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**FCC PART 15B / RSS-215**  
**SCANNING RECEIVER TEST REPORT**

|                             |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| <b>Applicant</b>            | UNIDEN AMERICA CORPORATION                                             |
| <b>Address</b>              | 6225 N. State High 161<br>Suite 300<br>Irving, TX 75038                |
| <b>FCC ID:</b>              | AMWUB371B                                                              |
| <b>IC</b>                   | 513C-UB371B                                                            |
| <b>Model Number</b>         | UB371B, PMN: BC365CRS                                                  |
| <b>Product Description</b>  | SCANNING RECEIVER                                                      |
| <b>Date Sample Received</b> | 1/20/2020                                                              |
| <b>Final Test Date</b>      | 1/23/2020                                                              |
| <b>Tested By</b>            | Tim Royer                                                              |
| <b>Test Results</b>         | <input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL |

| <b>Report Number</b> | <b>Version Number</b> | <b>Description</b> | <b>Issue Date</b> |
|----------------------|-----------------------|--------------------|-------------------|
| 188UT19TestReport    | ---                   | Initial Issue      | 1/23/2020         |

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

**This report relates only to the Equipment Under Test (EUT) sample(s)  
tested.**

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|                                                                    |           |
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|                                                          |            |
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## 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 32669**

**Tested by:**



**Name and Title** Tim Royer, Project Manager / EMC Testing Engineer

**Date** 1/23/2020

# GENERAL INFORMATION

|                                           |                                                                                                                                           |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EUT Description</b>                    | <b>SCANNING RECEIVER</b>                                                                                                                  |
| <b>FCC ID</b>                             | <b>AMWUB371B</b>                                                                                                                          |
| <b>IC</b>                                 | <b>513C-UB371B</b>                                                                                                                        |
| <b>Model Number</b>                       | <b>UB371B, PMN: BC365CRS</b>                                                                                                              |
| <b>Range</b>                              | 0.1 – 512 MHz                                                                                                                             |
| <b>Receiver Circuit Type</b>              | Superheterodyne                                                                                                                           |
| <b>Lowest Internal Frequency</b>          | > 9 kHz                                                                                                                                   |
| <b>Antenna Connector</b>                  | BNC                                                                                                                                       |
| <b>EUT Power Source</b>                   | <input checked="" type="checkbox"/> 110–120Vac/50– 60Hz                                                                                   |
|                                           | <input type="checkbox"/> 13.8 VDC Nominal (Optional)                                                                                      |
|                                           | <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<br>ISED CAB #US0111<br>ISED Test Site #2056A |

## REPORT SUMMARY

|                                                  |                                                                                                                                      |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>Regulatory Standard</b>                       | CFR Title 47 FCC Rule part 15B § 15.109, 15.111, & 15.121, RSS-215 Issue 2, RSS-GEN Issue 4                                          |
| <b>Test Procedures</b>                           | FCC Part 15.31, 15.33, 15.35<br>ANSI C63.4 – 2014                                                                                    |
| <b>Operational Modes</b>                         | Stopped at the Lowest, middle, and highest frequency of each frequency range. In addition, scanning all frequencies of tuning range. |
| <b>Test Frequencies</b>                          | 25, 54, 108, 174, 406, 512MHz                                                                                                        |
|                                                  | Scan: 25 MHz to 512 MHz                                                                                                              |
| <b>Environmental Condition in the laboratory</b> | Temperature: 24-26°C<br>Relative humidity: 50-65%<br>Barometric Pressure: 1021 mb                                                    |
| <b>Deviation from the standard / procedure</b>   | No deviation                                                                                                                         |

## RESULTS SUMMARY

| Test Item                       | FCC Rule Part | RSS Specification         | Result             |
|---------------------------------|---------------|---------------------------|--------------------|
| Radiated Spurious Emissions     | 15.109        | 215 sec 5.1, GEN sec 7.1  | Pass               |
| 15.111 Receiver Conducted Power | 15.111(a)     |                           | N/A <sup>(1)</sup> |
| 15.121 38 dB Rejection          | 15.121        |                           | N/A <sup>(2)</sup> |
| Powerline Conducted Emissions   | 15.107        | 215, sec 5.1, GEN sec 8.8 | Pass               |

### Notes:

- 1) EUT is not intended for connection with AC Mains.
- 2) Manufacturer provided attestation letter, no test required.

**RADIATED SPURIOUS EMISSIONS****Rule Part No.:** FCC Part 15 Subpart B, RSS-215 sec 5.1**Requirements:** FCC Part 15.109(a), RSS GEN 7.1.2 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 measurementsFCC Part 15.35(a) Measurement detector functions and bandwidthsANSI 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, all while the antenna terminals are terminated into a non-radiating 50  $\Omega$  load.

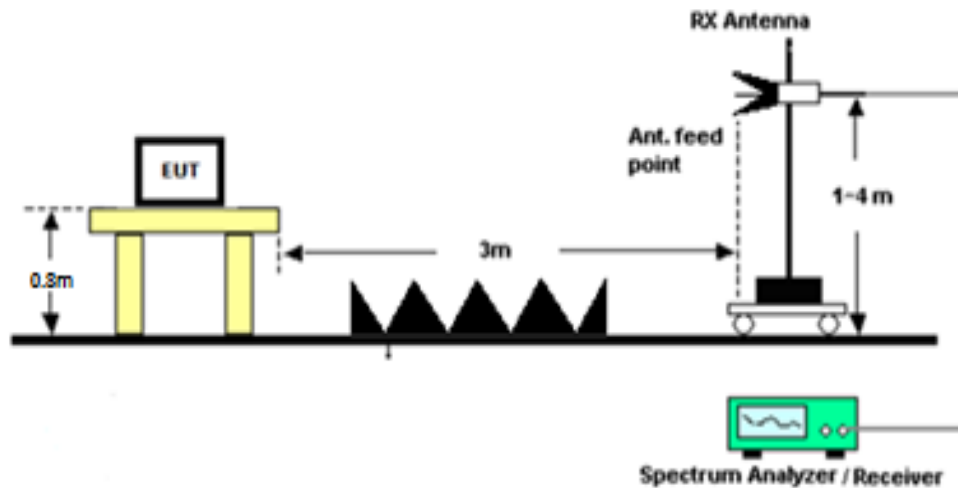


## RADIATED SPURIOUS EMISSIONS

### Setup:

**Emissions 30 – 1000 MHz**

**Emissions above 1 GHz**



# RADIATED SPURIOUS EMISSIONS

## Scanning Receiver Function

Test Data: 30-200MHz Field Strength Plot, Horizontal Polarity



23.Jan 20 15:03

Test Spec CISPR 22 Radiated Disturbances

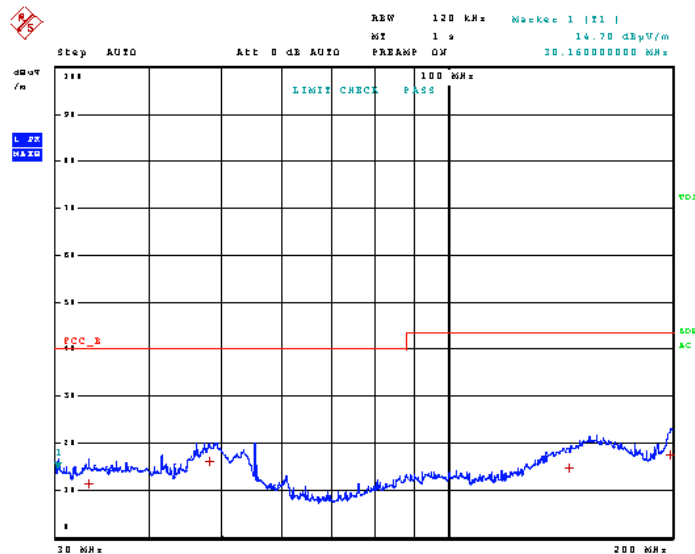
Polarity

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 |



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Applicant: UNIDEN AMERICA CORPORATION  
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## RADIATED SPURIOUS EMISSIONS

**Test Data: 30-200MHz Field Strength Table, Horizontal Polarity**

23.Jan 20 15:03

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     | 33.080000000 MHz  | 11.40          | Quasi Peak | -28.60         |
| 1     | 48.080000000 MHz  | 16.09          | Quasi Peak | -23.91         |
| 1     | 145.120000000 MHz | 14.85          | Quasi Peak | -28.65         |
| 1     | 198.720000000 MHz | 17.49          | Quasi Peak | -26.01         |

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# RADIATED SPURIOUS EMISSIONS

Test Data: 30-200MHz Field Strength Plot, Vertical Polarity



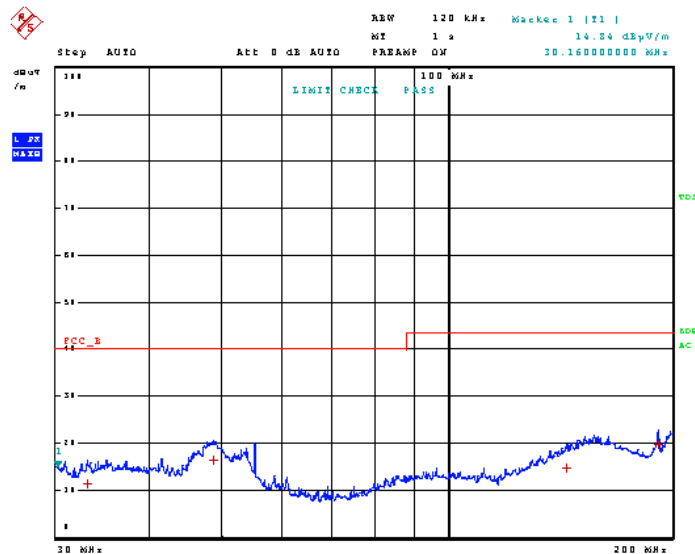
23.Jan 20 15:08

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 |



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## RADIATED SPURIOUS EMISSIONS

**Test Data: 30-200MHz Field Strength Table, Vertical Polarity**

23.Jan 20 15:08

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     | 33.000000000 MHz  | 11.49          | Quasi Peak | -28.51         |
| 1     | 48.560000000 MHz  | 16.53          | Quasi Peak | -23.47         |
| 1     | 144.520000000 MHz | 14.75          | Quasi Peak | -28.75         |
| 1     | 191.680000000 MHz | 19.62          | Quasi Peak | -23.88         |

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## RADIATED SPURIOUS EMISSIONS

**Test Data: 200-1000MHz Field Strength Table, Horizon Polarity**

23.Jan 20 15:01

Test Spec CISPR 22 Radiated Disturbances

Polarity

Horizontal

### Final Measurement

Meas Time: 1 s

Margin: 20 dB

Subranges: 2

| Trace | Frequency        | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|------------------|----------------|------------|----------------|
| 1     | 739.88000000 MHz | 26.89          | Quasi Peak | -19.11         |
| 1     | 917.51000000 MHz | 30.86          | Quasi Peak | -15.14         |

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# RADIATED SPURIOUS EMISSIONS

Test Data: 200-1000MHz Field Strength Plot, Vertical Polarity



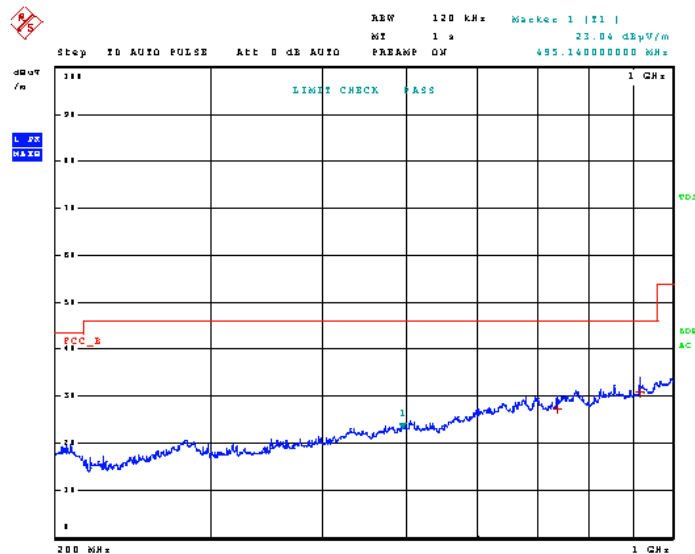
23.Jan 20 14:58

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 |



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## RADIATED SPURIOUS EMISSIONS

**Test Data:** 200-1000MHz Field Strength Table, Vertical Polarity

23.Jan 20 14:58

Test Spec CISPR 22 Radiated Disturbances

Polarity

Horizontal

### Final Measurement

Meas Time: 1 s

Margin: 20 dB

Subranges: 2

| Trace | Frequency         | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|-------------------|----------------|------------|----------------|
| 1     | 739.910000000 MHz | 27.23          | Quasi Peak | -18.77         |
| 1     | 917.510000000 MHz | 30.87          | Quasi Peak | -15.13         |

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## RADIATED SPURIOUS EMISSIONS

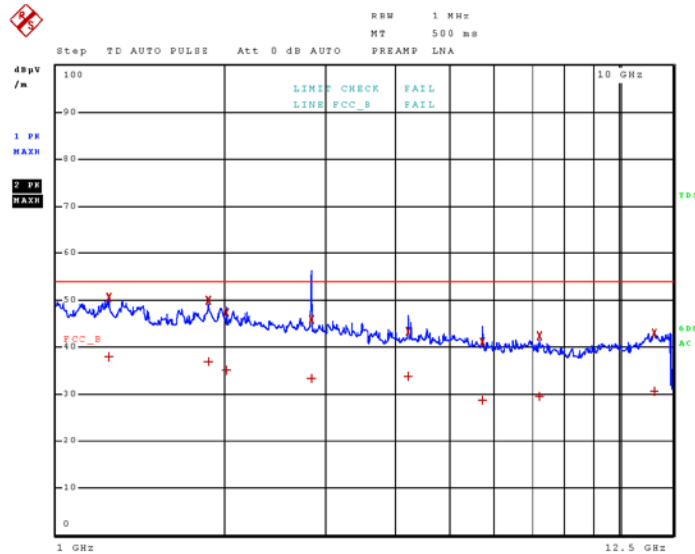
**Test Data: 1-12.5GHz Field Strength Plot, Horizon Polarity**

05.Feb 20 16:16

### 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\_05

| 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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## RADIATED SPURIOUS EMISSIONS

**Test Data: 1-12.5GHz Field Strength Table, Horizon Polarity**

05.Feb 20 16:16

### Final Measurement

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

| Trace | Frequency        | Level (dBμV/m) | Detector     | Delta Limit/dB |
|-------|------------------|----------------|--------------|----------------|
| 1     | 1.238750000 GHz  | 37.82          | CISPR Averag | -16.18         |
| 2     | 1.238750000 GHz  | 50.61          | Max Peak     |                |
| 1     | 1.862750000 GHz  | 36.91          | CISPR Averag | -17.09         |
| 2     | 1.862750000 GHz  | 49.92          | Max Peak     |                |
| 1     | 2.003500000 GHz  | 34.88          | CISPR Averag | -19.12         |
| 2     | 2.003500000 GHz  | 47.47          | Max Peak     |                |
| 1     | 2.839500000 GHz  | 33.31          | CISPR Averag | -20.69         |
| 2     | 2.839500000 GHz  | 45.95          | Max Peak     |                |
| 1     | 4.222250000 GHz  | 33.67          | CISPR Averag | -20.33         |
| 2     | 4.222250000 GHz  | 43.20          | Max Peak     |                |
| 1     | 5.720250000 GHz  | 28.58          | CISPR Averag | -25.42         |
| 2     | 5.720250000 GHz  | 41.11          | Max Peak     |                |
| 1     | 7.249750000 GHz  | 29.53          | CISPR Averag | -24.47         |
| 2     | 7.249750000 GHz  | 42.29          | Max Peak     |                |
| 1     | 11.553000000 GHz | 30.48          | CISPR Averag | -23.52         |
| 2     | 11.553000000 GHz | 42.89          | Max Peak     |                |

