



849 NW State Road 45  
Newberry, FL 32669 USA  
Phone: 352.472.5500  
Email: [info@timcoengr.com](mailto:info@timcoengr.com)  
Website: [www.timcoengr.com](http://www.timcoengr.com)

**FCC PART 15B / RSS-135**  
**SCANNING RECEIVER**  
**COMBO TEST REPORT**

|                             |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| <b>Applicant</b>            | UNIDEN AMERICA CORPORATION                                             |
| <b>Address</b>              | 3001 GATEWAY DRIVE<br>SUITE 130<br>IRVING, TEXAS 75063 USA             |
| <b>FCC ID:</b>              | AMWUB384                                                               |
| <b>IC</b>                   | 513C-UB384                                                             |
| <b>Model Number</b>         | SDS200                                                                 |
| <b>Product Description</b>  | SCANNING RECEIVER                                                      |
| <b>Date Sample Received</b> | 11/27/2018                                                             |
| <b>Final Test Date</b>      | 11/27/2018                                                             |
| <b>Tested By</b>            | Tim Royer                                                              |
| <b>Approved By</b>          | Franklin Rose                                                          |
| <b>Test Results</b>         | <input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL |

| Report Number       | Version Number | Description                           | Issue Date |
|---------------------|----------------|---------------------------------------|------------|
| 2014AUT18TestReport | Rev1           | Initial Issue                         | 11/29/2018 |
| 2014AUT18TestReport | Rev2           | Updated Antenna Connector Type Page 6 | 12/26/2018 |

**THE ATTACHED REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT  
THE WRITTEN APPROVAL OF TIMCO ENGINEERING, INC.**

## TABLE OF CONTENTS

|                                                                                     |           |
|-------------------------------------------------------------------------------------|-----------|
| <b>GENERAL REMARKS .....</b>                                                        | <b>5</b>  |
| <b>GENERAL INFORMATION .....</b>                                                    | <b>6</b>  |
| <b>REPORT SUMMARY .....</b>                                                         | <b>7</b>  |
| <b>RESULTS SUMMARY .....</b>                                                        | <b>7</b>  |
| <b>RADIATED SPURIOUS EMISSIONS .....</b>                                            | <b>8</b>  |
| <b>SCANNING RECEIVER FUNCTION, SCANNED 30 MHZ TO 200 MHZ.....</b>                   | <b>10</b> |
| TEST DATA: FIELD STRENGTH PLOT, HORIZ. POLARITY.....                                | 10        |
| TEST DATA: FIELD STRENGTH TABLE, HORIZ. POLARITY .....                              | 11        |
| TEST DATA: FIELD STRENGTH PLOT, VERT. POLARITY .....                                | 12        |
| TEST DATA: FIELD STRENGTH TABLE, VERT. POLARITY.....                                | 13        |
| <b>TUNED TO 40.84 MHZ, SCANNED 30 MHZ TO 200 MHZ .....</b>                          | <b>14</b> |
| TEST DATA: LOW END OF BAND 40.84 MHZ FIELD STRENGTH PLOT, HORIZ. POLARITY .....     | 14        |
| TEST DATA: LOW END OF BAND 40.84 MHZ FIELD STRENGTH TABLE, HORIZ. POLARITY .....    | 15        |
| TEST DATA: LOW END OF BAND 40.84 MHZ FIELD STRENGTH PLOT, VERT. POLARITY .....      | 16        |
| TEST DATA: LOW END OF BAND 40.84 MHZ FIELD STRENGTH TABLE, VERT. POLARITY.....      | 17        |
| <b>TUNED TO 107.1 MHZ, SCANNED 30 MHZ TO 200 MHZ .....</b>                          | <b>18</b> |
| TEST DATA: MIDDLE OF BAND 107.5 MHZ FIELD STRENGTH PLOT, HORIZ. POLARITY .....      | 18        |
| TEST DATA: MIDDLE OF BAND 107.5MHZ FIELD STRENGTH TABLE, HORIZ. POLARITY .....      | 19        |
| TEST DATA: MIDDLE OF BAND 107.5MHZ FIELD STRENGTH PLOT, VERT. POLARITY.....         | 20        |
| TEST DATA: MIDDLE OF BAND 107.5MHZ FIELD STRENGTH TABLE, VERT. POLARITY.....        | 21        |
| <b>TUNED TO 511.9125 MHZ, SCANNED 30 MHZ TO 200 MHZ .....</b>                       | <b>22</b> |
| TEST DATA: MIDDLE OF BAND 511.9125 MHZ FIELD STRENGTH PLOT, HORIZ. POLARITY .....   | 22        |
| TEST DATA: MIDDLE OF BAND 511.9125MHZ FIELD STRENGTH TABLE, HORIZ. POLARITY.....    | 23        |
| TEST DATA: MIDDLE OF BAND 511.9125MHZ FIELD STRENGTH PLOT, VERT. POLARITY.....      | 24        |
| TEST DATA: MIDDLE OF BAND 511.9125MHZ FIELD STRENGTH TABLE, VERT. POLARITY .....    | 25        |
| <b>TUNED TO 954.9125 MHZ, SCANNED 30 MHZ TO 200 MHZ .....</b>                       | <b>26</b> |
| TEST DATA: HIGH END OF BAND 954.9125 MHZ FIELD STRENGTH PLOT, HORIZ. POLARITY ..... | 26        |
| TEST DATA: HIGH END OF BAND 954.9125 MHZ FIELD STRENGTH TABLE, HORIZ. POLARITY..... | 27        |
| TEST DATA: HIGH END OF BAND 954.9125 MHZ FIELD STRENGTH PLOT, VERT. POLARITY.....   | 28        |
| TEST DATA: HIGH END OF BAND 954.9125 MHZ FIELD STRENGTH TABLE, VERT. POLARITY ..... | 29        |
| <b>SCANNING RECEIVER FUNCTION, SCANNED 200 MHZ TO 1 GHZ .....</b>                   | <b>30</b> |
| TEST DATA: FIELD STRENGTH PLOT, HORIZ. POLARITY.....                                | 30        |
| TEST DATA: FIELD STRENGTH TABLE, HORIZ. POLARITY .....                              | 31        |
| TEST DATA: FIELD STRENGTH PLOT, VERT. POLARITY .....                                | 32        |
| TEST DATA: FIELD STRENGTH TABLE, VERT. POLARITY.....                                | 33        |
| <b>TUNED TO 40.84 MHZ, SCANNED 200 MHZ TO 1 GHZ.....</b>                            | <b>34</b> |
| TEST DATA: LOW END OF BAND 40.84 MHZ FIELD STRENGTH PLOT, HORIZ. POLARITY .....     | 34        |
| TEST DATA: LOW END OF BAND 40.84 MHZ FIELD STRENGTH TABLE, HORIZ. POLARITY .....    | 35        |
| TEST DATA: LOW END OF BAND 40.84 MHZ FIELD STRENGTH PLOT, VERT. POLARITY .....      | 36        |
| TEST DATA: LOW END OF BAND 40.84 MHZ FIELD STRENGTH TABLE, VERT. POLARITY.....      | 37        |

Applicant: UNIDEN AMERICA CORPORATION  
 FCC ID: AMWUB384  
 IC: 513C-UB384  
 Report: 2014AUT18TestReport\_Rev1

|                                                                                      |           |
|--------------------------------------------------------------------------------------|-----------|
| <b>TUNED TO 107.1 MHZ, SCANNED 200 MHZ TO 1 GHZ.....</b>                             | <b>38</b> |
| TEST DATA: MIDDLE OF BAND 107.1MHZ FIELD STRENGTH PLOT, HORIZ. POLARITY .....        | 38        |
| TEST DATA: MIDDLE OF BAND 107.1MHZ FIELD STRENGTH TABLE, HORIZ. POLARITY .....       | 39        |
| TEST DATA: MIDDLE OF BAND 107.1MHZ FIELD STRENGTH PLOT, VERT. POLARITY .....         | 40        |
| TEST DATA: MIDDLE OF BAND 107.1MHZ FIELD STRENGTH TABLE, VERT. POLARITY.....         | 41        |
| <b>TUNED TO 511.9125 MHZ, SCANNED 200 MHZ TO 1 GHZ.....</b>                          | <b>42</b> |
| TEST DATA: MIDDLE OF BAND 511.9125MHZ FIELD STRENGTH PLOT, HORIZ. POLARITY .....     | 42        |
| TEST DATA: MIDDLE OF BAND 511.9125MHZ FIELD STRENGTH TABLE, HORIZ. POLARITY.....     | 43        |
| TEST DATA: MIDDLE OF BAND 511.9125MHZ FIELD STRENGTH PLOT, VERT. POLARITY.....       | 44        |
| TEST DATA: MIDDLE OF BAND 511.9125MHZ FIELD STRENGTH TABLE, VERT. POLARITY .....     | 45        |
| <b>TUNED TO 954.9125 MHZ, SCANNED 200 MHZ TO 1 GHZ.....</b>                          | <b>46</b> |
| TEST DATA: HIGH END OF BAND 954.9125 MHZ FIELD STRENGTH PLOT, HORIZ. POLARITY .....  | 46        |
| TEST DATA: HIGH END OF BAND 954.9125 MHZ FIELD STRENGTH TABLE, HORIZ. POLARITY ..... | 47        |
| TEST DATA: HIGH END OF BAND 954.9125 MHZ FIELD STRENGTH PLOT, VERT. POLARITY.....    | 48        |
| TEST DATA: HIGH END OF BAND 954.9125 MHZ FIELD STRENGTH TABLE, VERT. POLARITY .....  | 49        |
| <b>SCANNING RECEIVER FUNCTION, SCANNED 1GHZ TO 12.5 GHZ .....</b>                    | <b>50</b> |
| TEST DATA: FIELD STRENGTH PLOT, HORIZ. POLARITY.....                                 | 50        |
| TEST DATA: FIELD STRENGTH TABLE, HORIZ. POLARITY .....                               | 51        |
| TEST DATA: FIELD STRENGTH PLOT, VERT. POLARITY .....                                 | 52        |
| TEST DATA: FIELD STRENGTH TABLE, VERT. POLARITY .....                                | 53        |
| <b>TUNED TO 40.84 MHZ, SCANNED 1 GHZ TO 12.5 GHZ .....</b>                           | <b>54</b> |
| TEST DATA: LOW END OF BAND 40.84 MHZ FIELD STRENGTH PLOT, HORIZ. POLARITY .....      | 54        |
| TEST DATA: LOW END OF BAND 40.84 MHZ FIELD STRENGTH TABLE, HORIZ. POLARITY .....     | 55        |
| TEST DATA: LOW END OF BAND 40.84 MHZ FIELD STRENGTH PLOT, VERT. POLARITY .....       | 56        |
| TEST DATA: LOW END OF BAND 40.84 MHZ FIELD STRENGTH TABLE, VERT. POLARITY.....       | 57        |
| <b>TUNED TO 107.1 MHZ, SCANNED 1 GHZ TO 12.5 GHZ .....</b>                           | <b>58</b> |
| TEST DATA: MIDDLE OF BAND 107.1MHZ FIELD STRENGTH PLOT, HORIZ. POLARITY .....        | 58        |
| TEST DATA: MIDDLE OF BAND 107.1MHZ FIELD STRENGTH TABLE, HORIZ. POLARITY .....       | 59        |
| TEST DATA: MIDDLE OF BAND 107.1MHZ FIELD STRENGTH PLOT, VERT. POLARITY.....          | 60        |
| TEST DATA: MIDDLE OF BAND 107.1 MHZ FIELD STRENGTH TABLE, VERT. POLARITY.....        | 61        |
| <b>TUNED TO 511.9125 MHZ, SCANNED 1 GHZ TO 12.5 GHZ .....</b>                        | <b>62</b> |
| TEST DATA: MIDDLE OF BAND 511.9125 MHZ FIELD STRENGTH PLOT, HORIZ. POLARITY .....    | 62        |
| TEST DATA: MIDDLE OF BAND 511.9125 MHZ FIELD STRENGTH TABLE, HORIZ. POLARITY.....    | 63        |
| TEST DATA: MIDDLE OF BAND 511.9125 MHZ FIELD STRENGTH PLOT, VERT. POLARITY.....      | 64        |
| TEST DATA: MIDDLE OF BAND 511.9125 MHZ FIELD STRENGTH TABLE, VERT. POLARITY .....    | 65        |
| <b>TUNED TO 954.9125 MHZ, SCANNED 1 GHZ TO 12.5 GHZ .....</b>                        | <b>66</b> |
| TEST DATA: HIGH END OF BAND 954.9125 MHZ FIELD STRENGTH PLOT, HORIZ. POLARITY .....  | 66        |
| TEST DATA: HIGH END OF BAND 954.9125 MHZ FIELD STRENGTH TABLE, HORIZ. POLARITY.....  | 67        |
| TEST DATA: HIGH END OF BAND 954.9125 MHZ FIELD STRENGTH PLOT, VERT. POLARITY.....    | 68        |
| TEST DATA: HIGH END OF BAND 954.9125 MHZ FIELD STRENGTH TABLE, VERT. POLARITY .....  | 69        |
| <b>ANTENNA CONDUCTED POWER .....</b>                                                 | <b>70</b> |

|                                                               |           |
|---------------------------------------------------------------|-----------|
| <b>POWER LINE CONDUCTED INTERFERENCE .....</b>                | <b>71</b> |
| TEST DATA: SCANNING, LINE 1 PEAK PLOT .....                   | 72        |
| TEST DATA: SCANNING, LINE 1 PEAK PLOT TABLE .....             | 73        |
| TEST DATA: SCANNING, LINE 2 PEAK PLOT .....                   | 74        |
| TEST DATA: SCANNING, LINE 2 PEAK PLOT TABLE .....             | 75        |
| TEST DATA: TUNED TO 40.84 MHZ, LINE 1 PEAK PLOT .....         | 76        |
| TEST DATA: TUNED TO 40.84 MHZ, LINE 1 PEAK PLOT TABLE .....   | 77        |
| TEST DATA: TUNED TO 40.84 MHZ, LINE 2 PEAK PLOT .....         | 78        |
| TEST DATA: TUNED TO 40.84 MHZ, LINE 2 PEAK PLOT TABLE .....   | 79        |
| TEST DATA: TUNED TO 107.1 MHZ, LINE 1 PEAK PLOT .....         | 80        |
| TEST DATA: TUNED TO 107.1 MHZ, LINE 1 PEAK PLOT TABLE .....   | 81        |
| TEST DATA: TUNED TO 107.1 MHZ, LINE 2 PEAK PLOT .....         | 82        |
| TEST DATA: TUNED TO 107.1 MHZ, LINE 2 PEAK PLOT TABLE .....   | 83        |
| TEST DATA: TUNED TO 511.9125 MHZ, LINE 1 PEAK PLOT .....      | 84        |
| TEST DATA: TUNED TO 511.9125 MHZ, LINE 1 PEAK PLOT TABLE..... | 85        |
| TEST DATA: TUNED TO 511.9125 MHZ, LINE 2 PEAK PLOT .....      | 86        |
| TEST DATA: TUNED TO 511.9125 MHZ, LINE 2 PEAK PLOT TABLE..... | 87        |
| TEST DATA: TUNED TO 954.9125 MHZ, LINE 1 PEAK PLOT .....      | 88        |
| TEST DATA: TUNED TO 954.9125 MHZ, LINE 1 PEAK PLOT TABLE..... | 89        |
| TEST DATA: TUNED TO 954.9125 MHZ, LINE 2 PEAK PLOT .....      | 90        |
| TEST DATA: TUNED TO 954.9125 MHZ, LINE 2 PEAK PLOT TABLE..... | 91        |
| <b>TEST EQUIPMENT LIST .....</b>                              | <b>92</b> |

## GENERAL REMARKS

The attached report shall not be reproduced except in full without the written permission of Timco Engineering Inc.

## Summary

The device under test does:

- ☒ Fulfill the general approval requirements as identified in this test report and was selected by the customer.
- ☐ Not fulfill the general approval requirements as identified in this test report

## Attestations

This equipment has been tested in accordance with the standards identified in this test report. To the best of my knowledge and belief, these tests were performed using the measurement procedures described in this report.

All instrumentation and accessories used to test products for compliance to the indicated standards are calibrated regularly in accordance with ISO 17025 requirements.

I attest that the necessary measurements were made at:

**Timco Engineering Inc.**  
**849 NW State Road 45**  
**Newberry FL 32660**



Sr. EMC Engineer  
EMC-003838-NE



## Tested by:

Name and Title: Tim Royer, Project Manager/Testing Engineer

**Date: 11/27/2018**



## Reviewed and approved by:

Name and Title: Franklin Rose, Project Manager/EMC Testing Technician

**Date: 11/29/2018**

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## GENERAL INFORMATION

|                                           |                                                                                                           |
|-------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>EUT Description</b>                    | SCANNING RECEIVER                                                                                         |
| <b>FCC ID</b>                             | AMWUB384                                                                                                  |
| <b>IC</b>                                 | 513C-UB384                                                                                                |
| <b>Model Number</b>                       | SDS200                                                                                                    |
| <b>Range</b>                              | 25.0 – 1240.0 MHz                                                                                         |
| <b>Test Range</b>                         | 30 MHz – 960 MHz*                                                                                         |
| <b>Receiver Circuit Type</b>              | Heterodyne                                                                                                |
| <b>Antenna Connector</b>                  | BNC                                                                                                       |
| <b>EUT Power Source</b>                   | <input checked="" type="checkbox"/> 110–120Vac/50– 60Hz                                                   |
|                                           | <input checked="" type="checkbox"/> 13.6 VDC Nominal                                                      |
|                                           | <input type="checkbox"/> Battery Operated Exclusively                                                     |
| <b>Test Item</b>                          | <input type="checkbox"/> Prototype                                                                        |
|                                           | <input checked="" type="checkbox"/> Pre-Production                                                        |
|                                           | <input type="checkbox"/> Production                                                                       |
| <b>Modifications required for Testing</b> | None                                                                                                      |
| <b>Test Site</b>                          | Timco Engineering, Inc.<br>849 NW State Road 45<br>Newberry, FL 32669<br>Designation #: US1070, IC: 2056A |

**\*NOTE: 15.101(b)** Receivers operating above 960 MHz or below 30 MHz, except for radar detectors and CB receivers, are exempt from complying with the technical provisions of this part but are subject to §15.5.

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## REPORT SUMMARY

|                                                  |                                                                                                                            |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Regulatory Standard</b>                       | CFR Title 47 FCC Rule part 15B § 15.109, 15.111, & 15.121, IC RSS-135, i2, RSS-GEN                                         |
| <b>Test Procedures</b>                           | FCC Part 15.31, 15.33, 15.35, RSS-GEN<br>ANSI C63.4 – 2014                                                                 |
| <b>Operational Modes</b>                         | Stopped at the Lowest, middle, and highest frequency of tuning range. In addition scanning all frequencies of tuning range |
| <b>Test Frequencies</b>                          | <b>Low:</b> 40.84 MHz                                                                                                      |
|                                                  | <b>Middle:</b> 107.5, 511.9125 MHz                                                                                         |
|                                                  | <b>High:</b> 954.9125 MHz                                                                                                  |
|                                                  | <b>Scan:</b> 25.0 – 1240.0 MHz                                                                                             |
| <b>Setup</b>                                     | For radiated test the ant terminal was connected to 50Ω non radiating load through a 50 Ω coaxial cable                    |
|                                                  | For conducted test the ant terminal was connected to a EMI receiver through 50 Ω coaxial cable                             |
| <b>Environmental Condition in the laboratory</b> | Temperature: 24-26°C<br>Relative humidity: 50-65%<br>Barometric Pressure: 30.01"                                           |
| <b>Deviation from the standard / procedure</b>   | No deviation                                                                                                               |

## RESULTS SUMMARY

| FCC Requirement                 | ISED Requirement                  | Pass / Fail        |
|---------------------------------|-----------------------------------|--------------------|
| 15.109 Radiated Emissions       | RSS-215, Sec 5.1<br>RSS-GEN 7.1.2 | <b>Pass</b>        |
| 15.111 Receiver Conducted Power | RSS-GEN 8.8                       | <b>Pass</b>        |
| 15.121 38 dB Rejection          |                                   | N/A <sup>(1)</sup> |

### Notes:

- 1) The receiver is digital and is incapable of producing a SINAD output.

