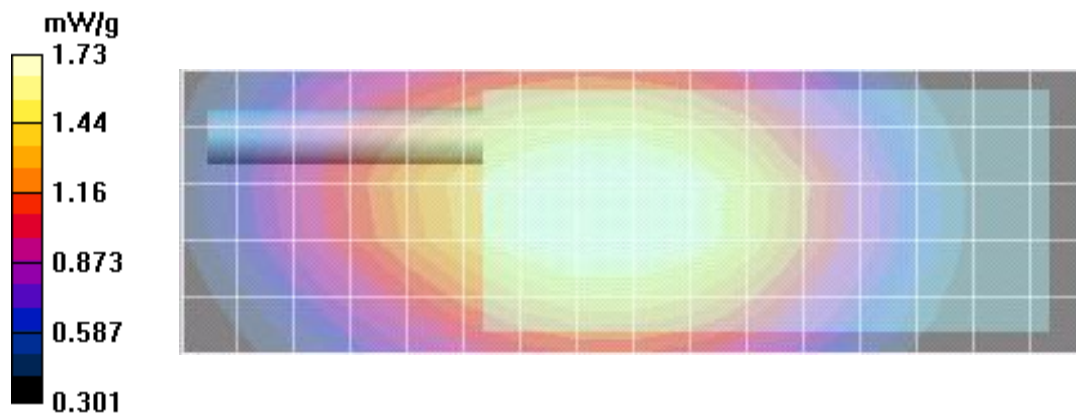
Reference Value = 42.5 V/m; Power Drift = -0.346 dB

Peak SAR (extrapolated) = 2.11 W/kg

**SAR(1 g) = 1.65 mW/g; SAR(10 g) = 1.24 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 1.73 mW/g



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                                                        |

## Plot F6

Date Tested: 05/15/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.8C; Humidity: 28%

Communication System: UHF 400-500

Frequency: 517.95 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated):  $f = 517.95 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 42.4$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.4, 9.4, 9.4); 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

**Head - XG-75 UHF-H SYS, 517.95MHz, CW, P-1, T-4/Area Scan (6x17x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.68 mW/g

**Head - XG-75 UHF-H SYS, 517.95MHz, CW, P-1, T-4/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

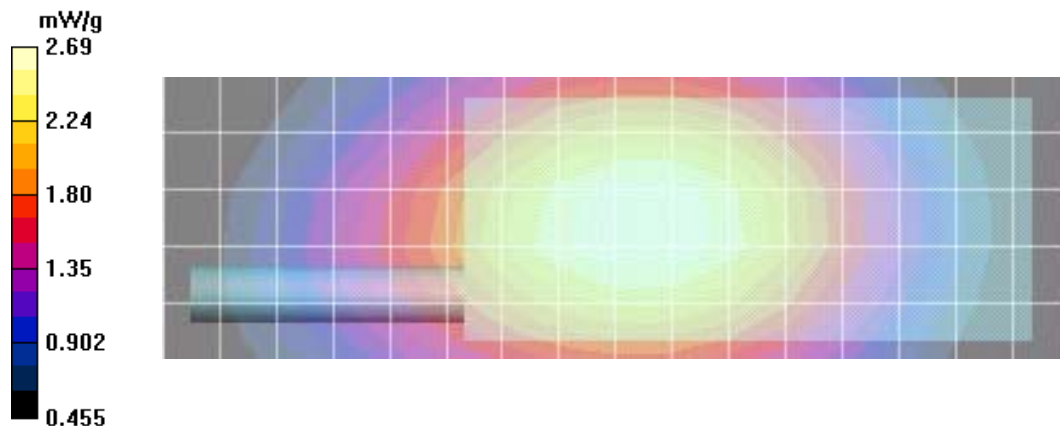
Reference Value = 47.7 V/m; Power Drift = -0.199 dB

Peak SAR (extrapolated) = 3.30 W/kg

**SAR(1 g) = 2.56 mW/g; SAR(10 g) = 1.92 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 2.69 mW/g



|                         |                                                |                                                                                                                      |                     |                  |                    |                                                                                       |
|-------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------|------------------|--------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>HARRIS Corporation</b>                      | <b>FCC ID:</b>                                                                                                       | <b>OWDTR-0131-E</b> | <b>IC:</b>       | <b>3636B-0131</b>  |  |
| <b>DUT Type:</b>        | <b>Portable UHF Band PTT Radio Transceiver</b> |                                                                                                                      |                     | <b>DUT Name:</b> | <b>XG-75 UHF-H</b> |                                                                                       |
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|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                                                        |

## Plot F7

Date Tested: 05/15/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.8C; Humidity: 28%

Communication System: UHF 400-500

Frequency: 502.85 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used (interpolated):  $f = 502.85 \text{ MHz}$ ;  $\sigma = 0.903 \text{ mho/m}$ ;  $\epsilon_r = 42.7$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.4, 9.4, 9.4); 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

**Head - XG-75 UHF-H SYS, 502.85MHz, CW, P-1, T-4/Area Scan (6x17x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

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

**Head - XG-75 UHF-H SYS, 502.85MHz, CW, P-1, T-4/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

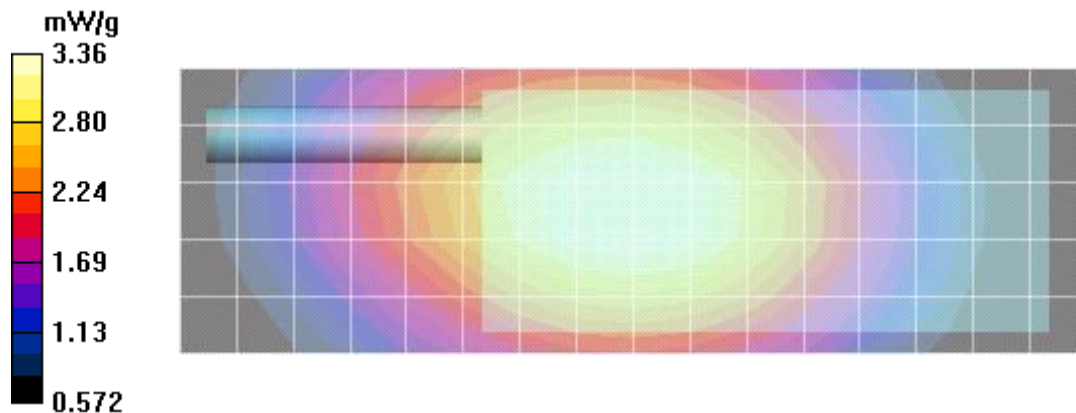
Reference Value = 58.1 V/m; Power Drift = -0.368 dB

Peak SAR (extrapolated) = 4.12 W/kg

**SAR(1 g) = 3.2 mW/g; SAR(10 g) = 2.4 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 3.36 mW/g



|                         |                                                |                                                                                                                      |                     |                  |                    |                                                                                       |
|-------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------|------------------|--------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>HARRIS Corporation</b>                      | <b>FCC ID:</b>                                                                                                       | <b>OWDTR-0131-E</b> | <b>IC:</b>       | <b>3636B-0131</b>  |  |
| <b>DUT Type:</b>        | <b>Portable UHF Band PTT Radio Transceiver</b> |                                                                                                                      |                     | <b>DUT Name:</b> | <b>XG-75 UHF-H</b> |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) | <br>Test Lab Certificate No. 2470.01 |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                                                        |

## Plot F8

Date Tested: 05/16/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.8C; Humidity: 28%

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.86 \text{ mho/m}$ ;  $\epsilon_r = 43.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.4, 9.4, 9.4); 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

**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-1, T-3/Area Scan (6x17x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
Maximum value of SAR (measured) = 4.14 mW/g

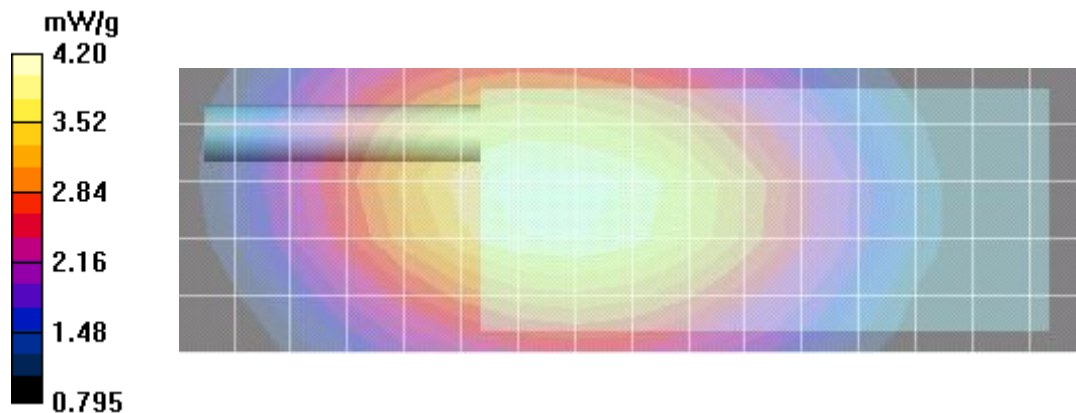
**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-1, T-3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 67.7 V/m; Power Drift = 0.179 dB

Peak SAR (extrapolated) = 5.06 W/kg

**SAR(1 g) = 4 mW/g; SAR(10 g) = 3.06 mW/g**

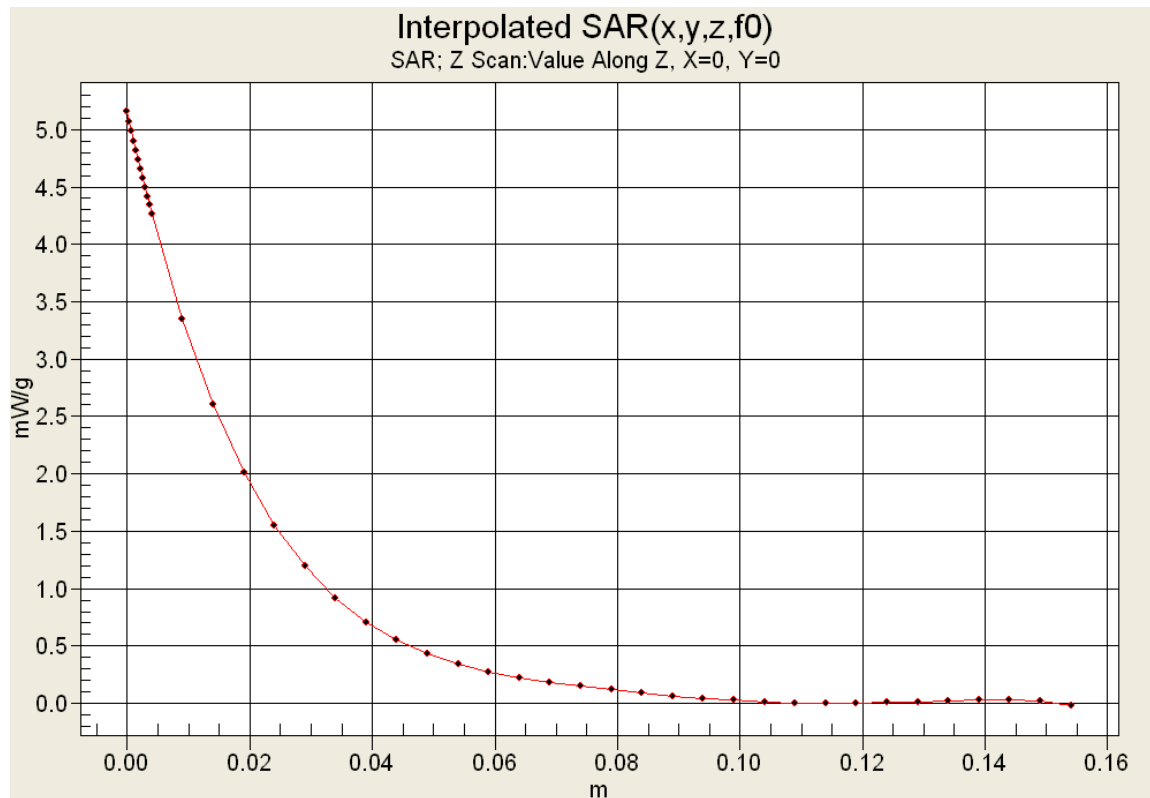
Maximum value of SAR (measured) = 4.20 mW/g



