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

Applicant	UNIDEN AMERICA CORPORATION
Address	6225 N. State High 161 Suite 300 Irving, TX 75038
FCC ID:	AMWUB370
IC	513C-UB370
Model Number	BC125AT
Product Description	SCANNING RECEIVER
Date Sample Received	5/13/2020
Final Test Date	5/20/2020
Tested By	Tim Royer
Test Results	<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL

Report Number	Version Number	Description	Issue Date
1177AUT20TestReport	---	Initial Issue	5/29/2020

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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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 5/29/2020

GENERAL INFORMATION

EUT Description	SCANNING RECEIVER
FCC ID	AMWUB370
IC	513C-UB370
Model Number	BC125AT
Range	0.1 - 512 MHz
Receiver Circuit Type	Superheterodyne Highest local oscillator 777.55MHz, Highest test frequency 1.551GHz
Lowest Internal Frequency	> 9 kHz
Antenna Connector	BNC
EUT Power Source	<input checked="" type="checkbox"/> 110-120Vac/50- 60Hz
	<input type="checkbox"/> 13.8 VDC Nominal (Optional)
	<input type="checkbox"/> Battery Operated Exclusively
Test Item	<input type="checkbox"/> Prototype
	<input checked="" type="checkbox"/> Pre-Production
	<input type="checkbox"/> Production
Modifications required for Testing	None
Test Site	Timco Engineering, Inc. 849 NW State Road 45 Newberry, FL 32669 Designation #US1070 ISED CAB #US0111 ISED Test Site #2056A

REPORT SUMMARY

Regulatory Standard	CFR Title 47 FCC Rule part 15B § 15.109, 15.111, & 15.121, RSS-215 Issue 2, RSS-GEN Issue 4
Test Procedures	FCC Part 15.31, 15.33, 15.35 ANSI C63.4 – 2014
Operational Modes	Stopped at the Lowest, middle, and highest frequency of each frequency range. In addition, scanning all frequencies of tuning range.
Test Frequencies	25, 54, 108, 174, 406, 512MHz
	Scan: 25 MHz to 512 MHz
Environmental Condition in the laboratory	Temperature: 24-26°C Relative humidity: 50-65% Barometric Pressure: 1021 mb
Deviation from the standard/procedure	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 ⁽³⁾
15.111 Receiver Conducted Power	15.111(a)		N/A ⁽¹⁾
15.121 38 dB Rejection	15.121		N/A ⁽²⁾
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.
- 3) Per FCC 15.33 (b)(3) tested to second harmonic of highest local oscillator frequency.

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 (MHz)	Level (dBuV/m)
30 – 88	40.0
80 – 216	43.5
216 – 960	46.0
Above 960	54.0

FCC Part 15.109(f) Radiated Emission Limit

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

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

FCC Part 15.35(a) Measurement detector functions and bandwidths

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

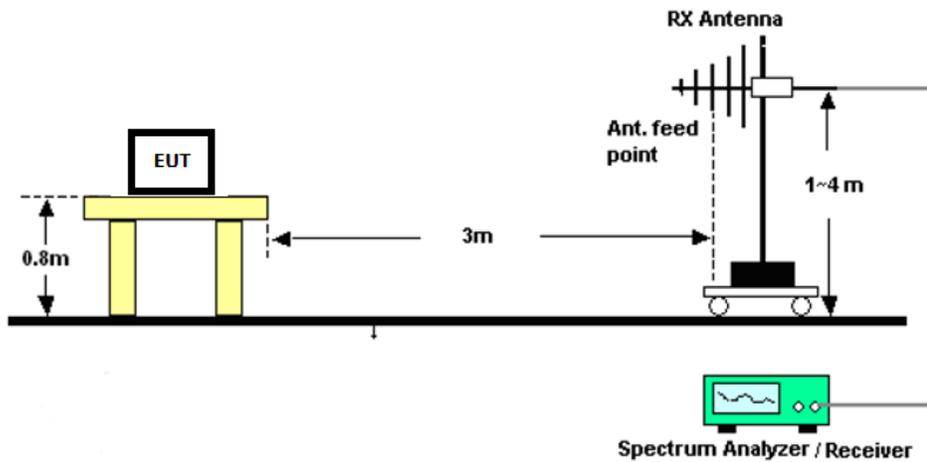
- § 6.2 Operating conditions
- § 6.3 Arrangement of EUT
- § 8.3.1 Exploratory radiated emissions measurements
- § 8.3.2 Final radiated emission measurements

Configuration: The scanner receiver spurious emissions are to be measured when the receiver is in the scanning mode and repeated when the scanning is stopped, all while the antenna terminals are terminated into a non-radiating 50 Ω load.