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## RADIATED SPURIOUS EMISSIONS

**Rule Part No.:** FCC Part 15 Subpart B , RSS-215, RSS-GEN

**Requirements:** FCC Part 15.109(a) Radiated Emission Limit

| Class B Field Strength Limits @ 3 Meters |                     |
|------------------------------------------|---------------------|
| Frequency<br>(MHz)                       | Level<br>(dBuV / m) |
| 30 – 88                                  | 40.0                |
| 80 – 216                                 | 43.5                |
| 216 – 960                                | 46.0                |
| Above 960                                | 54.0                |

FCC Part 15.109(f) Radiated Emission Limit

For a receiver which employs terminals for the connection of an external receiving antenna, the receiver shall be tested to demonstrate compliance with the provisions of this section with an antenna connected to the antenna terminals unless the antenna conducted power is measured as specified in §15.111(a).

**Procedure:** FCC Part 15.33(b)(3) Frequency range of radiated measurements

FCC Part 15.35(a) Measurement detector functions and bandwidths

ANSI C63.4 Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment 9 kHz to 40 GHz

§ 6.2 Operating conditions

§ 6.3 Arrangement of EUT

§ 8.3.1 Exploratory radiated emissions measurements

§ 8.3.2 Final radiated emission measurements

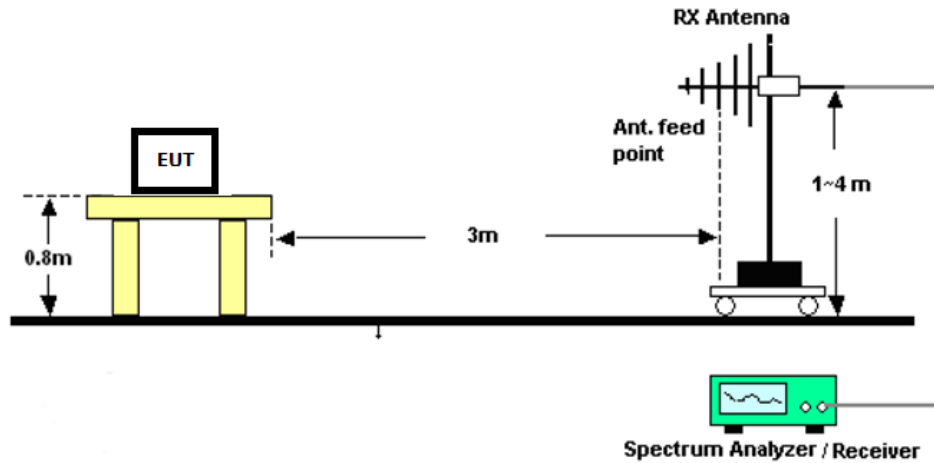
**Configuration:** The scanner receiver spurious emissions are to be measured when the receiver is in the scanning mode and repeated when the scanning is stopped.



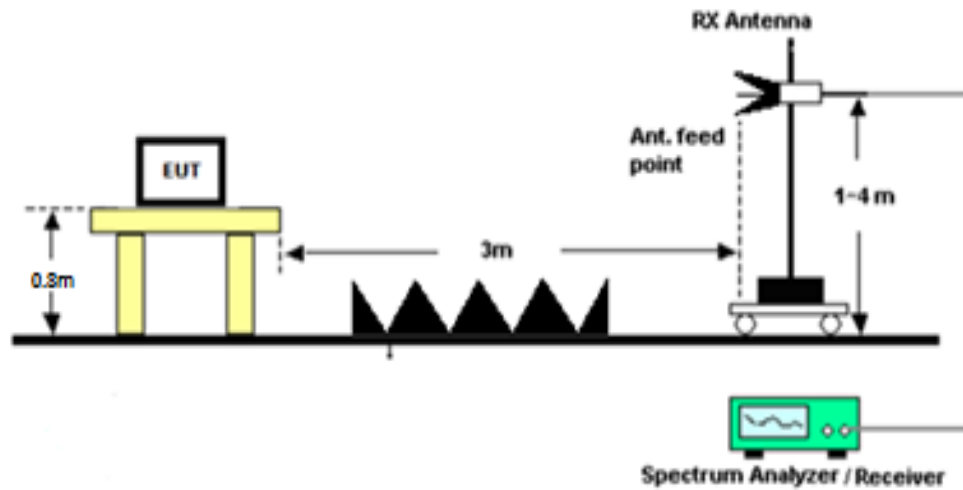
## RADIATED SPURIOUS EMISSIONS

Setup:

### Emissions 30 – 1000 MHz



### Emissions above 1 GHz





## RADIATED SPURIOUS EMISSIONS

**Test Data: Field Strength Table, Horiz. Polarity**

27.Nov 18 18:36

Test Spec CISPR 22 Radiated Disturbances

Polarity

Vertical

### Final Measurement

Meas Time: 1 s

Margin: 25 dB

Subranges: 5

| Trace | Frequency         | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|-------------------|----------------|------------|----------------|
| 1     | 37.440000000 MHz  | 10.83          | Quasi Peak | -29.17         |
| 1     | 42.000000000 MHz  | 10.74          | Quasi Peak | -29.26         |
| 1     | 103.640000000 MHz | 19.53          | Quasi Peak | -23.97         |
| 1     | 138.080000000 MHz | 14.60          | Quasi Peak | -28.90         |
| 1     | 154.400000000 MHz | 16.53          | Quasi Peak | -26.97         |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
 FCC ID: AMWUB384  
 IC: 513C-UB384  
 Report: 2014AUT18TestReport\_Rev1

Page 11 of 92

## RADIATED SPURIOUS EMISSIONS

**Test Data: Field Strength Plot, Vert. Polarity**



27.Nov 18 18:37

**Test Spec** CISPR 22 Radiated Disturbances

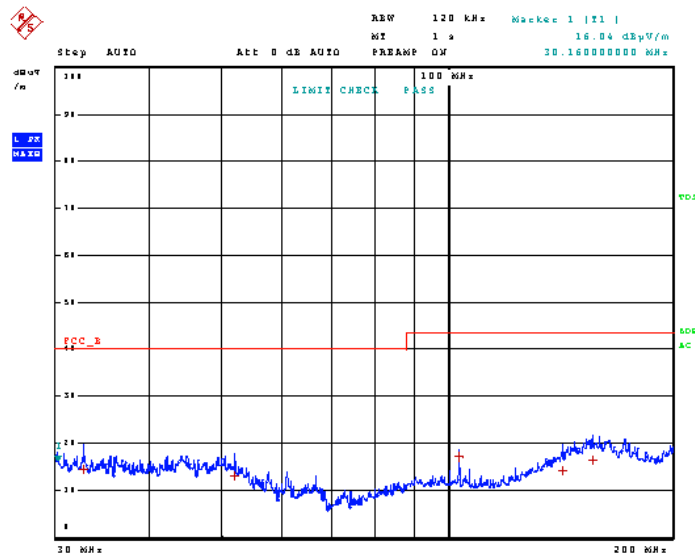
### Polarity

Vertical

### Stepped Scan (1 Range)

|             |                   |
|-------------|-------------------|
| Scan Start: | 30 MHz            |
| Scan Stop:  | 200 MHz           |
| Detector:   | Trace 1: MAX PEAK |
| Transducer: | TDS_01            |

| Start Frequency | Stop Frequency | Step Size | Res BW     | Meas Time  | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|------------|------------|----------|--------|--------|
| 30.000000 MHz   | 200.000000 MHz | 40.00 kHz | 120.00 kHz | 50 $\mu$ s | Auto     | 20 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 12 of 92

## RADIATED SPURIOUS EMISSIONS

**Test Data: Field Strength Table, Vert. Polarity**

27.Nov 18 18:37

Test Spec CISPR 22 Radiated Disturbances

Polarity

Vertical

### Final Measurement

Meas Time: 1 s  
Margin: 25 dB  
Subranges: 5

| Trace | Frequency        | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|------------------|----------------|------------|----------------|
| 1     | 32.60000000 MHz  | 14.39          | Quasi Peak | -25.61         |
| 1     | 51.92000000 MHz  | 13.11          | Quasi Peak | -26.89         |
| 1     | 103.76000000 MHz | 17.07          | Quasi Peak | -26.43         |
| 1     | 142.60000000 MHz | 14.20          | Quasi Peak | -29.30         |
| 1     | 156.24000000 MHz | 16.44          | Quasi Peak | -27.06         |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 13 of 92

# RADIATED SPURIOUS EMISSIONS

Tuned to 40.84 MHz, Scanned 30 MHz to 200 MHz

Test Data: Low End of Band 40.84 MHz Field Strength Plot, Horiz. Polarity



27.Nov 18 18:34

Test Spec: CISPR 22 Radiated Disturbances

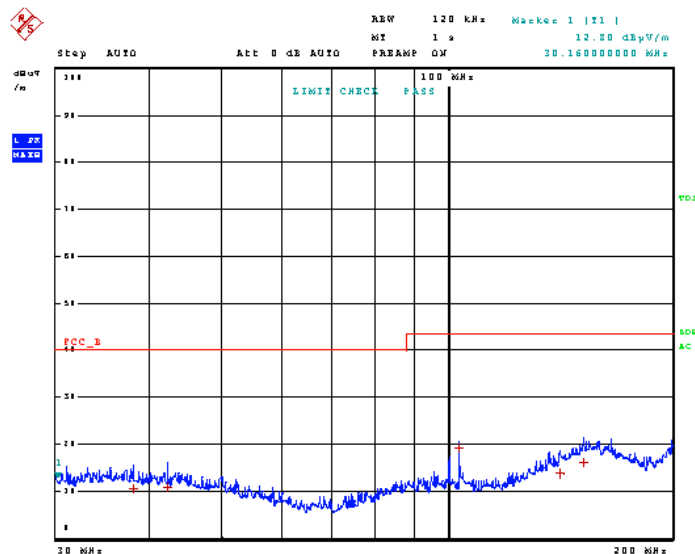
Polarity

Vertical

## Stepped Scan (1 Range)

Scan Start: 30 MHz  
Scan Stop: 200 MHz  
Detector: Trace 1: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size | Res BW     | Meas Time | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|------------|-----------|----------|--------|--------|
| 30.000000 MHz   | 200.000000 MHz | 40.00 kHz | 120.00 kHz | 50 µs     | Auto     | 20 dB  | INPUT1 |



## RADIATED SPURIOUS EMISSIONS

**Test Data: Low End of Band 40.84 MHz Field Strength Table, Horiz. Polarity**

27.Nov 18 18:34

Test Spec CISPR 22 Radiated Disturbances

Polarity

Vertical

### Final Measurement

Meas Time: 1 s

Margin: 25 dB

Subranges: 5

| Trace | Frequency        | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|------------------|----------------|------------|----------------|
| 1     | 38.00000000 MHz  | 10.67          | Quasi Peak | -29.33         |
| 1     | 42.28000000 MHz  | 10.73          | Quasi Peak | -29.27         |
| 1     | 103.76000000 MHz | 19.27          | Quasi Peak | -24.23         |
| 1     | 141.36000000 MHz | 13.02          | Quasi Peak | -29.68         |
| 1     | 152.28000000 MHz | 16.11          | Quasi Peak | -27.39         |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
 FCC ID: AMWUB384  
 IC: 513C-UB384  
 Report: 2014AUT18TestReport\_Rev1

Page 15 of 92





## RADIATED SPURIOUS EMISSIONS

**Test Data: Low End of Band 40.84 MHz Field Strength Table, Vert. Polarity**

27.Nov 18 18:33

Test Spec CISPR 22 Radiated Disturbances

Polarity

Vertical

### Final Measurement

Meas Time: 1 s

Margin: 25 dB

Subranges: 5

| Trace | Frequency        | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|------------------|----------------|------------|----------------|
| 1     | 33.00000000 MHz  | 14.33          | Quasi Peak | -25.67         |
| 1     | 44.16000000 MHz  | 14.48          | Quasi Peak | -25.52         |
| 1     | 103.68000000 MHz | 17.00          | Quasi Peak | -26.50         |
| 1     | 145.12000000 MHz | 14.92          | Quasi Peak | -26.58         |
| 1     | 159.00000000 MHz | 16.61          | Quasi Peak | -26.89         |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
 FCC ID: AMWUB384  
 IC: 513C-UB384  
 Report: 2014AUT18TestReport\_Rev1

Page 17 of 92

# RADIATED SPURIOUS EMISSIONS

Tuned to 107.1 MHz, Scanned 30 MHz to 200 MHz

Test Data: Middle of Band 107.5 MHz Field Strength Plot, Horiz. Polarity



27.Nov 18 18:31

Test Spec: CISPR 22 Radiated Disturbances

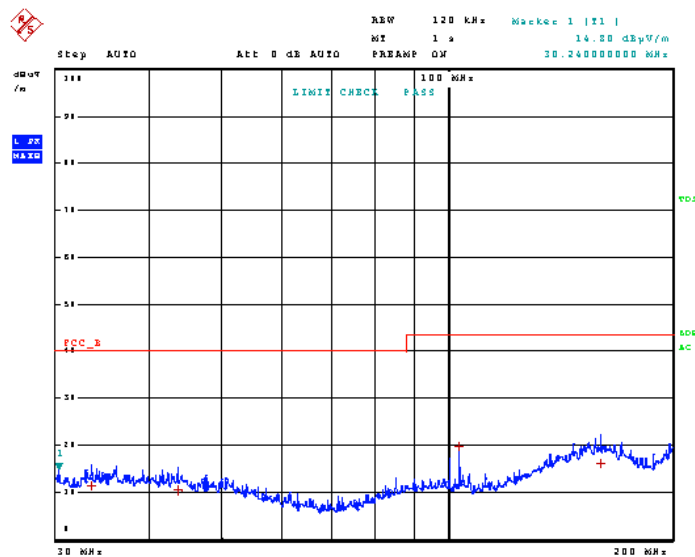
Polarity

Vertical

## Stepped Scan (1 Range)

Scan Start: 30 MHz  
Scan Stop: 200 MHz  
Detector: Trace 1: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size | Res BW     | Meas Time  | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|------------|------------|----------|--------|--------|
| 30.000000 MHz   | 200.000000 MHz | 40.00 kHz | 120.00 kHz | 50 $\mu$ s | Auto     | 20 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## RADIATED SPURIOUS EMISSIONS

**Test Data: Middle of Band 107.5MHz Field Strength Table, Horiz. Polarity**

27.Nov 18 18:31

Test Spec CISPR 22 Radiated Disturbances

Polarity

Vertical

### Final Measurement

Meas Time: 1 s

Margin: 25 dB

Subranges: 4

| Trace | Frequency        | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|------------------|----------------|------------|----------------|
| 1     | 33.44000000 MHz  | 11.37          | Quasi Peak | -28.63         |
| 1     | 43.56000000 MHz  | 10.33          | Quasi Peak | -29.67         |
| 1     | 103.64000000 MHz | 19.85          | Quasi Peak | -23.65         |
| 1     | 159.92000000 MHz | 15.97          | Quasi Peak | -27.53         |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
 FCC ID: AMWUB384  
 IC: 513C-UB384  
 Report: 2014AUT18TestReport\_Rev1

Page 19 of 92

# RADIATED SPURIOUS EMISSIONS

**Test Data: Middle of Band 107.5MHz Field Strength Plot, Vert. Polarity**



27.Nov 18 18:32

**Test Spec** CISPR 22 Radiated Disturbances

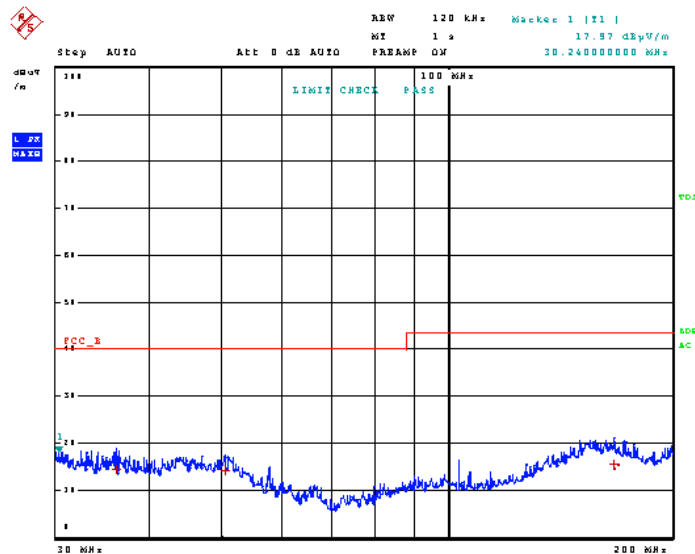
**Polarity**

Vertical

## Stepped Scan (1 Range)

Scan Start: 30 MHz  
Scan Stop: 200 MHz  
Detector: Trace 1: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size | Res BW     | Meas Time  | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|------------|------------|----------|--------|--------|
| 30.000000 MHz   | 200.000000 MHz | 40.00 kHz | 120.00 kHz | 50 $\mu$ s | Auto     | 20 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## RADIATED SPURIOUS EMISSIONS

**Test Data: Middle of Band 107.5MHz Field Strength Table, Vert. Polarity**

27.Nov 18 18:32

Test Spec CISPR 22 Radiated Disturbances

Polarity

Vertical

### Final Measurement

Meas Time: 1 s

Margin: 25 dB

Subranges: 3

| Trace | Frequency        | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|------------------|----------------|------------|----------------|
| 1     | 36.04000000 MHz  | 14.37          | Quasi Peak | -25.63         |
| 1     | 50.44000000 MHz  | 14.23          | Quasi Peak | -25.77         |
| 1     | 167.36000000 MHz | 15.50          | Quasi Peak | -28.00         |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

# RADIATED SPURIOUS EMISSIONS

Tuned to 511.9125 MHz, Scanned 30 MHz to 200 MHz

Test Data: Middle of Band 511.9125 MHz Field Strength Plot, Horiz. Polarity



27.Nov 18 18:30

Test Spec: CISPR 22 Radiated Disturbances

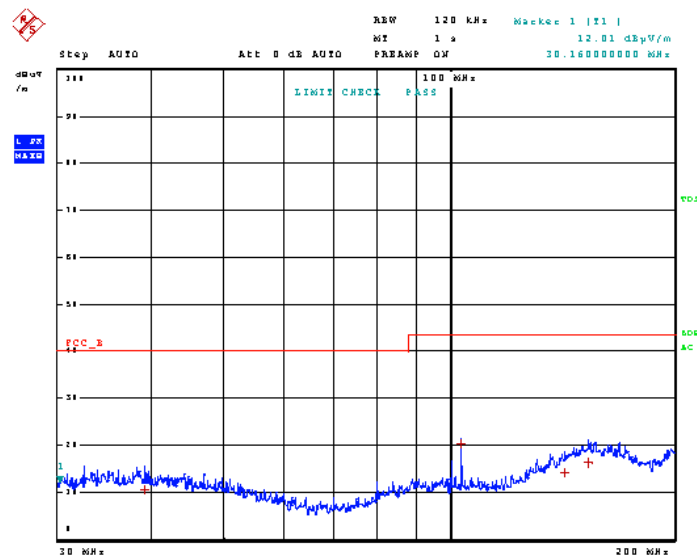
Polarity

Vertical

## Stepped Scan (1 Range)

Scan Start: 30 MHz  
Scan Stop: 200 MHz  
Detector: Trace 1: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size | Res BW     | Meas Time | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|------------|-----------|----------|--------|--------|
| 30.000000 MHz   | 200.000000 MHz | 40.00 kHz | 120.00 kHz | 50 µs     | Auto     | 20 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## RADIATED SPURIOUS EMISSIONS