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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

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## RADIATED SPURIOUS EMISSIONS

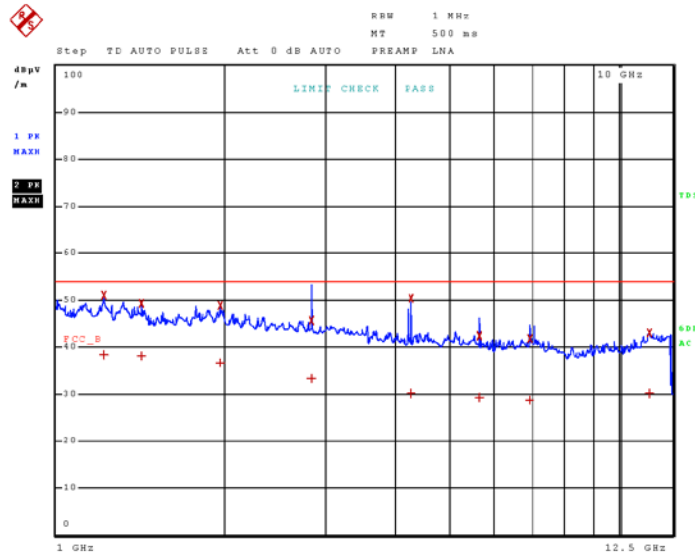
**Test Data: 1-12.5GHz Field Strength Plot, Vertical Polarity**

05.Feb 20 16:18

### 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\_05

| 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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

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## RADIATED SPURIOUS EMISSIONS

**Test Data: 1-12.5GHz Field Strength Table, Vertical Polarity**

05 Feb 20 16:18

### Final Measurement

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

| Trace | Frequency        | Level (dBµV/m) | Detector     | Delta Limit/dB |
|-------|------------------|----------------|--------------|----------------|
| 1     | 1.212000000 GHz  | 38.25          | CISPR Averag | -15.75         |
| 2     | 1.212000000 GHz  | 51.01          | Max Peak     |                |
| 1     | 1.414000000 GHz  | 38.17          | CISPR Averag | -15.83         |
| 2     | 1.414000000 GHz  | 49.26          | Max Peak     |                |
| 1     | 1.956750000 GHz  | 36.60          | CISPR Averag | -17.40         |
| 2     | 1.956750000 GHz  | 48.78          | Max Peak     |                |
| 1     | 2.837000000 GHz  | 33.24          | CISPR Averag | -20.76         |
| 2     | 2.837000000 GHz  | 45.76          | Max Peak     |                |
| 1     | 4.271500000 GHz  | 30.22          | CISPR Averag | -23.78         |
| 2     | 4.271500000 GHz  | 50.22          | Max Peak     |                |
| 1     | 5.652750000 GHz  | 29.21          | CISPR Averag | -24.79         |
| 2     | 5.652750000 GHz  | 42.37          | Max Peak     |                |
| 1     | 6.947500000 GHz  | 28.72          | CISPR Averag | -25.28         |
| 2     | 6.947500000 GHz  | 41.70          | Max Peak     |                |
| 1     | 11.322000000 GHz | 30.08          | CISPR Averag | -23.92         |
| 2     | 11.322000000 GHz | 42.93          | Max Peak     |                |

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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_



## RADIATED SPURIOUS EMISSIONS

**Test Data: 25 MHz Field Strength Table, Horizontal Polarity**

23.Jan 20 12:59

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     | 34.280000000 MHz  | 11.32          | Quasi Peak | -28.68         |
| 1     | 44.320000000 MHz  | 10.19          | Quasi Peak | -29.81         |
| 1     | 145.440000000 MHz | 14.97          | Quasi Peak | -28.53         |
| 1     | 152.080000000 MHz | 18.64          | Quasi Peak | -24.86         |

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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

# RADIATED SPURIOUS EMISSIONS

**Test Data: 25 MHz Field Strength Plot, Vertical Polarity**



23.Jan 20 13:02

**Test Spec** CISPR 22 Radiated Disturbances

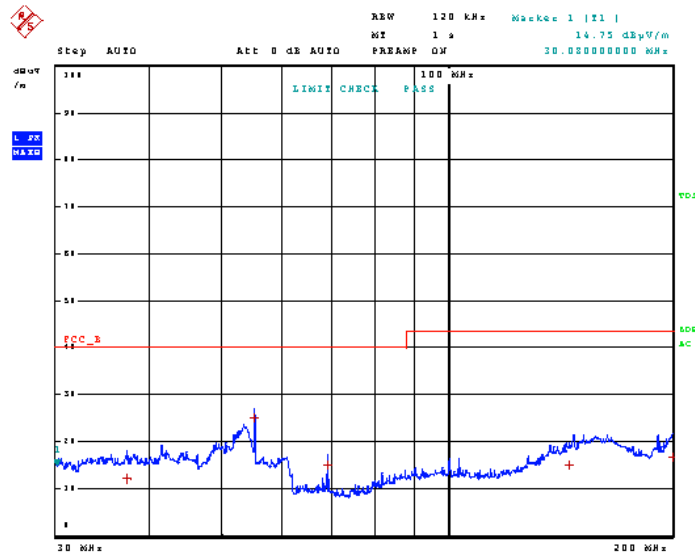
**Polarity**

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: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_



## RADIATED SPURIOUS EMISSIONS

**Test Data: 25 MHz Field Strength Table, Vertical Polarity**

23.Jan 20 13:02

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     | 37.280000000 MHz  | 12.04          | Quasi Peak | -27.96         |
| 1     | 55.280000000 MHz  | 25.03          | Quasi Peak | -14.97         |
| 1     | 69.120000000 MHz  | 15.05          | Quasi Peak | -24.95         |
| 1     | 145.480000000 MHz | 15.04          | Quasi Peak | -28.46         |
| 1     | 199.840000000 MHz | 16.73          | Quasi Peak | -26.77         |

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Applicant: UNIDEN AMERICA CORPORATION  
 FCC ID: AMWUB371B  
 IC: 513C-UB371B  
 Report: 188UT20TestReport\_

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# RADIATED SPURIOUS EMISSIONS

**Test Data: 54 MHz Field Strength Plot, Horizontal Polarity**



23.Jan 20 12:51

**Test Spec** CISPR 22 Radiated Disturbances

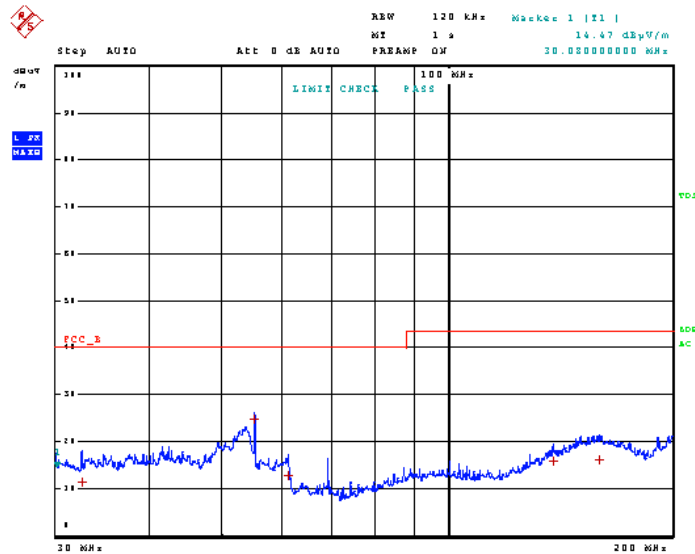
**Polarity**

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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## RADIATED SPURIOUS EMISSIONS

**Test Data: 54 MHz Field Strength Table, Horizontal Polarity**

23.Jan 20 12:51

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     | 32.40000000 MHz  | 11.41          | Quasi Peak | -28.59         |
| 1     | 55.28000000 MHz  | 24.93          | Quasi Peak | -15.07         |
| 1     | 61.28000000 MHz  | 12.78          | Quasi Peak | -27.22         |
| 1     | 138.24000000 MHz | 15.88          | Quasi Peak | -27.62         |
| 1     | 159.88000000 MHz | 16.17          | Quasi Peak | -27.33         |

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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

# RADIATED SPURIOUS EMISSIONS

**Test Data: 54 MHz Field Strength Plot, Vertical Polarity**



23.Jan 20 12:51

**Test Spec** CISPR 22 Radiated Disturbances

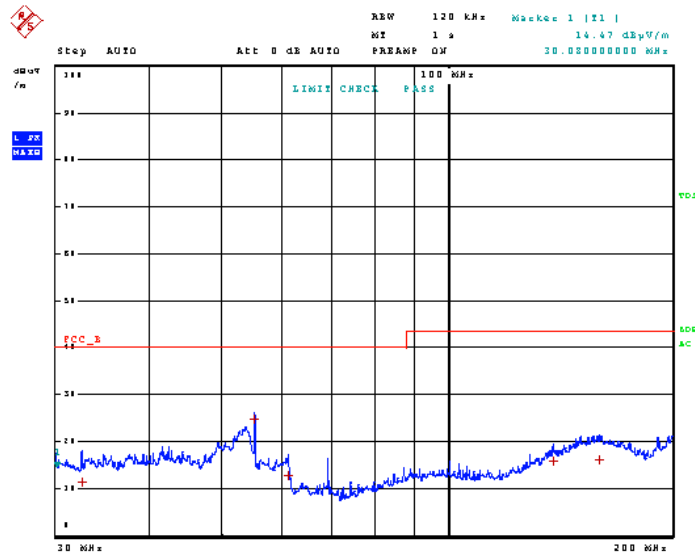
**Polarity**

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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## RADIATED SPURIOUS EMISSIONS

**Test Data: 54 MHz Field Strength Table, Vertical Polarity**

23.Jan 20 12:51

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     | 32.40000000 MHz  | 11.41          | Quasi Peak | -28.59         |
| 1     | 55.28000000 MHz  | 24.93          | Quasi Peak | -15.07         |
| 1     | 61.28000000 MHz  | 12.78          | Quasi Peak | -27.22         |
| 1     | 138.24000000 MHz | 15.88          | Quasi Peak | -27.62         |
| 1     | 159.88000000 MHz | 16.17          | Quasi Peak | -27.33         |

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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

# RADIATED SPURIOUS EMISSIONS

**Test Data: 108 MHz Field Strength Plot, Horizontal Polarity**



23.Jan 20 12:46

**Test Spec** CISPR 22 Radiated Disturbances

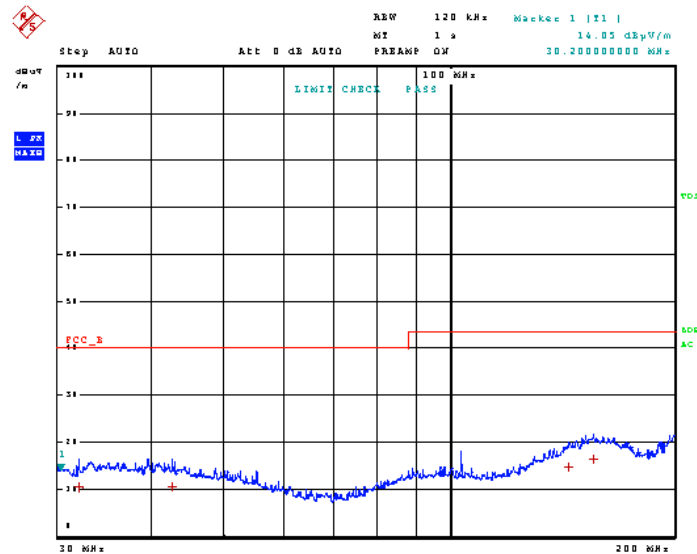
**Polarity**

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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## RADIATED SPURIOUS EMISSIONS

**Test Data: 108 MHz Field Strength Table, Horizontal Polarity**

23.Jan 20 12:46

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     | 31.920000000 MHz  | 10.37          | Quasi Peak | -29.63         |
| 1     | 42.480000000 MHz  | 10.69          | Quasi Peak | -29.31         |
| 1     | 144.320000000 MHz | 14.73          | Quasi Peak | -28.77         |
| 1     | 155.680000000 MHz | 16.44          | Quasi Peak | -27.06         |

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Applicant: UNIDEN AMERICA CORPORATION  
 FCC ID: AMWUB371B  
 IC: 513C-UB371B  
 Report: 188UT20TestReport\_

# RADIATED SPURIOUS EMISSIONS

Test Data: 108 MHz Field Strength Plot, Vertical Polarity



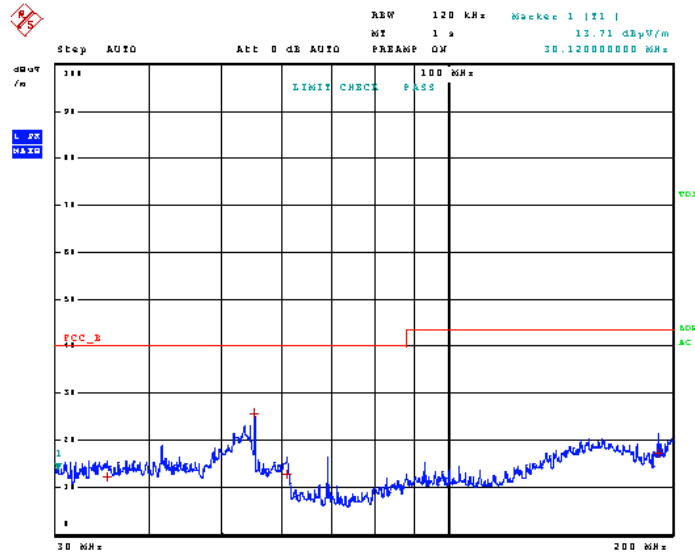
23.Jan 20 12:49

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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_



## RADIATED SPURIOUS EMISSIONS

**Test Data:** 108 MHz Field Strength Table, Vertical Polarity

23.Jan 20 12:49

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     | 35.08000000 MHz  | 12.35          | Quasi Peak | -27.65         |
| 1     | 55.28000000 MHz  | 25.70          | Quasi Peak | -14.30         |
| 1     | 61.04000000 MHz  | 12.75          | Quasi Peak | -27.25         |
| 1     | 191.72000000 MHz | 17.36          | Quasi Peak | -26.14         |

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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