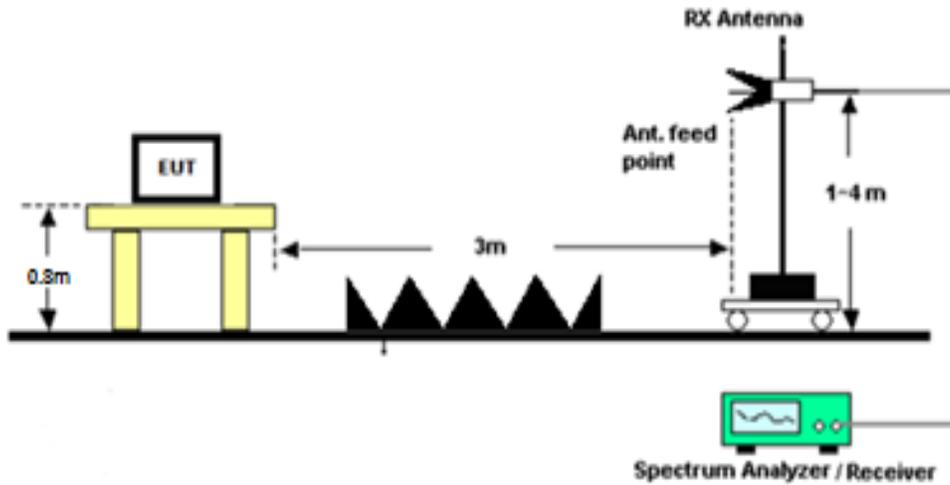
RADIATED SPURIOUS EMISSIONS

Setup:

Emissions 30 – 1000 MHz



Emissions above 1 GHz



RADIATED SPURIOUS EMISSIONS

Scanning Receiver Function

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



13.May 20 17:08

Test Spec CISPR 22 Radiated Disturbances

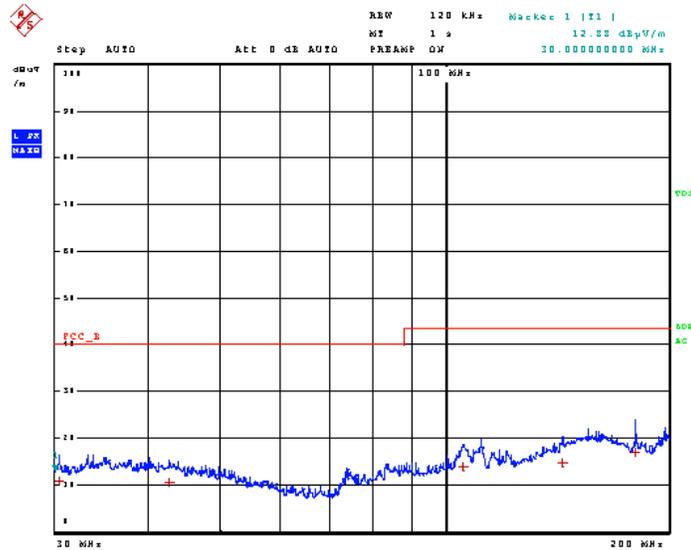
Polarity

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 μ s	Auto	20 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

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

13.May 20 17:08

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	30.360000000 MHz	10.89	Quasi Peak	-29.11
1	42.600000000 MHz	10.61	Quasi Peak	-29.39
1	105.960000000 MHz	13.99	Quasi Peak	-29.51
1	144.160000000 MHz	14.80	Quasi Peak	-28.70
1	180.320000000 MHz	16.83	Quasi Peak	-26.67