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                    |
| Test Lab Certificate No. 2470.01                                                 |                                                 |                                                           |                                                           |                                                                                    |

## Z-Axis Scan



|                         |                                                |                                                                                                                      |                     |                  |                    |                                                                                       |
|-------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------|------------------|--------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>HARRIS Corporation</b>                      | <b>FCC ID:</b>                                                                                                       | <b>OWDTR-0131-E</b> | <b>IC:</b>       | <b>3636B-0131</b>  |  |
| <b>DUT Type:</b>        | <b>Portable UHF Band PTT Radio Transceiver</b> |                                                                                                                      |                     | <b>DUT Name:</b> | <b>XG-75 UHF-H</b> |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <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 F9

Date Tested: 05/16/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.8C; Humidity: 28%

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.86 \text{ mho/m}$ ;  $\epsilon_r = 43.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.4, 9.4, 9.4); Calibrated: 15/04/2014
- 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

**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-1, T-1/Area Scan 1223/19 (6x21x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 3.68 mW/g

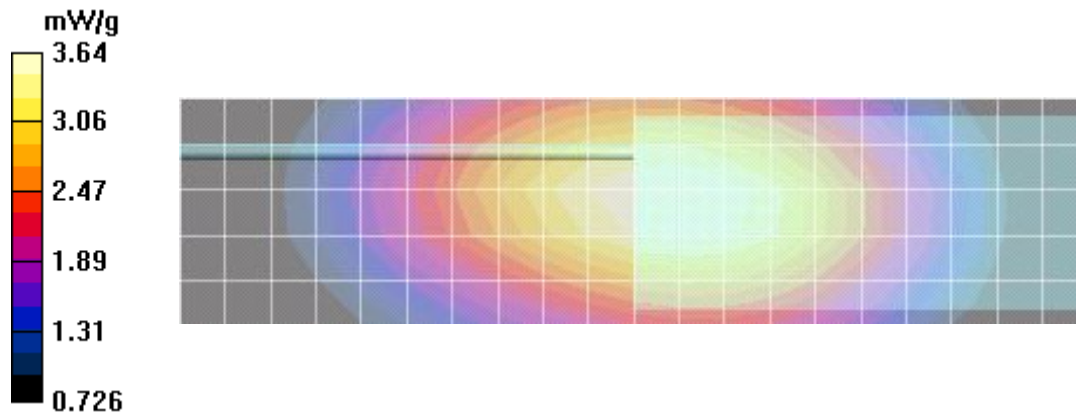
**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-1, T-1/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 65.2 V/m; Power Drift = -0.062 dB

Peak SAR (extrapolated) = 4.40 W/kg

**SAR(1 g) = 3.49 mW/g; SAR(10 g) = 2.68 mW/g**

Maximum value of SAR (measured) = 3.64 mW/g



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) | <br>Test Lab Certificate No. 2470.01 |
|                                                                                 | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                                                       |

## Plot F10

Date Tested: 05/16/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.8C; Humidity: 28%

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.86 \text{ mho/m}$ ;  $\epsilon_r = 43.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.4, 9.4, 9.4); 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

**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-2, T-3/Area Scan 1219/13 (6x17x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 3.90 mW/g

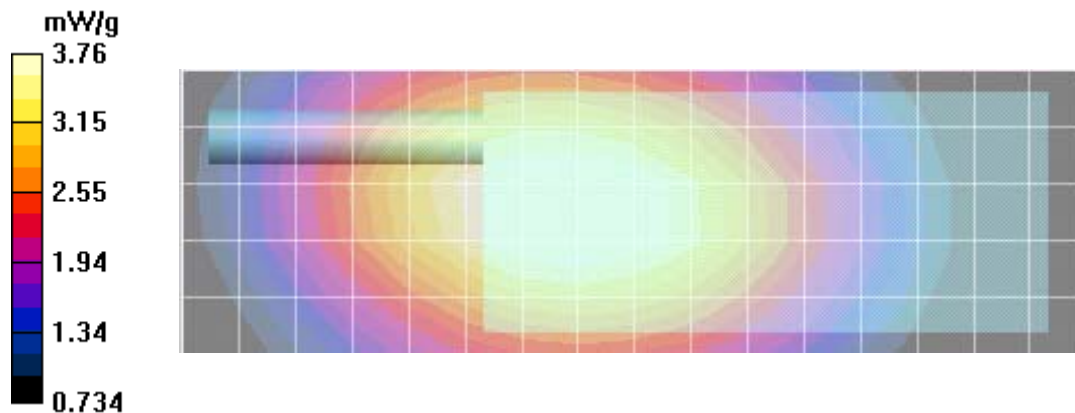
**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-2, T-3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 67.4 V/m; Power Drift = -0.510 dB

Peak SAR (extrapolated) = 4.52 W/kg

**SAR(1 g) = 3.59 mW/g; SAR(10 g) = 2.75 mW/g**

Maximum value of SAR (measured) = 3.76 mW/g



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <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 F11

Date Tested: 05/16/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.8C; Humidity: 28%

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.86 \text{ mho/m}$ ;  $\epsilon_r = 43.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.4, 9.4, 9.4); 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

**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-3, T-3/Area Scan 1219/13 (6x17x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.38 mW/g

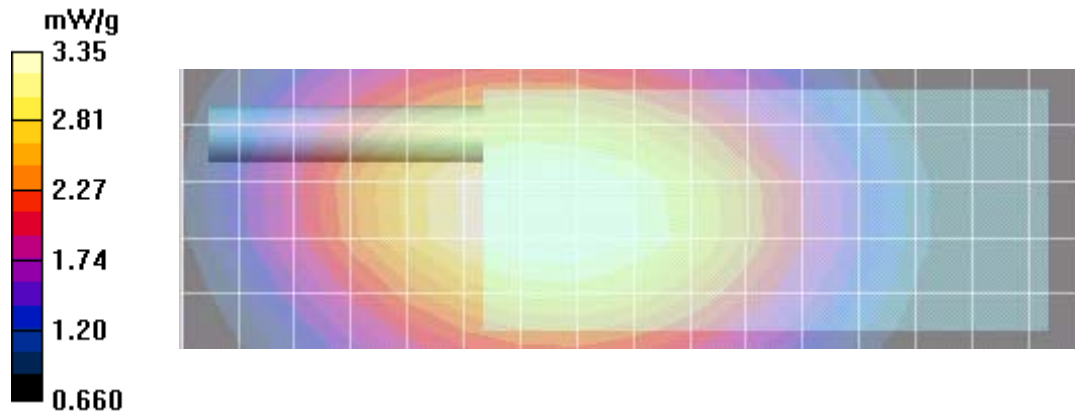
**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-3, T-3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 64.2 V/m; Power Drift = -0.464 dB

Peak SAR (extrapolated) = 4.02 W/kg

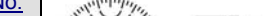
**SAR(1 g) = 3.2 mW/g; SAR(10 g) = 2.46 mW/g**

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



|                         |                                                |                                                                                                                      |                     |                  |                    |                                                                                       |
|-------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------|------------------|--------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>HARRIS Corporation</b>                      | <b>FCC ID:</b>                                                                                                       | <b>OWDTR-0131-E</b> | <b>IC:</b>       | <b>3636B-0131</b>  |  |
| <b>DUT Type:</b>        | <b>Portable UHF Band PTT Radio Transceiver</b> |                                                                                                                      |                     | <b>DUT Name:</b> | <b>XG-75 UHF-H</b> |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) | <br>Test Lab Certificate No. 2470.01 |
|                                                                                 | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                                                       |

## Plot F12

Date Tested: 05/16/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.8C; Humidity: 28%

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.86 \text{ mho/m}$ ;  $\epsilon_r = 43.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.4, 9.4, 9.4); 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

**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-4, T-3/Area Scan 1219/13 (6x17x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.71 mW/g

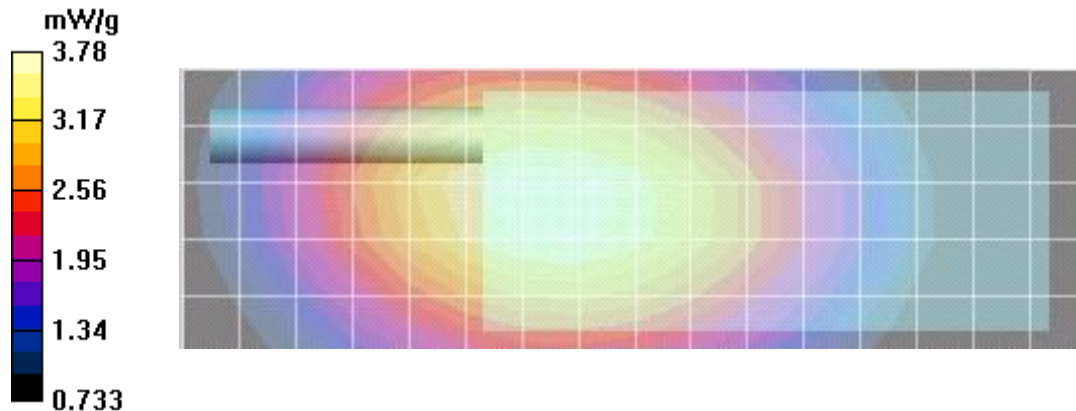
**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-4, T-3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 64.6 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 4.54 W/kg

**SAR(1 g) = 3.61 mW/g; SAR(10 g) = 2.77 mW/g**

Maximum value of SAR (measured) = 3.78 mW/g



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                    |

## Plot F13

Date Tested: 05/16/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.8C; Humidity: 28%

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.86 \text{ mho/m}$ ;  $\epsilon_r = 43.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.4, 9.4, 9.4); 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

**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-5, T-3/Area Scan 1219/13 (6x17x1):** Measurement grid: dx=15mm, dy=15mm

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

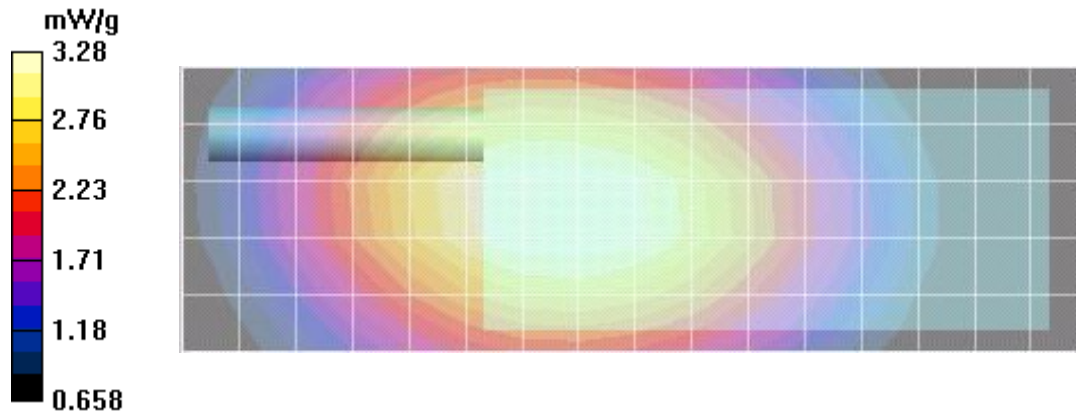
**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-5, T-3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 62.4 V/m; Power Drift = -0.280 dB

Peak SAR (extrapolated) = 3.94 W/kg

**SAR(1 g) = 3.14 mW/g; SAR(10 g) = 2.42 mW/g**

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



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <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 F14

Date Tested: 05/16/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.8C; Humidity: 28%

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.86 \text{ mho/m}$ ;  $\epsilon_r = 43.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.4, 9.4, 9.4); 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

**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-6, T-3/Area Scan 1219/13 (6x17x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