**Test Data: Middle of Band 511.9125MHz Field Strength Table, Horiz. Polarity**

27.Nov 18 18:30

Test Spec CISPR 22 Radiated Disturbances

Polarity

Vertical

### Final Measurement

Meas Time: 1 s

Margin: 25 dB

Subranges: 4

| Trace | Frequency        | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|------------------|----------------|------------|----------------|
| 1     | 39.16000000 MHz  | 10.51          | Quasi Peak | -29.49         |
| 1     | 103.64000000 MHz | 20.36          | Quasi Peak | -23.14         |
| 1     | 142.68000000 MHz | 14.11          | Quasi Peak | -29.39         |
| 1     | 153.64000000 MHz | 16.24          | Quasi Peak | -27.26         |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
 FCC ID: AMWUB384  
 IC: 513C-UB384  
 Report: 2014AUT18TestReport\_Rev1

Page 23 of 92

# RADIATED SPURIOUS EMISSIONS

**Test Data: Middle of Band 511.9125MHz Field Strength Plot, Vert. Polarity**



27.Nov 18 18:30

**Test Spec** CISPR 22 Radiated Disturbances

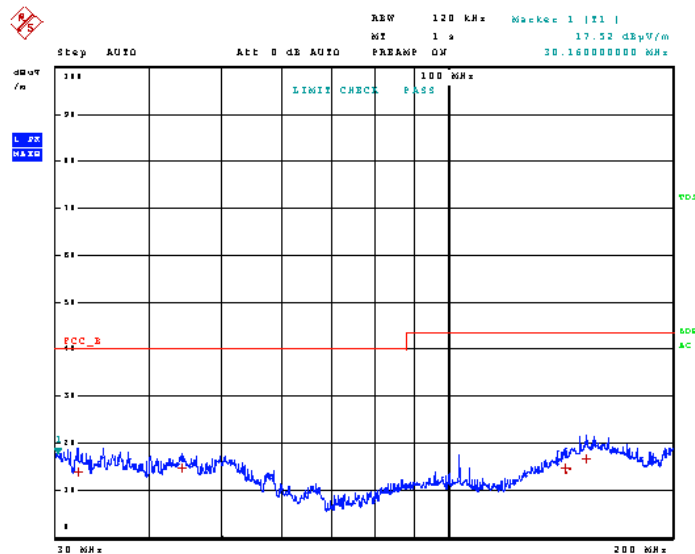
**Polarity**

Vertical

## Stepped Scan (1 Range)

Scan Start: 30 MHz  
Scan Stop: 200 MHz  
Detector: Trace 1: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size | Res BW     | Meas Time  | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|------------|------------|----------|--------|--------|
| 30.000000 MHz   | 200.000000 MHz | 40.00 kHz | 120.00 kHz | 50 $\mu$ s | Auto     | 20 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1



## RADIATED SPURIOUS EMISSIONS

**Test Data: Middle of Band 511.9125MHz Field Strength Table, Vert. Polarity**

27.Nov 18 18:30

Test Spec CISPR 22 Radiated Disturbances

Polarity

Vertical

### Final Measurement

Meas Time: 1 s

Margin: 25 dB

Subranges: 4

| Trace | Frequency        | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|------------------|----------------|------------|----------------|
| 1     | 32.08000000 MHz  | 14.06          | Quasi Peak | -25.94         |
| 1     | 44.08000000 MHz  | 14.73          | Quasi Peak | -25.27         |
| 1     | 144.00000000 MHz | 14.63          | Quasi Peak | -28.87         |
| 1     | 153.32000000 MHz | 16.64          | Quasi Peak | -26.86         |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
 FCC ID: AMWUB384  
 IC: 513C-UB384  
 Report: 2014AUT18TestReport\_Rev1

Page 25 of 92

# RADIATED SPURIOUS EMISSIONS

Tuned to 954.9125 MHz, Scanned 30 MHz to 200 MHz

Test Data: High End of Band 954.9125 MHz Field Strength Plot, Horiz. Polarity



27.Nov 18 18:27

Test Spec CISPR 22 Radiated Disturbances

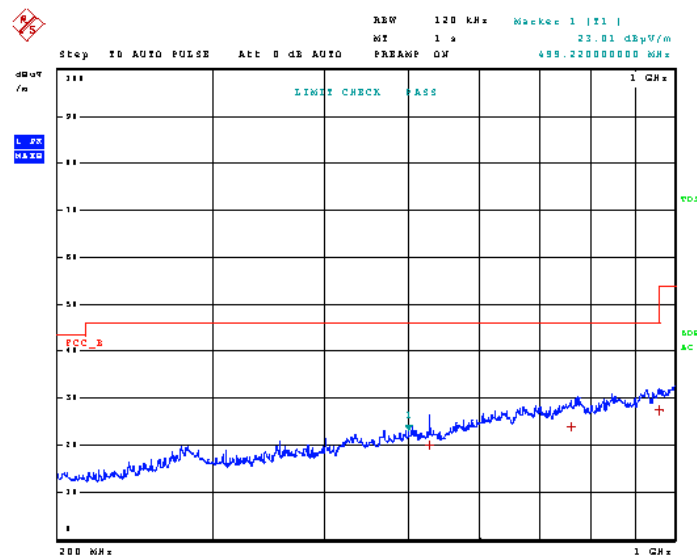
Polarity

Horizontal

## Time Domain Scan (1 Range)

Scan Start: 200 MHz  
Scan Stop: 1 GHz  
Detector: Trace 1: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size | Res BW     | Meas Time  | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|------------|------------|----------|--------|--------|
| 200.000000 MHz  | 1.000000 GHz   | 30.00 kHz | 120.00 kHz | 50 $\mu$ s | Auto     | 20 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## RADIATED SPURIOUS EMISSIONS

**Test Data: High End of Band 954.9125 MHz Field Strength Table, Horiz. Polarity**

27.Nov 18 18:27

Test Spec CISPR 22 Radiated Disturbances

Polarity  
Horizontal

### Final Measurement

Meas Time: 1 s  
Margin: 20 dB  
Subranges: 3

| Trace | Frequency        | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|------------------|----------------|------------|----------------|
| 1     | 527.30000000 MHz | 20.10          | Quasi Peak | -25.90         |
| 1     | 761.99000000 MHz | 24.07          | Quasi Peak | -21.93         |
| 1     | 959.51000000 MHz | 27.49          | Quasi Peak | -18.51         |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 27 of 92

# RADIATED SPURIOUS EMISSIONS

**Test Data: High End of Band 954.9125 MHz Field Strength Plot, Vert. Polarity**



27.Nov 18 18:29

**Test Spec** CISPR 22 Radiated Disturbances

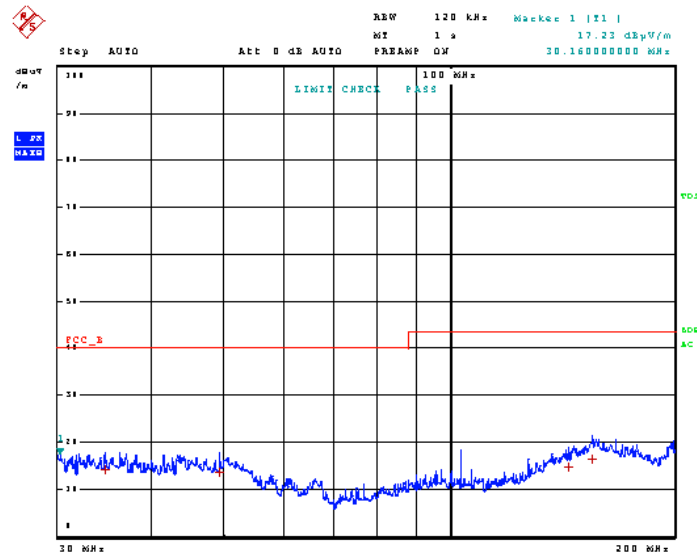
**Polarity**

Vertical

## Stepped Scan (1 Range)

Scan Start: 30 MHz  
Scan Stop: 200 MHz  
Detector: Trace 1: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size | Res BW     | Meas Time  | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|------------|------------|----------|--------|--------|
| 30.000000 MHz   | 200.000000 MHz | 40.00 kHz | 120.00 kHz | 50 $\mu$ s | Auto     | 20 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## RADIATED SPURIOUS EMISSIONS

**Test Data: High End of Band 954.9125 MHz Field Strength Table, Vert. Polarity**

27.Nov 18 18:29

Test Spec CISPR 22 Radiated Disturbances

Polarity

Vertical

### Final Measurement

Meas Time: 1 s

Margin: 25 dB

Subranges: 4

| Trace | Frequency        | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|------------------|----------------|------------|----------------|
| 1     | 34.72000000 MHz  | 14.23          | Quasi Peak | -25.77         |
| 1     | 49.16000000 MHz  | 13.65          | Quasi Peak | -26.35         |
| 1     | 144.40000000 MHz | 14.81          | Quasi Peak | -28.69         |
| 1     | 155.20000000 MHz | 16.51          | Quasi Peak | -26.99         |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
 FCC ID: AMWUB384  
 IC: 513C-UB384  
 Report: 2014AUT18TestReport\_Rev1

Page 29 of 92

# RADIATED SPURIOUS EMISSIONS

## Scanning Receiver Function, Scanned 200 MHz to 1 GHz

Test Data: Field Strength Plot, Horiz. Polarity



27.Nov 18 18:11

Test Spec CISPR 22 Radiated Disturbances

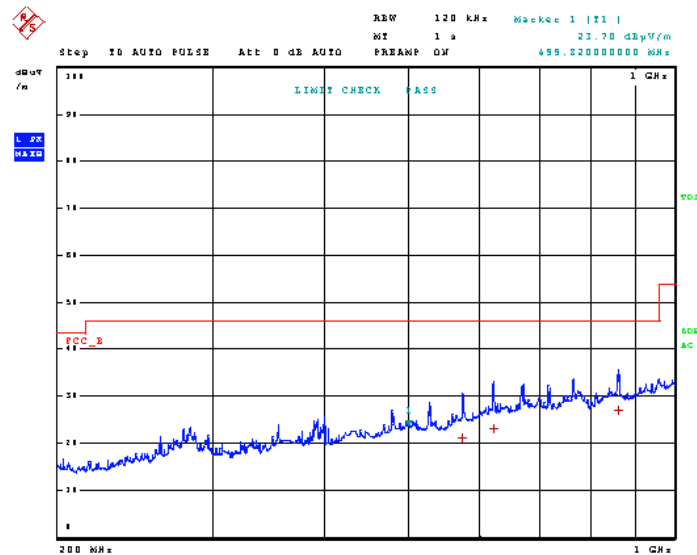
Polarity

Horizontal

### Time Domain Scan (1 Range)

Scan Start: 200 MHz  
Scan Stop: 1 GHz  
Detector: Trace 1: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size | Res BW     | Meas Time  | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|------------|------------|----------|--------|--------|
| 200.000000 MHz  | 1.000000 GHz   | 30.00 kHz | 120.00 kHz | 50 $\mu$ s | Auto     | 20 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## RADIATED SPURIOUS EMISSIONS

**Test Data: Field Strength Table, Horiz. Polarity**

27.Nov 18 18:11

Test Spec CISPR 22 Radiated Disturbances

Polarity  
Horizontal

### Final Measurement

Meas Time: 1 s  
Margin: 20 dB  
Subranges: 3

| Trace | Frequency        | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|------------------|----------------|------------|----------------|
| 1     | 575.03000000 MHz | 21.18          | Quasi Peak | -24.82         |
| 1     | 623.87000000 MHz | 22.99          | Quasi Peak | -23.01         |
| 1     | 862.94000000 MHz | 26.91          | Quasi Peak | -19.09         |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## RADIATED SPURIOUS EMISSIONS

**Test Data: Field Strength Plot, Vert. Polarity**



27.Nov 18 18:13

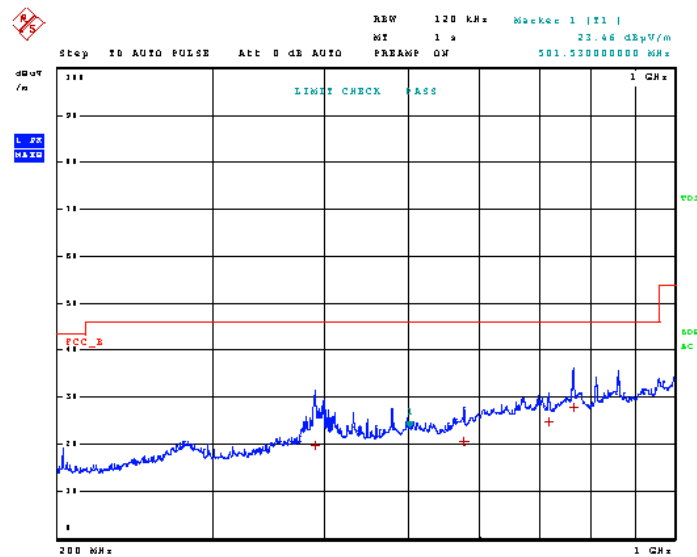
**Test Spec** CISPR 22 Radiated Disturbances

**Polarity**  
Horizontal

### Time Domain Scan (1 Range)

Scan Start: 200 MHz  
Scan Stop: 1 GHz  
Detector: Trace 1: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size | Res BW     | Meas Time  | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|------------|------------|----------|--------|--------|
| 200.000000 MHz  | 1.000000 GHz   | 30.00 kHz | 120.00 kHz | 50 $\mu$ s | Auto     | 20 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 32 of 92



## RADIATED SPURIOUS EMISSIONS

**Test Data: Field Strength Table, Vert. Polarity**

27.Nov 18 18:13

Test Spec CISPR 22 Radiated Disturbances

Polarity  
Horizontal

### Final Measurement

Meas Time: 1 s  
Margin: 20 dB  
Subranges: 4

| Trace | Frequency        | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|------------------|----------------|------------|----------------|
| 1     | 390.56000000 MHz | 19.54          | Quasi Peak | -26.46         |
| 1     | 576.92000000 MHz | 20.50          | Quasi Peak | -25.50         |
| 1     | 720.83000000 MHz | 24.81          | Quasi Peak | -21.19         |
| 1     | 769.40000000 MHz | 27.02          | Quasi Peak | -18.18         |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

# RADIATED SPURIOUS EMISSIONS

Tuned to 40.84 MHz, Scanned 200 MHz to 1 GHz

Test Data: Low End of Band 40.84 MHz Field Strength Plot, Horiz. Polarity



27.Nov.18 18:18

Test Spec CISPR 22 Radiated Disturbances

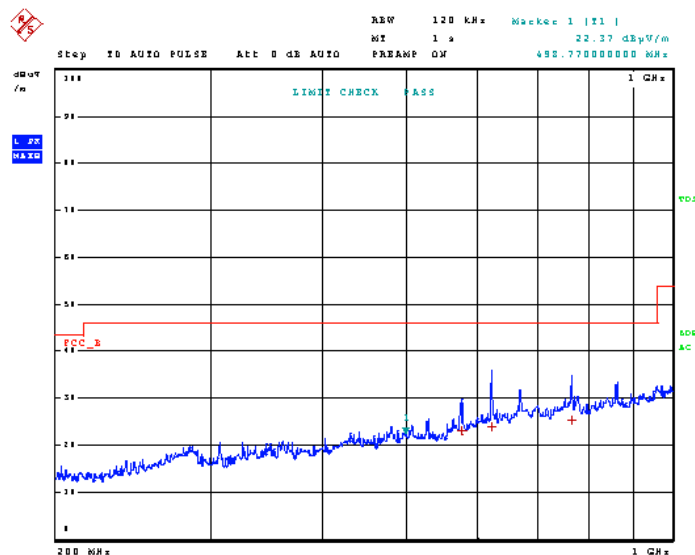
Polarity

Horizontal

## Time Domain Scan (1 Range)

Scan Start: 200 MHz  
Scan Stop: 1 GHz  
Detector: Trace 1: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size | Res BW     | Meas Time  | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|------------|------------|----------|--------|--------|
| 200.000000 MHz  | 1.000000 GHz   | 30.00 kHz | 120.00 kHz | 50 $\mu$ s | Auto     | 20 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## RADIATED SPURIOUS EMISSIONS

**Test Data: Low End of Band 40.84 MHz Field Strength Table, Horiz. Polarity**

27.Nov 18 18:18

Test Spec CISPR 22 Radiated Disturbances

Polarity  
Horizontal

**Final Measurement**

Meas Time: 1 s  
Margin: 20 dB  
Subranges: 3

| Trace | Frequency         | Level (dBµV/m) | Detector   | Delta Limit/dB |
|-------|-------------------|----------------|------------|----------------|
| 1     | 577.010000000 MHz | 22.96          | Quasi Peak | -23.04         |
| 1     | 624.200000000 MHz | 24.12          | Quasi Peak | -21.88         |
| 1     | 769.550000000 MHz | 25.36          | Quasi Peak | -20.64         |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

# RADIATED SPURIOUS EMISSIONS

**Test Data: Low End of Band 40.84 MHz Field Strength Plot, Vert. Polarity**



27.Nov 18 18:17

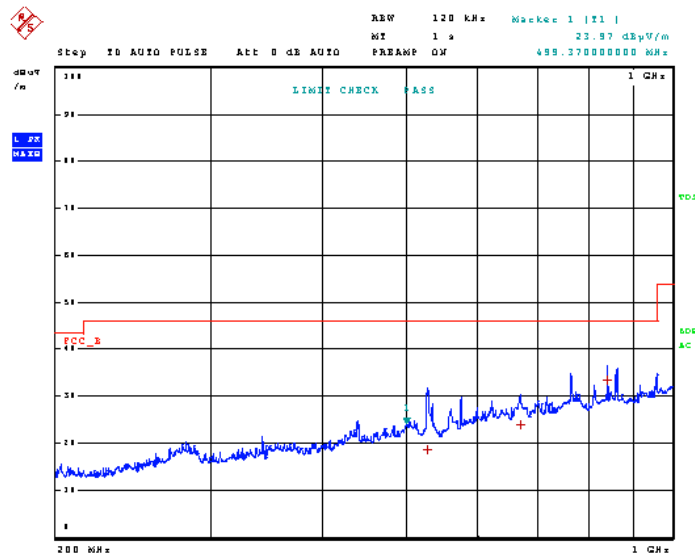
**Test Spec** CISPR 22 Radiated Disturbances

**Polarity**  
Horizontal

## Time Domain Scan (1 Range)

Scan Start: 200 MHz  
Scan Stop: 1 GHz  
Detector: Trace 1: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size | Res BW     | Meas Time  | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|------------|------------|----------|--------|--------|
| 200.000000 MHz  | 1.000000 GHz   | 30.00 kHz | 120.00 kHz | 50 $\mu$ s | Auto     | 20 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## RADIATED SPURIOUS EMISSIONS