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RADIATED SPURIOUS EMISSIONS

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



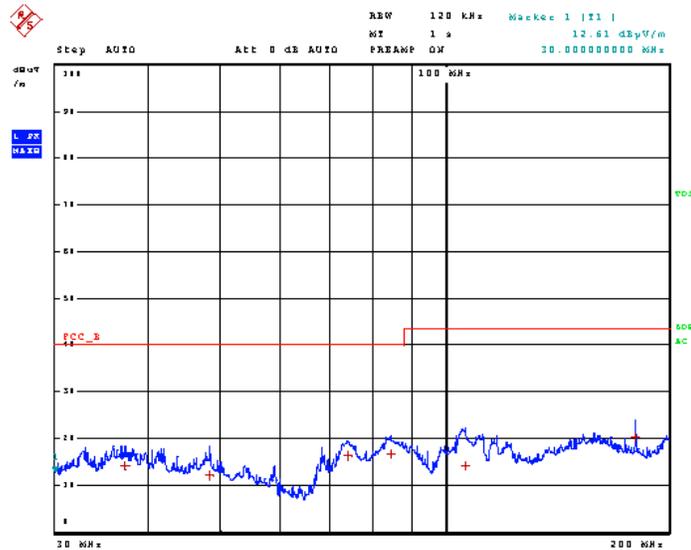
13.May 20 17:10

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 μ s	Auto	20 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

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

13.May 20 17:10

Test Spec CISPR 22 Radiated Disturbances

Polarity

Vertical

Final Measurement

Meas Time: 1 s
Margin: 25 dB
Subranges: 6

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	37.240000000 MHz	14.22	Quasi Peak	-25.78
1	48.320000000 MHz	12.10	Quasi Peak	-27.90
1	73.920000000 MHz	16.30	Quasi Peak	-23.70
1	84.680000000 MHz	16.66	Quasi Peak	-23.34
1	106.440000000 MHz	14.13	Quasi Peak	-29.37
1	180.280000000 MHz	20.28	Quasi Peak	-23.22

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RADIATED SPURIOUS EMISSIONS

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



13.May 20 17:17

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 μ s	Auto	20 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

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

13.May 20 17:17

Test Spec CISPR 22 Radiated Disturbances
Polarity
Horizontal

Final Measurement

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

Trace	Frequency	Level (dB μ V/m)	Detector	Delta Limit/dB
1	573.710000000 MHz	22.73	Quasi Peak	-23.27
1	672.410000000 MHz	33.81	Quasi Peak	-12.19
1	860.540000000 MHz	28.96	Quasi Peak	-17.04

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RADIATED SPURIOUS EMISSIONS

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



13.May 20 17:15

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 μ s	Auto	20 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

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

13.May 20 17:15

Test Spec CISPR 22 Radiated Disturbances

Polarity
Horizontal

Final Measurement

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

Trace	Frequency	Level (dB μ V/m)	Detector	Delta Limit/dB
1	573.710000000 MHz	24.71	Quasi Peak	-21.29
1	754.760000000 MHz	24.46	Quasi Peak	-21.54
1	860.540000000 MHz	31.82	Quasi Peak	-14.18

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RADIATED SPURIOUS EMISSIONS

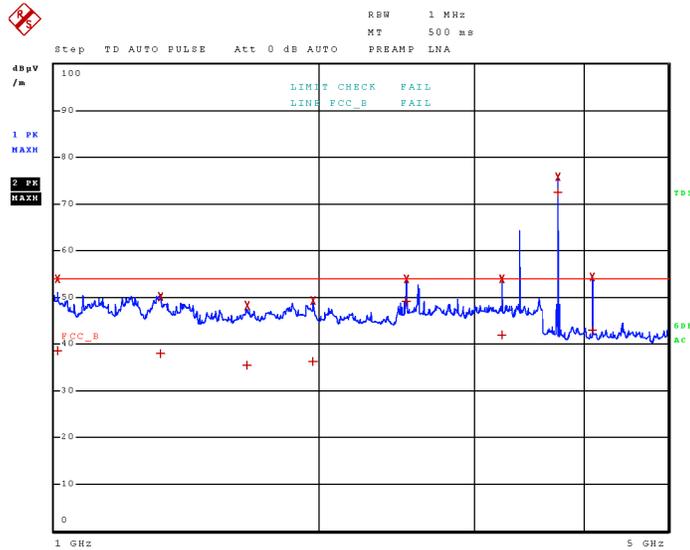
Test Data: 1-12.5GHz Field Strength Plot, Horizon Polarity

13.May 20 18:37

Time Domain Scan (1 Range)

Scan Start: 1 GHz
 Scan Stop: 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	5.000000 GHz	250.00 kHz	1.00 MHz	100 μ s	Auto	35 dB	INPUT1



**Highest local oscillator 777.55MHz
 Results meet Requirement**

Applicant: UNIDEN AMERICA CORPORATION
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RADIATED SPURIOUS EMISSIONS