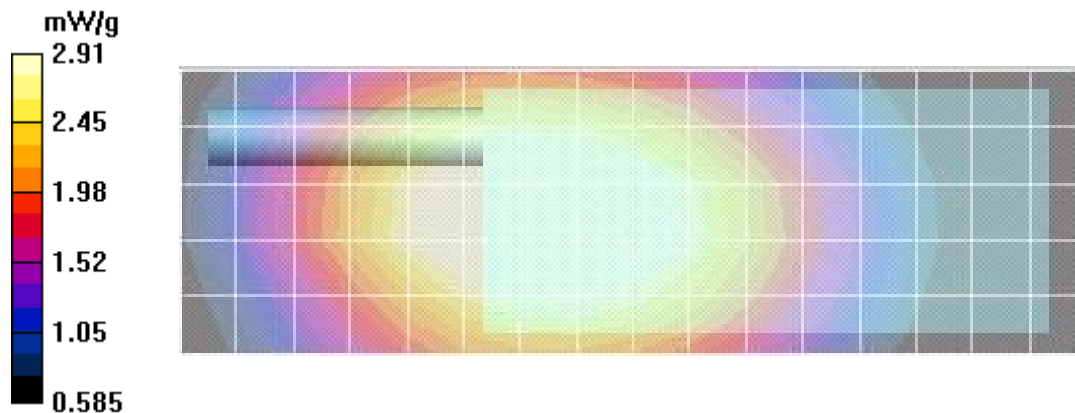
**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-6, T-3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 66.6 V/m; Power Drift = -1.43 dB

Peak SAR (extrapolated) = 3.50 W/kg

**SAR(1 g) = 2.78 mW/g; SAR(10 g) = 2.14 mW/g**

Maximum value of SAR (measured) = 2.91 mW/g



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <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 F15

Date Tested: 05/16/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.8C; Humidity: 28%

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.86 \text{ mho/m}$ ;  $\epsilon_r = 43.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.4, 9.4, 9.4); 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

**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-7, T-3/Area Scan 1219/13 (6x17x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 3.99 mW/g

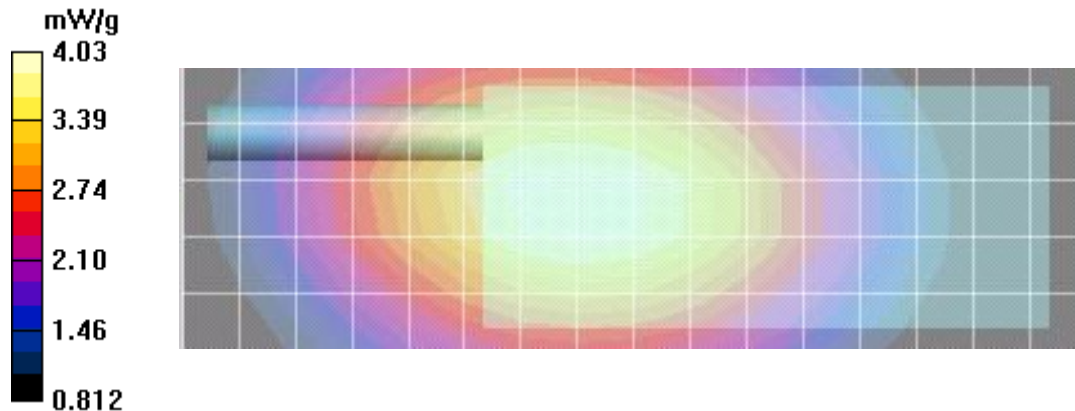
**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-7, T-3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 66.2 V/m; Power Drift = -0.014 dB

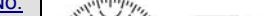
Peak SAR (extrapolated) = 4.84 W/kg

**SAR(1 g) = 3.87 mW/g; SAR(10 g) = 2.98 mW/g**

Maximum value of SAR (measured) = 4.03 mW/g



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|                                                                                 |                                                 |                                                           |                                                           |                                                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) | <br>Test Lab Certificate No. 2470.01 |
|                                                                                 | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                                                       |

## Plot F16

Date/Time: 16/05/2014 4:26:19 PM

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

Program Notes: 15 MAY 2014, Ambient Temp: 24C; Fluid Temp: 23.8C; Humidity: 28%

Procedure Notes:

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.86 \text{ mho/m}$ ;  $\epsilon_r = 43.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.4, 9.4, 9.4); 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

**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-7, T-3/Area Scan 1219/13 (6x17x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.99 mW/g

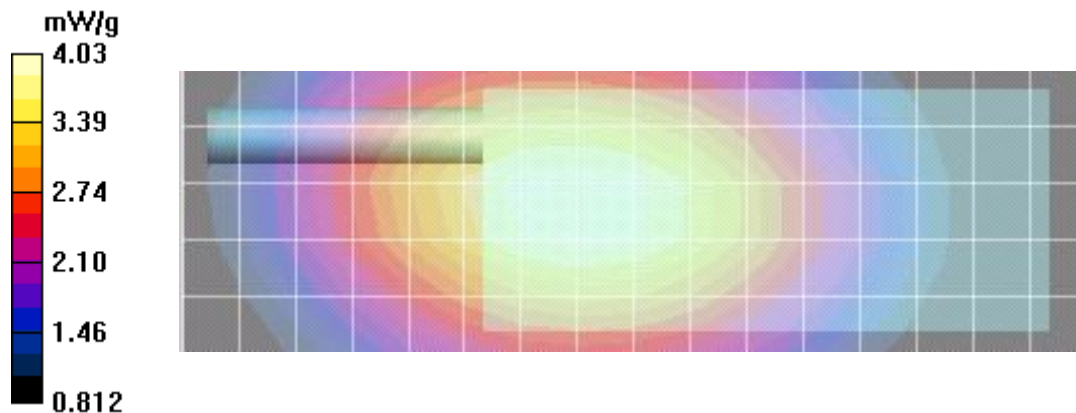
**Head - XG-75 UHF-H SYS, 450.0MHz, CW, P-7, T-3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 66.2 V/m; Power Drift = -0.014 dB

Peak SAR (extrapolated) = 4.84 W/kg

**SAR(1 g) = 3.87 mW/g; SAR(10 g) = 2.98 mW/g**

Maximum value of SAR (measured) = 4.03 mW/g



|                         |                                                |                                                                                                                      |                     |                  |                    |                                                                                       |
|-------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------|------------------|--------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>HARRIS Corporation</b>                      | <b>FCC ID:</b>                                                                                                       | <b>OWDTR-0131-E</b> | <b>IC:</b>       | <b>3636B-0131</b>  |  |
| <b>DUT Type:</b>        | <b>Portable UHF Band PTT Radio Transceiver</b> |                                                                                                                      |                     | <b>DUT Name:</b> | <b>XG-75 UHF-H</b> |                                                                                       |
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|                                                                                 |                                                 |                                                           |                                                           |                                                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) | <br>Test Lab Certificate No. 2470.01 |
|                                                                                 | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                                                       |

## Plot F17

Date/Time: 16/05/2014 4:51:11 PM

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

Program Notes: 15 MAY 2014, Ambient Temp: 24C; Fluid Temp: 23.8C; Humidity: 28%

Procedure Notes:

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.86 \text{ mho/m}$ ;  $\epsilon_r = 43.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.4, 9.4, 9.4); 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

**Head - XG-75 UHF-H SCAN, 450.0MHz, CW, P-1, T-3/Area Scan 1219/13 (6x17x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 4.03 mW/g

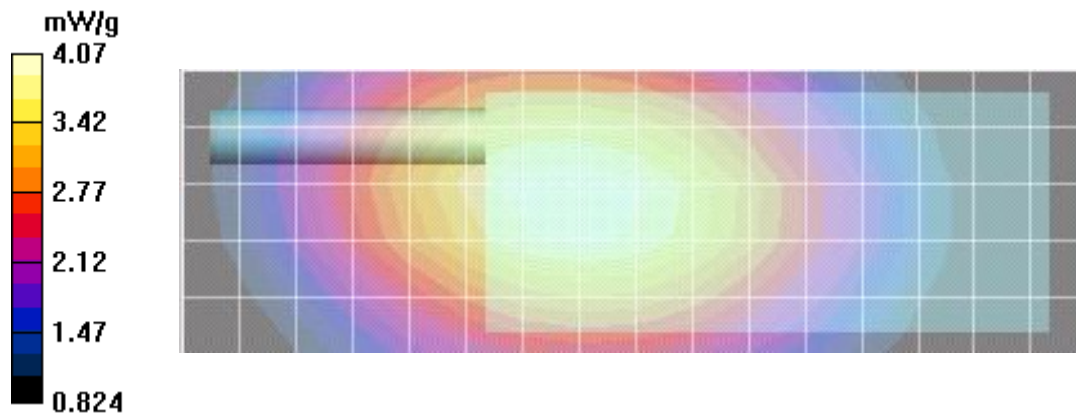
**Head - XG-75 UHF-H SCAN, 450.0MHz, CW, P-1, T-3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 66.4 V/m; Power Drift = -0.038 dB

Peak SAR (extrapolated) = 4.87 W/kg

**SAR(1 g) = 3.9 mW/g; SAR(10 g) = 3 mW/g**

Maximum value of SAR (measured) = 4.07 mW/g



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <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 B1

Date Tested: 05/18/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.5C; Humidity: 27%

Communication System: UHF 400-500

Frequency: 472.65 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated):  $f = 472.65 \text{ MHz}$ ;  $\sigma = 0.928 \text{ mho/m}$ ;  $\epsilon_r = 55.5$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.05, 9.05, 9.05); 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

**Body - XG-75 UHF-H SYS, 472.65.0MHz, CW, P-1, T-2/Area Scan 1219/13 (6x17x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.68 mW/g

**Body - XG-75 UHF-H SYS, 472.65.0MHz, CW, P-1, T-2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

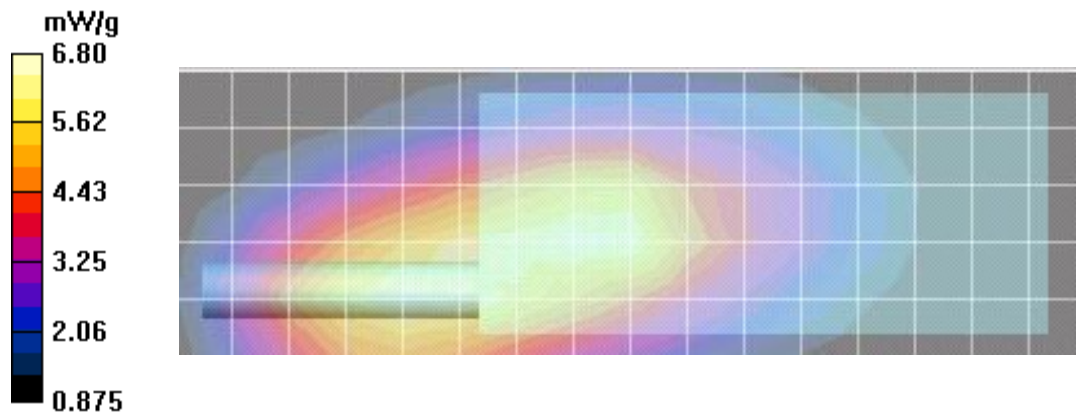
Reference Value = 78.2 V/m; Power Drift = -0.239 dB

Peak SAR (extrapolated) = 9.09 W/kg

**SAR(1 g) = 6.31 mW/g; SAR(10 g) = 4.44 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

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



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|----------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) | <br>Test Lab Certificate No. 2470.01 |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                                                        |

## Plot B2

Date Tested: 05/18/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.5C; Humidity: 27%

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 55.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.05, 9.05, 9.05); 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

**Body - XG-75 UHF-H SYS, 450.0MHz, CW, P-1, T-2/Area Scan 1219/13 (6x17x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 9.92 mW/g

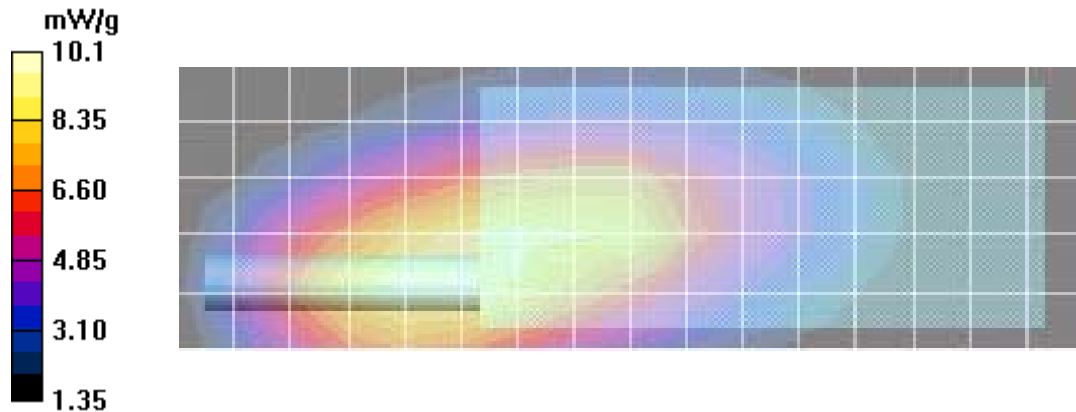
**Body - XG-75 UHF-H SYS, 450.0MHz, CW, P-1, T-2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 96.9 V/m; Power Drift = -0.230 dB