**Test Data: Low End of Band 40.84 MHz Field Strength Table, Vert. Polarity**

27.Nov 18 18:17

Test Spec CISPR 22 Radiated Disturbances

Polarity  
Horizontal

### Final Measurement

Meas Time: 1 s  
Margin: 20 dB  
Subranges: 3

| Trace | Frequency         | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|-------------------|----------------|------------|----------------|
| 1     | 527.360000000 MHz | 18.61          | Quasi Peak | -27.39         |
| 1     | 671.870000000 MHz | 24.12          | Quasi Peak | -21.88         |
| 1     | 843.200000000 MHz | 33.57          | Quasi Peak | -12.43         |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

# RADIATED SPURIOUS EMISSIONS

Tuned to 107.1 MHz, Scanned 200 MHz to 1 GHz

Test Data: Middle of Band 107.1MHz Field Strength Plot, Horiz. Polarity



27.Nov 18 18:20

Test Spec CISPR 22 Radiated Disturbances

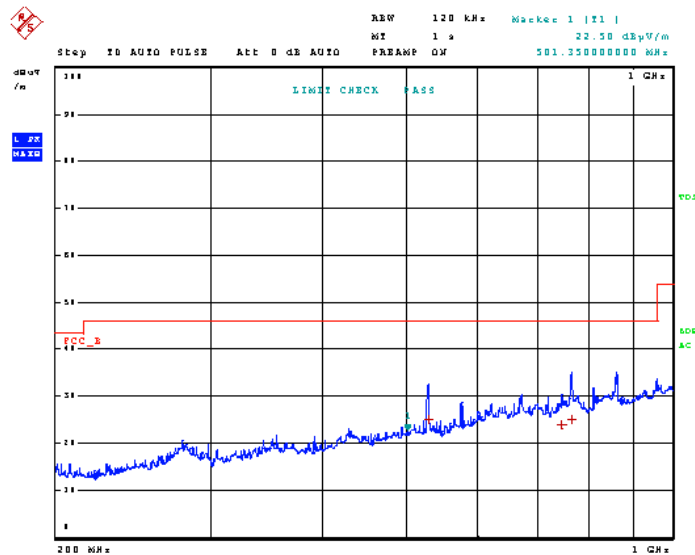
Polarity

Horizontal

## Time Domain Scan (1 Range)

Scan Start: 200 MHz  
Scan Stop: 1 GHz  
Detector: Trace 1: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size | Res BW     | Meas Time  | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|------------|------------|----------|--------|--------|
| 200.000000 MHz  | 1.000000 GHz   | 30.00 kHz | 120.00 kHz | 50 $\mu$ s | Auto     | 20 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## RADIATED SPURIOUS EMISSIONS

**Test Data: Middle of Band 107.1MHz Field Strength Table, Horiz. Polarity**

27.Nov 18 18:20

Test Spec CISPR 22 Radiated Disturbances

Polarity  
Horizontal

### Final Measurement

Meas Time: 1 s  
Margin: 20 dB  
Subranges: 3

| Trace | Frequency         | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|-------------------|----------------|------------|----------------|
| 1     | 528.170000000 MHz | 25.21          | Quasi Peak | -20.79         |
| 1     | 749.510000000 MHz | 23.95          | Quasi Peak | -22.05         |
| 1     | 768.890000000 MHz | 25.08          | Quasi Peak | -20.92         |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

# RADIATED SPURIOUS EMISSIONS

**Test Data: Middle of Band 107.1MHz Field Strength Plot, Vert. Polarity**



27.Nov 18 18:19

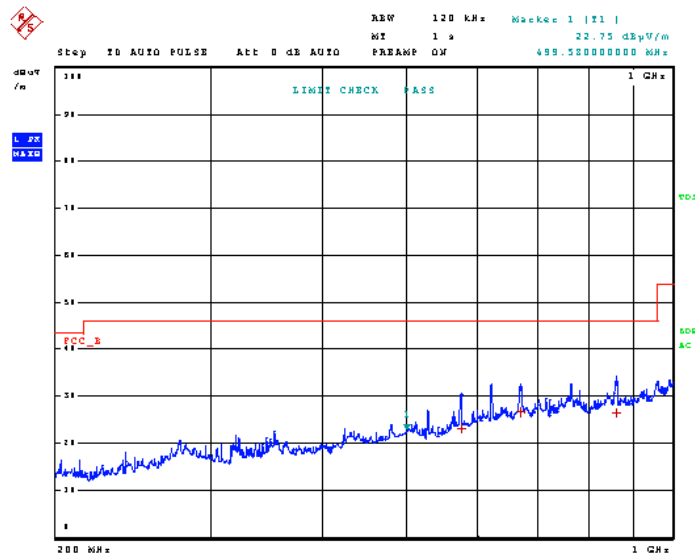
**Test Spec** CISPR 22 Radiated Disturbances

**Polarity**  
Horizontal

## Time Domain Scan (1 Range)

Scan Start: 200 MHz  
Scan Stop: 1 GHz  
Detector: Trace 1: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size | Res BW     | Meas Time  | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|------------|------------|----------|--------|--------|
| 200.000000 MHz  | 1.000000 GHz   | 30.00 kHz | 120.00 kHz | 50 $\mu$ s | Auto     | 20 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1



## RADIATED SPURIOUS EMISSIONS

**Test Data: Middle of Band 107.1MHz Field Strength Table, Vert. Polarity**

27.Nov 18 18:19

Test Spec CISPR 22 Radiated Disturbances

Polarity  
Horizontal

### Final Measurement

Meas Time: 1 s  
Margin: 20 dB  
Subranges: 3

| Trace | Frequency        | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|------------------|----------------|------------|----------------|
| 1     | 575.90000000 MHz | 23.01          | Quasi Peak | -22.99         |
| 1     | 671.57000000 MHz | 26.49          | Quasi Peak | -19.51         |
| 1     | 862.43000000 MHz | 26.43          | Quasi Peak | -19.57         |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

# RADIATED SPURIOUS EMISSIONS

Tuned to 511.9125 MHz, Scanned 200 MHz to 1 GHz

Test Data: Middle of Band 511.9125MHz Field Strength Plot, Horiz. Polarity



27.Nov 18 18:22

Test Spec CISPR 22 Radiated Disturbances

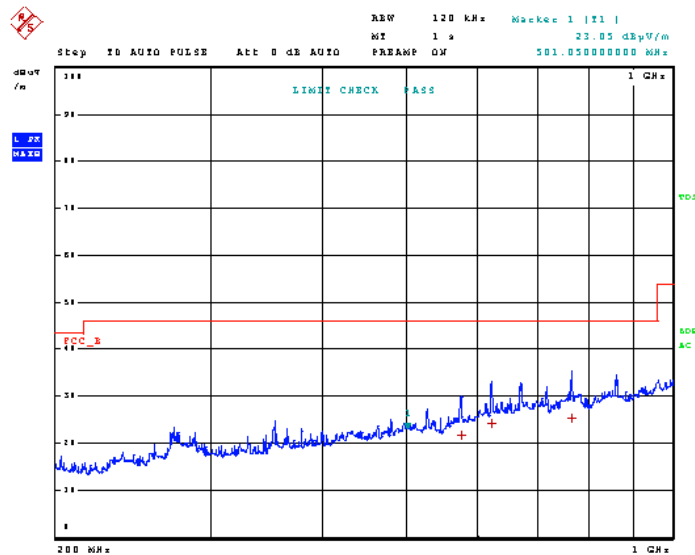
Polarity

Horizontal

## Time Domain Scan (1 Range)

Scan Start: 200 MHz  
Scan Stop: 1 GHz  
Detector: Trace 1: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size | Res BW     | Meas Time  | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|------------|------------|----------|--------|--------|
| 200.000000 MHz  | 1.000000 GHz   | 30.00 kHz | 120.00 kHz | 50 $\mu$ s | Auto     | 20 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## RADIATED SPURIOUS EMISSIONS

**Test Data: Middle of Band 511.9125MHz Field Strength Table, Horiz. Polarity**

27.Nov 18 18:22

Test Spec CISPR 22 Radiated Disturbances

Polarity  
Horizontal

### Final Measurement

Meas Time: 1 s  
Margin: 20 dB  
Subranges: 3

| Trace | Frequency         | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|-------------------|----------------|------------|----------------|
| 1     | 576.140000000 MHz | 21.70          | Quasi Peak | -24.30         |
| 1     | 623.900000000 MHz | 24.23          | Quasi Peak | -21.77         |
| 1     | 769.160000000 MHz | 25.24          | Quasi Peak | -20.76         |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

# RADIATED SPURIOUS EMISSIONS

**Test Data: Middle of Band 511.9125MHz Field Strength Plot, Vert. Polarity**



27.Nov 18 18:21

**Test Spec** CISPR 22 Radiated Disturbances

**Polarity**  
Horizontal

## Time Domain Scan (1 Range)

Scan Start: 200 MHz  
Scan Stop: 1 GHz  
Detector: Trace 1: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size | Res BW     | Meas Time  | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|------------|------------|----------|--------|--------|
| 200.000000 MHz  | 1.000000 GHz   | 30.00 kHz | 120.00 kHz | 50 $\mu$ s | Auto     | 20 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## RADIATED SPURIOUS EMISSIONS

**Test Data: Middle of Band 511.9125MHz Field Strength Table, Vert. Polarity**

27.Nov 18 18:21

Test Spec CISPR 22 Radiated Disturbances

Polarity  
Horizontal

### Final Measurement

Meas Time: 1 s  
Margin: 20 dB  
Subranges: 3

| Trace | Frequency         | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|-------------------|----------------|------------|----------------|
| 1     | 399.260000000 MHz | 17.48          | Quasi Peak | -28.52         |
| 1     | 672.860000000 MHz | 23.47          | Quasi Peak | -22.53         |
| 1     | 864.290000000 MHz | 30.62          | Quasi Peak | -15.38         |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 45 of 92

# RADIATED SPURIOUS EMISSIONS

Tuned to 954.9125 MHz, Scanned 200 MHz to 1 GHz

Test Data: High End of Band 954.9125 MHz Field Strength Plot, Horiz. Polarity



27.Nov 18 18:24

Test Spec CISPR 22 Radiated Disturbances

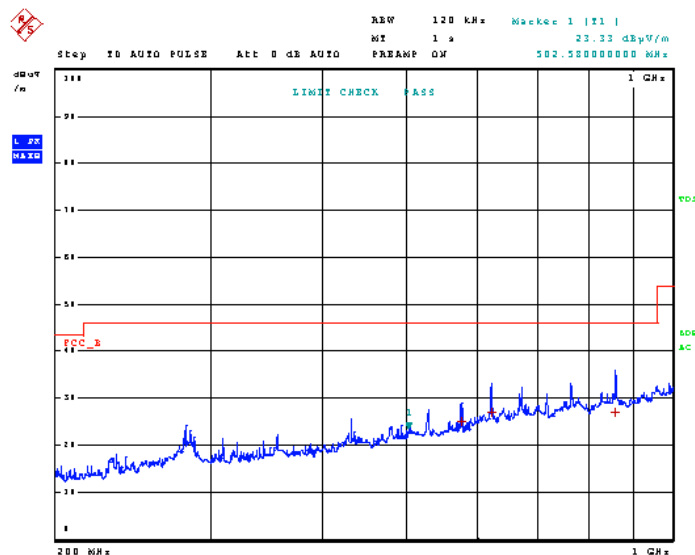
Polarity

Horizontal

## Time Domain Scan (1 Range)

Scan Start: 200 MHz  
Scan Stop: 1 GHz  
Detector: Trace 1: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size | Res BW     | Meas Time  | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|------------|------------|----------|--------|--------|
| 200.000000 MHz  | 1.000000 GHz   | 30.00 kHz | 120.00 kHz | 50 $\mu$ s | Auto     | 20 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 46 of 92

## RADIATED SPURIOUS EMISSIONS

**Test Data: High End of Band 954.9125 MHz Field Strength Table, Horiz. Polarity**

27.Nov 18 18:24

Test Spec CISPR 22 Radiated Disturbances

Polarity  
Horizontal

### Final Measurement

Meas Time: 1 s  
Margin: 20 dB  
Subranges: 3

| Trace | Frequency         | Level (dBµV/m) | Detector   | Delta Limit/dB |
|-------|-------------------|----------------|------------|----------------|
| 1     | 575.180000000 MHz | 25.05          | Quasi Peak | -20.95         |
| 1     | 623.060000000 MHz | 26.90          | Quasi Peak | -19.10         |
| 1     | 862.070000000 MHz | 26.92          | Quasi Peak | -19.08         |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

# RADIATED SPURIOUS EMISSIONS

**Test Data: High End of Band 954.9125 MHz Field Strength Plot, Vert. Polarity**



27.Nov 18 18:25

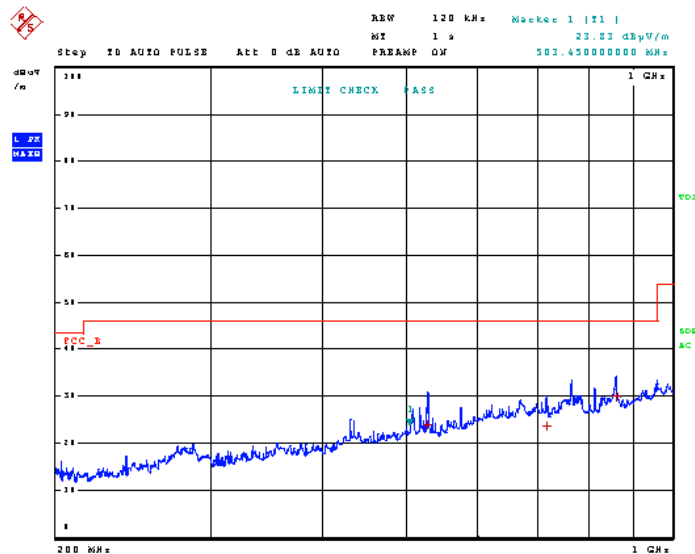
**Test Spec** CISPR 22 Radiated Disturbances

**Polarity**  
Horizontal

## Time Domain Scan (1 Range)

Scan Start: 200 MHz  
Scan Stop: 1 GHz  
Detector: Trace 1: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size | Res BW     | Meas Time  | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|------------|------------|----------|--------|--------|
| 200.000000 MHz  | 1.000000 GHz   | 30.00 kHz | 120.00 kHz | 50 $\mu$ s | Auto     | 20 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1



## RADIATED SPURIOUS EMISSIONS

**Test Data: High End of Band 954.9125 MHz Field Strength Table, Vert. Polarity**

27.Nov 18 18:25

Test Spec CISPR 22 Radiated Disturbances

Polarity  
Horizontal

### Final Measurement

Meas Time: 1 s  
Margin: 20 dB  
Subranges: 3

| Trace | Frequency        | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|------------------|----------------|------------|----------------|
| 1     | 527.24000000 MHz | 23.89          | Quasi Peak | -22.11         |
| 1     | 720.32000000 MHz | 23.65          | Quasi Peak | -22.35         |
| 1     | 862.91000000 MHz | 29.91          | Quasi Peak | -16.09         |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## RADIATED SPURIOUS EMISSIONS

### Scanning Receiver Function, Scanned 1GHz to 12.5 GHz

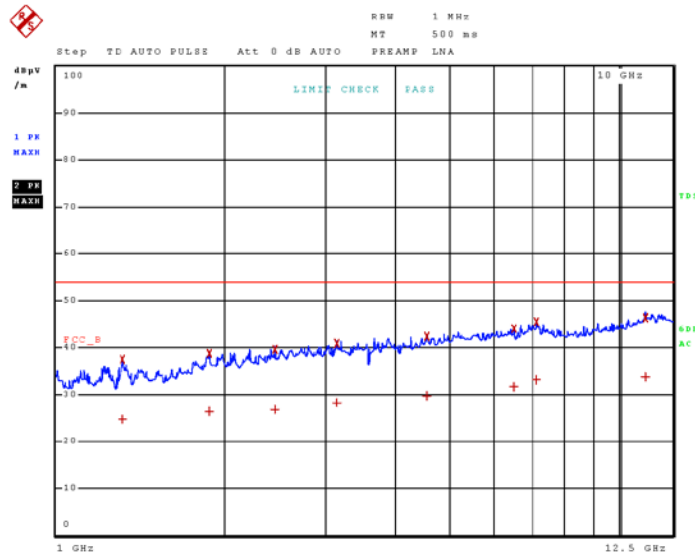
Test Data: Field Strength Plot, Horiz. Polarity

27.Nov 18 18:53

#### Time Domain Scan (1 Range)

Scan Start: 1 GHz  
Scan Stop: 12.5 GHz  
Detector: Trace 1: MAX PEAK Trace 2: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size  | Res BW   | Meas Time   | RF Atten | Preamp | Input  |
|-----------------|----------------|------------|----------|-------------|----------|--------|--------|
| 1.000000 GHz    | 12.500000 GHz  | 250.00 kHz | 1.00 MHz | 100 $\mu$ s | Auto     | 35 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 50 of 92

## RADIATED SPURIOUS EMISSIONS

**Test Data: Field Strength Table, Horiz. Polarity**

27.Nov 18 18:53

### Final Measurement

Meas Time: 500 ms  
Margin: 40 dB  
Subranges: 16

| Trace | Frequency        | Level (dBµV/m) | Detector     | Delta Limit/dB |
|-------|------------------|----------------|--------------|----------------|
| 1     | 1.313000000 GHz  | 24.61          | CISPR Averag | -29.39         |
| 2     | 1.313000000 GHz  | 37.43          | Max Peak     |                |
| 1     | 1.875500000 GHz  | 26.41          | CISPR Averag | -27.59         |
| 2     | 1.875500000 GHz  | 38.66          | Max Peak     |                |
| 1     | 2.442250000 GHz  | 26.82          | CISPR Averag | -27.18         |
| 2     | 2.442250000 GHz  | 39.55          | Max Peak     |                |
| 1     | 3.161500000 GHz  | 28.36          | CISPR Averag | -25.64         |
| 2     | 3.161500000 GHz  | 40.95          | Max Peak     |                |
| 1     | 4.553250000 GHz  | 29.79          | CISPR Averag | -24.21         |
| 2     | 4.553250000 GHz  | 42.40          | Max Peak     |                |
| 1     | 6.501500000 GHz  | 31.60          | CISPR Averag | -22.40         |
| 2     | 6.501500000 GHz  | 43.99          | Max Peak     |                |
| 1     | 7.148250000 GHz  | 33.09          | CISPR Averag | -20.91         |
| 2     | 7.148250000 GHz  | 45.50          | Max Peak     |                |
| 1     | 11.145750000 GHz | 33.70          | CISPR Averag | -20.30         |
| 2     | 11.145750000 GHz | 46.35          | Max Peak     |                |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 51 of 92

# RADIATED SPURIOUS EMISSIONS

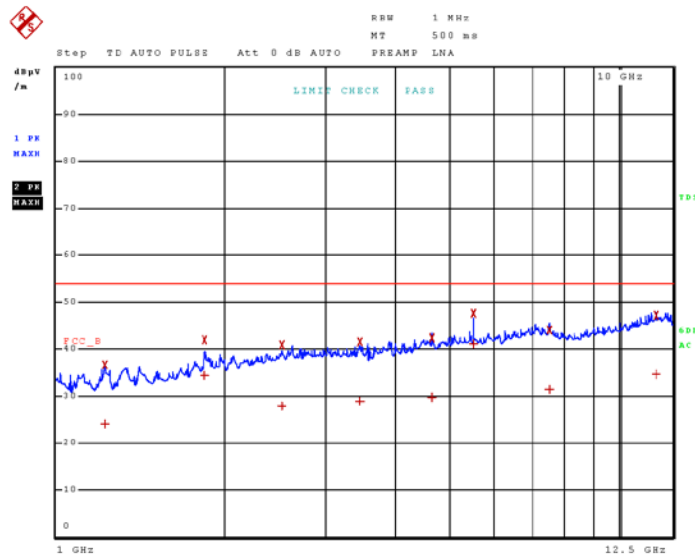
Test Data: Field Strength Plot, Vert. Polarity