# RADIATED SPURIOUS EMISSIONS

**Test Data: 174 MHz Field Strength Plot, Horizontal Polarity**



23.Jan 20 12:30

**Test Spec** CISPR 22 Radiated Disturbances

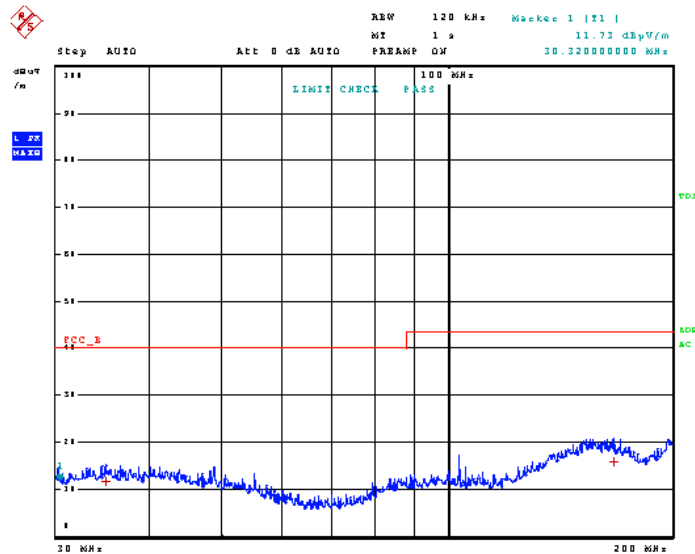
**Polarity**

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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## RADIATED SPURIOUS EMISSIONS

**Test Data:** 174 MHz Field Strength Table, Horizontal Polarity

23.Jan 20 12:30

Test Spec CISPR 22 Radiated Disturbances  
Polarity  
Vertical

### Final Measurement

Meas Time: 1 s  
Margin: 25 dB  
Subranges: 2

| Trace | Frequency         | Level (dBµV/m) | Detector   | Delta Limit/dB |
|-------|-------------------|----------------|------------|----------------|
| 1     | 34.880000000 MHz  | 11.69          | Quasi Peak | -28.31         |
| 1     | 166.440000000 MHz | 15.80          | Quasi Peak | -27.70         |

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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

# RADIATED SPURIOUS EMISSIONS

**Test Data: 174 MHz Field Strength Plot, Vertical Polarity**



23.Jan 20 12:32

**Test Spec** CISPR 22 Radiated Disturbances

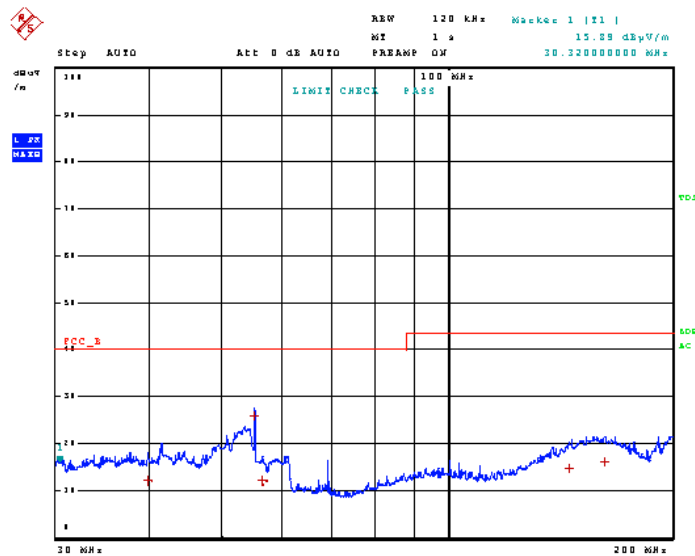
**Polarity**

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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## RADIATED SPURIOUS EMISSIONS

**Test Data: 174 MHz Field Strength Table, Vertical Polarity**

23.Jan 20 12:32

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     | 39.76000000 MHz  | 12.11          | Quasi Peak | -27.89         |
| 1     | 55.28000000 MHz  | 25.87          | Quasi Peak | -14.13         |
| 1     | 56.64000000 MHz  | 12.15          | Quasi Peak | -27.85         |
| 1     | 145.24000000 MHz | 14.92          | Quasi Peak | -28.58         |
| 1     | 162.12000000 MHz | 16.04          | Quasi Peak | -27.46         |

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Applicant: UNIDEN AMERICA CORPORATION  
 FCC ID: AMWUB371B  
 IC: 513C-UB371B  
 Report: 188UT20TestReport\_

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# RADIATED SPURIOUS EMISSIONS

**Test Data: 406 MHz Field Strength Plot, Horizontal Polarity**



23.Jan 20 12:43

**Test Spec** CISPR 22 Radiated Disturbances

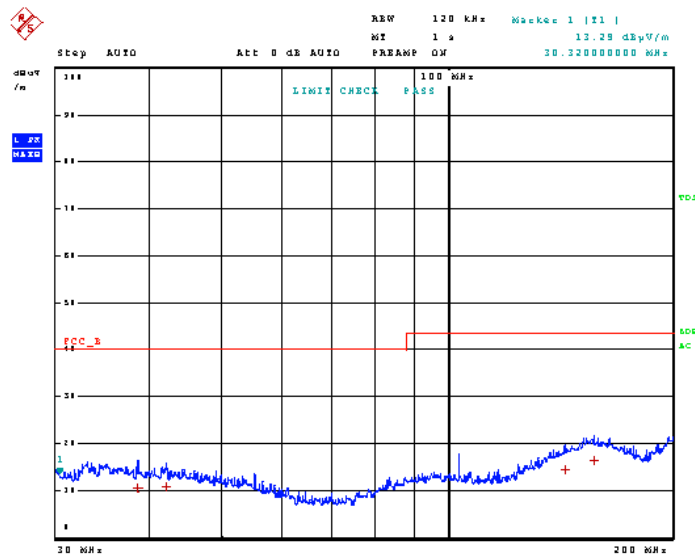
**Polarity**

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: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## RADIATED SPURIOUS EMISSIONS

**Test Data: 406 MHz Field Strength Table, Horizontal Polarity**

23.Jan 20 12:43

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     | 38.52000000 MHz  | 10.64          | Quasi Peak | -29.36         |
| 1     | 42.08000000 MHz  | 10.86          | Quasi Peak | -29.14         |
| 1     | 143.40000000 MHz | 14.42          | Quasi Peak | -29.08         |
| 1     | 156.60000000 MHz | 16.54          | Quasi Peak | -26.96         |

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Applicant: UNIDEN AMERICA CORPORATION  
 FCC ID: AMWUB371B  
 IC: 513C-UB371B  
 Report: 188UT20TestReport\_

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# RADIATED SPURIOUS EMISSIONS

**Test Data: 406 MHz Field Strength Plot, Vertical Polarity**



23.Jan 20 12:39

**Test Spec** CISPR 22 Radiated Disturbances

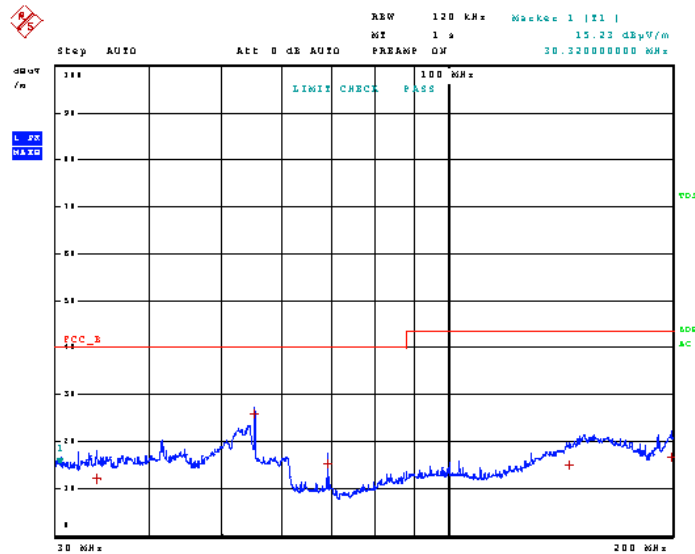
**Polarity**

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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_



## RADIATED SPURIOUS EMISSIONS

**Test Data: 406 MHz Field Strength Table, Vertical Polarity**

23.Jan 20 12:39

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     | 33.92000000 MHz  | 12.05          | Quasi Peak | -27.95         |
| 1     | 55.28000000 MHz  | 25.86          | Quasi Peak | -14.14         |
| 1     | 69.12000000 MHz  | 15.22          | Quasi Peak | -24.78         |
| 1     | 145.48000000 MHz | 15.06          | Quasi Peak | -28.44         |
| 1     | 199.56000000 MHz | 16.70          | Quasi Peak | -26.80         |

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION  
 FCC ID: AMWUB371B  
 IC: 513C-UB371B  
 Report: 188UT20TestReport\_

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# RADIATED SPURIOUS EMISSIONS

**Test Data: 512 MHz Field Strength Plot, Horizontal Polarity**



23.Jan 20 12:29

**Test Spec** CISPR 22 Radiated Disturbances

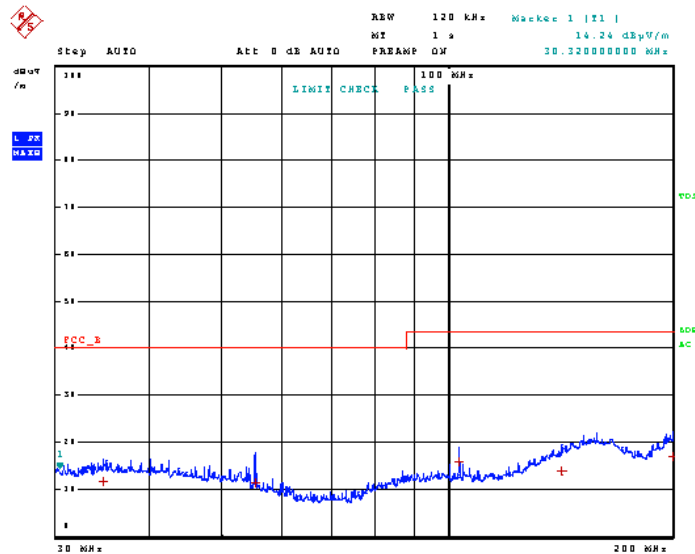
**Polarity**

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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## RADIATED SPURIOUS EMISSIONS

**Test Data: 512 MHz Field Strength Table, Horizontal Polarity**

23.Jan 20 12:29

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     | 34.72000000 MHz  | 11.59          | Quasi Peak | -28.41         |
| 1     | 55.32000000 MHz  | 11.38          | Quasi Peak | -28.62         |
| 1     | 103.68000000 MHz | 15.88          | Quasi Peak | -27.62         |
| 1     | 142.12000000 MHz | 14.05          | Quasi Peak | -29.45         |
| 1     | 199.92000000 MHz | 16.88          | Quasi Peak | -26.62         |

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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

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# RADIATED SPURIOUS EMISSIONS

**Test Data: 512 MHz Field Strength Plot, Vertical Polarity**



23.Jan 20 12:28

**Test Spec** CISPR 22 Radiated Disturbances

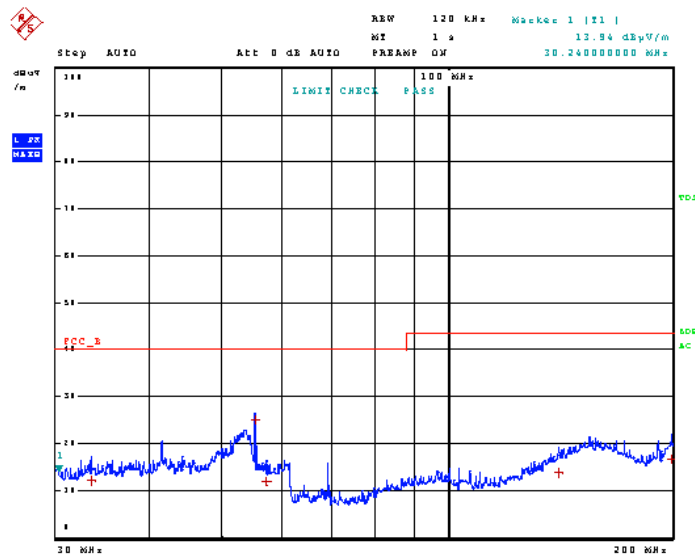
**Polarity**

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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## RADIATED SPURIOUS EMISSIONS

**Test Data: 512 MHz Field Strength Table, Vertical Polarity**

23.Jan 20 12:28

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     | 33.44000000 MHz  | 12.12          | Quasi Peak | -27.88         |
| 1     | 55.32000000 MHz  | 25.14          | Quasi Peak | -14.86         |
| 1     | 57.20000000 MHz  | 11.79          | Quasi Peak | -28.21         |
| 1     | 140.84000000 MHz | 13.86          | Quasi Peak | -29.64         |
| 1     | 199.40000000 MHz | 16.68          | Quasi Peak | -26.82         |

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Applicant: UNIDEN AMERICA CORPORATION  
 FCC ID: AMWUB371B  
 IC: 513C-UB371B  
 Report: 188UT20TestReport\_

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## RADIATED SPURIOUS EMISSIONS

**Test Data: 25 MHz Field Strength Table, Horizontal Polarity**

23.Jan 20 13:14

Test Spec CISPR 22 Radiated Disturbances

Polarity

Horizontal

### Final Measurement

Meas Time: 1 s

Margin: 20 dB

Subranges: 2

| Trace | Frequency         | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|-------------------|----------------|------------|----------------|
| 1     | 761.420000000 MHz | 24.19          | Quasi Peak | -21.81         |
| 1     | 959.300000000 MHz | 27.48          | Quasi Peak | -18.52         |

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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

# RADIATED SPURIOUS EMISSIONS

**Test Data: 25 MHz Field Strength Plot, Vertical Polarity**



23.Jan 20 13:08

**Test Spec** CISPR 22 Radiated Disturbances

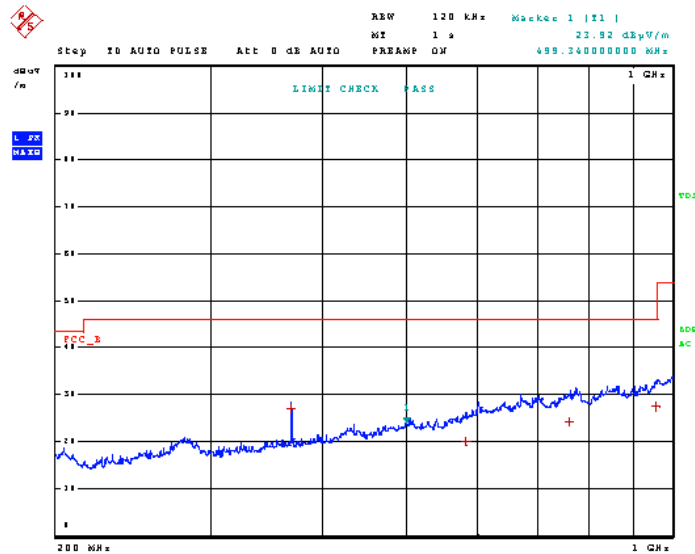
**Polarity**

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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_



## RADIATED SPURIOUS EMISSIONS

**Test Data: 25 MHz Field Strength Table, Vertical Polarity**

23.Jan 20 13:08

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     | 369.95000000 MHz | 26.92          | Quasi Peak | -19.08         |
| 1     | 583.61000000 MHz | 19.97          | Quasi Peak | -26.03         |
| 1     | 762.59000000 MHz | 24.23          | Quasi Peak | -21.77         |
| 1     | 957.44000000 MHz | 27.31          | Quasi Peak | -18.69         |

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Applicant: UNIDEN AMERICA CORPORATION  
 FCC ID: AMWUB371B  
 IC: 513C-UB371B  
 Report: 188UT20TestReport\_