Peak SAR (extrapolated) = 13.0 W/kg

**SAR(1 g) = 9.5 mW/g; SAR(10 g) = 6.84 mW/g**

Maximum value of SAR (measured) = 10.1 mW/g



|                         |                                                |                                                                                                                      |                     |                  |                    |                                                                                       |
|-------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------|------------------|--------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>HARRIS Corporation</b>                      | <b>FCC ID:</b>                                                                                                       | <b>OWDTR-0131-E</b> | <b>IC:</b>       | <b>3636B-0131</b>  |  |
| <b>DUT Type:</b>        | <b>Portable UHF Band PTT Radio Transceiver</b> |                                                                                                                      |                     | <b>DUT Name:</b> | <b>XG-75 UHF-H</b> |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <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 B3

Date Tested: 05/18/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.5C; Humidity: 27%

Communication System: UHF 400-500

Frequency: 487.75 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated):  $f = 487.75 \text{ MHz}$ ;  $\sigma = 0.95 \text{ mho/m}$ ;  $\epsilon_r = 55.5$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.05, 9.05, 9.05); 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

**Body - XG-75 UHF-H SYS, 487.75MHz, CW, P-1, T-2/Area Scan 1219/13 (6x17x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 5.86 mW/g

**Body - XG-75 UHF-H SYS, 487.75MHz, CW, P-1, T-2/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

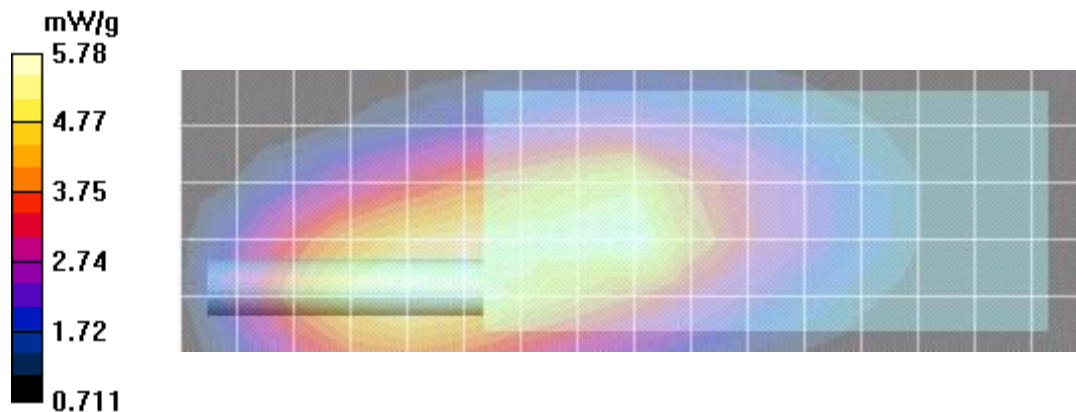
Reference Value = 72.7 V/m; Power Drift = -0.415 dB

Peak SAR (extrapolated) = 7.83 W/kg

**SAR(1 g) = 5.38 mW/g; SAR(10 g) = 3.76 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

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



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <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 B4

Date Tested: 05/18/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.5C; Humidity: 27%

Communication System: UHF 400-500

Frequency: 502.85 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated):  $f = 502.85 \text{ MHz}$ ;  $\sigma = 0.966 \text{ mho/m}$ ;  $\epsilon_r = 55.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.05, 9.05, 9.05); 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

**Body - XG-75 UHF-H SYS, 502.85MHz, CW, P-1, T-4/Area Scan 1219/13 (6x17x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

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

**Body - XG-75 UHF-H SYS, 502.85MHz, CW, P-1, T-4/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

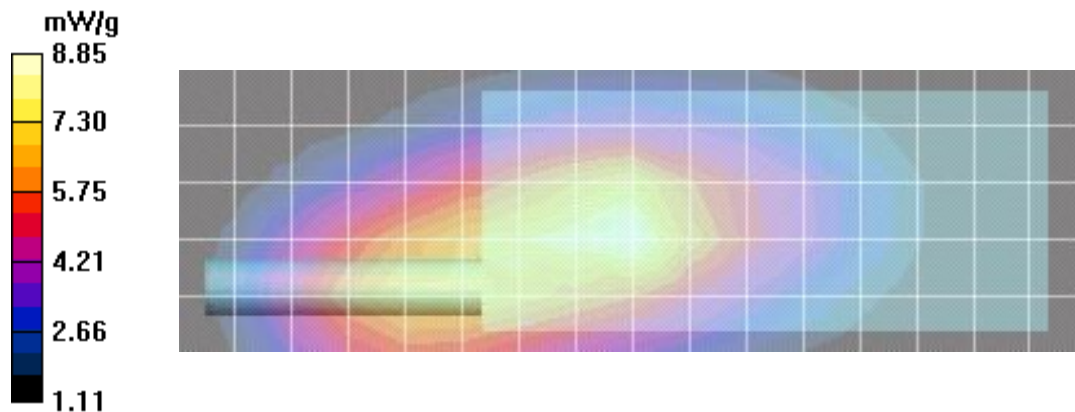
Reference Value = 85.1 V/m; Power Drift = -0.443 dB

Peak SAR (extrapolated) = 11.9 W/kg

**SAR(1 g) = 8.15 mW/g; SAR(10 g) = 5.62 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 8.85 mW/g



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) | <br>Test Lab Certificate No. 2470.01 |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                                                        |

## Plot B5

Date Tested: 05/18/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.5C; Humidity: 27%

Communication System: UHF 400-500

Frequency: 517.95 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used (interpolated):  $f = 517.95 \text{ MHz}$ ;  $\sigma = 0.972 \text{ mho/m}$ ;  $\epsilon_r = 54.9$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.05, 9.05, 9.05); 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

**Body - XG-75 UHF-H SYS, 517.95MHz, CW, P-1, T-4/Area Scan 1219/13 (6x17x1):** Measurement grid: dx=15mm, dy=15mm

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.14 mW/g

**Body - XG-75 UHF-H SYS, 517.95MHz, CW, P-1, T-4/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

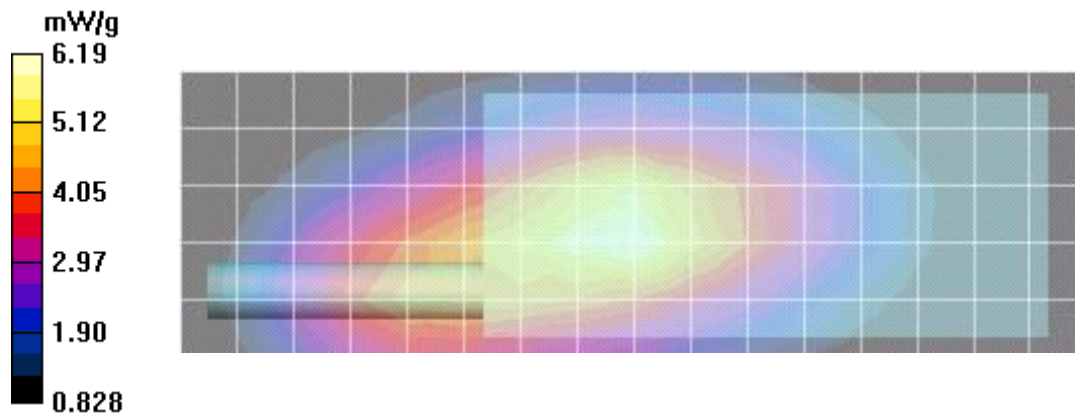
Reference Value = 69.4 V/m; Power Drift = -0.374 dB

Peak SAR (extrapolated) = 8.10 W/kg

**SAR(1 g) = 5.73 mW/g; SAR(10 g) = 4.01 mW/g**

Info: Interpolated medium parameters used for SAR evaluation.

Maximum value of SAR (measured) = 6.19 mW/g



|                         |                                                |                                                                                                                      |                     |                  |                    |                                                                                       |
|-------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------|------------------|--------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>HARRIS Corporation</b>                      | <b>FCC ID:</b>                                                                                                       | <b>OWDTR-0131-E</b> | <b>IC:</b>       | <b>3636B-0131</b>  |  |
| <b>DUT Type:</b>        | <b>Portable UHF Band PTT Radio Transceiver</b> |                                                                                                                      |                     | <b>DUT Name:</b> | <b>XG-75 UHF-H</b> |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <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 B6

Date Tested: 05/18/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.5C; Humidity: 27%

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 55.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.05, 9.05, 9.05); 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

**Body - XG-75 UHF-H SYS, 450.0MHz, CW, P-1, T-3/Area Scan 1219/13 (6x17x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 11.9 mW/g

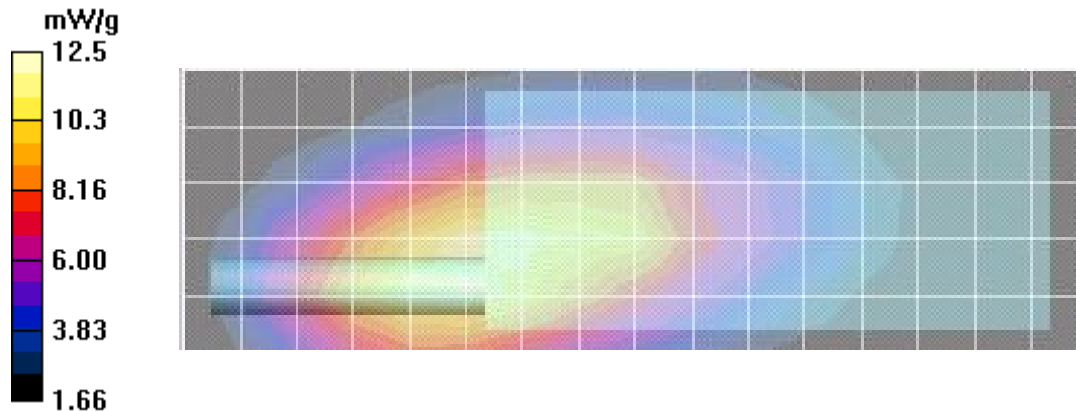
**Body - XG-75 UHF-H SYS, 450.0MHz, CW, P-1, T-3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 107.0 V/m; Power Drift = -0.048 dB