27.Nov 18 18:54

## Time Domain Scan (1 Range)

Scan Start: 1 GHz  
Scan Stop: 12.5 GHz  
Detector: Trace 1: MAX PEAK Trace 2: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size  | Res BW   | Meas Time   | RF Atten | Preamp | Input  |
|-----------------|----------------|------------|----------|-------------|----------|--------|--------|
| 1.000000 GHz    | 12.500000 GHz  | 250.00 kHz | 1.00 MHz | 100 $\mu$ s | Auto     | 35 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 52 of 92

## RADIATED SPURIOUS EMISSIONS

**Test Data: Field Strength Table, Vert. Polarity**

27.Nov 18 18:54

### Final Measurement

Meas Time: 500 ms  
Margin: 40 dB  
Subranges: 16

| Trace | Frequency        | Level (dBμV/m) | Detector     | Delta Limit/dB |
|-------|------------------|----------------|--------------|----------------|
| 1     | 1.217750000 GHz  | 24.08          | CISPR Averag | -29.92         |
| 2     | 1.217750000 GHz  | 36.64          | Max Peak     |                |
| 1     | 1.838500000 GHz  | 34.29          | CISPR Averag | -19.71         |
| 2     | 1.838500000 GHz  | 41.88          | Max Peak     |                |
| 1     | 2.511500000 GHz  | 27.79          | CISPR Averag | -26.21         |
| 2     | 2.511500000 GHz  | 40.77          | Max Peak     |                |
| 1     | 3.469250000 GHz  | 28.78          | CISPR Averag | -25.22         |
| 2     | 3.469250000 GHz  | 41.53          | Max Peak     |                |
| 1     | 4.663500000 GHz  | 29.80          | CISPR Averag | -24.20         |
| 2     | 4.663500000 GHz  | 42.32          | Max Peak     |                |
| 1     | 5.515500000 GHz  | 41.06          | CISPR Averag | -12.94         |
| 2     | 5.515500000 GHz  | 47.57          | Max Peak     |                |
| 1     | 7.532750000 GHz  | 31.48          | CISPR Averag | -22.52         |
| 2     | 7.532750000 GHz  | 44.07          | Max Peak     |                |
| 1     | 11.658000000 GHz | 34.54          | CISPR Averag | -19.46         |
| 2     | 11.658000000 GHz | 47.24          | Max Peak     |                |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 53 of 92

# RADIATED SPURIOUS EMISSIONS

Tuned to 40.84 MHz, Scanned 1 GHz to 12.5 GHz

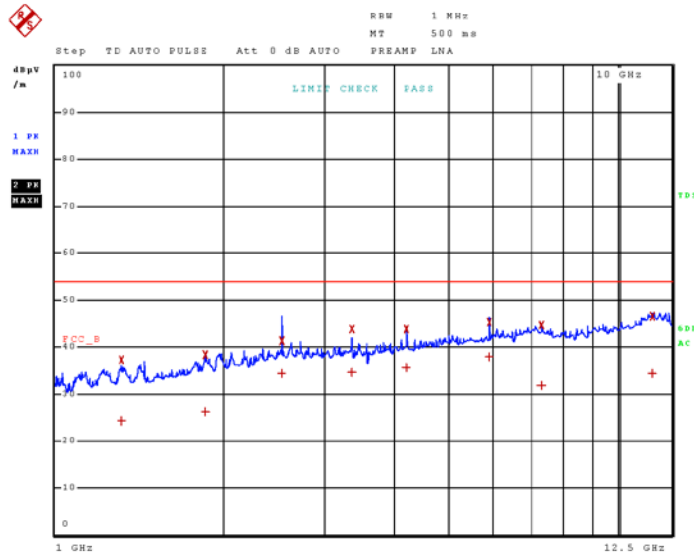
Test Data: Low End of Band 40.84 MHz Field Strength Plot, Horiz. Polarity

27.Nov 18 19:04

## Time Domain Scan (1 Range)

Scan Start: 1 GHz  
Scan Stop: 12.5 GHz  
Detector: Trace 1: MAX PEAK Trace 2: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size  | Res BW   | Meas Time   | RF Atten | Preamp | Input  |
|-----------------|----------------|------------|----------|-------------|----------|--------|--------|
| 1.000000 GHz    | 12.500000 GHz  | 250.00 kHz | 1.00 MHz | 100 $\mu$ s | Auto     | 35 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 54 of 92

## RADIATED SPURIOUS EMISSIONS

**Test Data: Low End of Band 40.84 MHz Field Strength Table, Horiz. Polarity**

27.Nov 18 19:04

### Final Measurement

Meas Time: 500 ms  
Margin: 40 dB  
Subranges: 16

| Trace | Frequency        | Level (dBμV/m) | Detector     | Delta Limit/dB |
|-------|------------------|----------------|--------------|----------------|
| 1     | 1.309750000 GHz  | 24.30          | CISPR Averag | -29.70         |
| 2     | 1.309750000 GHz  | 37.34          | Max Peak     |                |
| 1     | 1.853500000 GHz  | 26.14          | CISPR Averag | -27.86         |
| 2     | 1.853500000 GHz  | 38.44          | Max Peak     |                |
| 1     | 2.529500000 GHz  | 34.25          | CISPR Averag | -19.75         |
| 2     | 2.529500000 GHz  | 41.32          | Max Peak     |                |
| 1     | 3.372500000 GHz  | 34.51          | CISPR Averag | -19.49         |
| 2     | 3.372500000 GHz  | 43.85          | Max Peak     |                |
| 1     | 4.215750000 GHz  | 35.64          | CISPR Averag | -18.36         |
| 2     | 4.215750000 GHz  | 43.71          | Max Peak     |                |
| 1     | 5.902250000 GHz  | 38.00          | CISPR Averag | -16.00         |
| 2     | 5.902250000 GHz  | 45.34          | Max Peak     |                |
| 1     | 7.325750000 GHz  | 31.74          | CISPR Averag | -22.26         |
| 2     | 7.325750000 GHz  | 44.54          | Max Peak     |                |
| 1     | 11.512750000 GHz | 34.25          | CISPR Averag | -19.75         |
| 2     | 11.512750000 GHz | 46.51          | Max Peak     |                |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 55 of 92

## RADIATED SPURIOUS EMISSIONS

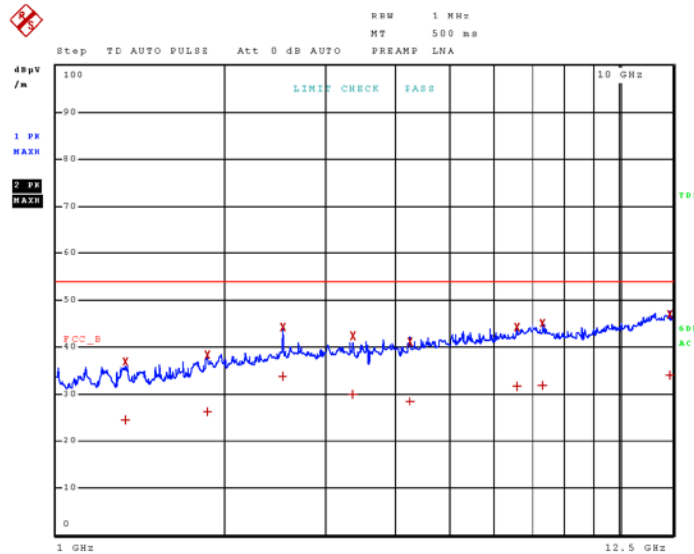
**Test Data: Low End of Band 40.84 MHz Field Strength Plot, Vert. Polarity**

27.Nov 18 19:05

### Time Domain Scan (1 Range)

Scan Start: 1 GHz  
Scan Stop: 12.5 GHz  
Detector: Trace 1: MAX PEAK Trace 2: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size  | Res BW   | Meas Time   | RF Atten | Preamp | Input  |
|-----------------|----------------|------------|----------|-------------|----------|--------|--------|
| 1.000000 GHz    | 12.500000 GHz  | 250.00 kHz | 1.00 MHz | 100 $\mu$ s | Auto     | 35 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 56 of 92



## RADIATED SPURIOUS EMISSIONS

**Test Data: Low End of Band 40.84 MHz Field Strength Table, Vert. Polarity**

27.Nov 18 19:05

### Final Measurement

Meas Time: 500 ms  
Margin: 40 dB  
Subranges: 16

| Trace | Frequency        | Level (dBμV/m) | Detector     | Delta Limit/dB |
|-------|------------------|----------------|--------------|----------------|
| 1     | 1.328000000 GHz  | 24.38          | CISPR Averag | -29.62         |
| 2     | 1.328000000 GHz  | 36.84          | Max Peak     |                |
| 1     | 1.853750000 GHz  | 26.14          | CISPR Averag | -27.86         |
| 2     | 1.853750000 GHz  | 38.42          | Max Peak     |                |
| 1     | 2.529500000 GHz  | 33.69          | CISPR Averag | -20.31         |
| 2     | 2.529500000 GHz  | 44.15          | Max Peak     |                |
| 1     | 3.372750000 GHz  | 29.98          | CISPR Averag | -24.02         |
| 2     | 3.372750000 GHz  | 42.28          | Max Peak     |                |
| 1     | 4.266000000 GHz  | 28.38          | CISPR Averag | -25.62         |
| 2     | 4.266000000 GHz  | 41.11          | Max Peak     |                |
| 1     | 6.597250000 GHz  | 31.55          | CISPR Averag | -22.45         |
| 2     | 6.597250000 GHz  | 44.28          | Max Peak     |                |
| 1     | 7.328500000 GHz  | 31.91          | CISPR Averag | -22.09         |
| 2     | 7.328500000 GHz  | 45.13          | Max Peak     |                |
| 1     | 12.358500000 GHz | 33.89          | CISPR Averag | -20.11         |
| 2     | 12.358500000 GHz | 47.03          | Max Peak     |                |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 57 of 92

## RADIATED SPURIOUS EMISSIONS

**Tuned to 107.1 MHz, Scanned 1 GHz to 12.5 GHz**

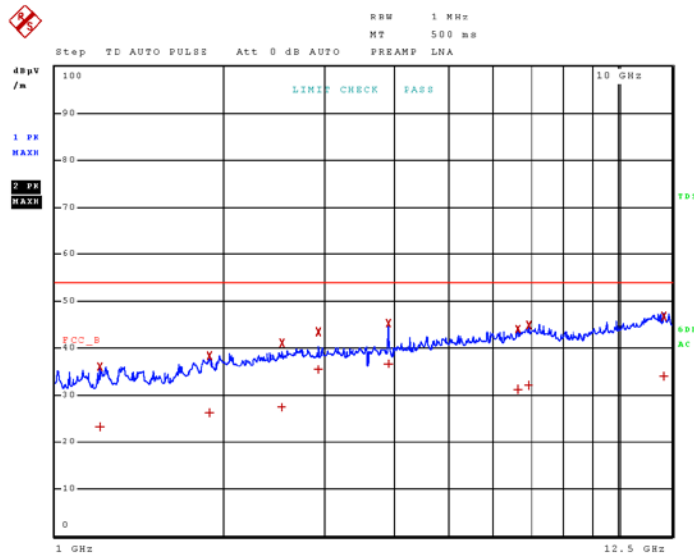
**Test Data: Middle of Band 107.1MHz Field Strength Plot, Horiz. Polarity**

27.Nov 18 19:03

### Time Domain Scan (1 Range)

Scan Start: 1 GHz  
Scan Stop: 12.5 GHz  
Detector: Trace 1: MAX PEAK Trace 2: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size  | Res BW   | Meas Time   | RF Atten | Preamp | Input  |
|-----------------|----------------|------------|----------|-------------|----------|--------|--------|
| 1.000000 GHz    | 12.500000 GHz  | 250.00 kHz | 1.00 MHz | 100 $\mu$ s | Auto     | 35 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## RADIATED SPURIOUS EMISSIONS

**Test Data: Middle of Band 107.1MHz Field Strength Table, Horiz. Polarity**

27.Nov 18 19:03

### Final Measurement

Meas Time: 500 ms  
Margin: 40 dB  
Subranges: 16

| Trace | Frequency        | Level (dBμV/m) | Detector     | Delta Limit/dB |
|-------|------------------|----------------|--------------|----------------|
| 1     | 1.200250000 GHz  | 23.20          | CISPR Averag | -30.80         |
| 2     | 1.200250000 GHz  | 36.06          | Max Peak     |                |
| 1     | 1.879250000 GHz  | 26.14          | CISPR Averag | -27.86         |
| 2     | 1.879250000 GHz  | 38.43          | Max Peak     |                |
| 1     | 2.527000000 GHz  | 27.48          | CISPR Averag | -26.52         |
| 2     | 2.527000000 GHz  | 41.08          | Max Peak     |                |
| 1     | 2.929500000 GHz  | 35.49          | CISPR Averag | -18.51         |
| 2     | 2.929500000 GHz  | 43.41          | Max Peak     |                |
| 1     | 3.906000000 GHz  | 36.72          | CISPR Averag | -17.28         |
| 2     | 3.906000000 GHz  | 45.24          | Max Peak     |                |
| 1     | 6.640000000 GHz  | 31.20          | CISPR Averag | -22.80         |
| 2     | 6.640000000 GHz  | 44.07          | Max Peak     |                |
| 1     | 6.942000000 GHz  | 31.99          | CISPR Averag | -22.01         |
| 2     | 6.942000000 GHz  | 44.89          | Max Peak     |                |
| 1     | 12.125250000 GHz | 33.86          | CISPR Averag | -20.14         |
| 2     | 12.125250000 GHz | 46.69          | Max Peak     |                |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 59 of 92

## RADIATED SPURIOUS EMISSIONS

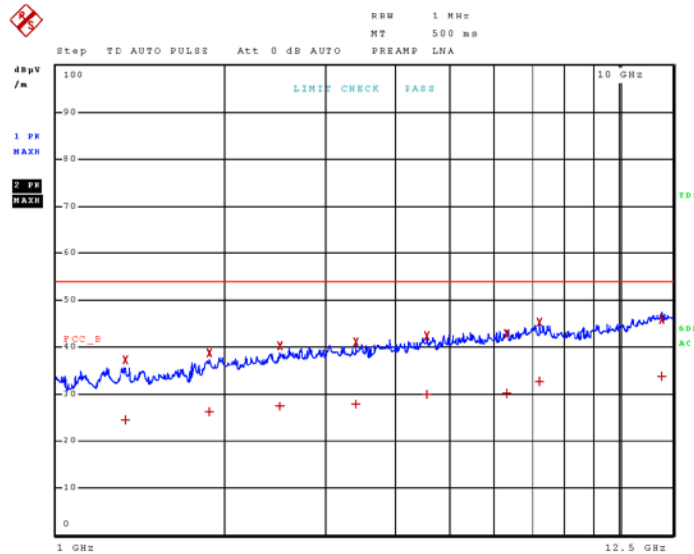
**Test Data: Middle of Band 107.1MHz Field Strength Plot, Vert. Polarity**

27.Nov 18 19:02

### Time Domain Scan (1 Range)

Scan Start: 1 GHz  
Scan Stop: 12.5 GHz  
Detector: Trace 1: MAX PEAK Trace 2: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size  | Res BW   | Meas Time   | RF Atten | Preamp | Input  |
|-----------------|----------------|------------|----------|-------------|----------|--------|--------|
| 1.000000 GHz    | 12.500000 GHz  | 250.00 kHz | 1.00 MHz | 100 $\mu$ s | Auto     | 35 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 60 of 92

## RADIATED SPURIOUS EMISSIONS

**Test Data: Middle of Band 107.1 MHz Field Strength Table, Vert. Polarity**

27.Nov 18 19:02

### Final Measurement

Meas Time: 500 ms  
Margin: 40 dB  
Subranges: 16

| Trace | Frequency        | Level (dBµV/m) | Detector     | Delta Limit/dB |
|-------|------------------|----------------|--------------|----------------|
| 1     | 1.326250000 GHz  | 24.50          | CISPR Averag | -29.50         |
| 2     | 1.326250000 GHz  | 37.35          | Max Peak     |                |
| 1     | 1.875250000 GHz  | 26.21          | CISPR Averag | -27.79         |
| 2     | 1.875250000 GHz  | 38.75          | Max Peak     |                |
| 1     | 2.499250000 GHz  | 27.42          | CISPR Averag | -26.58         |
| 2     | 2.499250000 GHz  | 40.17          | Max Peak     |                |
| 1     | 3.404250000 GHz  | 27.78          | CISPR Averag | -26.22         |
| 2     | 3.404250000 GHz  | 41.06          | Max Peak     |                |
| 1     | 4.558000000 GHz  | 29.91          | CISPR Averag | -24.09         |
| 2     | 4.558000000 GHz  | 42.29          | Max Peak     |                |
| 1     | 6.342750000 GHz  | 30.15          | CISPR Averag | -23.85         |
| 2     | 6.342750000 GHz  | 42.72          | Max Peak     |                |
| 1     | 7.247750000 GHz  | 32.59          | CISPR Averag | -21.41         |
| 2     | 7.247750000 GHz  | 45.28          | Max Peak     |                |
| 1     | 11.933750000 GHz | 33.76          | CISPR Averag | -20.24         |
| 2     | 11.933750000 GHz | 45.85          | Max Peak     |                |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 61 of 92

## RADIATED SPURIOUS EMISSIONS

Tuned to 511.9125 MHz, Scanned 1 GHz to 12.5 GHz

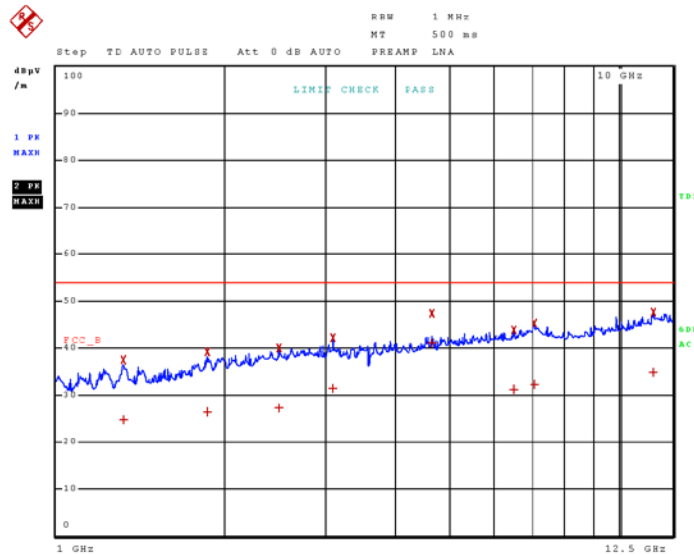
Test Data: Middle of Band 511.9125 MHz Field Strength Plot, Horiz. Polarity

27.Nov 18 18:58

### Time Domain Scan (1 Range)

Scan Start: 1 GHz  
Scan Stop: 12.5 GHz  
Detector: Trace 1: MAX PEAK Trace 2: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size  | Res BW   | Meas Time   | RF Atten | Preamp | Input  |
|-----------------|----------------|------------|----------|-------------|----------|--------|--------|
| 1.000000 GHz    | 12.500000 GHz  | 250.00 kHz | 1.00 MHz | 100 $\mu$ s | Auto     | 35 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 62 of 92