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# RADIATED SPURIOUS EMISSIONS

**Test Data: 54 MHz Field Strength Plot, Horizontal Polarity**



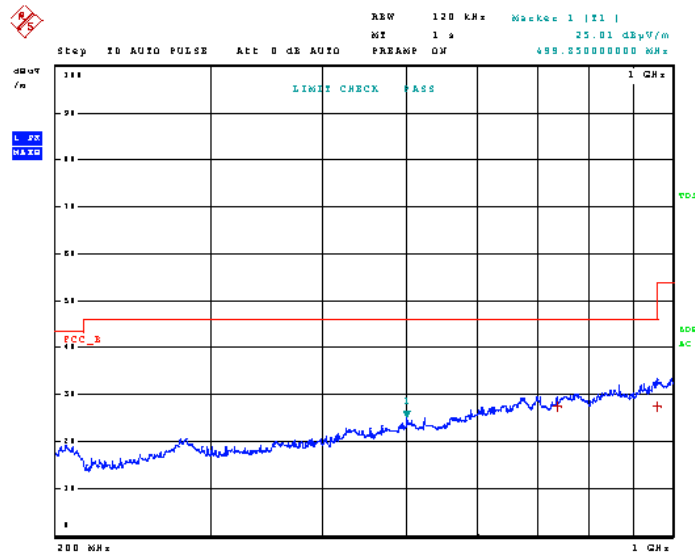
23.Jan 20 13:17

**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 |



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Applicant: UNIDEN AMERICA CORPORATION  
 FCC ID: AMWUB371B  
 IC: 513C-UB371B  
 Report: 188UT20TestReport\_

## RADIATED SPURIOUS EMISSIONS

**Test Data: 54 MHz Field Strength Table, Horizontal Polarity**

23.Jan 20 13:17

Test Spec CISPR 22 Radiated Disturbances  
Polarity  
Horizontal

### Final Measurement

Meas Time: 1 s  
Margin: 20 dB  
Subranges: 2

| Trace | Frequency         | Level (dBµV/m) | Detector   | Delta Limit/dB |
|-------|-------------------|----------------|------------|----------------|
| 1     | 739.910000000 MHz | 27.43          | Quasi Peak | -18.57         |
| 1     | 959.660000000 MHz | 27.48          | Quasi Peak | -18.52         |

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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

# RADIATED SPURIOUS EMISSIONS

**Test Data: 54 MHz Field Strength Plot, Vertical Polarity**



23.Jan 20 13:24

**Test Spec** CISPR 22 Radiated Disturbances

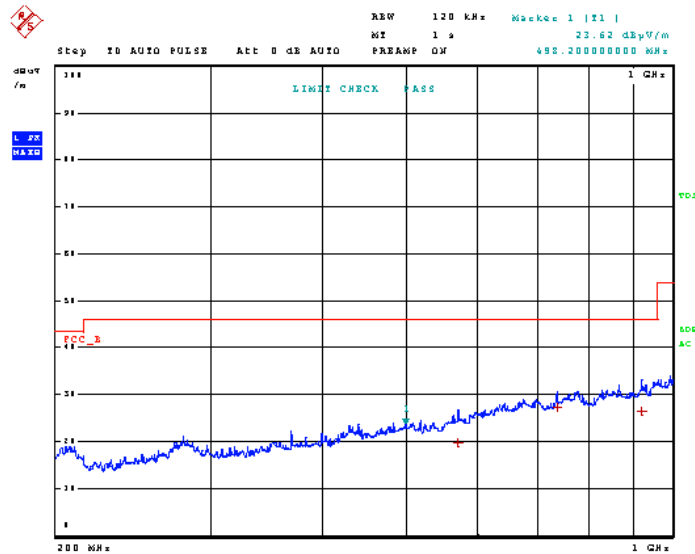
**Polarity**

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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## RADIATED SPURIOUS EMISSIONS

**Test Data: 54 MHz Field Strength Table, Vertical Polarity**

23.Jan 20 13:24

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     | 571.850000000 MHz | 19.82          | Quasi Peak | -26.18         |
| 1     | 739.880000000 MHz | 27.12          | Quasi Peak | -18.88         |
| 1     | 922.370000000 MHz | 26.32          | Quasi Peak | -19.68         |

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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

# RADIATED SPURIOUS EMISSIONS

**Test Data: 108 MHz Field Strength Plot, Horizontal Polarity**



23.Jan 20 13:26

**Test Spec** CISPR 22 Radiated Disturbances

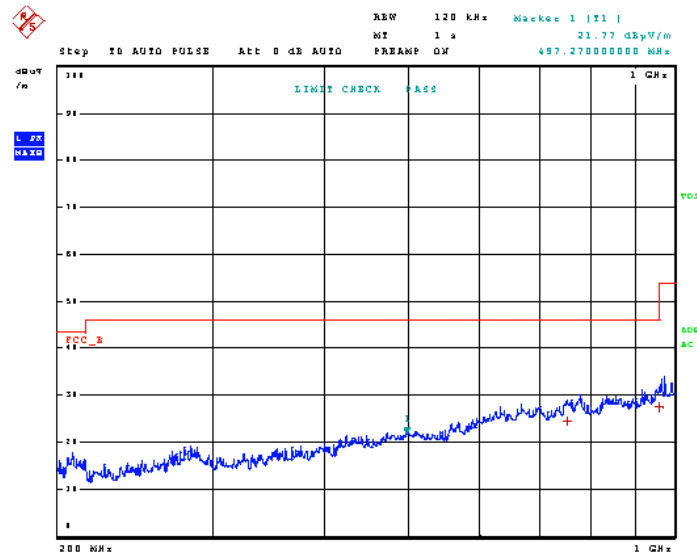
**Polarity**

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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## RADIATED SPURIOUS EMISSIONS

**Test Data: 108 MHz Field Strength Table, Horizontal Polarity**

23.Jan 20 13:26

Test Spec CISPR 22 Radiated Disturbances  
Polarity  
Horizontal

### Final Measurement

Meas Time: 1 s  
Margin: 20 dB  
Subranges: 2

| Trace | Frequency         | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|-------------------|----------------|------------|----------------|
| 1     | 754.580000000 MHz | 24.39          | Quasi Peak | -21.61         |
| 1     | 959.330000000 MHz | 27.50          | Quasi Peak | -18.50         |

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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

# RADIATED SPURIOUS EMISSIONS

**Test Data: 108 MHz Field Strength Plot, Vertical Polarity**



23.Jan 20 13:27

**Test Spec** CISPR 22 Radiated Disturbances

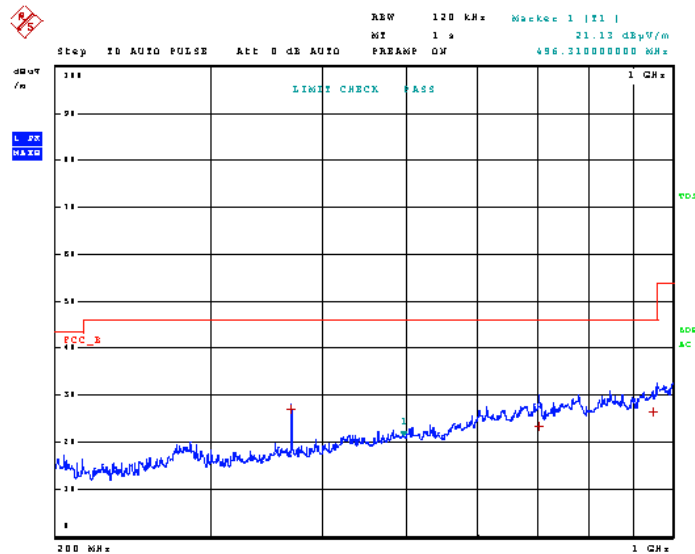
**Polarity**

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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_



## RADIATED SPURIOUS EMISSIONS

**Test Data: 108 MHz Field Strength Table, Vertical Polarity**

23.Jan 20 13:27

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     | 369.95000000 MHz | 27.08          | Quasi Peak | -18.92         |
| 1     | 706.37000000 MHz | 23.43          | Quasi Peak | -22.57         |
| 1     | 949.61000000 MHz | 26.27          | Quasi Peak | -19.73         |

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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

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# RADIATED SPURIOUS EMISSIONS

**Test Data: 174 MHz Field Strength Plot, Horizontal Polarity**



23.Jan 20 13:28

**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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## RADIATED SPURIOUS EMISSIONS

**Test Data: 174 MHz Field Strength Table, Horizontal Polarity**

23.Jan 20 13:28

Test Spec CISPR 22 Radiated Disturbances  
Polarity  
Horizontal

### Final Measurement

Meas Time: 1 s  
Margin: 20 dB  
Subranges: 2

| Trace | Frequency         | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|-------------------|----------------|------------|----------------|
| 1     | 751.640000000 MHz | 24.14          | Quasi Peak | -21.86         |
| 1     | 954.260000000 MHz | 26.98          | Quasi Peak | -19.02         |

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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

# RADIATED SPURIOUS EMISSIONS

**Test Data: 174 MHz Field Strength Plot, Vertical Polarity**



23.Jan 20 13:27

**Test Spec** CISPR 22 Radiated Disturbances

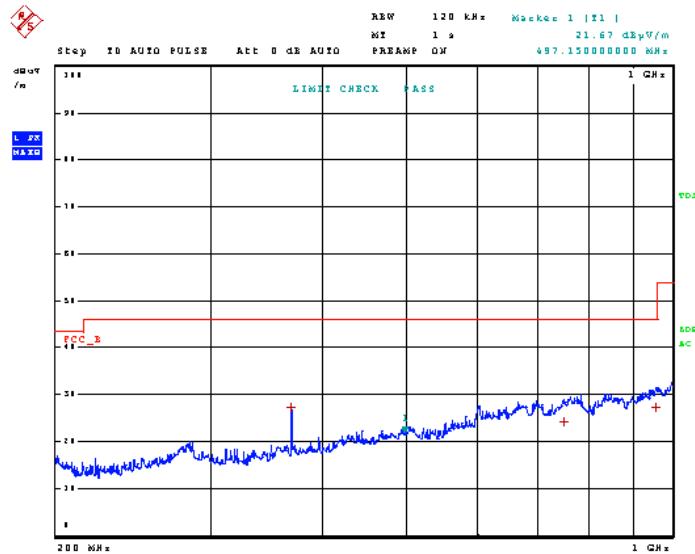
**Polarity**

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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## RADIATED SPURIOUS EMISSIONS

**Test Data:** 174 MHz Field Strength Table, Vertical Polarity

23.Jan 20 13:27

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     | 369.950000000 MHz | 27.17          | Quasi Peak | -18.83         |
| 1     | 753.200000000 MHz | 24.33          | Quasi Peak | -21.67         |
| 1     | 957.560000000 MHz | 27.27          | Quasi Peak | -18.73         |

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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

# RADIATED SPURIOUS EMISSIONS

**Test Data: 406 MHz Field Strength Plot, Horizontal Polarity**



23.Jan 20 13:29

**Test Spec** CISPR 22 Radiated Disturbances

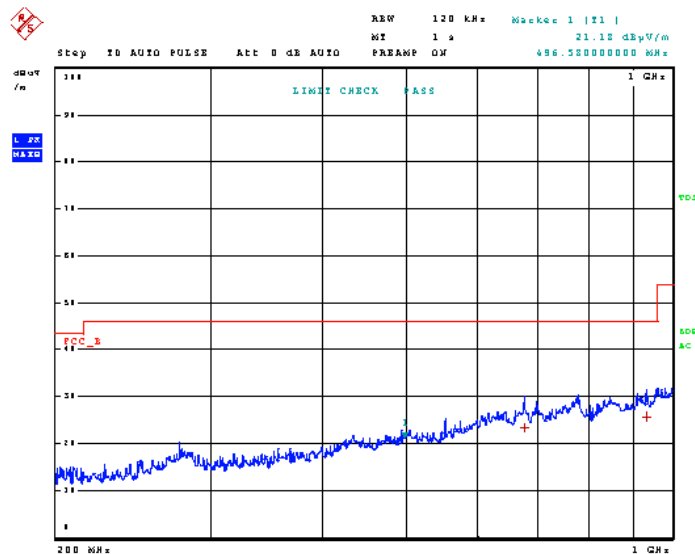
**Polarity**

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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## RADIATED SPURIOUS EMISSIONS

**Test Data: 406 MHz Field Strength Table, Horizontal Polarity**

23.Jan 20 13:29

Test Spec CISPR 22 Radiated Disturbances

Polarity

Horizontal

### Final Measurement

Meas Time: 1 s

Margin: 20 dB

Subranges: 2

| Trace | Frequency         | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|-------------------|----------------|------------|----------------|
| 1     | 679.400000000 MHz | 23.42          | Quasi Peak | -22.58         |
| 1     | 934.790000000 MHz | 25.78          | Quasi Peak | -20.22         |

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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

# RADIATED SPURIOUS EMISSIONS

**Test Data: 406 MHz Field Strength Plot, Vertical Polarity**



23.Jan 20 13:29

**Test Spec** CISPR 22 Radiated Disturbances

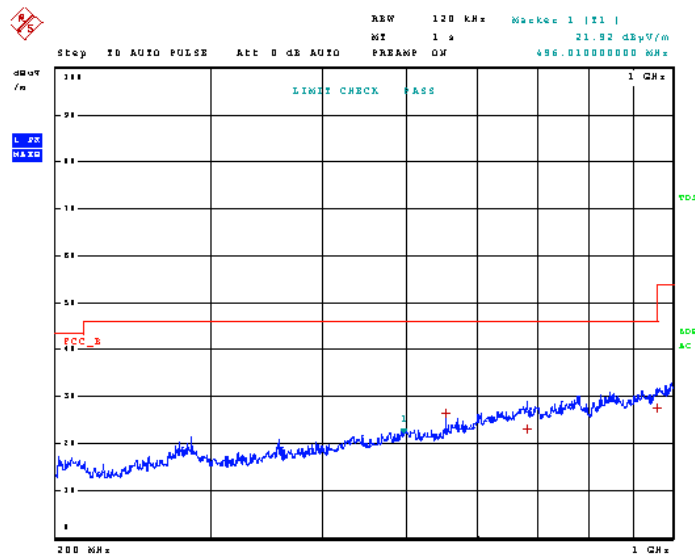
**Polarity**

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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_



## RADIATED SPURIOUS EMISSIONS

**Test Data: 406 MHz Field Strength Table, Vertical Polarity**

23.Jan 20 13:29

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     | 552.710000000 MHz | 26.34          | Quasi Peak | -19.66         |
| 1     | 683.720000000 MHz | 22.97          | Quasi Peak | -23.03         |
| 1     | 959.990000000 MHz | 27.54          | Quasi Peak | -18.46         |

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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