Peak SAR (extrapolated) = 15.9 W/kg

**SAR(1 g) = 11.8 mW/g; SAR(10 g) = 8.52 mW/g**

Maximum value of SAR (measured) = 12.5 mW/g



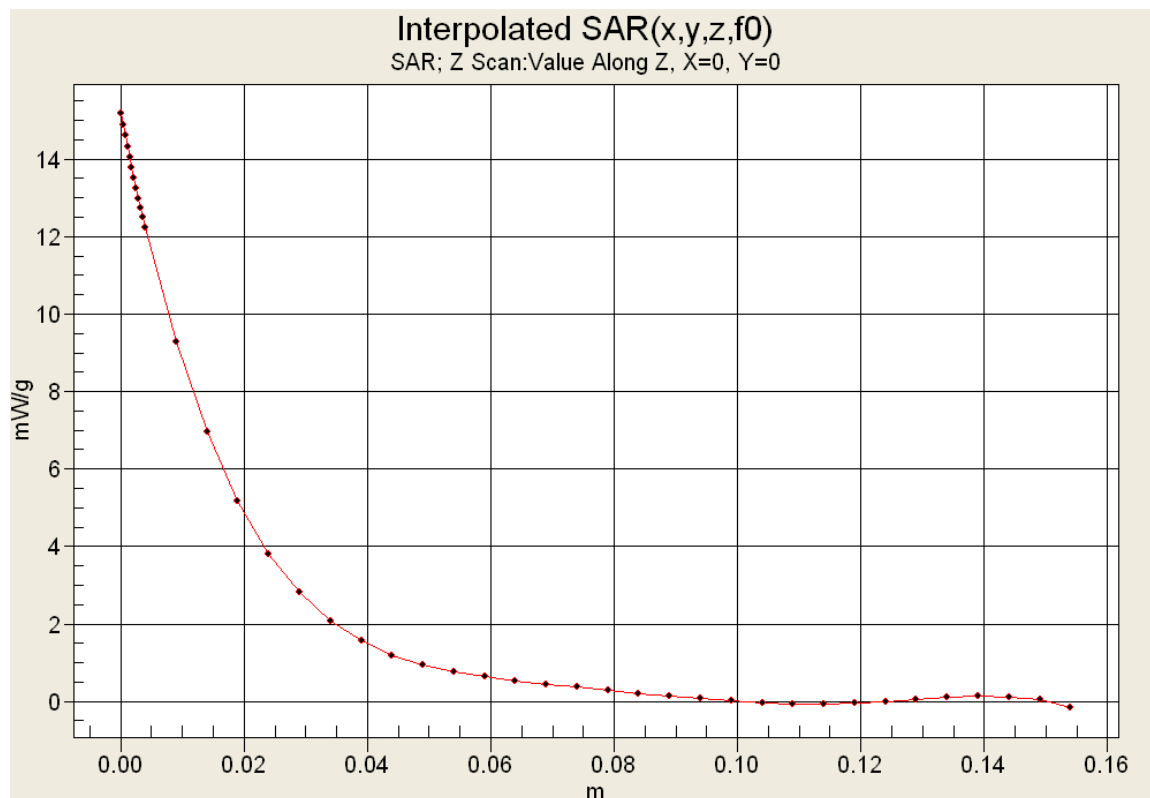
|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|                                                                                  |                                                 |                                                           |                                                           |                                                                                    |
|----------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                    |

Test Lab Certificate No. 2470.01

## Z-Axis Scan



|                         |                                                |                                                                                                                      |                     |                  |                    |                                                                                       |
|-------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------|------------------|--------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>HARRIS Corporation</b>                      | <b>FCC ID:</b>                                                                                                       | <b>OWDTR-0131-E</b> | <b>IC:</b>       | <b>3636B-0131</b>  |  |
| <b>DUT Type:</b>        | <b>Portable UHF Band PTT Radio Transceiver</b> |                                                                                                                      |                     | <b>DUT Name:</b> | <b>XG-75 UHF-H</b> |                                                                                       |
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|----------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <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 B7

Date Tested: 05/18/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.5C; Humidity: 27%

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 55.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.05, 9.05, 9.05); 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

**Body - XG-75 UHF-H SYS, 450.0MHz, CW, P-1, T-4/Area Scan 1219/13 (6x17x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 11.3 mW/g

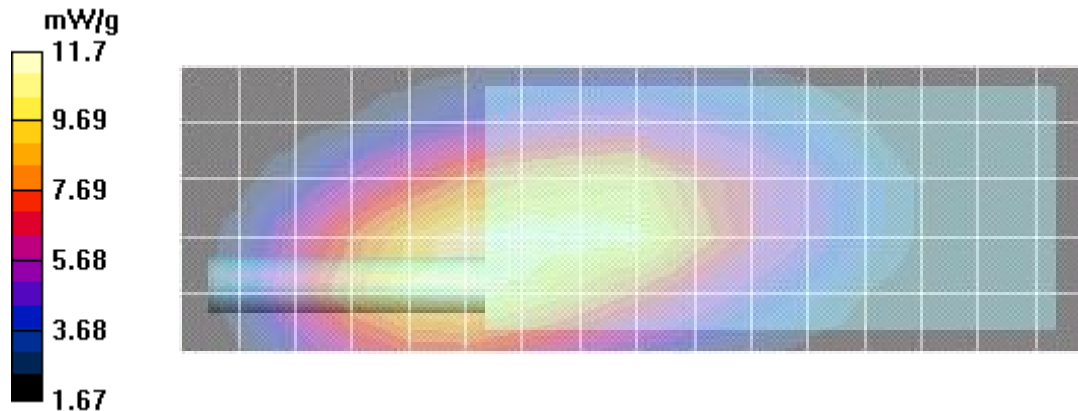
**Body - XG-75 UHF-H SYS, 450.0MHz, CW, P-1, T-4/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 105.5 V/m; Power Drift = 0.007 dB

Peak SAR (extrapolated) = 14.9 W/kg

**SAR(1 g) = 11.1 mW/g; SAR(10 g) = 8.17 mW/g**

Maximum value of SAR (measured) = 11.7 mW/g



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) | <br>Test Lab Certificate No. 2470.01 |
|                                                                                 | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                                                       |

## Plot B8

Date Tested: 05/18/2014

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

Program Notes: Ambient Temp: 24C; Fluid Temp: 23.5C; Humidity: 27%

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 55.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.05, 9.05, 9.05); 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

**Body - XG-75 UHF-H SYS, 450.0MHz, CW, P-1, T-1/Area Scan 1223/12 (6x21x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 10.4 mW/g

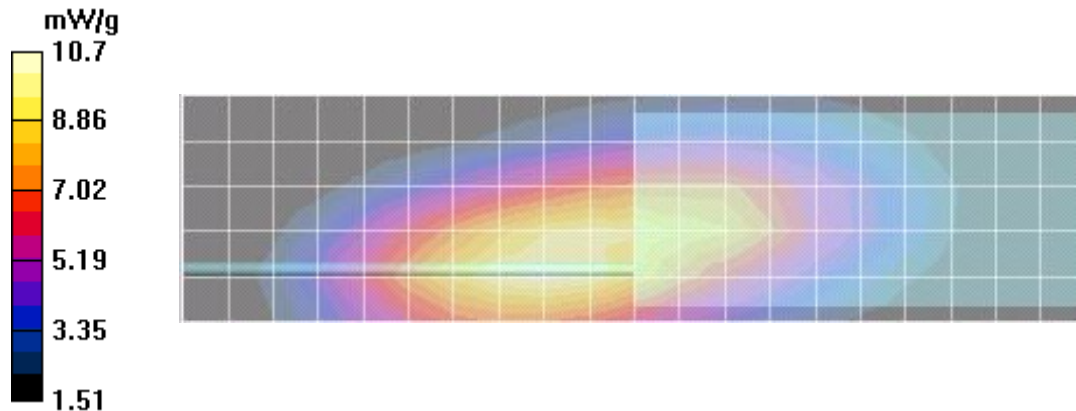
**Body - XG-75 UHF-H SYS, 450.0MHz, CW, P-1, T-1/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 97.5 V/m; Power Drift = -0.100 dB

Peak SAR (extrapolated) = 13.8 W/kg

**SAR(1 g) = 10.1 mW/g; SAR(10 g) = 7.31 mW/g**

Maximum value of SAR (measured) = 10.7 mW/g



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <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 B9

Date Tested: 05/19/2014

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

Program Notes: Ambient Temp: 23C; Fluid Temp: 22.8C; Humidity: 30%

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 55.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.05, 9.05, 9.05); 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

**Body - XG-75 UHF-H SYS, 450.0MHz, CW, P-2, T-3/Area Scan 1219/13 (6x17x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 12.1 mW/g

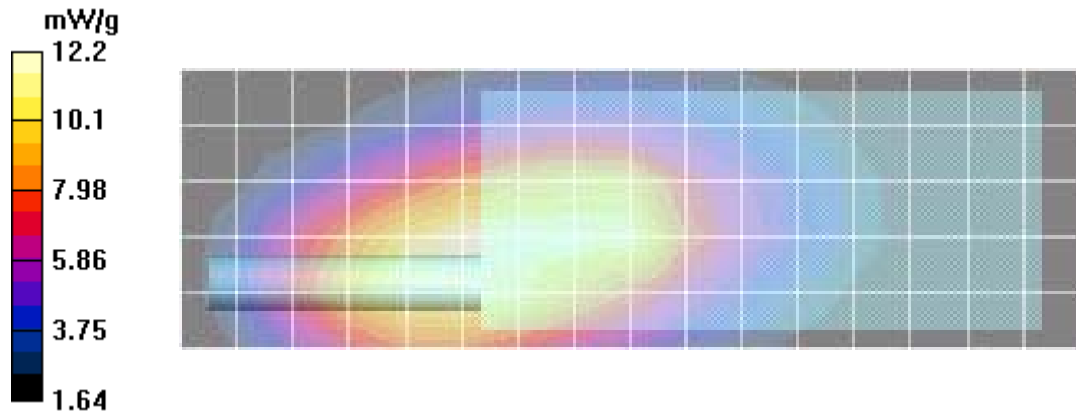
**Body - XG-75 UHF-H SYS, 450.0MHz, CW, P-2, T-3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 108.4 V/m; Power Drift = -0.303 dB

Peak SAR (extrapolated) = 15.6 W/kg

**SAR(1 g) = 11.5 mW/g; SAR(10 g) = 8.34 mW/g**

Maximum value of SAR (measured) = 12.2 mW/g



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) | <br>Test Lab Certificate No. 2470.01 |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                                                        |

## Plot B10

Date Tested: 05/19/2014

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

Program Notes: Ambient Temp: 23C; Fluid Temp: 22.8C; Humidity: 30%

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 55.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.05, 9.05, 9.05); 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

**Body - XG-75 UHF-H SYS, 450.0MHz, CW, P-3, T-3/Area Scan 1219/13 (6x17x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 10.4 mW/g

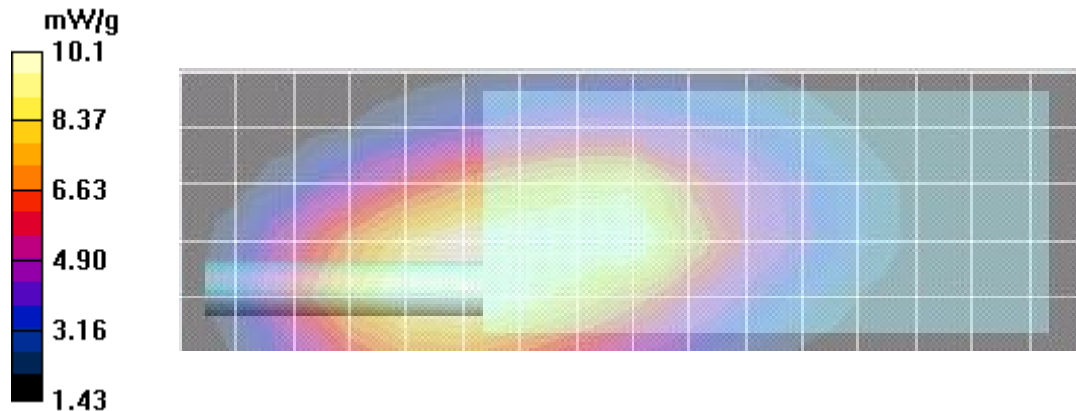
**Body - XG-75 UHF-H SYS, 450.0MHz, CW, P-3, T-3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 102.5 V/m; Power Drift = -0.603 dB

Peak SAR (extrapolated) = 12.9 W/kg

**SAR(1 g) = 9.6 mW/g; SAR(10 g) = 7 mW/g**

Maximum value of SAR (measured) = 10.1 mW/g



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|----------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <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 B11

Date Tested: 05/19/2014

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

Program Notes: Ambient Temp: 23C; Fluid Temp: 22.8C; Humidity: 30%

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 55.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.05, 9.05, 9.05); 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

**Body - XG-75 UHF-H SYS, 450.0MHz, CW, P-4, T-3/Area Scan 1219/13 (6x17x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 8.86 mW/g