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

13.May 20 18:37

Final Measurement

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

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	1.007000000 GHz	38.47	CISPR Averag	-15.53
2	1.007000000 GHz	53.86	Max Peak	
1	1.320250000 GHz	37.94	CISPR Averag	-16.06
2	1.320250000 GHz	50.12	Max Peak	
1	1.658750000 GHz	35.42	CISPR Averag	-18.58
2	1.658750000 GHz	48.14	Max Peak	
1	1.969500000 GHz	36.19	CISPR Averag	-17.81
2	1.969500000 GHz	49.23	Max Peak	
1	2.516250000 GHz	49.02	CISPR Averag	-4.98
2	2.516250000 GHz	53.95	Max Peak	
1	3.236250000 GHz	41.93	CISPR Averag	-12.07
2	3.236250000 GHz	53.86	Max Peak	
1	3.746250000 GHz	72.47	CISPR Averag	18.47
2	3.746250000 GHz	75.71	Max Peak	
1	4.096750000 GHz	42.98	CISPR Averag	-11.02
2	4.096750000 GHz	54.30	Max Peak	

**Highest local oscillator 777.55MHz
 Results meet Requirement**

Applicant: UNIDEN AMERICA CORPORATION
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RADIATED SPURIOUS EMISSIONS

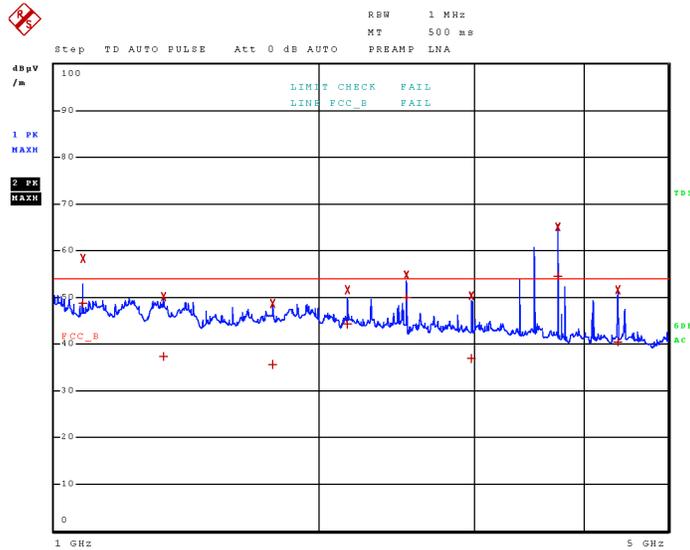
Test Data: 1-12.5GHz Field Strength Plot, Vertical Polarity

13.May 20 18:36

Time Domain Scan (1 Range)

Scan Start: 1 GHz
 Scan Stop: 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	5.000000 GHz	250.00 kHz	1.00 MHz	100 μ s	Auto	35 dB	INPUT1



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Highest local oscillator 777.55MHz Results meet Requirement

Applicant: UNIDEN AMERICA CORPORATION
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RADIATED SPURIOUS EMISSIONS

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

13.May 20 18:36

Final Measurement

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

Trace	Frequency	Level (dBuV/m)	Detector	Delta Limit/dB
1	1.078250000 GHz	48.66	CISPR Averag	-5.34
2	1.078250000 GHz	58.31	Max Peak	
1	1.332000000 GHz	37.29	CISPR Averag	-16.71
2	1.332000000 GHz	50.11	Max Peak	
1	1.773250000 GHz	35.67	CISPR Averag	-18.33
2	1.773250000 GHz	48.59	Max Peak	
1	2.156500000 GHz	44.25	CISPR Averag	-9.75
2	2.156500000 GHz	51.67	Max Peak	
1	2.516250000 GHz	49.79	CISPR Averag	-4.21
2	2.516250000 GHz	54.80	Max Peak	
1	2.987250000 GHz	36.92	CISPR Averag	-17.08
2	2.987250000 GHz	50.33	Max Peak	
1	3.744750000 GHz	54.47	CISPR Averag	0.47
2	3.744750000 GHz	64.93	Max Peak	
1	4.383250000 GHz	40.45	CISPR Averag	-13.55
2	4.383250000 GHz	51.58	Max Peak	

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**Highest local oscillator 777.55MHz
 Results meet Requirement**