# RADIATED SPURIOUS EMISSIONS

**Test Data: 512 MHz Field Strength Plot, Horizontal Polarity**



23.Jan 20 13:31

**Test Spec** CISPR 22 Radiated Disturbances

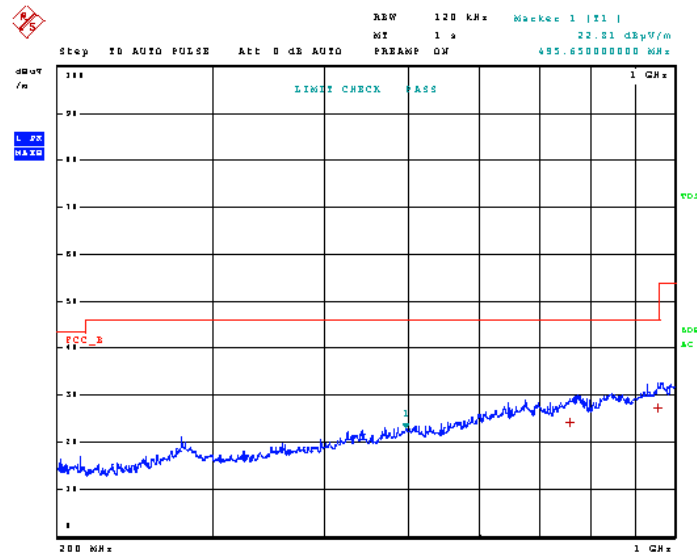
**Polarity**

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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## RADIATED SPURIOUS EMISSIONS

**Test Data: 512 MHz Field Strength Table, Horizontal Polarity**

23.Jan 20 13:31

Test Spec CISPR 22 Radiated Disturbances  
Polarity  
Horizontal

### Final Measurement

Meas Time: 1 s  
Margin: 20 dB  
Subranges: 2

| Trace | Frequency         | Level (dBμV/m) | Detector   | Delta Limit/dB |
|-------|-------------------|----------------|------------|----------------|
| 1     | 760.610000000 MHz | 24.27          | Quasi Peak | -21.73         |
| 1     | 956.690000000 MHz | 27.21          | Quasi Peak | -18.79         |

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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

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# RADIATED SPURIOUS EMISSIONS

**Test Data: 512 MHz Field Strength Plot, Vertical Polarity**



23.Jan 20 13:30

**Test Spec** CISPR 22 Radiated Disturbances

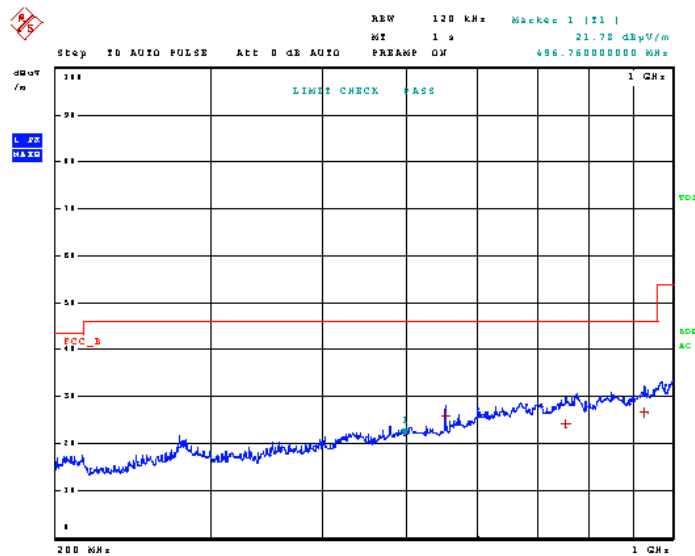
**Polarity**

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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## RADIATED SPURIOUS EMISSIONS

**Test Data: 512 MHz Field Strength Table, Vertical Polarity**

23.Jan 20 13:30

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     | 552.68000000 MHz | 25.98          | Quasi Peak | -20.02         |
| 1     | 757.37000000 MHz | 24.31          | Quasi Peak | -21.69         |
| 1     | 926.93000000 MHz | 26.51          | Quasi Peak | -19.49         |

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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

# RADIATED SPURIOUS EMISSIONS

Scanned 1 GHz to 12.5 GHz

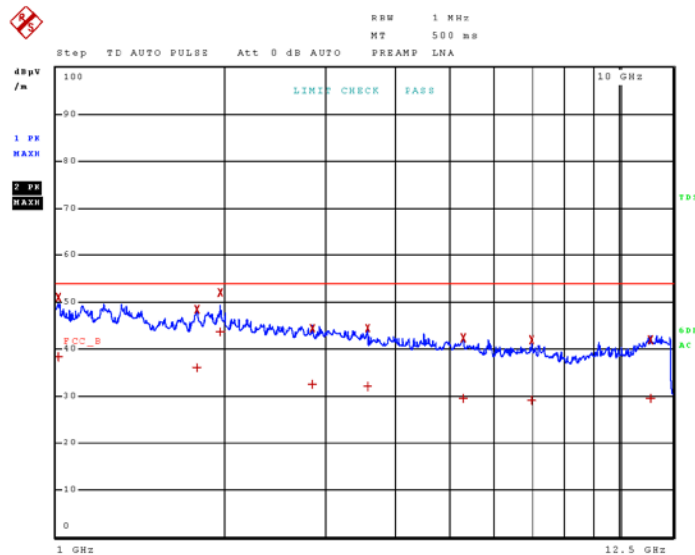
Test Data: 108 MHz Field Strength Plot, Horizontal Polarity

05.Feb.20 16:35

## 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\_05

| 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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

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## RADIATED SPURIOUS EMISSIONS

**Test Data: 108 MHz Field Strength Table, Horizontal Polarity**

05.Feb 20 16:35

### Final Measurement

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

| Trace | Frequency        | Level (dBμV/m) | Detector     | Delta Limit/dB |
|-------|------------------|----------------|--------------|----------------|
| 1     | 1.006750000 GHz  | 38.43          | CISPR Averag | -15.57         |
| 2     | 1.006750000 GHz  | 50.90          | Max Peak     |                |
| 1     | 1.778750000 GHz  | 35.95          | CISPR Averag | -18.05         |
| 2     | 1.778750000 GHz  | 48.47          | Max Peak     |                |
| 1     | 1.955000000 GHz  | 43.53          | CISPR Averag | -10.47         |
| 2     | 1.955000000 GHz  | 51.95          | Max Peak     |                |
| 1     | 2.857000000 GHz  | 32.39          | CISPR Averag | -21.61         |
| 2     | 2.857000000 GHz  | 44.52          | Max Peak     |                |
| 1     | 3.576750000 GHz  | 32.03          | CISPR Averag | -21.97         |
| 2     | 3.576750000 GHz  | 44.42          | Max Peak     |                |
| 1     | 5.289750000 GHz  | 29.53          | CISPR Averag | -24.47         |
| 2     | 5.289750000 GHz  | 42.32          | Max Peak     |                |
| 1     | 7.016000000 GHz  | 29.15          | CISPR Averag | -24.85         |
| 2     | 7.016000000 GHz  | 41.98          | Max Peak     |                |
| 1     | 11.398750000 GHz | 29.42          | CISPR Averag | -24.58         |
| 2     | 11.398750000 GHz | 42.01          | Max Peak     |                |

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Applicant: UNIDEN AMERICA CORPORATION  
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## RADIATED SPURIOUS EMISSIONS

**Test Data: 108 MHz Field Strength Table, Vertical Polarity**

05.Feb 20 16:37

### Final Measurement

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

| Trace | Frequency        | Level (dBμV/m) | Detector     | Delta Limit/dB |
|-------|------------------|----------------|--------------|----------------|
| 1     | 1.007500000 GHz  | 38.32          | CISPR Averag | -15.68         |
| 2     | 1.007500000 GHz  | 51.06          | Max Peak     |                |
| 1     | 1.412500000 GHz  | 36.78          | CISPR Averag | -17.22         |
| 2     | 1.412500000 GHz  | 49.04          | Max Peak     |                |
| 1     | 1.955000000 GHz  | 49.31          | CISPR Averag | -4.69          |
| 2     | 1.955000000 GHz  | 55.01          | Max Peak     |                |
| 1     | 2.713250000 GHz  | 33.37          | CISPR Averag | -20.63         |
| 2     | 2.713250000 GHz  | 45.82          | Max Peak     |                |
| 1     | 3.910000000 GHz  | 41.55          | CISPR Averag | -12.45         |
| 2     | 3.910000000 GHz  | 47.81          | Max Peak     |                |
| 1     | 5.321750000 GHz  | 29.83          | CISPR Averag | -24.17         |
| 2     | 5.321750000 GHz  | 42.48          | Max Peak     |                |
| 1     | 6.842250000 GHz  | 32.52          | CISPR Averag | -21.48         |
| 2     | 6.842250000 GHz  | 43.94          | Max Peak     |                |
| 1     | 12.386750000 GHz | 30.08          | CISPR Averag | -23.92         |
| 2     | 12.386750000 GHz | 42.60          | Max Peak     |                |

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## RADIATED SPURIOUS EMISSIONS

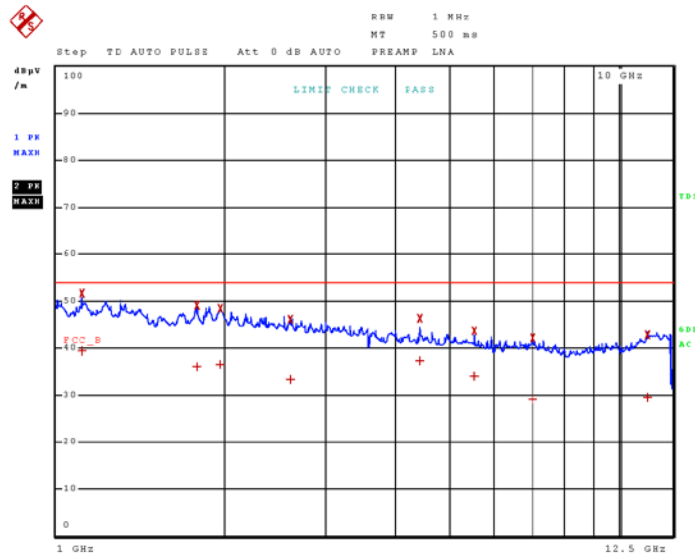
**Test Data: 174 MHz Field Strength Plot, Horizontal Polarity**

05.Feb 20 16:31

### 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\_05

| 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 |



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## RADIATED SPURIOUS EMISSIONS

**Test Data: 174 MHz Field Strength Table, Horizontal Polarity**

05.Feb 20 16:31

### Final Measurement

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

| Trace | Frequency        | Level (dBμV/m) | Detector     | Delta Limit/dB |
|-------|------------------|----------------|--------------|----------------|
| 1     | 1.109750000 GHz  | 39.46          | CISPR Averag | -14.54         |
| 2     | 1.109750000 GHz  | 51.55          | Max Peak     |                |
| 1     | 1.779500000 GHz  | 35.98          | CISPR Averag | -18.02         |
| 2     | 1.779500000 GHz  | 49.15          | Max Peak     |                |
| 1     | 1.957500000 GHz  | 36.36          | CISPR Averag | -17.64         |
| 2     | 1.957500000 GHz  | 48.42          | Max Peak     |                |
| 1     | 2.604500000 GHz  | 33.31          | CISPR Averag | -20.69         |
| 2     | 2.604500000 GHz  | 46.04          | Max Peak     |                |
| 1     | 4.438000000 GHz  | 37.20          | CISPR Averag | -16.80         |
| 2     | 4.438000000 GHz  | 46.26          | Max Peak     |                |
| 1     | 5.547750000 GHz  | 33.88          | CISPR Averag | -20.12         |
| 2     | 5.547750000 GHz  | 43.68          | Max Peak     |                |
| 1     | 7.021750000 GHz  | 29.07          | CISPR Averag | -24.93         |
| 2     | 7.021750000 GHz  | 42.16          | Max Peak     |                |
| 1     | 11.273500000 GHz | 29.42          | CISPR Averag | -24.58         |
| 2     | 11.273500000 GHz | 42.74          | Max Peak     |                |

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## RADIATED SPURIOUS EMISSIONS

**Test Data: 174 MHz Field Strength Table, Vertical Polarity**

05.Feb 20 16:27

### Final Measurement

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

| Trace | Frequency        | Level (dBμV/m) | Detector     | Delta Limit/dB |
|-------|------------------|----------------|--------------|----------------|
| 1     | 1.022250000 GHz  | 37.69          | CISPR Averag | -16.31         |
| 2     | 1.022250000 GHz  | 50.00          | Max Peak     |                |
| 1     | 1.764250000 GHz  | 36.07          | CISPR Averag | -17.93         |
| 2     | 1.764250000 GHz  | 48.85          | Max Peak     |                |
| 1     | 2.219000000 GHz  | 51.20          | CISPR Averag | -2.80          |
| 2     | 2.219000000 GHz  | 54.96          | Max Peak     |                |
| 1     | 2.604000000 GHz  | 33.32          | CISPR Averag | -20.68         |
| 2     | 2.604000000 GHz  | 46.39          | Max Peak     |                |
| 1     | 4.438000000 GHz  | 44.60          | CISPR Averag | -9.40          |
| 2     | 4.438000000 GHz  | 49.52          | Max Peak     |                |
| 1     | 5.547250000 GHz  | 36.47          | CISPR Averag | -17.53         |
| 2     | 5.547250000 GHz  | 44.40          | Max Peak     |                |
| 1     | 6.943500000 GHz  | 28.24          | CISPR Averag | -25.76         |
| 2     | 6.943500000 GHz  | 40.86          | Max Peak     |                |
| 1     | 12.073750000 GHz | 29.50          | CISPR Averag | -24.50         |
| 2     | 12.073750000 GHz | 42.10          | Max Peak     |                |

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## RADIATED SPURIOUS EMISSIONS

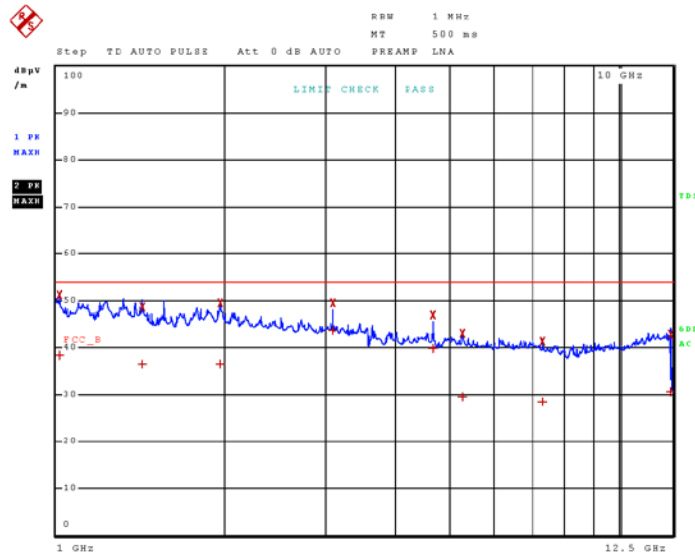
**Test Data: 406 MHz Field Strength Plot, Horizontal Polarity**

05.Feb 20 16:23

### 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\_05

| 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 |



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## RADIATED SPURIOUS EMISSIONS