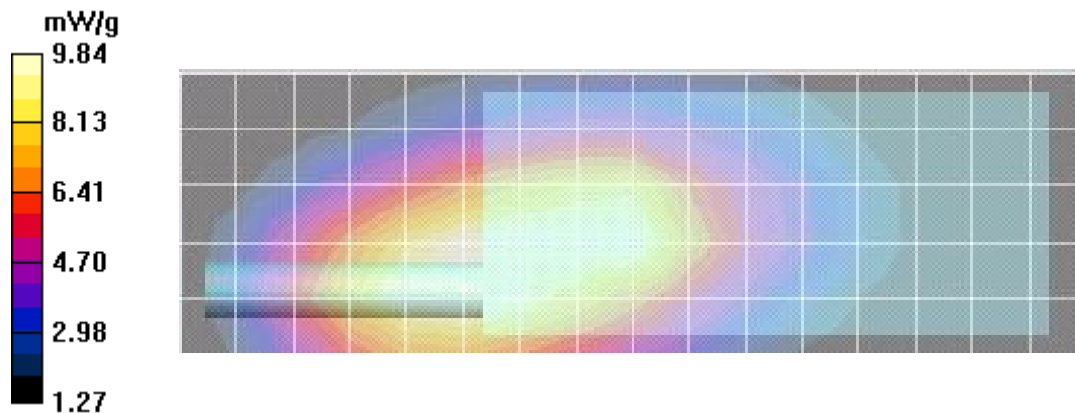
**Body - XG-75 UHF-H SYS, 450.0MHz, CW, P-4, T-3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 92.2 V/m; Power Drift = 0.301 dB

Peak SAR (extrapolated) = 12.6 W/kg

**SAR(1 g) = 9.28 mW/g; SAR(10 g) = 6.66 mW/g**

Maximum value of SAR (measured) = 9.84 mW/g



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) | <br>Test Lab Certificate No. 2470.01 |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                                                        |

## Plot B12

Date Tested: 05/19/2014

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

Program Notes: Ambient Temp: 23C; Fluid Temp: 22.8C; Humidity: 30%

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 55.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.05, 9.05, 9.05); 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

**Body - XG-75 UHF-H SYS, 450.0MHz, CW, P-5, T-3/Area Scan 1219/13 (6x17x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 8.61 mW/g

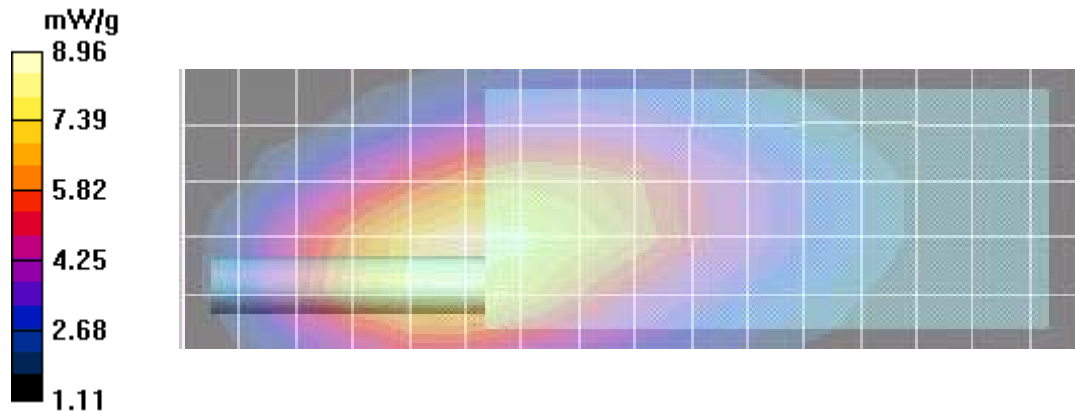
**Body - XG-75 UHF-H SYS, 450.0MHz, CW, P-5, T-3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 92.6 V/m; Power Drift = -0.081 dB

Peak SAR (extrapolated) = 11.5 W/kg

**SAR(1 g) = 8.47 mW/g; SAR(10 g) = 6.08 mW/g**

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



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|                                                                                  |                                                 |                                                           |                                                           |                                                                                                                        |
|----------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) | <br>Test Lab Certificate No. 2470.01 |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                                                        |

## Plot B13

Date Tested: 05/19/2014

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

Program Notes: Ambient Temp: 23C; Fluid Temp: 22.8C; Humidity: 30%

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 55.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.05, 9.05, 9.05); 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

**Body - XG-75 UHF-H SYS, 450.0MHz, CW, P-6, T-3/Area Scan 1219/13 (6x17x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 9.54 mW/g

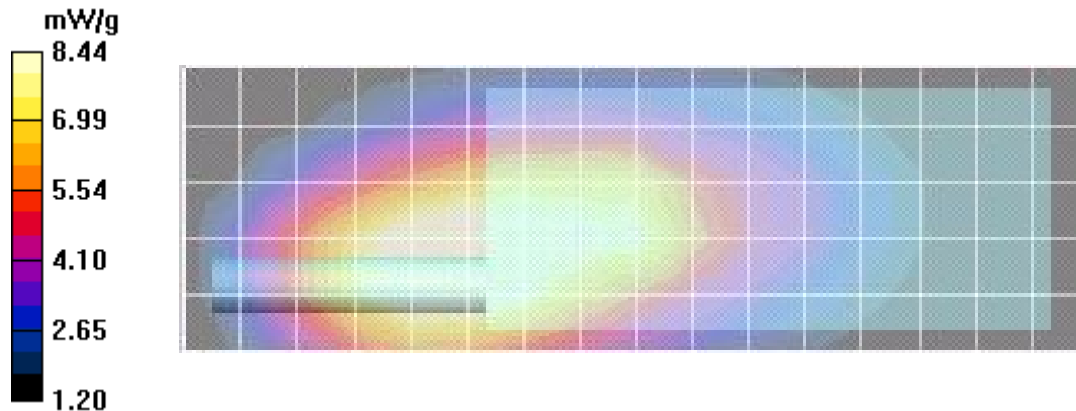
**Body - XG-75 UHF-H SYS, 450.0MHz, CW, P-6, T-3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 103.3 V/m; Power Drift = -1.36 dB

Peak SAR (extrapolated) = 10.8 W/kg

**SAR(1 g) = 7.99 mW/g; SAR(10 g) = 5.79 mW/g**

Maximum value of SAR (measured) = 8.44 mW/g



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|                                                                                  |                                                 |                                                           |                                                           |                                                                                    |
|----------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <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 B14

Date Tested: 05/19/2014

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

Program Notes: Ambient Temp: 23C; Fluid Temp: 22.8C; Humidity: 30%

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 55.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.05, 9.05, 9.05); 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

**Body - XG-75 UHF-H SYS, 450.0MHz, CW, P-7, T-3/Area Scan 1219/13 (6x17x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 9.82 mW/g

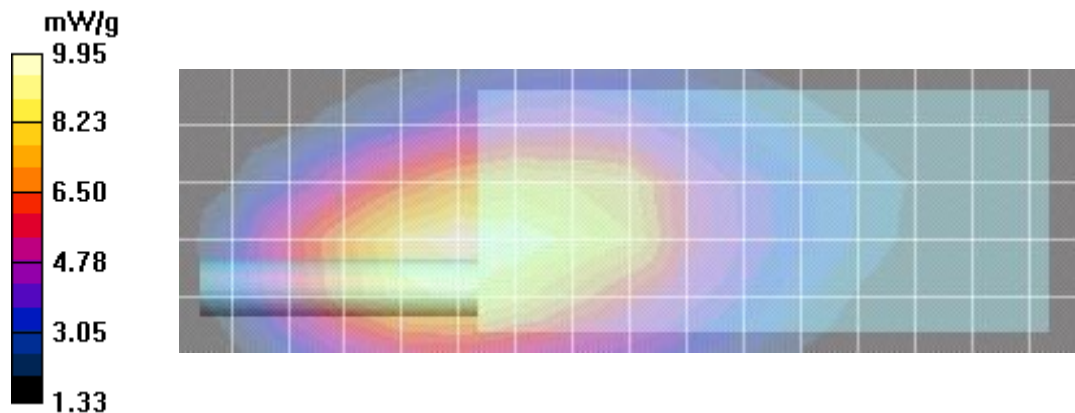
**Body - XG-75 UHF-H SYS, 450.0MHz, CW, P-7, T-3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 99.5 V/m; Power Drift = -0.067 dB

Peak SAR (extrapolated) = 12.7 W/kg

**SAR(1 g) = 9.39 mW/g; SAR(10 g) = 6.78 mW/g**

Maximum value of SAR (measured) = 9.95 mW/g



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|----------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <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 B15

Date Tested: 05/19/2014

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

Program Notes: Ambient Temp: 23C; Fluid Temp: 22.8C; Humidity: 30%

Communication System: UHF 400-500

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 55.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.05, 9.05, 9.05); 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

**Body - XG-75 UHF-H SCAN, 450.0MHz, CW, P-1, T-3/Area Scan 1219/13 (6x17x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 12.1 mW/g

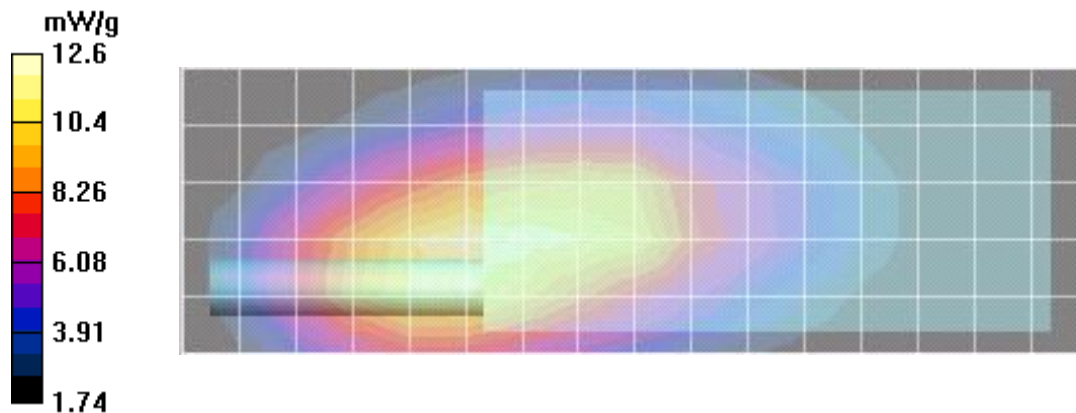
**Body - XG-75 UHF-H SCAN, 450.0MHz, CW, P-1, T-3/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=7.5\text{mm}$ ,  $dy=7.5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 109.5 V/m; Power Drift = 0.047 dB

Peak SAR (extrapolated) = 16.0 W/kg

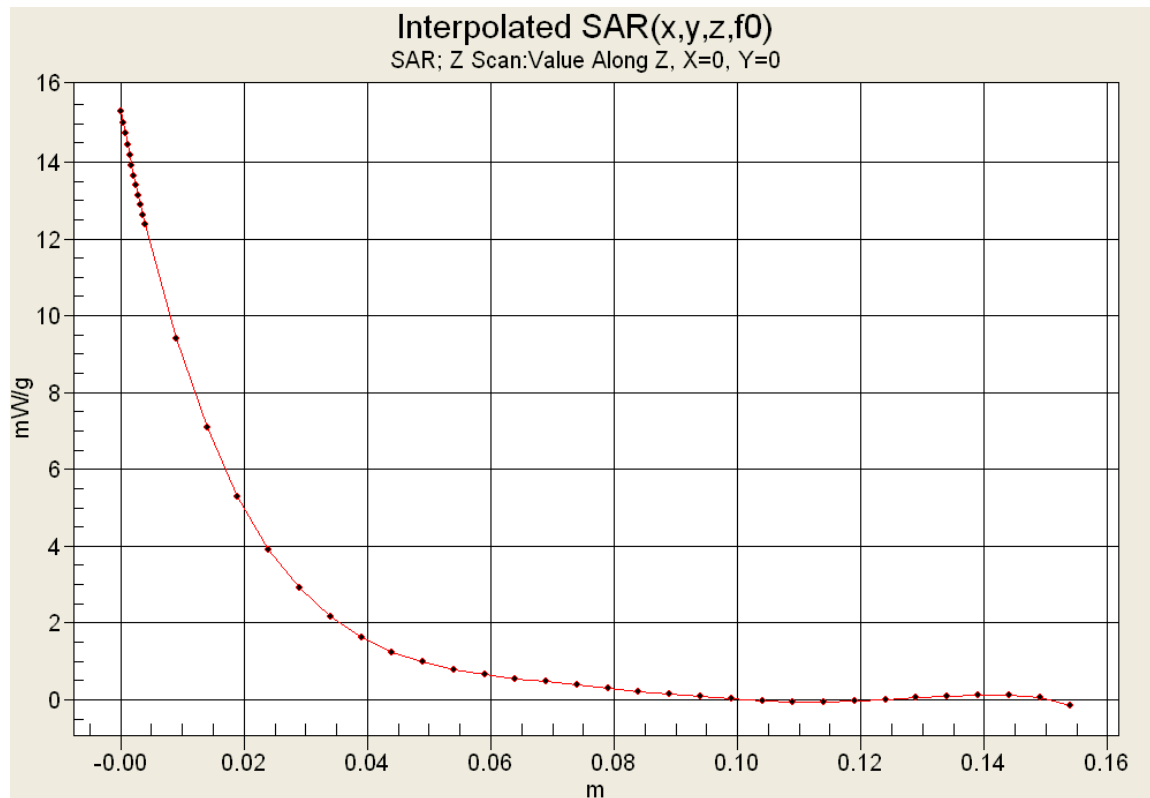
**SAR(1 g) = 11.9 mW/g; SAR(10 g) = 8.65 mW/g**