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RADIATED SPURIOUS EMISSIONS

Scanned 30 MHz to 200 MHz

Test Data: 25 MHz Field Strength Plot, Horizontal Polarity



13.May 20 16:30

Test Spec: CISPR 22 Radiated Disturbances

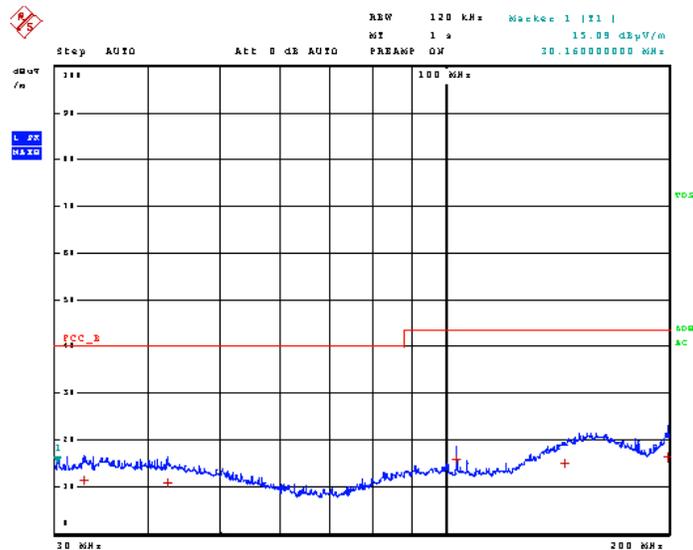
Polarity: Vertical

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 μ s	Auto	20 dB	INPUT1



RADIATED SPURIOUS EMISSIONS

Test Data: 25 MHz Field Strength Table, Horizontal Polarity

13.May 20 16:30

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	32.720000000 MHz	11.38	Quasi Peak	-28.62
1	42.360000000 MHz	10.80	Quasi Peak	-29.20
1	103.760000000 MHz	15.78	Quasi Peak	-27.72
1	144.920000000 MHz	14.99	Quasi Peak	-28.51
1	199.280000000 MHz	16.32	Quasi Peak	-27.18

RADIATED SPURIOUS EMISSIONS

Test Data: 25 MHz Field Strength Plot, Vertical Polarity



13.May 20 16:34

Test Spec CISPR 22 Radiated Disturbances

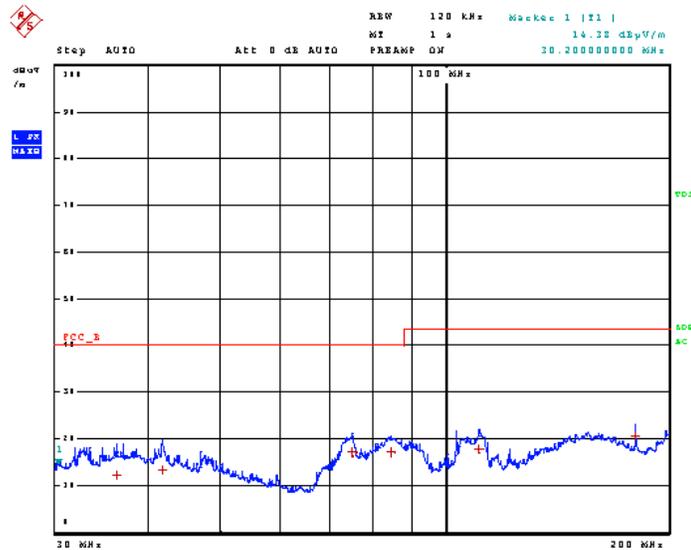
Polarity

Vertical

Stepped Scan (1 Range)

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

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





RADIATED SPURIOUS EMISSIONS

Test Data: 25 MHz Field Strength Table, Vertical Polarity

13.May 20 16:34

Test Spec CISPR 22 Radiated Disturbances
Polarity Vertical

Final Measurement

Meas Time: 1 s
Margin: 25 dB
Subranges: 6

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	36.200000000 MHz	12.20	Quasi Peak	-27.80
1	41.760000000 MHz	13.25	Quasi Peak	-26.75
1	75.160000000 MHz	17.08	Quasi Peak	-22.92
1	84.440000000 MHz	17.14	Quasi Peak	-22.86
1	111.160000000 MHz	17.75	Quasi Peak	-25.75
1	180.320000000 MHz	20.73	Quasi Peak	-22.77

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Applicant: UNIDEN AMERICA CORPORATION
FCC ID: AMWUB370
IC: 513C-UB370
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RADIATED SPURIOUS EMISSIONS