**Test Data: 406 MHz Field Strength Table, Horizontal Polarity**

05.Feb 20 16:23

### Final Measurement

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

| Trace | Frequency        | Level (dBμV/m) | Detector     | Delta Limit/dB |
|-------|------------------|----------------|--------------|----------------|
| 1     | 1.011250000 GHz  | 38.35          | CISPR Averag | -15.65         |
| 2     | 1.011250000 GHz  | 51.08          | Max Peak     |                |
| 1     | 1.424250000 GHz  | 36.49          | CISPR Averag | -17.51         |
| 2     | 1.424250000 GHz  | 48.67          | Max Peak     |                |
| 1     | 1.957000000 GHz  | 36.44          | CISPR Averag | -17.56         |
| 2     | 1.957000000 GHz  | 49.57          | Max Peak     |                |
| 1     | 3.110250000 GHz  | 43.68          | CISPR Averag | -10.32         |
| 2     | 3.110250000 GHz  | 49.56          | Max Peak     |                |
| 1     | 4.665500000 GHz  | 39.91          | CISPR Averag | -14.09         |
| 2     | 4.665500000 GHz  | 46.85          | Max Peak     |                |
| 1     | 5.278250000 GHz  | 29.56          | CISPR Averag | -24.44         |
| 2     | 5.278250000 GHz  | 42.87          | Max Peak     |                |
| 1     | 7.336250000 GHz  | 28.41          | CISPR Averag | -25.59         |
| 2     | 7.336250000 GHz  | 41.22          | Max Peak     |                |
| 1     | 12.376250000 GHz | 30.49          | CISPR Averag | -23.51         |
| 2     | 12.376250000 GHz | 42.76          | Max Peak     |                |

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## RADIATED SPURIOUS EMISSIONS

**Test Data: 406 MHz Field Strength Table, Vertical Polarity**

05.Feb 20 16:25

### Final Measurement

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

| Trace | Frequency       | Level (dBµV/m) | Detector     | Delta Limit/dB |
|-------|-----------------|----------------|--------------|----------------|
| 1     | 1.001750000 GHz | 38.60          | CISPR Averag | -15.40         |
| 2     | 1.001750000 GHz | 51.56          | Max Peak     |                |
| 1     | 1.399250000 GHz | 36.75          | CISPR Averag | -17.25         |
| 2     | 1.399250000 GHz | 49.57          | Max Peak     |                |
| 1     | 1.964500000 GHz | 36.63          | CISPR Averag | -17.37         |
| 2     | 1.964500000 GHz | 49.54          | Max Peak     |                |
| 1     | 3.110250000 GHz | 52.84          | CISPR Averag | -1.16          |
| 2     | 3.110250000 GHz | 55.32          | Max Peak     |                |
| 1     | 4.665250000 GHz | 39.52          | CISPR Averag | -14.48         |
| 2     | 4.665250000 GHz | 46.71          | Max Peak     |                |
| 1     | 4.976250000 GHz | 30.62          | CISPR Averag | -23.38         |
| 2     | 4.976250000 GHz | 43.64          | Max Peak     |                |
| 1     | 6.803750000 GHz | 28.90          | CISPR Averag | -25.10         |
| 2     | 6.803750000 GHz | 41.59          | Max Peak     |                |
| 1     | 9.330750000 GHz | 38.03          | CISPR Averag | -15.97         |
| 2     | 9.330750000 GHz | 44.97          | Max Peak     |                |

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## RADIATED SPURIOUS EMISSIONS

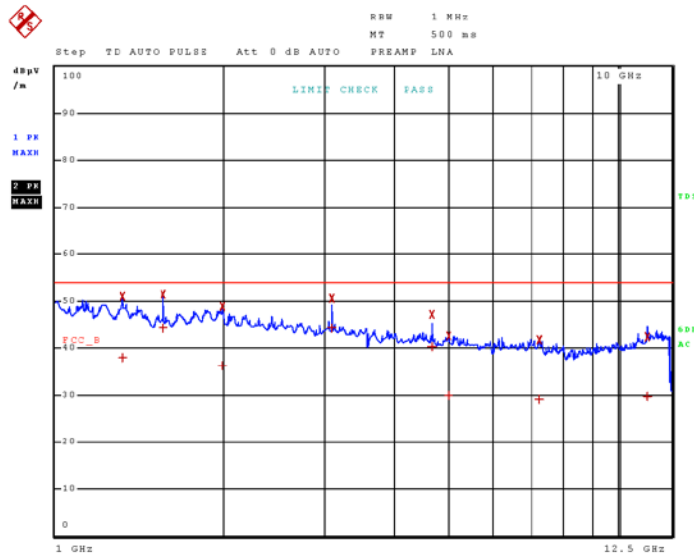
**Test Data: 512 MHz Field Strength Plot, Horizontal Polarity**

05.Feb 20 16:22

### 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\_05

| 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 |



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Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
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Report: 188UT20TestReport\_

## RADIATED SPURIOUS EMISSIONS

**Test Data: 512 MHz Field Strength Table, Horizontal Polarity**

05.Feb 20 16:22

### Final Measurement

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

| Trace | Frequency        | Level (dBμV/m) | Detector     | Delta Limit/dB |
|-------|------------------|----------------|--------------|----------------|
| 1     | 1.315000000 GHz  | 37.87          | CISPR Averag | -16.13         |
| 2     | 1.315000000 GHz  | 50.91          | Max Peak     |                |
| 1     | 1.555000000 GHz  | 44.27          | CISPR Averag | -9.73          |
| 2     | 1.555000000 GHz  | 51.41          | Max Peak     |                |
| 1     | 1.977750000 GHz  | 36.19          | CISPR Averag | -17.81         |
| 2     | 1.977750000 GHz  | 48.88          | Max Peak     |                |
| 1     | 3.110250000 GHz  | 44.28          | CISPR Averag | -9.72          |
| 2     | 3.110250000 GHz  | 50.50          | Max Peak     |                |
| 1     | 4.665500000 GHz  | 40.28          | CISPR Averag | -13.72         |
| 2     | 4.665500000 GHz  | 47.12          | Max Peak     |                |
| 1     | 4.999250000 GHz  | 29.98          | CISPR Averag | -24.02         |
| 2     | 4.999250000 GHz  | 42.63          | Max Peak     |                |
| 1     | 7.256250000 GHz  | 29.09          | CISPR Averag | -24.91         |
| 2     | 7.256250000 GHz  | 41.63          | Max Peak     |                |
| 1     | 11.289250000 GHz | 29.81          | CISPR Averag | -24.19         |
| 2     | 11.289250000 GHz | 42.30          | Max Peak     |                |

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## RADIATED SPURIOUS EMISSIONS

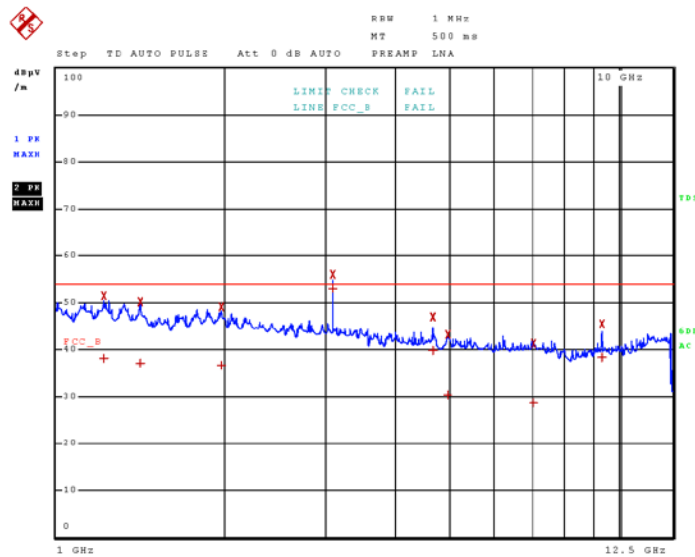
**Test Data: 512 MHz Field Strength Plot, Vertical Polarity**

05.Feb 20 16:20

### 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\_05

| 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 |



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Applicant: UNIDEN AMERICA CORPORATION  
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## RADIATED SPURIOUS EMISSIONS

**Test Data: 512 MHz Field Strength Table, Vertical Polarity**

05.Feb 20 16:20

### Final Measurement

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

| Trace | Frequency       | Level (dBμV/m) | Detector     | Delta Limit/dB |
|-------|-----------------|----------------|--------------|----------------|
| 1     | 1.216500000 GHz | 38.17          | CISPR Averag | -15.83         |
| 2     | 1.216500000 GHz | 51.46          | Max Peak     |                |
| 1     | 1.411250000 GHz | 36.99          | CISPR Averag | -17.01         |
| 2     | 1.411250000 GHz | 50.14          | Max Peak     |                |
| 1     | 1.963750000 GHz | 36.70          | CISPR Averag | -17.30         |
| 2     | 1.963750000 GHz | 48.98          | Max Peak     |                |
| 1     | 3.110250000 GHz | 53.13          | CISPR Averag | -0.87          |
| 2     | 3.110250000 GHz | 55.89          | Max Peak     |                |
| 1     | 4.665250000 GHz | 39.71          | CISPR Averag | -14.29         |
| 2     | 4.665250000 GHz | 46.95          | Max Peak     |                |
| 1     | 4.970500000 GHz | 30.45          | CISPR Averag | -23.55         |
| 2     | 4.970500000 GHz | 43.23          | Max Peak     |                |
| 1     | 7.073750000 GHz | 28.59          | CISPR Averag | -25.41         |
| 2     | 7.073750000 GHz | 41.35          | Max Peak     |                |
| 1     | 9.330500000 GHz | 38.35          | CISPR Averag | -15.65         |
| 2     | 9.330500000 GHz | 45.39          | Max Peak     |                |

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Applicant: UNIDEN AMERICA CORPORATION  
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## RADIATED SPURIOUS EMISSIONS

### ANTENNA CONDUCTED POWER

**Rule Part No.:** FCC Part 15 Subpart B

**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

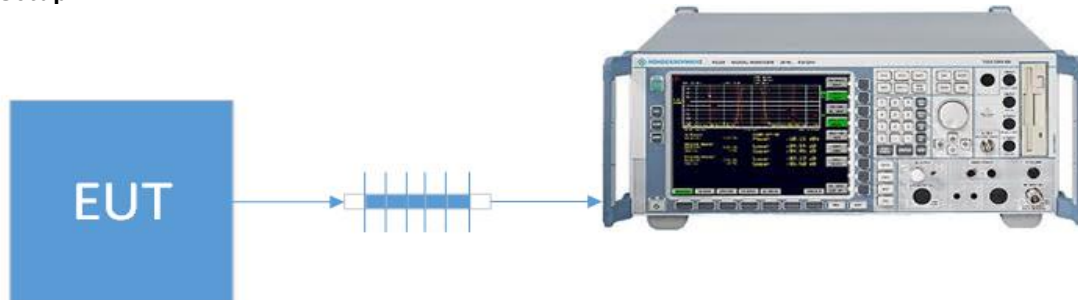
ANSI C63.4 Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment 9 kHz to 40 GHz

§ 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, all while the antenna terminals are connected to a EMI receiver through a 50  $\Omega$  coaxial cable.

**Setup:**



**Results:** N/A.

## POWER LINE CONDUCTED INTERFERENCE

**Rules Part No.:** Part 15.107, RSS-GEN sec 8.8

**Requirements:**

| Frequency<br>(MHz)                     | Quasi Peak Limits<br>(dB $\mu$ V) | Average Limits (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 |                                   |                             |

## POWER LINE CONDUCTED INTERFERENCE

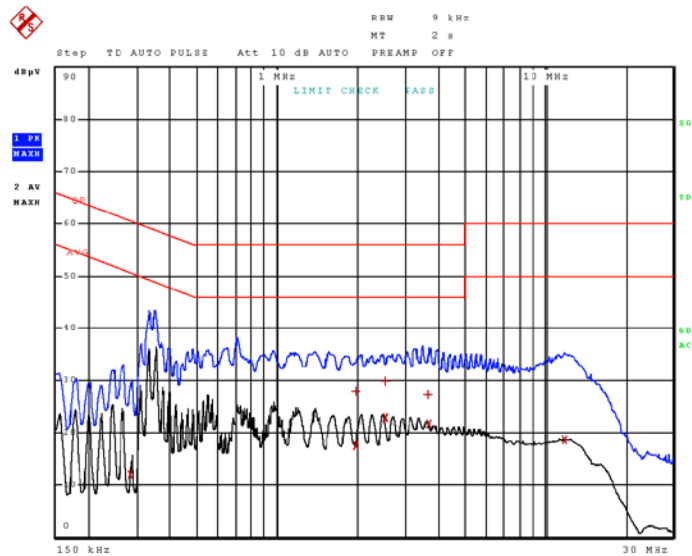
Test Data: Scanning, Line 1 Peak Plot

22.Jan 20 15:32

### 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: 8

| Trace | Frequency        | Level (dBμV) | Detector   | Delta Limit/dB |
|-------|------------------|--------------|------------|----------------|
| 2     | 280.50000000 kHz | 11.97        | Average    | -38.83         |
| 2     | 1.970250000 MHz  | 17.41        | Average    | -28.59         |
| 1     | 1.974750000 MHz  | 27.84        | Quasi Peak | -28.16         |
| 1     | 2.526000000 MHz  | 29.72        | Quasi Peak | -26.28         |
| 2     | 2.532750000 MHz  | 22.69        | Average    | -23.31         |
| 1     | 3.655500000 MHz  | 27.26        | Quasi Peak | -28.74         |
| 2     | 3.657750000 MHz  | 21.59        | Average    | -24.41         |
| 2     | 11.775750000 MHz | 18.55        | Average    | -31.45         |

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## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_



## POWER LINE CONDUCTED INTERFERENCE

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

22 Jan 20 15:32

### 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   | 0.20        |
| 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        |

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## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

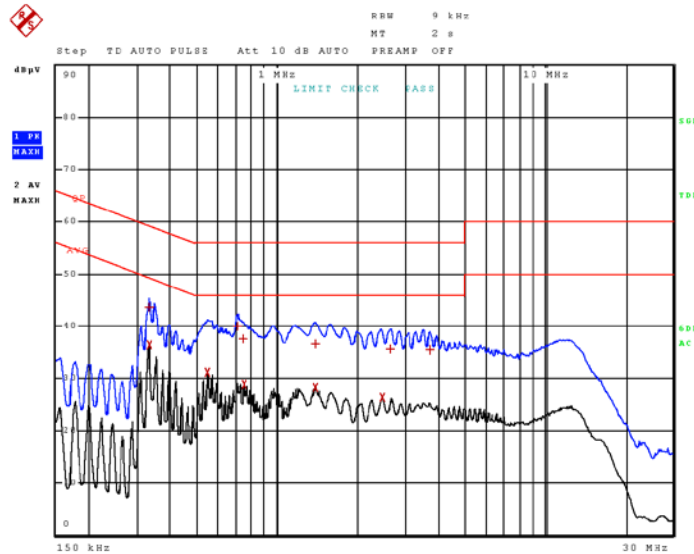
Test Data: Scanning, Line 2 Peak Plot

22.Jan 20 15:45

### 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 |



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## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

Test Data: Scanning, Line 2 Peak Plot Table

22.Jan 20 15:45

### Final Measurement

Meas Time: 2 s  
Margin: 20 dB  
Subranges: 11

| Trace | Frequency         | Level (dBµV) | Detector   | Delta Limit/dB |
|-------|-------------------|--------------|------------|----------------|
| 2     | 330.000000000 kHz | 36.37        | Average    | -13.08         |
| 1     | 332.250000000 kHz | 43.51        | Quasi Peak | -15.88         |
| 2     | 548.250000000 kHz | 31.03        | Average    | -14.97         |
| 1     | 708.000000000 kHz | 39.91        | Quasi Peak | -16.09         |
| 1     | 744.000000000 kHz | 37.48        | Quasi Peak | -18.52         |
| 2     | 748.500000000 kHz | 28.91        | Average    | -17.09         |
| 1     | 1.380750000 MHz   | 36.55        | Quasi Peak | -19.45         |
| 2     | 1.387500000 MHz   | 28.33        | Average    | -17.67         |
| 2     | 2.476500000 MHz   | 26.39        | Average    | -19.61         |
| 1     | 2.649750000 MHz   | 35.57        | Quasi Peak | -20.43         |
| 1     | 3.702750000 MHz   | 35.37        | Quasi Peak | -20.63         |