## RADIATED SPURIOUS EMISSIONS

**Test Data: Middle of Band 511.9125 MHz Field Strength Table, Horiz. Polarity**

27.Nov 18 18:58

### Final Measurement

Meas Time: 500 ms  
Margin: 40 dB  
Subranges: 16

| Trace | Frequency        | Level (dBμV/m) | Detector     | Delta Limit/dB |
|-------|------------------|----------------|--------------|----------------|
| 1     | 1.314750000 GHz  | 24.60          | CISPR Averag | -29.40         |
| 2     | 1.314750000 GHz  | 37.40          | Max Peak     |                |
| 1     | 1.855500000 GHz  | 26.34          | CISPR Averag | -27.66         |
| 2     | 1.855500000 GHz  | 39.20          | Max Peak     |                |
| 1     | 2.490750000 GHz  | 27.24          | CISPR Averag | -26.76         |
| 2     | 2.490750000 GHz  | 40.10          | Max Peak     |                |
| 1     | 3.109750000 GHz  | 31.45          | CISPR Averag | -22.55         |
| 2     | 3.109750000 GHz  | 42.15          | Max Peak     |                |
| 1     | 4.664750000 GHz  | 40.99          | CISPR Averag | -13.01         |
| 2     | 4.664750000 GHz  | 47.46          | Max Peak     |                |
| 1     | 6.515250000 GHz  | 31.28          | CISPR Averag | -22.72         |
| 2     | 6.515250000 GHz  | 43.75          | Max Peak     |                |
| 1     | 7.082000000 GHz  | 32.15          | CISPR Averag | -21.85         |
| 2     | 7.082000000 GHz  | 45.25          | Max Peak     |                |
| 1     | 11.526000000 GHz | 34.80          | CISPR Averag | -19.20         |
| 2     | 11.526000000 GHz | 47.63          | Max Peak     |                |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 63 of 92

## RADIATED SPURIOUS EMISSIONS

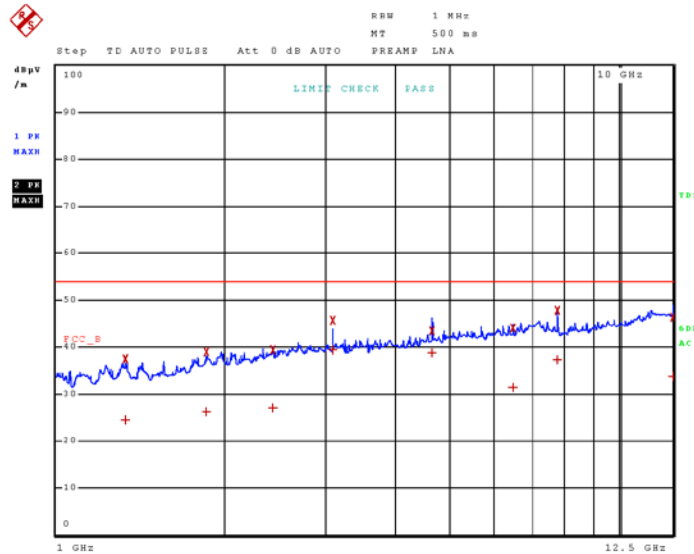
**Test Data: Middle of Band 511.9125 MHz Field Strength Plot, Vert. Polarity**

27.Nov 18 19:00

### Time Domain Scan (1 Range)

Scan Start: 1 GHz  
Scan Stop: 12.5 GHz  
Detector: Trace 1: MAX PEAK Trace 2: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size  | Res BW   | Meas Time   | RF Atten | Preamp | Input  |
|-----------------|----------------|------------|----------|-------------|----------|--------|--------|
| 1.000000 GHz    | 12.500000 GHz  | 250.00 kHz | 1.00 MHz | 100 $\mu$ s | Auto     | 35 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 64 of 92



## RADIATED SPURIOUS EMISSIONS

**Test Data: Middle of Band 511.9125 MHz Field Strength Table, Vert. Polarity**

27.Nov 18 19:00

### Final Measurement

Meas Time: 500 ms  
Margin: 40 dB  
Subranges: 16

| Trace | Frequency        | Level (dBμV/m) | Detector     | Delta Limit/dB |
|-------|------------------|----------------|--------------|----------------|
| 1     | 1.325750000 GHz  | 24.47          | CISPR Averag | -29.53         |
| 2     | 1.325750000 GHz  | 37.56          | Max Peak     |                |
| 1     | 1.853250000 GHz  | 26.17          | CISPR Averag | -27.83         |
| 2     | 1.853250000 GHz  | 39.01          | Max Peak     |                |
| 1     | 2.430250000 GHz  | 26.93          | CISPR Averag | -27.07         |
| 2     | 2.430250000 GHz  | 39.30          | Max Peak     |                |
| 1     | 3.110000000 GHz  | 39.32          | CISPR Averag | -14.68         |
| 2     | 3.110000000 GHz  | 45.61          | Max Peak     |                |
| 1     | 4.664750000 GHz  | 38.73          | CISPR Averag | -15.27         |
| 2     | 4.664750000 GHz  | 43.39          | Max Peak     |                |
| 1     | 6.485750000 GHz  | 31.35          | CISPR Averag | -22.65         |
| 2     | 6.485750000 GHz  | 43.98          | Max Peak     |                |
| 1     | 7.774500000 GHz  | 37.24          | CISPR Averag | -16.76         |
| 2     | 7.774500000 GHz  | 47.74          | Max Peak     |                |
| 1     | 12.498000000 GHz | 33.76          | CISPR Averag | -20.24         |
| 2     | 12.498000000 GHz | 46.36          | Max Peak     |                |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 65 of 92

# RADIATED SPURIOUS EMISSIONS

Tuned to 954.9125 MHz, Scanned 1 GHz to 12.5 GHz

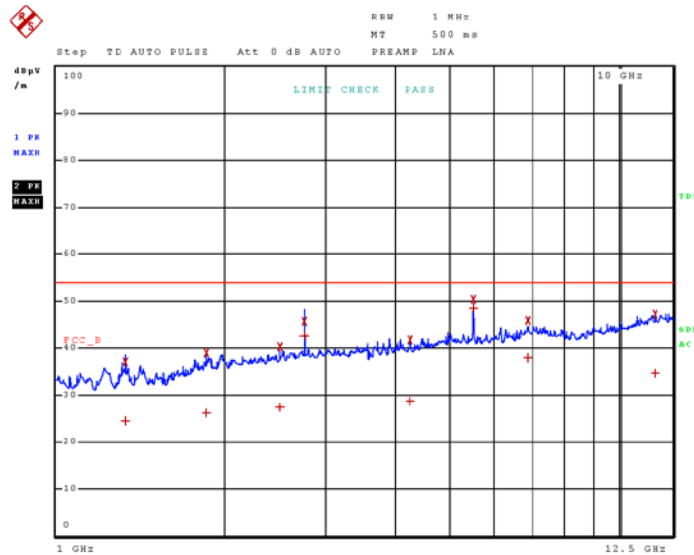
Test Data: High End of Band 954.9125 MHz Field Strength Plot, Horiz. Polarity

27.Nov 18 18:57

## Time Domain Scan (1 Range)

Scan Start: 1 GHz  
Scan Stop: 12.5 GHz  
Detector: Trace 1: MAX PEAK Trace 2: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size  | Res BW   | Meas Time   | RF Atten | Preamp | Input  |
|-----------------|----------------|------------|----------|-------------|----------|--------|--------|
| 1.000000 GHz    | 12.500000 GHz  | 250.00 kHz | 1.00 MHz | 100 $\mu$ s | Auto     | 35 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## RADIATED SPURIOUS EMISSIONS

**Test Data: High End of Band 954.9125 MHz Field Strength Table, Horiz. Polarity**

27.Nov 18 18:57

### Final Measurement

Meas Time: 500 ms  
Margin: 40 dB  
Subranges: 16

| Trace | Frequency        | Level (dBμV/m) | Detector     | Delta Limit/dB |
|-------|------------------|----------------|--------------|----------------|
| 1     | 1.329500000 GHz  | 24.46          | CISPR Averag | -29.54         |
| 2     | 1.329500000 GHz  | 37.15          | Max Peak     |                |
| 1     | 1.852750000 GHz  | 26.20          | CISPR Averag | -27.80         |
| 2     | 1.852750000 GHz  | 39.06          | Max Peak     |                |
| 1     | 2.499500000 GHz  | 27.51          | CISPR Averag | -26.49         |
| 2     | 2.499500000 GHz  | 40.22          | Max Peak     |                |
| 1     | 2.757500000 GHz  | 42.61          | CISPR Averag | -11.39         |
| 2     | 2.757500000 GHz  | 45.79          | Max Peak     |                |
| 1     | 4.253500000 GHz  | 28.74          | CISPR Averag | -25.26         |
| 2     | 4.253500000 GHz  | 41.66          | Max Peak     |                |
| 1     | 5.515000000 GHz  | 48.44          | CISPR Averag | -5.56          |
| 2     | 5.515000000 GHz  | 50.36          | Max Peak     |                |
| 1     | 6.893500000 GHz  | 37.90          | CISPR Averag | -16.10         |
| 2     | 6.893500000 GHz  | 45.98          | Max Peak     |                |
| 1     | 11.620500000 GHz | 34.63          | CISPR Averag | -19.37         |
| 2     | 11.620500000 GHz | 47.17          | Max Peak     |                |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 67 of 92

## RADIATED SPURIOUS EMISSIONS

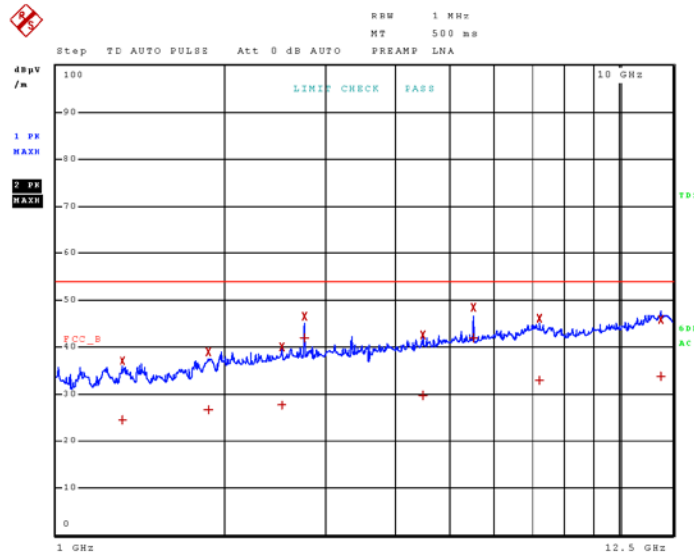
**Test Data: High End of Band 954.9125 MHz Field Strength Plot, Vert. Polarity**

27.Nov 18 18:56

### Time Domain Scan (1 Range)

Scan Start: 1 GHz  
Scan Stop: 12.5 GHz  
Detector: Trace 1: MAX PEAK Trace 2: MAX PEAK  
Transducer: TDS\_01

| Start Frequency | Stop Frequency | Step Size  | Res BW   | Meas Time   | RF Atten | Preamp | Input  |
|-----------------|----------------|------------|----------|-------------|----------|--------|--------|
| 1.000000 GHz    | 12.500000 GHz  | 250.00 kHz | 1.00 MHz | 100 $\mu$ s | Auto     | 35 dB  | INPUT1 |



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 68 of 92

## RADIATED SPURIOUS EMISSIONS

**Test Data: High End of Band 954.9125 MHz Field Strength Table, Vert. Polarity**

27.Nov 18 18:56

### Final Measurement

Meas Time: 500 ms  
Margin: 40 dB  
Subranges: 16

| Trace | Frequency        | Level (dBμV/m) | Detector     | Delta Limit/dB |
|-------|------------------|----------------|--------------|----------------|
| 1     | 1.311000000 GHz  | 24.45          | CISPR Averag | -29.55         |
| 2     | 1.311000000 GHz  | 37.13          | Max Peak     |                |
| 1     | 1.867500000 GHz  | 26.51          | CISPR Averag | -27.49         |
| 2     | 1.867500000 GHz  | 38.88          | Max Peak     |                |
| 1     | 2.516750000 GHz  | 27.72          | CISPR Averag | -26.28         |
| 2     | 2.516750000 GHz  | 39.95          | Max Peak     |                |
| 1     | 2.757500000 GHz  | 41.85          | CISPR Averag | -12.15         |
| 2     | 2.757500000 GHz  | 46.55          | Max Peak     |                |
| 1     | 4.485250000 GHz  | 29.75          | CISPR Averag | -24.25         |
| 2     | 4.485250000 GHz  | 42.52          | Max Peak     |                |
| 1     | 5.515000000 GHz  | 41.84          | CISPR Averag | -12.16         |
| 2     | 5.515000000 GHz  | 48.38          | Max Peak     |                |
| 1     | 7.249500000 GHz  | 32.79          | CISPR Averag | -21.21         |
| 2     | 7.249500000 GHz  | 46.04          | Max Peak     |                |
| 1     | 11.892000000 GHz | 33.80          | CISPR Averag | -20.20         |
| 2     | 11.892000000 GHz | 45.92          | Max Peak     |                |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

Page 69 of 92

## RADIATED SPURIOUS EMISSIONS

### ANTENNA CONDUCTED POWER

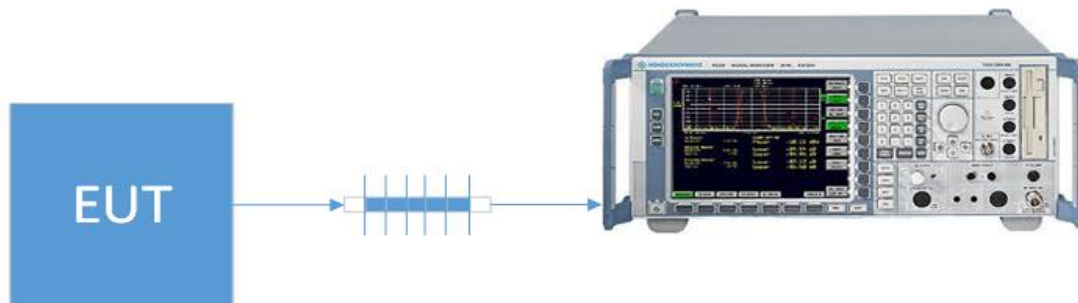
**Rule Part No.:** FCC Part 15 Subpart B, RSS-GEN

**Requirements:** FCC Part 15.111(a) Antenna power conduction limits for receivers  
In addition to the radiated emission limits. Receivers that operate (tune) in the frequency range 30 to 960 MHz and CB receivers that provide terminals for the connection of an external receiving antenna may be tested to demonstrate compliance with the provisions of §15.109 with the antenna terminals shielded and terminated with a resistive termination equal to the impedance specified for the antenna. Provided these receivers also comply with the following: With the receiver antenna terminal connected to a resistive termination equal to the impedance specified or employed for the antenna, the power at the antenna terminal at any frequency within the range of measurements specified in §15.33 shall not exceed 2.0 nanowatts.

**Procedure:** FCC Part 15.33(b)(3) Frequency range of radiated measurements  
FCC Part 15.35(a) Measurement detector functions and bandwidths  
ANSI C63.4 Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment 9 kHz to 40 GHz  
§ 12.2.2 Operating conditions  
§ 12.2.6 Antenna-conducted power measurements

**Configuration:** The scanner receiver spurious emissions are to be measured when the receiver is in the scanning mode and repeated when the scanning is stopped.

**Setup:**



**Results:** N/A

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## POWER LINE CONDUCTED INTERFERENCE

**Rules Part No.:** Part 15.107, RSS-GEN

### Requirements:

| Frequency<br>(MHz)                     | Quasi Peak Limits<br>(dB $\mu$ V) | Average Limits<br>(dB $\mu$ V) |
|----------------------------------------|-----------------------------------|--------------------------------|
| 0.15 – 0.5                             | 66 – 56 *                         | 56 – 46 *                      |
| 0.5 – 5.0                              | 56                                | 46                             |
| 5.0 – 30                               | 60                                | 50                             |
| * Decrease with logarithm of frequency |                                   |                                |

**Test Data:** The following plots represent the emissions for power line conducted. Both lines were observed. 120 Volts AC 60 Hz supply voltage was used for all tests

## POWER LINE CONDUCTED INTERFERENCE

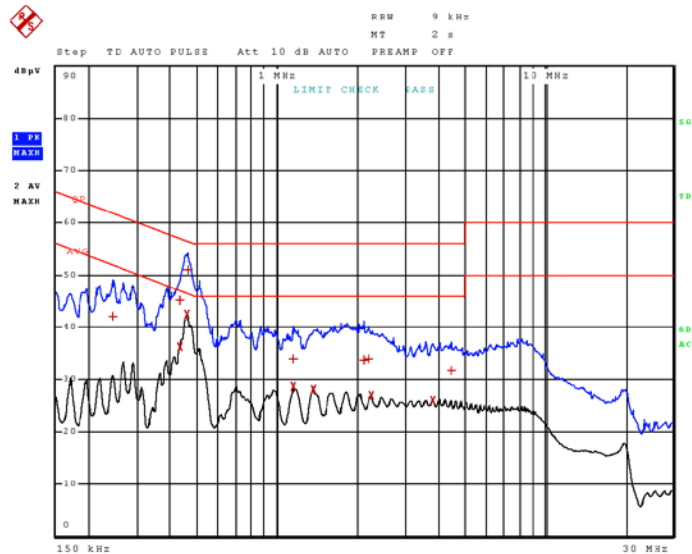
Test Data: Scanning, Line 1 Peak Plot

27.Nov 18 19:09

### Time Domain Scan (1 Range)

Scan Start: 150 kHz  
Scan Stop: 30 MHz  
Detector: Trace 1: MAX PEAK Trace 2: Average  
Transducer: tdf\_20

| Start Frequency | Stop Frequency | Step Size | Res BW   | Meas Time | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|----------|-----------|----------|--------|--------|
| 150.000000 kHz  | 30.000000 MHz  | 2.25 kHz  | 9.00 kHz | 500 ms    | Auto     | 0 dB   | INPUT2 |



Page 1 of 2

## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1



## POWER LINE CONDUCTED INTERFERENCE

### Test Data: Scanning, Line 1 Peak Plot Table

27.Nov 18 19:09

#### Final Measurement

Meas Time: 2 s  
Margin: 20 dB  
Subranges: 13

| Trace | Frequency         | Level (dBµV) | Detector   | Delta Limit/dB |
|-------|-------------------|--------------|------------|----------------|
| 1     | 242.250000000 kHz | 42.09        | Quasi Peak | -19.93         |
| 1     | 431.250000000 kHz | 45.01        | Quasi Peak | -12.22         |
| 2     | 431.250000000 kHz | 36.28        | Average    | -10.95         |
| 2     | 458.250000000 kHz | 42.41        | Average    | -4.31          |
| 1     | 460.500000000 kHz | 50.92        | Quasi Peak | -5.76          |
| 1     | 1.151250000 MHz   | 34.01        | Quasi Peak | -21.99         |
| 2     | 1.153500000 MHz   | 28.63        | Average    | -17.37         |
| 2     | 1.358250000 MHz   | 27.99        | Average    | -18.01         |
| 1     | 2.098500000 MHz   | 33.81        | Quasi Peak | -22.19         |
| 1     | 2.186250000 MHz   | 33.85        | Quasi Peak | -22.15         |
| 2     | 2.244750000 MHz   | 26.97        | Average    | -19.03         |
| 2     | 3.813000000 MHz   | 26.05        | Average    | -19.95         |
| 1     | 4.467750000 MHz   | 31.76        | Quasi Peak | -24.24         |