Maximum value of SAR (measured) = 12.6 mW/g



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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## Z-Axis Scan



|                                                                                  |                                                 |                                                           |                                                           |                                                                                    |
|----------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                    |

Test Lab Certificate No. 2470.01

## APPENDIX B - SYSTEM PERFORMANCE CHECK PLOTS

|                         |                                                |                                                                                                                      |                     |                  |                    |                                                                                       |
|-------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------|------------------|--------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>HARRIS Corporation</b>                      | <b>FCC ID:</b>                                                                                                       | <b>OWDTR-0131-E</b> | <b>IC:</b>       | <b>3636B-0131</b>  |  |
| <b>DUT Type:</b>        | <b>Portable UHF Band PTT Radio Transceiver</b> |                                                                                                                      |                     | <b>DUT Name:</b> | <b>XG-75 UHF-H</b> |                                                                                       |
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|----------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                    |

Test Lab Certificate No. 2470.01

Date Tested: 05/13/2014

## System Performance Check - 450 MHz Dipole - Head

**DUT: Dipole 450 MHz; Type: D450V3; Serial: 1068; Calibrated: 04/27/2012**

Program Notes: May 13 2014, Ambient Temp: 24C; Fluid Temp: 23.0C; Humidity: 20%

Communication System: CW

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: HSL450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.86 \text{ mho/m}$ ;  $\epsilon_r = 43.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.4, 9.4, 9.4); Calibrated: 15/04/2014
- 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

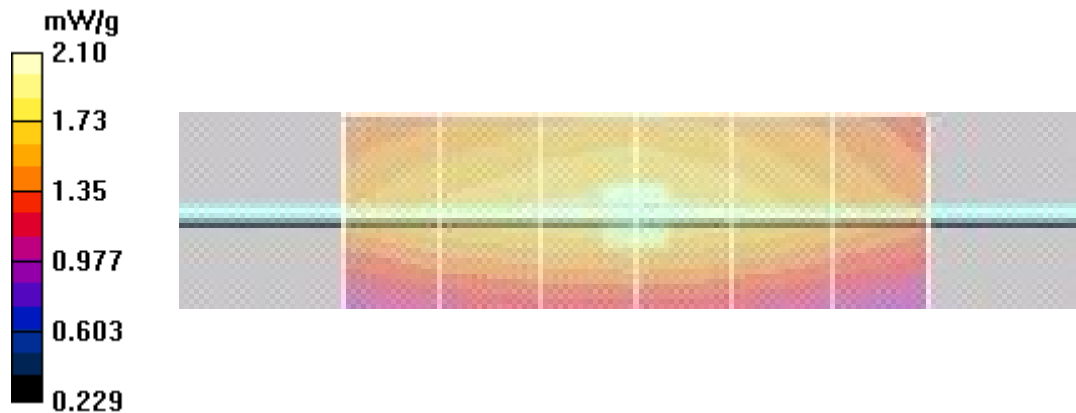
**Head d=15mm, Pin=398mW, TS=1.87/Area Scan (3x7x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 1.96 mW/g

**Head d=15mm, Pin=398mW, TS=1.87/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Reference Value = 48.2 V/m; Power Drift = 0.023 dB

Peak SAR (extrapolated) = 2.88 W/kg

**SAR(1 g) = 1.96 mW/g; SAR(10 g) = 1.31 mW/g**

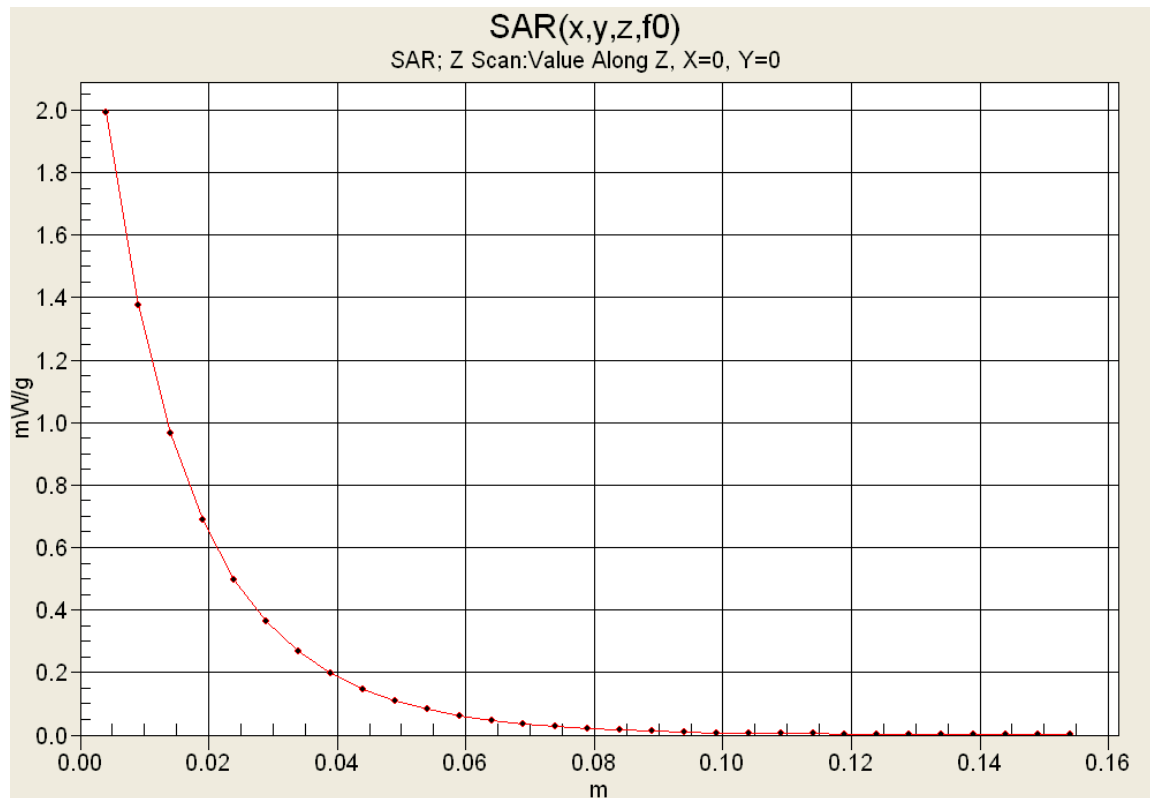
Maximum value of SAR (measured) = 2.10 mW/g



|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                    |
| Test Lab Certificate No. 2470.01                                                 |                                                 |                                                           |                                                           |                                                                                    |

## Z-Axis Scan



|                         |                                                |                                                                                                                      |                     |                  |                    |                                                                                       |
|-------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------|------------------|--------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>HARRIS Corporation</b>                      | <b>FCC ID:</b>                                                                                                       | <b>OWDTR-0131-E</b> | <b>IC:</b>       | <b>3636B-0131</b>  |  |
| <b>DUT Type:</b>        | <b>Portable UHF Band PTT Radio Transceiver</b> |                                                                                                                      |                     | <b>DUT Name:</b> | <b>XG-75 UHF-H</b> |                                                                                       |
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|---------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) | <br>Test Lab Certificate No. 2470.01 |
|                                                                                 | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                                                       |

Date/Time: 17/05/2014 12:54:30 PM

## System Performance Check - 450 MHz Dipole - Body

**DUT: Dipole 450 MHz; Type: D450V3; Serial: 1068; Calibrated: 04/27/2012**

Program Notes: May 17 2014, Ambient Temp: 23C; Fluid Temp: 23.0C; Humidity: 28%

Procedure Notes:

Communication System: CW

Frequency: 450 MHz; Duty Cycle: 1:1

Medium: M450 Medium parameters used:  $f = 450 \text{ MHz}$ ;  $\sigma = 0.91 \text{ mho/m}$ ;  $\epsilon_r = 55.3$ ;  $\rho = 1000 \text{ kg/m}^3$

- Probe: EX3DV4 - SN3600; ConvF(9.05, 9.05, 9.05); Calibrated: 15/04/2014
- 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

**Body d=15mm Pin=398mW, TS=1.81/Area Scan (6x11x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.98 mW/g

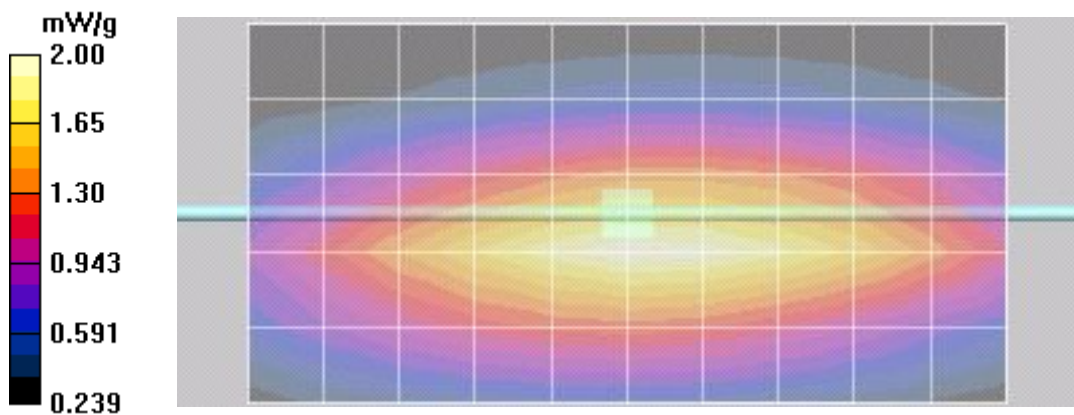
**Body d=15mm Pin=398mW, TS=1.81/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 44.5 V/m; Power Drift = 0.050 dB

Peak SAR (extrapolated) = 2.75 W/kg

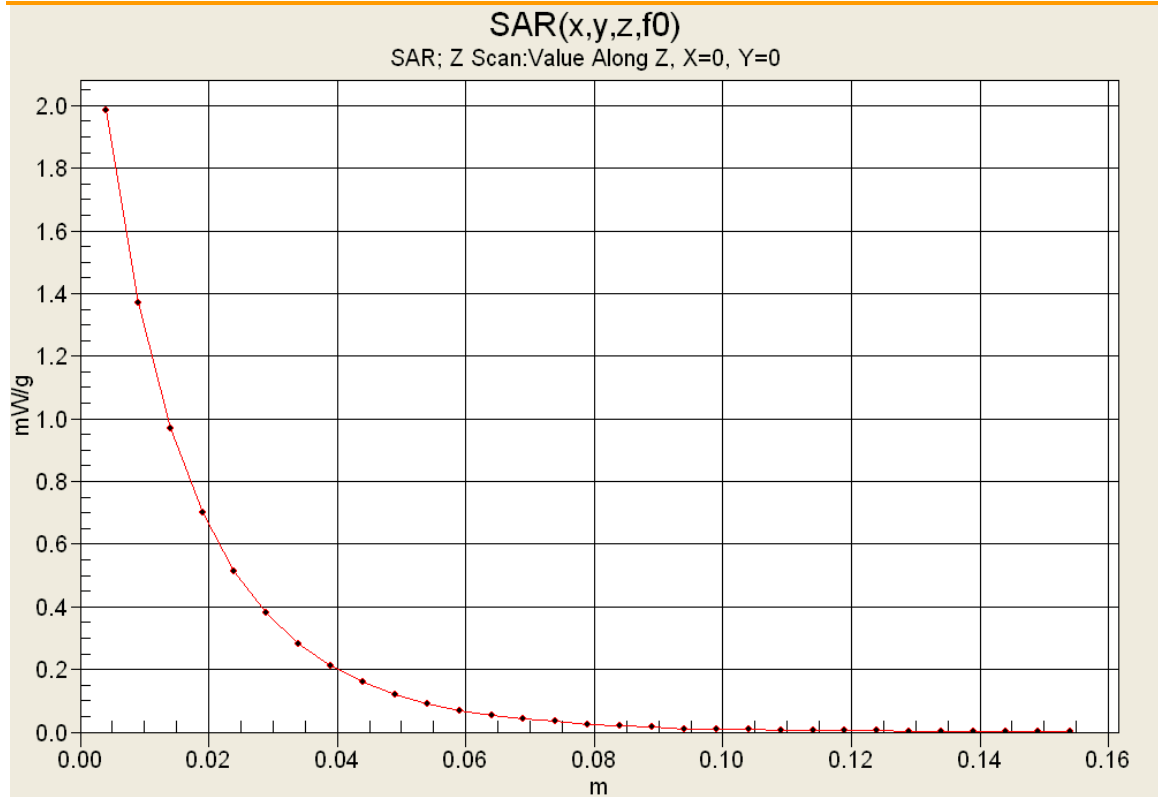
**SAR(1 g) = 1.87 mW/g; SAR(10 g) = 1.26 mW/g**