### 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        |

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## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

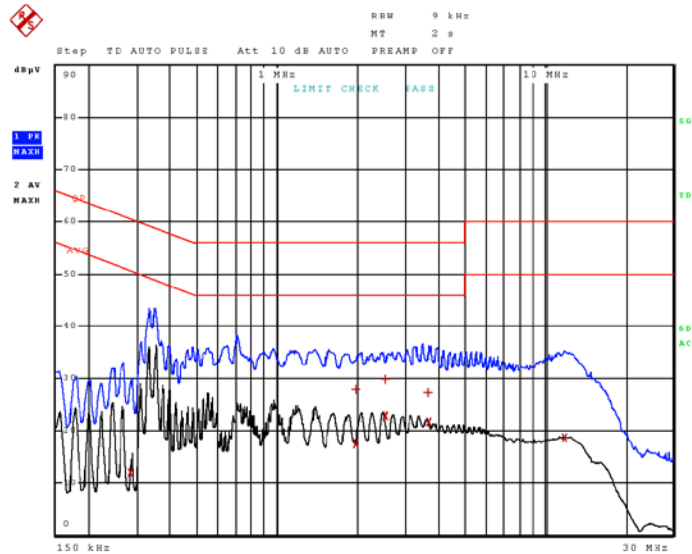
Test Data: Tuned to 25 MHz, Line 1 Peak Plot

22.Jan 20 15:32

### 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: 8

| Trace | Frequency        | Level (dBμV) | Detector   | Delta Limit/dB |
|-------|------------------|--------------|------------|----------------|
| 2     | 280.50000000 kHz | 11.97        | Average    | -38.83         |
| 2     | 1.970250000 MHz  | 17.41        | Average    | -28.59         |
| 1     | 1.974750000 MHz  | 27.84        | Quasi Peak | -28.16         |
| 1     | 2.526000000 MHz  | 29.72        | Quasi Peak | -26.28         |
| 2     | 2.532750000 MHz  | 22.69        | Average    | -23.31         |
| 1     | 3.655500000 MHz  | 27.26        | Quasi Peak | -28.74         |
| 2     | 3.657750000 MHz  | 21.59        | Average    | -24.41         |
| 2     | 11.775750000 MHz | 18.55        | Average    | -31.45         |

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## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

**Test Data:** Tuned to 25 MHz, Line 1 Peak Plot Table

22 Jan 20 15:32

### 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   | 0.20        |
| 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        |

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## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

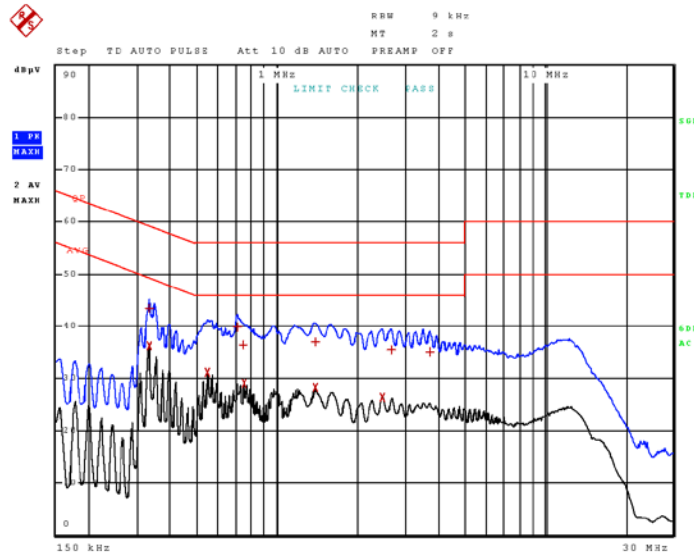
Test Data: Tuned to 25 MHz, Line 2 Peak Plot

22.Jan 20 15:41

### 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 |



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## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

Test Data: Tuned to 25 MHz, Line 2 Peak Plot Table

22.Jan 20 15:41

### Final Measurement

Meas Time: 2 s  
Margin: 20 dB  
Subranges: 11

| Trace | Frequency        | Level (dBμV) | Detector   | Delta Limit/dB |
|-------|------------------|--------------|------------|----------------|
| 2     | 330.00000000 kHz | 36.27        | Average    | -13.18         |
| 1     | 332.25000000 kHz | 43.47        | Quasi Peak | -15.93         |
| 2     | 548.25000000 kHz | 31.01        | Average    | -14.99         |
| 1     | 708.00000000 kHz | 39.85        | Quasi Peak | -16.15         |
| 1     | 741.75000000 kHz | 36.44        | Quasi Peak | -19.56         |
| 2     | 748.50000000 kHz | 28.93        | Average    | -17.07         |
| 1     | 1.385250000 MHz  | 37.00        | Quasi Peak | -19.00         |
| 2     | 1.387500000 MHz  | 28.35        | Average    | -17.65         |
| 2     | 2.476500000 MHz  | 26.38        | Average    | -19.62         |
| 1     | 2.670000000 MHz  | 35.46        | Quasi Peak | -20.54         |
| 1     | 3.702750000 MHz  | 35.07        | Quasi Peak | -20.93         |

### 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        |

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## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

# POWER LINE CONDUCTED INTERFERENCE

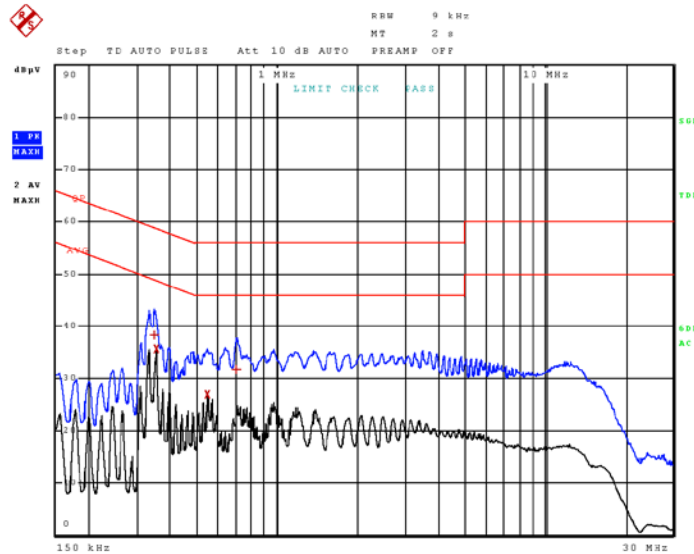
Test Data: Tuned to 54 MHz, Line 1 Peak Plot

22.Jan 20 15:48

## 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     | 345.75000000 kHz | 38.34        | Quasi Peak | -20.73         |
| 2     | 350.25000000 kHz | 35.59        | Average    | -13.37         |
| 2     | 548.25000000 kHz | 26.85        | Average    | -19.15         |
| 1     | 701.25000000 kHz | 31.68        | Quasi Peak | -24.32         |

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## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_



## POWER LINE CONDUCTED INTERFERENCE

**Test Data:** Tuned to 54 MHz, Line 1 Peak Plot Table

22 Jan 20 15:48

### 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        |

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## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

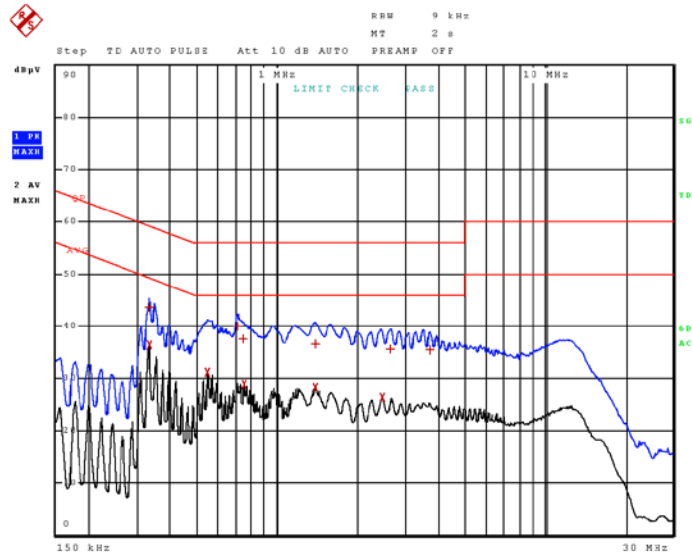
Test Data: Tuned to 54 MHz, Line 2 Peak Plot

22.Jan 20 15:45

### 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 |



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## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

Test Data: Tuned to 54 MHz, Line 2 Peak Plot Table

22.Jan 20 15:45

### Final Measurement

Meas Time: 2 s  
Margin: 20 dB  
Subranges: 11

| Trace | Frequency        | Level (dBµV) | Detector   | Delta Limit/dB |
|-------|------------------|--------------|------------|----------------|
| 2     | 330.00000000 kHz | 36.37        | Average    | -13.08         |
| 1     | 332.25000000 kHz | 43.51        | Quasi Peak | -15.88         |
| 2     | 548.25000000 kHz | 31.03        | Average    | -14.97         |
| 1     | 708.00000000 kHz | 39.91        | Quasi Peak | -16.09         |
| 1     | 744.00000000 kHz | 37.48        | Quasi Peak | -18.52         |
| 2     | 748.50000000 kHz | 28.91        | Average    | -17.09         |
| 1     | 1.380750000 MHz  | 36.55        | Quasi Peak | -19.45         |
| 2     | 1.387500000 MHz  | 28.33        | Average    | -17.67         |
| 2     | 2.476500000 MHz  | 26.39        | Average    | -19.61         |
| 1     | 2.649750000 MHz  | 35.57        | Quasi Peak | -20.43         |
| 1     | 3.702750000 MHz  | 35.37        | Quasi Peak | -20.63         |

### 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        |

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## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

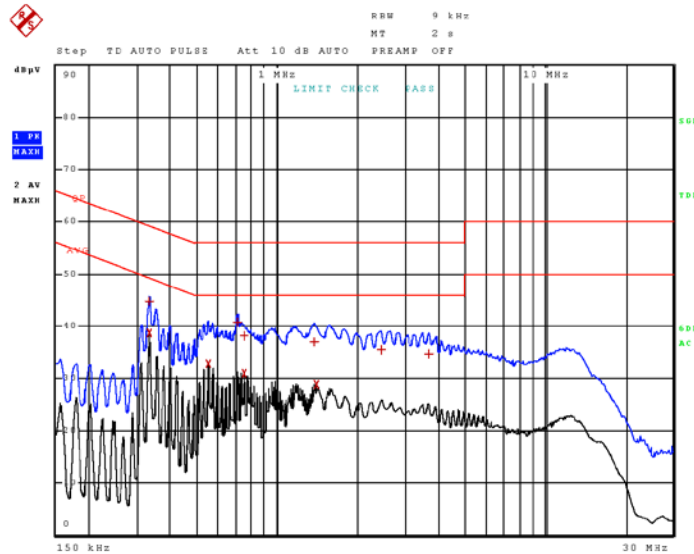
Test Data: Tuned to 108 MHz, Line 1 Peak Plot

22.Jan 20 15:52

### 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 |



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## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

**Test Data:** Tuned to 108 MHz, Line 1 Peak Plot Table

22.Jan 20 15:52

### Final Measurement

Meas Time: 2 s  
Margin: 20 dB  
Subranges: 10

| Trace | Frequency         | Level (dBμV) | Detector   | Delta Limit/dB |
|-------|-------------------|--------------|------------|----------------|
| 1     | 332.250000000 kHz | 44.75        | Quasi Peak | -14.64         |
| 2     | 332.250000000 kHz | 38.60        | Average    | -10.79         |
| 2     | 552.750000000 kHz | 32.81        | Average    | -13.19         |
| 1     | 708.000000000 kHz | 40.76        | Quasi Peak | -15.24         |
| 1     | 750.750000000 kHz | 38.10        | Quasi Peak | -17.90         |
| 2     | 753.000000000 kHz | 30.93        | Average    | -15.07         |
| 1     | 1.369500000 MHz   | 36.99        | Quasi Peak | -19.01         |
| 2     | 1.394250000 MHz   | 28.83        | Average    | -17.17         |
| 1     | 2.440500000 MHz   | 35.36        | Quasi Peak | -20.64         |
| 1     | 3.682500000 MHz   | 34.71        | Quasi Peak | -21.29         |

### 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   | 0.28        |
| 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        |

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## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

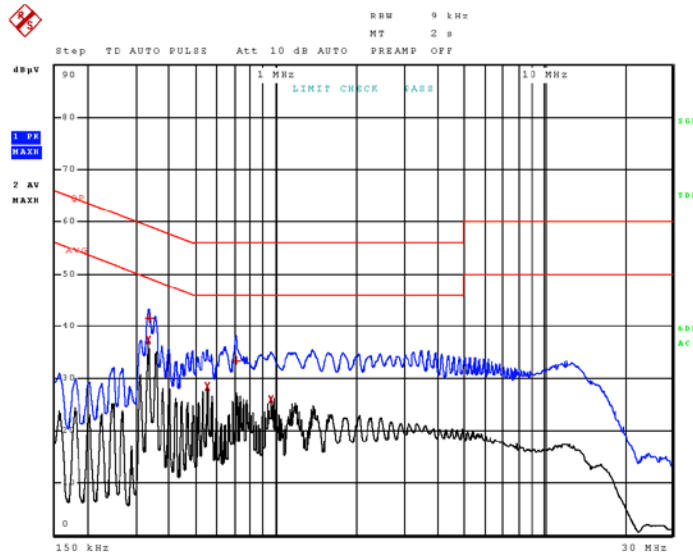
Test Data: Tuned to 108 MHz, Line 2 Peak Plot

22.Jan 20 15:49

### 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: 5

| Trace | Frequency        | Level (dBμV) | Detector   | Delta Limit/dB |
|-------|------------------|--------------|------------|----------------|
| 2     | 332.25000000 kHz | 37.35        | Average    | -12.05         |
| 1     | 334.50000000 kHz | 41.41        | Quasi Peak | -17.93         |
| 2     | 552.75000000 kHz | 28.48        | Average    | -17.52         |
| 1     | 705.75000000 kHz | 33.28        | Quasi Peak | -22.72         |
| 2     | 953.25000000 kHz | 26.00        | Average    | -20.00         |

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## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

**Test Data:** Tuned to 108 MHz, Line 2 Peak Plot Table

22 Jan 20 15:49

### 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        |

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## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