#### Transducer Table

Name: tdf\_20  
Interpolation: LIN  
Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

| Frequency  | Factor (dB) |
|------------|-------------|
| 150.00 kHz | 0.19        |
| 170.00 kHz | 0.17        |
| 200.00 kHz | 0.16        |
| 250.00 kHz | 0.13        |
| 300.00 kHz | 0.12        |
| 350.00 kHz | 0.12        |
| 400.00 kHz | 0.11        |
| 500.00 kHz | 0.12        |
| 600.00 kHz | 0.12        |
| 700.00 kHz | 0.11        |
| 800.00 kHz | 0.13        |
| 900.00 kHz | 0.12        |
| 1.00 MHz   | 0.21        |
| 1.20 MHz   | 0.22        |
| 1.50 MHz   | 0.28        |
| 2.00 MHz   | 0.37        |
| 2.50 MHz   | 0.41        |
| 3.00 MHz   | 0.59        |
| 4.00 MHz   | 0.40        |
| 5.00 MHz   | 0.47        |
| 7.00 MHz   | 0.63        |
| 10.00 MHz  | 0.88        |
| 15.00 MHz  | 1.08        |
| 20.00 MHz  | 1.01        |
| 30.00 MHz  | 1.80        |

Page 2 of 2

## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## POWER LINE CONDUCTED INTERFERENCE

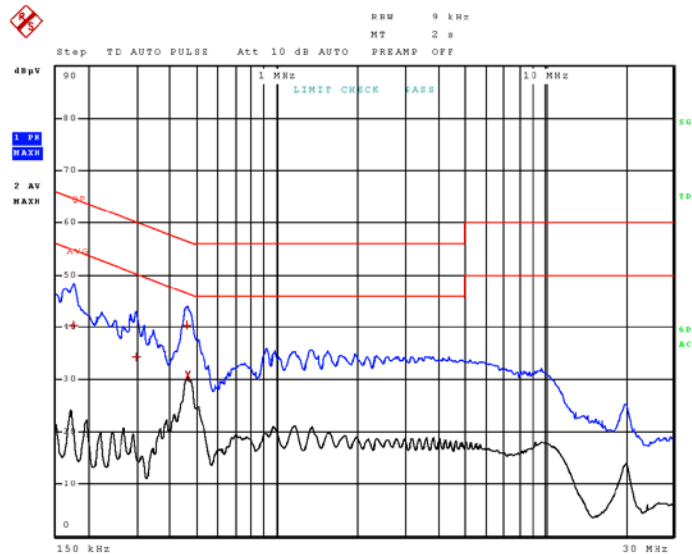
Test Data: Scanning, Line 2 Peak Plot

27.Nov 18 19:14

### Time Domain Scan (1 Range)

Scan Start: 150 kHz  
Scan Stop: 30 MHz  
Detector: Trace 1: MAX PEAK Trace 2: Average  
Transducer: tdf\_20

| Start Frequency | Stop Frequency | Step Size | Res BW   | Meas Time | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|----------|-----------|----------|--------|--------|
| 150.000000 kHz  | 30.000000 MHz  | 2.25 kHz  | 9.00 kHz | 500 ms    | Auto     | 0 dB   | INPUT2 |



### Final Measurement

Meas Time: 2 s  
Margin: 20 dB  
Subranges: 4

| Trace | Frequency        | Level (dBμV) | Detector   | Delta Limit/dB |
|-------|------------------|--------------|------------|----------------|
| 1     | 172.50000000 kHz | 40.43        | Quasi Peak | -24.41         |
| 1     | 296.25000000 kHz | 34.23        | Quasi Peak | -26.12         |
| 1     | 458.25000000 kHz | 40.45        | Quasi Peak | -16.28         |
| 2     | 460.50000000 kHz | 30.67        | Average    | -16.01         |

Page 1 of 2

## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## POWER LINE CONDUCTED INTERFERENCE

### Test Data: Scanning, Line 2 Peak Plot Table

27.Nov 18 19:14

#### Transducer Table

Name: tdf\_20  
Interpolation: LIN  
Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

| Frequency  | Factor (dB) |
|------------|-------------|
| 150.00 kHz | 0.19        |
| 170.00 kHz | 0.17        |
| 200.00 kHz | 0.16        |
| 250.00 kHz | 0.13        |
| 300.00 kHz | 0.12        |
| 350.00 kHz | 0.12        |
| 400.00 kHz | 0.11        |
| 500.00 kHz | 0.12        |
| 600.00 kHz | 0.12        |
| 700.00 kHz | 0.11        |
| 800.00 kHz | 0.13        |
| 900.00 kHz | 0.12        |
| 1.00 MHz   | 0.21        |
| 1.20 MHz   | 0.22        |
| 1.50 MHz   | 0.20        |
| 2.00 MHz   | 0.37        |
| 2.50 MHz   | 0.41        |
| 3.00 MHz   | 0.59        |
| 4.00 MHz   | 0.40        |
| 5.00 MHz   | 0.47        |
| 7.00 MHz   | 0.63        |
| 10.00 MHz  | 0.88        |
| 15.00 MHz  | 1.08        |
| 20.00 MHz  | 1.01        |
| 30.00 MHz  | 1.80        |

Page 2 of 2

### Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## POWER LINE CONDUCTED INTERFERENCE

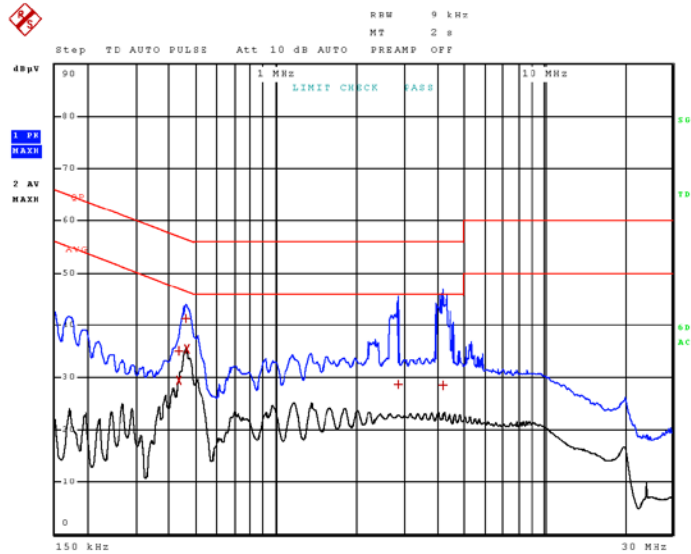
**Test Data: Tuned to 40.84 MHz, Line 1 Peak Plot**

27.Nov 18 19:32

### Time Domain Scan (1 Range)

Scan Start: 150 kHz  
Scan Stop: 30 MHz  
Detector: Trace 1: MAX PEAK Trace 2: Average  
Transducer: tdf\_20

| Start Frequency | Stop Frequency | Step Size | Res BW   | Meas Time | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|----------|-----------|----------|--------|--------|
| 150.000000 kHz  | 30.000000 MHz  | 2.25 kHz  | 9.00 kHz | 500 ms    | Auto     | 0 dB   | INPUT2 |



### Final Measurement

Meas Time: 2 s  
Margin: 20 dB  
Subranges: 6

| Trace | Frequency        | Level (dBμV) | Detector   | Delta Limit/dB |
|-------|------------------|--------------|------------|----------------|
| 1     | 431.25000000 kHz | 35.05        | Quasi Peak | -22.18         |
| 2     | 431.25000000 kHz | 29.44        | Average    | -17.79         |
| 1     | 458.25000000 kHz | 41.27        | Quasi Peak | -15.45         |
| 2     | 460.50000000 kHz | 35.53        | Average    | -11.15         |
| 1     | 2.863500000 MHz  | 28.62        | Quasi Peak | -27.38         |
| 1     | 4.182000000 MHz  | 28.41        | Quasi Peak | -27.59         |

Page 1 of 2

## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## POWER LINE CONDUCTED INTERFERENCE

**Test Data: Tuned to 40.84 MHz, Line 1 Peak Plot Table**

27.Nov 18 19:32

### Transducer Table

Name: tdf\_20  
Interpolation: LIN  
Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

| Frequency  | Factor (dB) |
|------------|-------------|
| 150.00 kHz | 0.19        |
| 170.00 kHz | 0.17        |
| 200.00 kHz | 0.16        |
| 250.00 kHz | 0.13        |
| 300.00 kHz | 0.12        |
| 350.00 kHz | 0.12        |
| 400.00 kHz | 0.11        |
| 500.00 kHz | 0.12        |
| 600.00 kHz | 0.12        |
| 700.00 kHz | 0.11        |
| 800.00 kHz | 0.13        |
| 900.00 kHz | 0.12        |
| 1.00 MHz   | 0.21        |
| 1.20 MHz   | 0.22        |
| 1.50 MHz   | 0.26        |
| 2.00 MHz   | 0.37        |
| 2.50 MHz   | 0.41        |
| 3.00 MHz   | 0.59        |
| 4.00 MHz   | 0.40        |
| 5.00 MHz   | 0.47        |
| 7.00 MHz   | 0.63        |
| 10.00 MHz  | 0.88        |
| 15.00 MHz  | 1.08        |
| 20.00 MHz  | 1.01        |
| 30.00 MHz  | 1.80        |

Page 2 of 2

## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## POWER LINE CONDUCTED INTERFERENCE

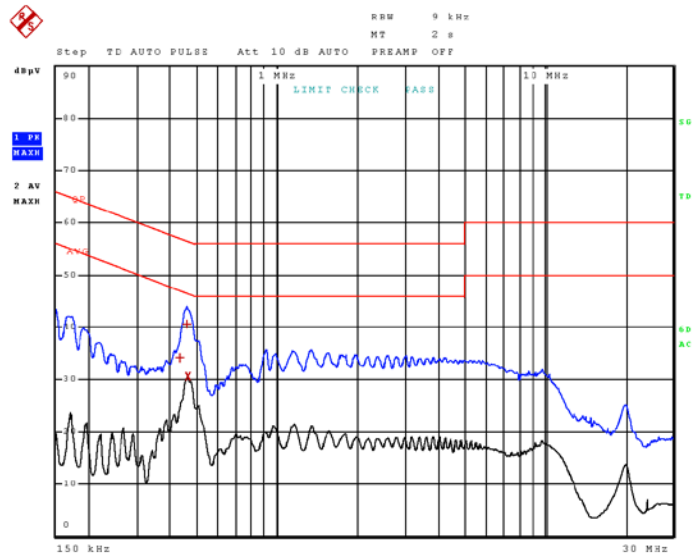
**Test Data: Tuned to 40.84 MHz, Line 2 Peak Plot**

27.Nov 18 19:31

### Time Domain Scan (1 Range)

Scan Start: 150 kHz  
Scan Stop: 30 MHz  
Detector: Trace 1: MAX PEAK Trace 2: Average  
Transducer: tdf\_20

| Start Frequency | Stop Frequency | Step Size | Res BW   | Meas Time | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|----------|-----------|----------|--------|--------|
| 150.000000 kHz  | 30.000000 MHz  | 2.25 kHz  | 9.00 kHz | 500 ms    | Auto     | 0 dB   | INPUT2 |



### Final Measurement

Meas Time: 2 s  
Margin: 20 dB  
Subranges: 3

| Trace | Frequency        | Level (dBμV) | Detector   | Delta Limit/dB |
|-------|------------------|--------------|------------|----------------|
| 1     | 431.25000000 kHz | 34.20        | Quasi Peak | -23.03         |
| 1     | 458.25000000 kHz | 40.64        | Quasi Peak | -16.09         |
| 2     | 460.50000000 kHz | 30.56        | Average    | -16.12         |

Page 1 of 2

## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## POWER LINE CONDUCTED INTERFERENCE

**Test Data: Tuned to 40.84 MHz, Line 2 Peak Plot Table**

27.Nov 18 19:31

### Transducer Table

Name: tdf\_20  
Interpolation: LIN  
Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

| Frequency  | Factor (dB) |
|------------|-------------|
| 150.00 kHz | 0.19        |
| 170.00 kHz | 0.17        |
| 200.00 kHz | 0.16        |
| 250.00 kHz | 0.13        |
| 300.00 kHz | 0.12        |
| 350.00 kHz | 0.12        |
| 400.00 kHz | 0.11        |
| 500.00 kHz | 0.12        |
| 600.00 kHz | 0.12        |
| 700.00 kHz | 0.11        |
| 800.00 kHz | 0.13        |
| 900.00 kHz | 0.12        |
| 1.00 MHz   | 0.21        |
| 1.20 MHz   | 0.22        |
| 1.50 MHz   | 0.26        |
| 2.00 MHz   | 0.37        |
| 2.50 MHz   | 0.41        |
| 3.00 MHz   | 0.59        |
| 4.00 MHz   | 0.40        |
| 5.00 MHz   | 0.47        |
| 7.00 MHz   | 0.63        |
| 10.00 MHz  | 0.88        |
| 15.00 MHz  | 1.08        |
| 20.00 MHz  | 1.01        |
| 30.00 MHz  | 1.80        |

Page 2 of 2

## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## POWER LINE CONDUCTED INTERFERENCE

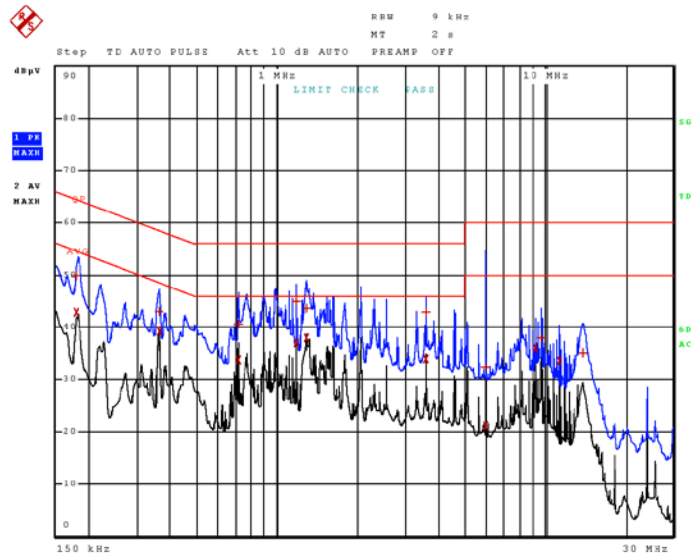
**Test Data: Tuned to 107.1 MHz, Line 1 Peak Plot**

27.Nov 18 19:27

### Time Domain Scan (1 Range)

Scan Start: 150 kHz  
Scan Stop: 30 MHz  
Detector: Trace 1: MAX PEAK Trace 2: Average  
Transducer: tdf\_20

| Start Frequency | Stop Frequency | Step Size | Res BW   | Meas Time | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|----------|-----------|----------|--------|--------|
| 150.000000 kHz  | 30.000000 MHz  | 2.25 kHz  | 9.00 kHz | 500 ms    | Auto     | 0 dB   | INPUT2 |



Page 1 of 2

## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1



## POWER LINE CONDUCTED INTERFERENCE

Test Data: Tuned to 107.1 MHz, Line 1 Peak Plot Table

27.Nov 18 19:27

### Final Measurement

Meas Time: 2 s  
Margin: 20 dB  
Subranges: 18

| Trace | Frequency         | Level (dBµV) | Detector   | Delta Limit/dB |
|-------|-------------------|--------------|------------|----------------|
| 1     | 179.250000000 kHz | 49.77        | Quasi Peak | -14.75         |
| 2     | 179.250000000 kHz | 42.84        | Average    | -11.68         |
| 2     | 359.250000000 kHz | 39.25        | Average    | -9.50          |
| 1     | 361.500000000 kHz | 42.96        | Quasi Peak | -15.73         |
| 1     | 710.250000000 kHz | 40.54        | Quasi Peak | -15.46         |
| 2     | 710.250000000 kHz | 33.72        | Average    | -12.28         |
| 1     | 1.180500000 MHz   | 44.89        | Quasi Peak | -11.11         |
| 2     | 1.180500000 MHz   | 36.97        | Average    | -9.03          |
| 1     | 1.288500000 MHz   | 43.58        | Quasi Peak | -12.42         |
| 2     | 1.288500000 MHz   | 37.97        | Average    | -8.03          |
| 1     | 3.583500000 MHz   | 42.86        | Quasi Peak | -13.14         |
| 2     | 3.583500000 MHz   | 33.87        | Average    | -12.13         |
| 1     | 5.991000000 MHz   | 32.29        | Quasi Peak | -27.71         |
| 2     | 5.991000000 MHz   | 21.01        | Average    | -28.99         |
| 2     | 9.224250000 MHz   | 36.02        | Average    | -13.98         |
| 1     | 9.690000000 MHz   | 37.83        | Quasi Peak | -22.17         |
| 2     | 11.265000000 MHz  | 33.59        | Average    | -16.41         |
| 1     | 13.816500000 MHz  | 35.08        | Quasi Peak | -24.92         |

### Transducer Table

Name: tdf\_20  
Interpolation: LIN  
Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

| Frequency  | Factor (dB) | 15.00 MHz | 1.08 |
|------------|-------------|-----------|------|
| 150.00 kHz | 0.19        | 20.00 MHz | 1.01 |
| 170.00 kHz | 0.17        | 30.00 MHz | 1.80 |
| 200.00 kHz | 0.16        |           |      |
| 250.00 kHz | 0.13        |           |      |
| 300.00 kHz | 0.12        |           |      |
| 350.00 kHz | 0.12        |           |      |
| 400.00 kHz | 0.11        |           |      |
| 500.00 kHz | 0.12        |           |      |
| 600.00 kHz | 0.12        |           |      |
| 700.00 kHz | 0.11        |           |      |
| 800.00 kHz | 0.13        |           |      |
| 900.00 kHz | 0.12        |           |      |
| 1.00 MHz   | 0.21        |           |      |
| 1.20 MHz   | 0.22        |           |      |
| 1.50 MHz   | 0.28        |           |      |
| 2.00 MHz   | 0.37        |           |      |
| 2.50 MHz   | 0.41        |           |      |
| 3.00 MHz   | 0.59        |           |      |
| 4.00 MHz   | 0.40        |           |      |
| 5.00 MHz   | 0.47        |           |      |
| 7.00 MHz   | 0.63        |           |      |
| 10.00 MHz  | 0.88        |           |      |

Page 2 of 2

## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## POWER LINE CONDUCTED INTERFERENCE

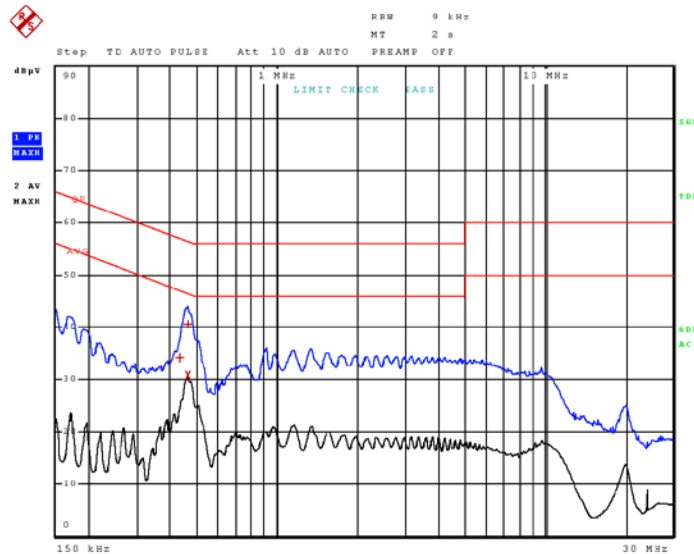
Test Data: Tuned to 107.1 MHz, Line 2 Peak Plot