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



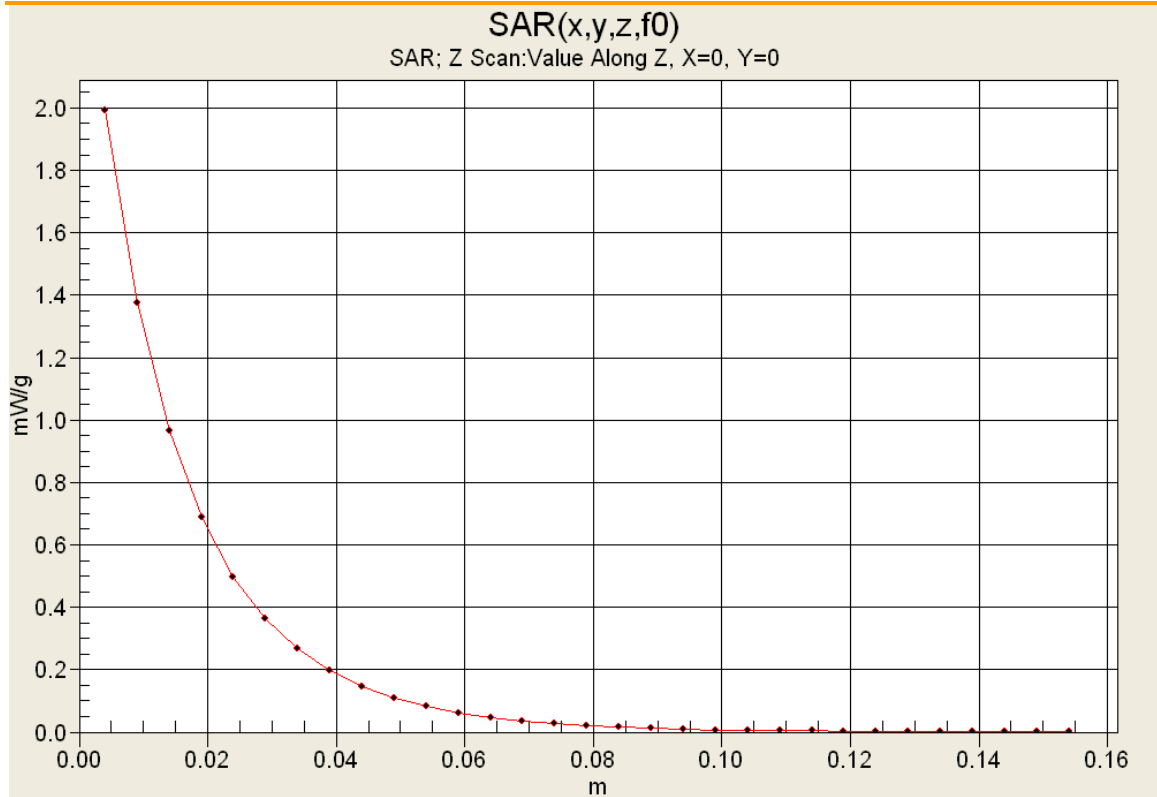
|                         |                                         |                                                                                                                      |              |                  |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | HARRIS Corporation                      | <b>FCC ID:</b>                                                                                                       | OWDTR-0131-E | <b>IC:</b>       | 3636B-0131  |  |
| <b>DUT Type:</b>        | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | <b>DUT Name:</b> | XG-75 UHF-H |                                                                                       |
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|---------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) | <br>Test Lab Certificate No. 2470.01 |
|                                                                                 | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                                                       |



|                         |                                         |                                                                                                                      |              |           |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|-----------|-------------|---------------------------------------------------------------------------------------|
| Applicant:              | HARRIS Corporation                      | FCC ID:                                                                                                              | OWDTR-0131-E | IC:       | 3636B-0131  |  |
| DUT Type:               | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | DUT Name: | XG-75 UHF-H |                                                                                       |
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|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                    |
| Test Lab Certificate No. 2470.01                                                 |                                                 |                                                           |                                                           |                                                                                    |



|                         |                                         |                                                                                                                      |              |           |             |                                                                                       |
|-------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------|-----------|-------------|---------------------------------------------------------------------------------------|
| Applicant:              | HARRIS Corporation                      | FCC ID:                                                                                                              | OWDTR-0131-E | IC:       | 3636B-0131  |  |
| DUT Type:               | Portable UHF Band PTT Radio Transceiver |                                                                                                                      |              | DUT Name: | XG-75 UHF-H |                                                                                       |
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|----------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) | <br>Test Lab Certificate No. 2470.01 |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                                                        |

## APPENDIX C - MEASURED FLUID DIELECTRIC PARAMETERS

|                         |                                                                                                                      |                |                     |                  |                    |                                                                                       |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|----------------|---------------------|------------------|--------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>HARRIS Corporation</b>                                                                                            | <b>FCC ID:</b> | <b>OWDTR-0131-E</b> | <b>IC:</b>       | <b>3636B-0131</b>  |  |
| <b>DUT Type:</b>        | <b>Portable UHF Band PTT Radio Transceiver</b>                                                                       |                |                     | <b>DUT Name:</b> | <b>XG-75 UHF-H</b> |                                                                                       |
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|----------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                    |

Test Lab Certificate No. 2470.01

### 450 MHz Head

\*\*\*\*\*

Celltech Labs Inc.

Test Result for UIM Dielectric Parameter

14/May/2014

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_eHF | FCC_sH | Test_e | Test_s |
|--------|---------|--------|--------|--------|
| 0.3500 | 44.70   | 0.87   | 44.80  | 0.76   |
| 0.3600 | 44.58   | 0.87   | 45.17  | 0.77   |
| 0.3700 | 44.46   | 0.87   | 45.46  | 0.79   |
| 0.3800 | 44.34   | 0.87   | 44.55  | 0.80   |
| 0.3900 | 44.22   | 0.87   | 44.47  | 0.81   |
| 0.4000 | 44.10   | 0.87   | 44.70  | 0.82   |
| 0.4100 | 43.98   | 0.87   | 43.96  | 0.81   |
| 0.4200 | 43.86   | 0.87   | 43.98  | 0.82   |
| 0.4300 | 43.74   | 0.87   | 44.32  | 0.84   |
| 0.4400 | 43.62   | 0.87   | 43.69  | 0.85   |
| 0.4500 | 43.50   | 0.87   | 43.33  | 0.86   |
| 0.4600 | 43.45   | 0.87   | 42.75  | 0.86   |
| 0.4700 | 43.40   | 0.87   | 43.02  | 0.88   |
| 0.4800 | 43.34   | 0.87   | 42.86  | 0.88   |
| 0.4900 | 43.29   | 0.87   | 42.57  | 0.88   |
| 0.5000 | 43.24   | 0.87   | 42.81  | 0.90   |
| 0.5100 | 43.19   | 0.87   | 42.26  | 0.91   |
| 0.5200 | 43.14   | 0.88   | 42.40  | 0.91   |
| 0.5300 | 43.08   | 0.88   | 41.79  | 0.92   |
| 0.5400 | 43.03   | 0.88   | 41.79  | 0.92   |
| 0.5500 | 42.98   | 0.88   | 41.47  | 0.94   |

|                         |                                                |                                                                                                                      |                     |                  |                    |                                                                                       |
|-------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------|------------------|--------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>HARRIS Corporation</b>                      | <b>FCC ID:</b>                                                                                                       | <b>OWDTR-0131-E</b> | <b>IC:</b>       | <b>3636B-0131</b>  |  |
| <b>DUT Type:</b>        | <b>Portable UHF Band PTT Radio Transceiver</b> |                                                                                                                      |                     | <b>DUT Name:</b> | <b>XG-75 UHF-H</b> |                                                                                       |
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|                                                                                  |                                                 |                                                           |                                                           |                                                                                    |
|----------------------------------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------|
|  | <u>Date(s) of Evaluation</u><br>May 14-19, 2014 | <u>Test Report Serial No.</u><br>051014OWDTR-1299S        | <u>Test Report Revision No.</u><br>Rev. 1.1 (2nd Release) |  |
|                                                                                  | <u>Test Report Issue Date</u><br>Sep 10, 2014   | <u>Description of Test(s)</u><br>Specific Absorption Rate | <u>RF Exposure Category</u><br>Occupational (Controlled)  |                                                                                    |

Test Lab Certificate No. 2470.01

### 450 MHz Body

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Celltech Labs Inc.  
Test Result for UIM Dielectric Parameter  
17/May/2014  
FCC\_eB FCC Limits for Body Epsilon  
FCC\_sB FCC Limits for Body Sigma  
Test\_e Epsilon of UIM  
Test\_s Sigma of UIM

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| Freq   | FCC_eB | FCC_sB | Test_e | Test_s |
|--------|--------|--------|--------|--------|
| 0.3500 | 57.70  | 0.93   | 56.70  | 0.82   |
| 0.3600 | 57.60  | 0.93   | 56.57  | 0.83   |
| 0.3700 | 57.50  | 0.93   | 57.14  | 0.84   |
| 0.3800 | 57.40  | 0.93   | 56.25  | 0.85   |
| 0.3900 | 57.30  | 0.93   | 56.23  | 0.86   |
| 0.4000 | 57.20  | 0.93   | 55.96  | 0.88   |
| 0.4100 | 57.10  | 0.93   | 57.14  | 0.87   |
| 0.4200 | 57.00  | 0.94   | 55.77  | 0.88   |
| 0.4300 | 56.90  | 0.94   | 56.70  | 0.91   |
| 0.4400 | 56.80  | 0.94   | 55.94  | 0.90   |
| 0.4500 | 56.70  | 0.94   | 55.33  | 0.91   |
| 0.4600 | 56.66  | 0.94   | 55.67  | 0.93   |
| 0.4700 | 56.62  | 0.94   | 55.58  | 0.92   |
| 0.4800 | 56.58  | 0.94   | 55.39  | 0.95   |
| 0.4900 | 56.54  | 0.94   | 55.54  | 0.95   |
| 0.5000 | 56.51  | 0.94   | 55.30  | 0.96   |
| 0.5100 | 56.47  | 0.94   | 55.42  | 0.98   |
| 0.5200 | 56.43  | 0.95   | 54.81  | 0.97   |
| 0.5300 | 56.39  | 0.95   | 54.46  | 0.99   |
| 0.5400 | 56.35  | 0.95   | 54.52  | 1.01   |
| 0.5500 | 56.31  | 0.95   | 54.38  | 1.00   |

|                         |                                                |                                                                                                                      |                     |                  |                    |                                                                                       |
|-------------------------|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------|------------------|--------------------|---------------------------------------------------------------------------------------|
| <b>Applicant:</b>       | <b>HARRIS Corporation</b>                      | <b>FCC ID:</b>                                                                                                       | <b>OWDTR-0131-E</b> | <b>IC:</b>       | <b>3636B-0131</b>  |  |
| <b>DUT Type:</b>        | <b>Portable UHF Band PTT Radio Transceiver</b> |                                                                                                                      |                     | <b>DUT Name:</b> | <b>XG-75 UHF-H</b> |                                                                                       |
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