Test Data: 54 MHz Field Strength Plot, Horizontal Polarity



13.May 20 16:48

Test Spec CISPR 22 Radiated Disturbances

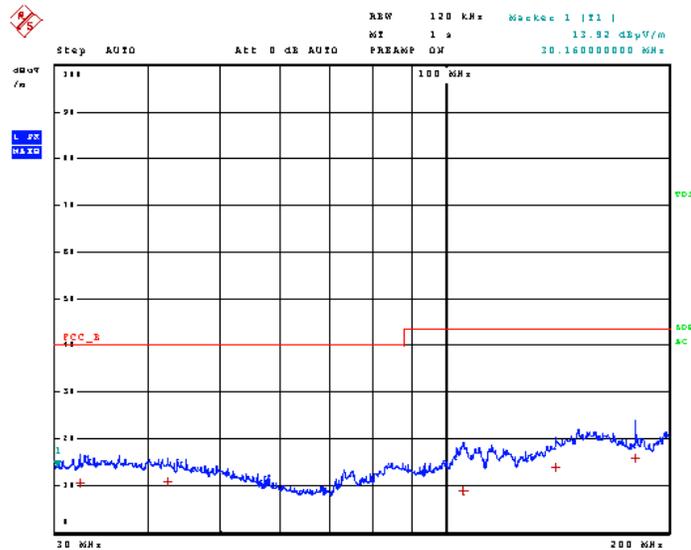
Polarity

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 μ s	Auto	20 dB	INPUT1



RADIATED SPURIOUS EMISSIONS

Test Data: 54 MHz Field Strength Table, Horizontal Polarity

13.May 20 16:48

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	32.280000000 MHz	10.68	Quasi Peak	-29.32
1	42.440000000 MHz	10.73	Quasi Peak	-29.27
1	105.760000000 MHz	9.01	Quasi Peak	-34.49
1	141.040000000 MHz	13.91	Quasi Peak	-29.59
1	180.320000000 MHz	15.82	Quasi Peak	-27.68

RADIATED SPURIOUS EMISSIONS

Test Data: 54 MHz Field Strength Plot, Vertical Polarity



13.May 20 16:45

Test Spec CISPR 22 Radiated Disturbances

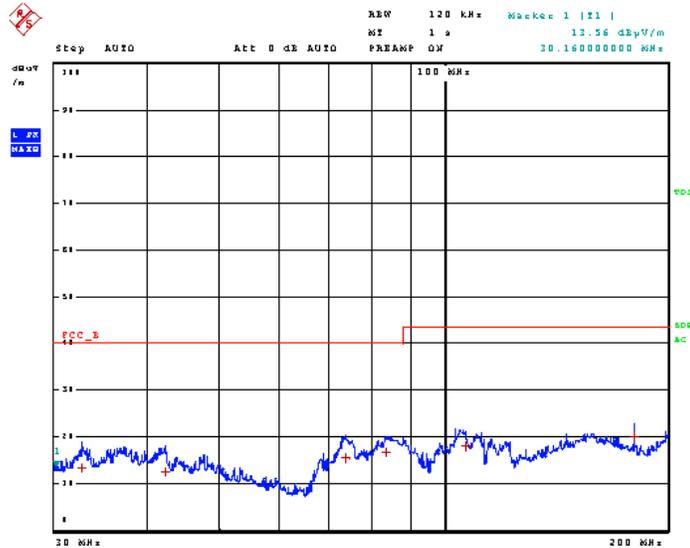
Polarity

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 μ s	Auto	20 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

Test Data: 54 MHz Field Strength Table, Vertical Polarity

13.May 20 16:45

Test Spec CISPR 22 Radiated Disturbances

Polarity

Vertical

Final Measurement

Meas Time: 1 s
Margin: 25 dB
Subranges: 6

Trace	Frequency	Level (dB μ V/m)	Detector	Delta Limit/dB
1	32.640000000 MHz	13.30	Quasi Peak	-26.70
1	42.200000000 MHz	12.55	Quasi Peak	-27.45
1	73.720000000 MHz	15.41	Quasi Peak	-24.59
1	83.560000000 MHz	16.72	Quasi Peak	-23.28
1	106.920000000 MHz	18.06	Quasi Peak	-25.44
1	180.320000000 MHz	19.98	Quasi Peak	-23.52