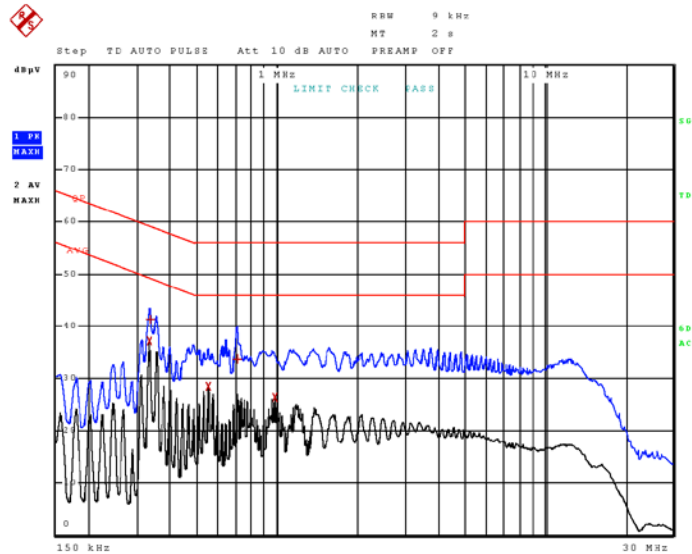
Test Data: Tuned to 174 MHz, Line 1 Peak Plot

22.Jan 20 15:58

### 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: 5

| Trace | Frequency        | Level (dBμV) | Detector   | Delta Limit/dB |
|-------|------------------|--------------|------------|----------------|
| 2     | 332.25000000 kHz | 37.22        | Average    | -12.17         |
| 1     | 334.50000000 kHz | 41.25        | Quasi Peak | -18.09         |
| 2     | 552.75000000 kHz | 28.50        | Average    | -17.50         |
| 1     | 705.75000000 kHz | 33.75        | Quasi Peak | -22.25         |
| 2     | 973.50000000 kHz | 26.29        | Average    | -19.71         |

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## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_



## POWER LINE CONDUCTED INTERFERENCE

**Test Data:** Tuned to 174 MHz, Line 1 Peak Plot Table

22 Jan 20 15:58

### 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: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

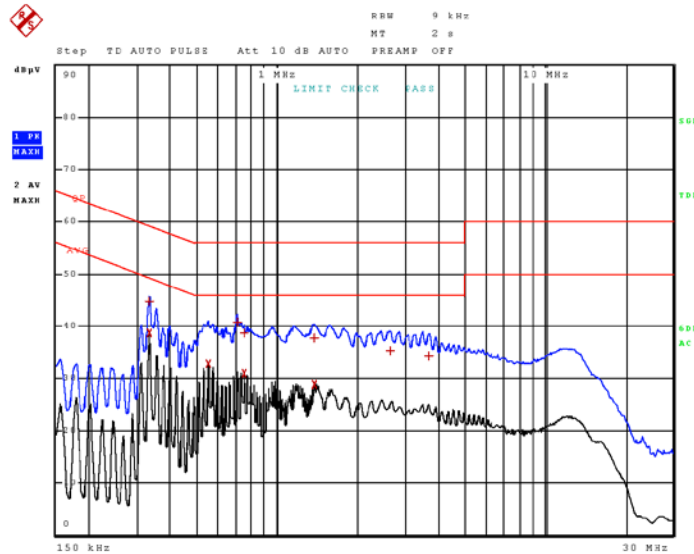
Test Data: Tuned to 174 MHz, Line 2 Peak Plot

22.Jan.20 15:56

### 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: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

**Test Data:** Tuned to 174 MHz, Line 2 Peak Plot Table

22.Jan 20 15:56

### Final Measurement

Meas Time: 2 s  
Margin: 20 dB  
Subranges: 10

| Trace | Frequency         | Level (dBµV) | Detector   | Delta Limit/dB |
|-------|-------------------|--------------|------------|----------------|
| 1     | 332.250000000 kHz | 44.76        | Quasi Peak | -14.63         |
| 2     | 332.250000000 kHz | 38.58        | Average    | -10.81         |
| 2     | 552.750000000 kHz | 32.86        | Average    | -13.14         |
| 1     | 708.000000000 kHz | 40.71        | Quasi Peak | -15.29         |
| 1     | 753.000000000 kHz | 38.74        | Quasi Peak | -17.26         |
| 2     | 753.000000000 kHz | 30.87        | Average    | -15.13         |
| 1     | 1.371750000 MHz   | 37.74        | Quasi Peak | -18.26         |
| 2     | 1.371750000 MHz   | 28.77        | Average    | -17.23         |
| 1     | 2.638500000 MHz   | 35.22        | Quasi Peak | -20.78         |
| 1     | 3.680250000 MHz   | 34.29        | Quasi Peak | -21.71         |

### 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: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

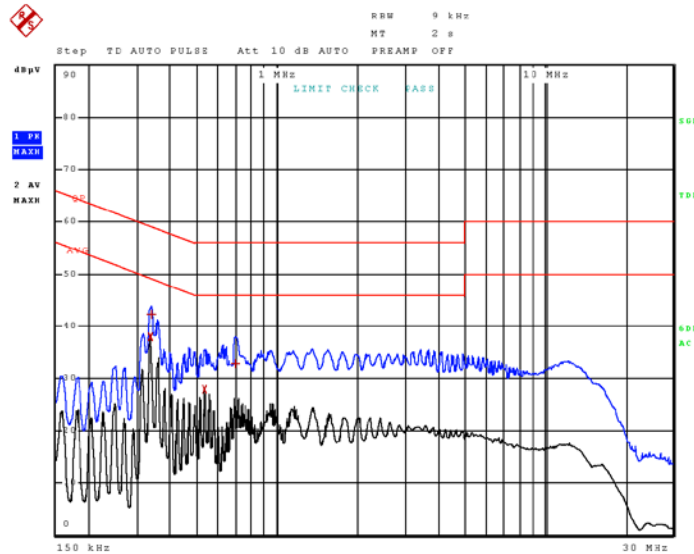
Test Data: Tuned to 406 MHz, Line 1 Peak Plot

22.Jan 20 16:08

### 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 |
|-------|------------------|--------------|------------|----------------|
| 2     | 334.50000000 kHz | 37.84        | Average    | -11.50         |
| 1     | 336.75000000 kHz | 42.27        | Quasi Peak | -17.01         |
| 2     | 534.75000000 kHz | 27.86        | Average    | -18.14         |
| 1     | 694.50000000 kHz | 32.87        | Quasi Peak | -23.13         |

Page 1 of 2

## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

**Test Data:** Tuned to 406 MHz, Line 1 Peak Plot Table

22 Jan 20 16:08

### 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: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

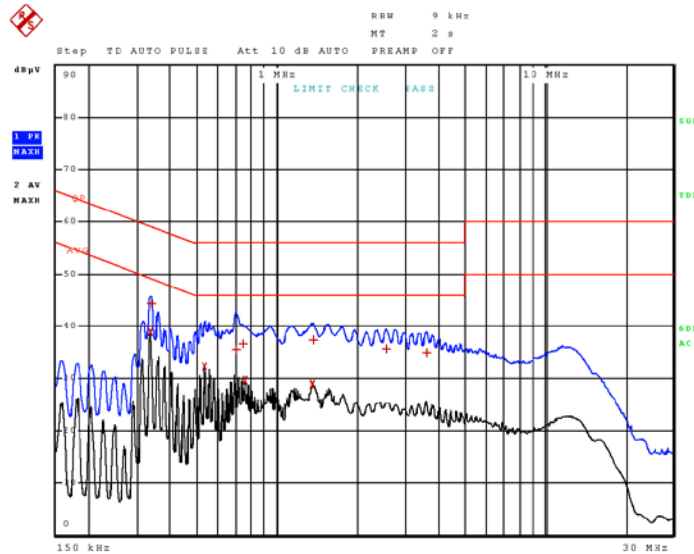
Test Data: Tuned to 406 MHz, Line 2 Peak Plot

22.Jan 20 16:10

### 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: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

**Test Data:** Tuned to 406 MHz, Line 2 Peak Plot Table

22.Jan 20 16:10

### Final Measurement

Meas Time: 2 s  
Margin: 20 dB  
Subranges: 10

| Trace | Frequency         | Level (dBμV) | Detector   | Delta Limit/dB |
|-------|-------------------|--------------|------------|----------------|
| 2     | 334.500000000 kHz | 38.86        | Average    | -10.48         |
| 1     | 336.750000000 kHz | 44.39        | Quasi Peak | -14.89         |
| 2     | 534.750000000 kHz | 32.16        | Average    | -13.84         |
| 1     | 701.250000000 kHz | 35.49        | Quasi Peak | -20.51         |
| 1     | 741.750000000 kHz | 36.66        | Quasi Peak | -19.34         |
| 2     | 757.500000000 kHz | 29.58        | Average    | -16.42         |
| 2     | 1.356000000 MHz   | 28.77        | Average    | -17.23         |
| 1     | 1.358250000 MHz   | 37.36        | Quasi Peak | -18.64         |
| 1     | 2.555250000 MHz   | 35.58        | Quasi Peak | -20.42         |
| 1     | 3.608250000 MHz   | 34.98        | Quasi Peak | -21.02         |

### 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        |

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## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

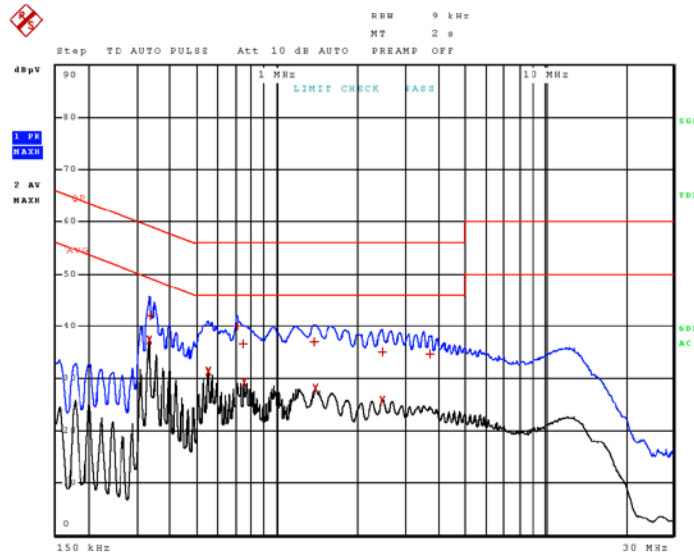
Test Data: Tuned to 512 MHz, Line 1 Peak Plot

22.Jan 20 16:02

### 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: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_



## POWER LINE CONDUCTED INTERFERENCE

**Test Data:** Tuned to 512 MHz, Line 1 Peak Plot Table

22.Jan 20 16:02

### Final Measurement

Meas Time: 2 s  
Margin: 20 dB  
Subranges: 11

| Trace | Frequency        | Level (dBμV) | Detector   | Delta Limit/dB |
|-------|------------------|--------------|------------|----------------|
| 2     | 330.00000000 kHz | 37.30        | Average    | -12.15         |
| 1     | 334.50000000 kHz | 42.10        | Quasi Peak | -17.24         |
| 2     | 550.50000000 kHz | 31.21        | Average    | -14.79         |
| 1     | 705.75000000 kHz | 39.91        | Quasi Peak | -16.09         |
| 1     | 744.00000000 kHz | 36.53        | Quasi Peak | -19.47         |
| 2     | 750.75000000 kHz | 29.23        | Average    | -16.77         |
| 1     | 1.371750000 MHz  | 37.03        | Quasi Peak | -18.97         |
| 2     | 1.389750000 MHz  | 28.16        | Average    | -17.84         |
| 1     | 2.463000000 MHz  | 35.05        | Quasi Peak | -20.95         |
| 2     | 2.472000000 MHz  | 25.87        | Average    | -20.13         |
| 1     | 3.723000000 MHz  | 34.73        | Quasi Peak | -21.27         |

### 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        |

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## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

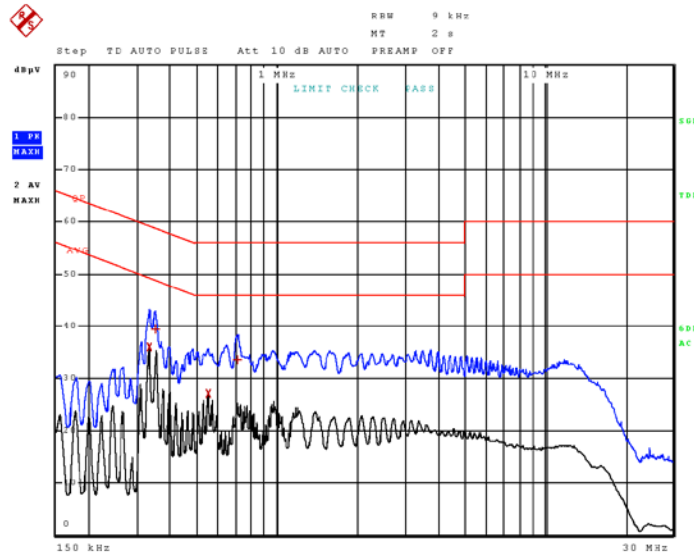
Test Data: Tuned to 512 MHz, Line 2 Peak Plot

22.Jan 20 16:07

### 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 |
|-------|-------------------|--------------|------------|----------------|
| 2     | 330.000000000 kHz | 35.95        | Average    | -13.50         |
| 1     | 348.000000000 kHz | 39.49        | Quasi Peak | -19.52         |
| 2     | 550.500000000 kHz | 27.21        | Average    | -18.79         |
| 1     | 708.000000000 kHz | 33.56        | Quasi Peak | -22.44         |

Page 1 of 2

## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

## POWER LINE CONDUCTED INTERFERENCE

**Test Data:** Tuned to 512 MHz, Line 2 Peak Plot Table

22 Jan 20 16:07

### 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        |

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## Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_

# TEST EQUIPMENT LIST

| Device                                                    | Manufacturer       | Model                               | Serial Number                                           | Cal / Char Date | Due Date |
|-----------------------------------------------------------|--------------------|-------------------------------------|---------------------------------------------------------|-----------------|----------|
| Antenna:<br>Biconical<br>1096                             | Eaton              | 94455-1                             | 1096                                                    | 08/01/17        | 08/01/20 |
| Antenna:<br>Log-Periodic<br>1243                          | Electro-Metrics    | LPA-25                              | 1243                                                    | 03/29/18        | 03/29/20 |
| CHAMBER                                                   | Panashield         | 3M                                  | N/A                                                     | 12/31/17        | 12/31/19 |
| Antenna:<br>Double-<br>Ridged<br>Horn/ETS<br>Horn 2       | ETS-Lindgren       | 3117                                | 00041534                                                | 03/01/17        | 03/01/20 |
| Software:<br>Field<br>Strength<br>Program                 | Timco              | N/A                                 | Version<br>4.10.7.0                                     | N/A             | N/A      |
| Antenna:<br>Active Loop                                   | ETS-Lindgren       | 6502                                | 00062529                                                | 12/11/17        | 12/11/19 |
| EMI Test<br>Receiver R &<br>S ESU 40<br>Chamber           | Rohde &<br>Schwarz | ESU 40                              | 100320                                                  | 08/28/18        | 08/28/21 |
| Coaxial<br>Cable -<br>Chamber 3<br>cable set<br>(Primary) | Micro-Coax         | Chamber 3<br>cable set<br>(Primary) | KMKM-0244-<br>01; KMKM-<br>0670-00;<br>KFKF-0198-<br>01 | 02/29/19        | 02/29/21 |
| Bore-sight<br>Antenna<br>Positioning<br>Tower             | Sunol Sciences     | TLT2                                | N/A                                                     | N/A             | N/A      |

## \*EMI RECEIVER SOFTWARE VERSION

The receiver firmware used was version 4.43 Service Pack 3

## END OF TEST REPORT

Applicant: UNIDEN AMERICA CORPORATION  
FCC ID: AMWUB371B  
IC: 513C-UB371B  
Report: 188UT20TestReport\_