27.Nov 18 19:29

### Time Domain Scan (1 Range)

Scan Start: 150 kHz  
Scan Stop: 30 MHz  
Detector: Trace 1: MAX PEAK Trace 2: Average  
Transducer: tdf\_20

| Start Frequency | Stop Frequency | Step Size | Res BW   | Meas Time | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|----------|-----------|----------|--------|--------|
| 150.000000 kHz  | 30.000000 MHz  | 2.25 kHz  | 9.00 kHz | 500 ms    | Auto     | 0 dB   | INPUT2 |



### Final Measurement

Meas Time: 2 s  
Margin: 20 dB  
Subranges: 3

| Trace | Frequency        | Level (dBμV) | Detector   | Delta Limit/dB |
|-------|------------------|--------------|------------|----------------|
| 1     | 431.25000000 kHz | 34.12        | Quasi Peak | -23.11         |
| 1     | 460.50000000 kHz | 40.56        | Quasi Peak | -16.13         |
| 2     | 460.50000000 kHz | 30.67        | Average    | -16.01         |

Page 1 of 2

## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## POWER LINE CONDUCTED INTERFERENCE

**Test Data: Tuned to 107.1 MHz, Line 2 Peak Plot Table**

27.Nov 18 19:29

### Transducer Table

Name: tdf\_20  
Interpolation: LIN  
Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

| Frequency  | Factor (dB) |
|------------|-------------|
| 150.00 kHz | 0.19        |
| 170.00 kHz | 0.17        |
| 200.00 kHz | 0.16        |
| 250.00 kHz | 0.13        |
| 300.00 kHz | 0.12        |
| 350.00 kHz | 0.12        |
| 400.00 kHz | 0.11        |
| 500.00 kHz | 0.12        |
| 600.00 kHz | 0.12        |
| 700.00 kHz | 0.11        |
| 800.00 kHz | 0.13        |
| 900.00 kHz | 0.12        |
| 1.00 MHz   | 0.21        |
| 1.20 MHz   | 0.22        |
| 1.50 MHz   | 0.26        |
| 2.00 MHz   | 0.37        |
| 2.50 MHz   | 0.41        |
| 3.00 MHz   | 0.59        |
| 4.00 MHz   | 0.40        |
| 5.00 MHz   | 0.47        |
| 7.00 MHz   | 0.63        |
| 10.00 MHz  | 0.88        |
| 15.00 MHz  | 1.08        |
| 20.00 MHz  | 1.01        |
| 30.00 MHz  | 1.80        |

Page 2 of 2

## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## POWER LINE CONDUCTED INTERFERENCE

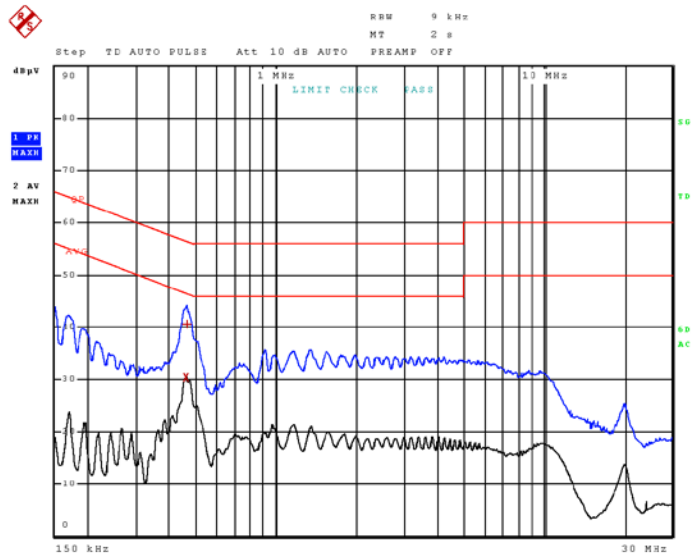
**Test Data: Tuned to 511.9125 MHz, Line 1 Peak Plot**

27.Nov 18 19:23

### Time Domain Scan (1 Range)

Scan Start: 150 kHz  
Scan Stop: 30 MHz  
Detector: Trace 1: MAX PEAK Trace 2: Average  
Transducer: tdf\_20

| Start Frequency | Stop Frequency | Step Size | Res BW   | Meas Time | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|----------|-----------|----------|--------|--------|
| 150.000000 kHz  | 30.000000 MHz  | 2.25 kHz  | 9.00 kHz | 500 ms    | Auto     | 0 dB   | INPUT2 |



### Final Measurement

Meas Time: 2 s  
Margin: 20 dB  
Subranges: 2

| Trace | Frequency        | Level (dBμV) | Detector   | Delta Limit/dB |
|-------|------------------|--------------|------------|----------------|
| 2     | 458.25000000 kHz | 30.38        | Average    | -16.35         |
| 1     | 460.50000000 kHz | 40.52        | Quasi Peak | -16.16         |

Page 1 of 2

## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## POWER LINE CONDUCTED INTERFERENCE

**Test Data: Tuned to 511.9125 MHz, Line 1 Peak Plot Table**

27.Nov 18 19:23

### Transducer Table

Name: tdf\_20  
Interpolation: LIN  
Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

| Frequency  | Factor (dB) |
|------------|-------------|
| 150.00 kHz | 0.19        |
| 170.00 kHz | 0.17        |
| 200.00 kHz | 0.16        |
| 250.00 kHz | 0.13        |
| 300.00 kHz | 0.12        |
| 350.00 kHz | 0.12        |
| 400.00 kHz | 0.11        |
| 500.00 kHz | 0.12        |
| 600.00 kHz | 0.12        |
| 700.00 kHz | 0.11        |
| 800.00 kHz | 0.13        |
| 900.00 kHz | 0.12        |
| 1.00 MHz   | 0.21        |
| 1.20 MHz   | 0.22        |
| 1.50 MHz   | 0.20        |
| 2.00 MHz   | 0.37        |
| 2.50 MHz   | 0.41        |
| 3.00 MHz   | 0.59        |
| 4.00 MHz   | 0.40        |
| 5.00 MHz   | 0.47        |
| 7.00 MHz   | 0.63        |
| 10.00 MHz  | 0.88        |
| 15.00 MHz  | 1.08        |
| 20.00 MHz  | 1.01        |
| 30.00 MHz  | 1.80        |

Page 2 of 2

## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## POWER LINE CONDUCTED INTERFERENCE

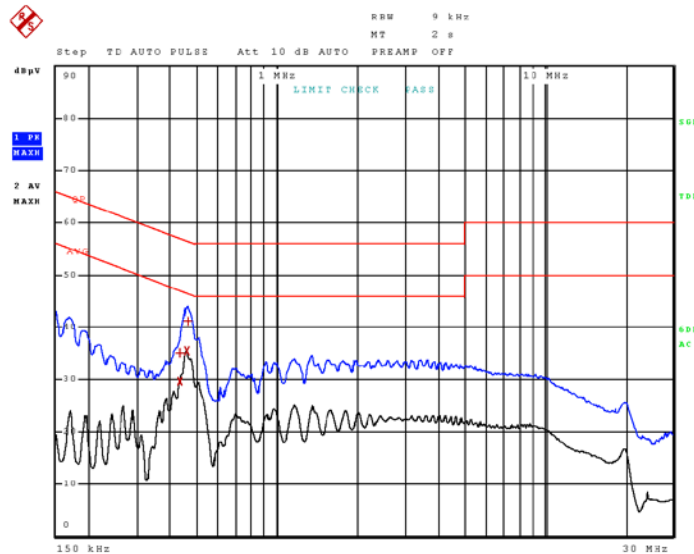
Test Data: Tuned to 511.9125 MHz, Line 2 Peak Plot

27.Nov 18 19:25

### Time Domain Scan (1 Range)

Scan Start: 150 kHz  
Scan Stop: 30 MHz  
Detector: Trace 1: MAX PEAK Trace 2: Average  
Transducer: tdf\_20

| Start Frequency | Stop Frequency | Step Size | Res BW   | Meas Time | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|----------|-----------|----------|--------|--------|
| 150.000000 kHz  | 30.000000 MHz  | 2.25 kHz  | 9.00 kHz | 500 ms    | Auto     | 0 dB   | INPUT2 |



### Final Measurement

Meas Time: 2 s  
Margin: 20 dB  
Subranges: 4

| Trace | Frequency        | Level (dBμV) | Detector   | Delta Limit/dB |
|-------|------------------|--------------|------------|----------------|
| 1     | 431.25000000 kHz | 35.06        | Quasi Peak | -22.17         |
| 2     | 431.25000000 kHz | 29.54        | Average    | -17.69         |
| 2     | 458.25000000 kHz | 35.53        | Average    | -11.20         |
| 1     | 460.50000000 kHz | 41.12        | Quasi Peak | -15.56         |

Page 1 of 2

## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## POWER LINE CONDUCTED INTERFERENCE

**Test Data: Tuned to 511.9125 MHz, Line 2 Peak Plot Table**

27.Nov 18 19:25

### Transducer Table

Name: tdf\_20  
Interpolation: LIN  
Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

| Frequency  | Factor (dB) |
|------------|-------------|
| 150.00 kHz | 0.19        |
| 170.00 kHz | 0.17        |
| 200.00 kHz | 0.16        |
| 250.00 kHz | 0.13        |
| 300.00 kHz | 0.12        |
| 350.00 kHz | 0.12        |
| 400.00 kHz | 0.11        |
| 500.00 kHz | 0.12        |
| 600.00 kHz | 0.12        |
| 700.00 kHz | 0.11        |
| 800.00 kHz | 0.13        |
| 900.00 kHz | 0.12        |
| 1.00 MHz   | 0.21        |
| 1.20 MHz   | 0.22        |
| 1.50 MHz   | 0.20        |
| 2.00 MHz   | 0.37        |
| 2.50 MHz   | 0.41        |
| 3.00 MHz   | 0.59        |
| 4.00 MHz   | 0.40        |
| 5.00 MHz   | 0.47        |
| 7.00 MHz   | 0.63        |
| 10.00 MHz  | 0.88        |
| 15.00 MHz  | 1.08        |
| 20.00 MHz  | 1.01        |
| 30.00 MHz  | 1.80        |

Page 2 of 2

## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## POWER LINE CONDUCTED INTERFERENCE

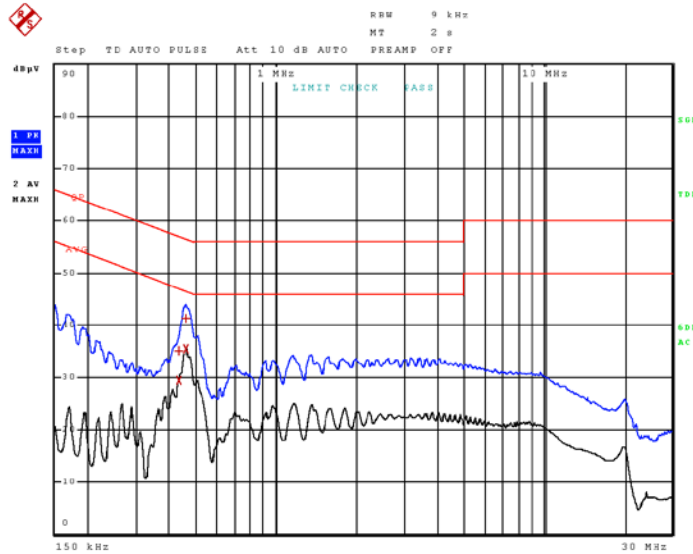
Test Data: Tuned to 954.9125 MHz, Line 1 Peak Plot

27.Nov 18 19:19

### Time Domain Scan (1 Range)

Scan Start: 150 kHz  
Scan Stop: 30 MHz  
Detector: Trace 1: MAX PEAK Trace 2: Average  
Transducer: tdf\_20

| Start Frequency | Stop Frequency | Step Size | Res BW   | Meas Time | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|----------|-----------|----------|--------|--------|
| 150.000000 kHz  | 30.000000 MHz  | 2.25 kHz  | 9.00 kHz | 500 ms    | Auto     | 0 dB   | INPUT2 |



### Final Measurement

Meas Time: 2 s  
Margin: 20 dB  
Subranges: 4

| Trace | Frequency        | Level (dBμV) | Detector   | Delta Limit/dB |
|-------|------------------|--------------|------------|----------------|
| 1     | 431.25000000 kHz | 35.15        | Quasi Peak | -22.08         |
| 2     | 431.25000000 kHz | 29.46        | Average    | -17.77         |
| 1     | 458.25000000 kHz | 41.23        | Quasi Peak | -15.49         |
| 2     | 458.25000000 kHz | 35.51        | Average    | -11.21         |

Page 1 of 2

## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1



## POWER LINE CONDUCTED INTERFERENCE

**Test Data: Tuned to 954.9125 MHz, Line 1 Peak Plot Table**

27.Nov 18 19:19

### Transducer Table

Name: tdf\_20  
Interpolation: LIN  
Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

| Frequency  | Factor (dB) |
|------------|-------------|
| 150.00 kHz | 0.19        |
| 170.00 kHz | 0.17        |
| 200.00 kHz | 0.16        |
| 250.00 kHz | 0.13        |
| 300.00 kHz | 0.12        |
| 350.00 kHz | 0.12        |
| 400.00 kHz | 0.11        |
| 500.00 kHz | 0.12        |
| 600.00 kHz | 0.12        |
| 700.00 kHz | 0.11        |
| 800.00 kHz | 0.13        |
| 900.00 kHz | 0.12        |
| 1.00 MHz   | 0.21        |
| 1.20 MHz   | 0.22        |
| 1.50 MHz   | 0.26        |
| 2.00 MHz   | 0.37        |
| 2.50 MHz   | 0.41        |
| 3.00 MHz   | 0.59        |
| 4.00 MHz   | 0.40        |
| 5.00 MHz   | 0.47        |
| 7.00 MHz   | 0.63        |
| 10.00 MHz  | 0.88        |
| 15.00 MHz  | 1.08        |
| 20.00 MHz  | 1.01        |
| 30.00 MHz  | 1.80        |

Page 2 of 2

## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## POWER LINE CONDUCTED INTERFERENCE

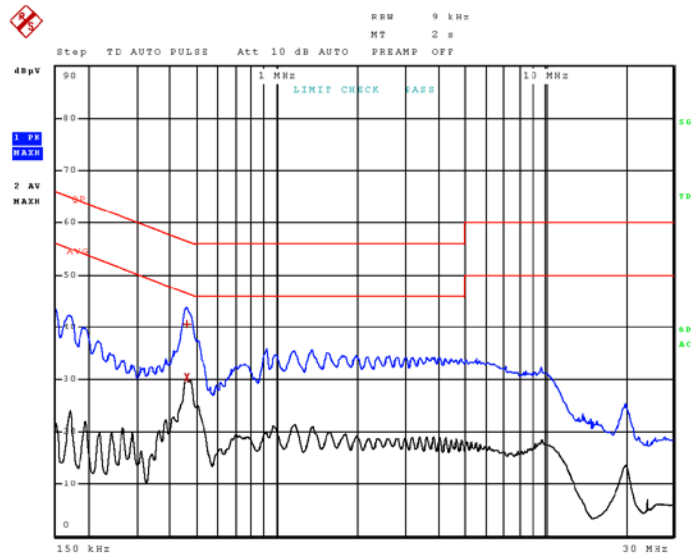
**Test Data: Tuned to 954.9125 MHz, Line 2 Peak Plot**

27.Nov 18 19:21

### Time Domain Scan (1 Range)

Scan Start: 150 kHz  
Scan Stop: 30 MHz  
Detector: Trace 1: MAX PEAK Trace 2: Average  
Transducer: tdf\_20

| Start Frequency | Stop Frequency | Step Size | Res BW   | Meas Time | RF Atten | Preamp | Input  |
|-----------------|----------------|-----------|----------|-----------|----------|--------|--------|
| 150.000000 kHz  | 30.000000 MHz  | 2.25 kHz  | 9.00 kHz | 500 ms    | Auto     | 0 dB   | INPUT2 |



### Final Measurement

Meas Time: 2 s  
Margin: 20 dB  
Subranges: 2

| Trace | Frequency        | Level (dBμV) | Detector   | Delta Limit/dB |
|-------|------------------|--------------|------------|----------------|
| 1     | 458.25000000 kHz | 40.58        | Quasi Peak | -16.14         |
| 2     | 458.25000000 kHz | 30.38        | Average    | -16.34         |

Page 1 of 2

## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## POWER LINE CONDUCTED INTERFERENCE

**Test Data: Tuned to 954.9125 MHz, Line 2 Peak Plot Table**

27.Nov 18 19:21

### Transducer Table

Name: tdf\_20  
Interpolation: LIN  
Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

| Frequency  | Factor (dB) |
|------------|-------------|
| 150.00 kHz | 0.19        |
| 170.00 kHz | 0.17        |
| 200.00 kHz | 0.16        |
| 250.00 kHz | 0.13        |
| 300.00 kHz | 0.12        |
| 350.00 kHz | 0.12        |
| 400.00 kHz | 0.11        |
| 500.00 kHz | 0.12        |
| 600.00 kHz | 0.12        |
| 700.00 kHz | 0.11        |
| 800.00 kHz | 0.13        |
| 900.00 kHz | 0.12        |
| 1.00 MHz   | 0.21        |
| 1.20 MHz   | 0.22        |
| 1.50 MHz   | 0.20        |
| 2.00 MHz   | 0.37        |
| 2.50 MHz   | 0.41        |
| 3.00 MHz   | 0.59        |
| 4.00 MHz   | 0.40        |
| 5.00 MHz   | 0.47        |
| 7.00 MHz   | 0.63        |
| 10.00 MHz  | 0.88        |
| 15.00 MHz  | 1.08        |
| 20.00 MHz  | 1.01        |
| 30.00 MHz  | 1.80        |

Page 2 of 2

## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB384  
IC: 513C-UB384  
Report: 2014AUT18TestReport\_Rev1

## TEST EQUIPMENT LIST

| Device                                       | Manufacturer    | Model                        | Serial Number                                  | Cal/Char Date | Due Date |
|----------------------------------------------|-----------------|------------------------------|------------------------------------------------|---------------|----------|
| Antenna: Biconical 1057                      | Eaton           | 94455-1                      | 1057                                           | 12/13/17      | 12/13/19 |
| Antenna: Log-Periodic 1122                   | Electro-Metrics | LPA-25                       | 1122                                           | 07/26/17      | 07/26/19 |
| Coaxial Cable - Chamber 3 cable set (backup) | Micro-Coax      | Chamber 3 cable set (backup) | KMKM-0244-02;<br>KMKM-0670-01;<br>KFKF-0197-00 | N/A           | N/A      |
| CHAMBER                                      | Panashield      | 3M                           | N/A                                            | 05/05/17      | 05/05/19 |
| EMI Test Receiver R & S ESU 40 Chamber       | Rohde & Schwarz | ESU 40                       | 100320                                         | 04/01/16      | 04/01/19 |
| Bore-sight Antenna Positioning Tower         | Sunol Sciences  | TLT2                         | N/A                                            | N/A           | N/A      |
| Coaxial Cable - BMBM-1000-00 Silver          | Semflex         | LISN Cable                   | BMBM-1000-00                                   | 01/05/17      | 01/05/19 |
| LISN (Primary)                               | Electro-Metrics | ANS-25/2                     | 225363                                         | 08/26/17      | 08/26/19 |
| Antenna: Double-Ridged Horn/ETS Horn 2       | ETS-Lindgren    | 3117                         | 00041534                                       | 03/01/17      | 03/01/19 |

### \*EMI RECEIVER SOFTWARE VERSION

The receiver firmware used was version 4.43 Service Pack 3

**END OF TEST REPORT**