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Applicant: UNIDEN AMERICA CORPORATION
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RADIATED SPURIOUS EMISSIONS

Test Data: 108 MHz Field Strength Plot, Horizontal Polarity



13.May 20 16:52

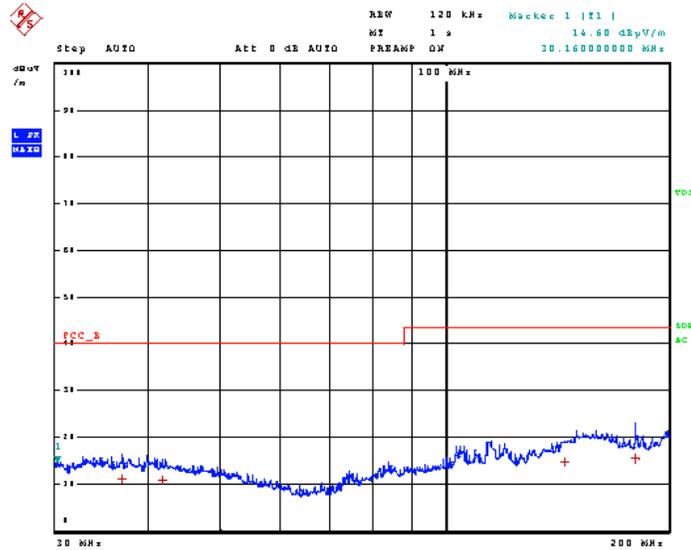
Test Spec CISPR 22 Radiated Disturbances

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 μ s	Auto	20 dB	INPUT1



Applicant: UNIDEN AMERICA CORPORATION
FCC ID: AMWUB370
IC: 513C-UB370
Report: 1177AUT20TestReport_

RADIATED SPURIOUS EMISSIONS

Test Data: 108 MHz Field Strength Table, Horizontal Polarity

13.May 20 16:52

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	36.880000000 MHz	10.99	Quasi Peak	-29.01
1	41.760000000 MHz	10.89	Quasi Peak	-29.11
1	144.800000000 MHz	14.91	Quasi Peak	-28.59
1	180.320000000 MHz	15.39	Quasi Peak	-28.11

RADIATED SPURIOUS EMISSIONS

Test Data: 108 MHz Field Strength Plot, Vertical Polarity



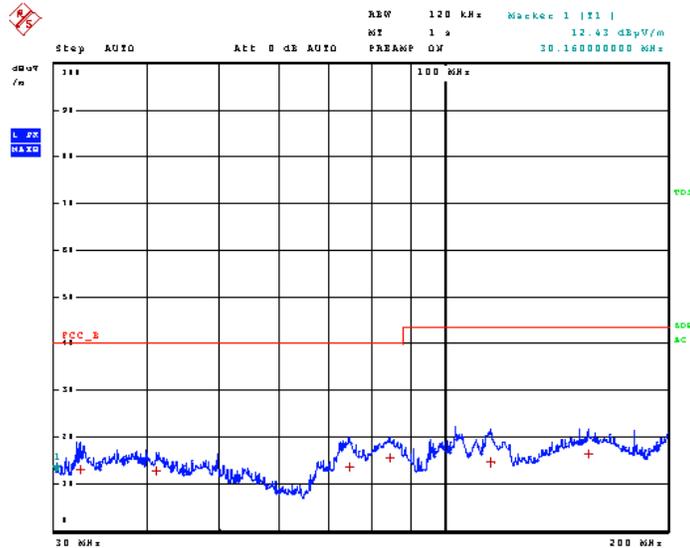
13.May 20 16:53

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 μ s	Auto	20 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

Test Data: 108 MHz Field Strength Table, Vertical Polarity

13.May 20 16:53

Test Spec CISPR 22 Radiated Disturbances

Polarity

Vertical

Final Measurement

Meas Time: 1 s
Margin: 25 dB
Subranges: 6

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	32.400000000 MHz	13.12	Quasi Peak	-26.88
1	41.160000000 MHz	12.65	Quasi Peak	-27.35
1	74.560000000 MHz	13.51	Quasi Peak	-26.49
1	84.640000000 MHz	15.61	Quasi Peak	-24.39
1	115.560000000 MHz	14.65	Quasi Peak	-28.85
1	156.520000000 MHz	16.54	Quasi Peak	-26.96

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Applicant: UNIDEN AMERICA CORPORATION
FCC ID: AMWUB370
IC: 513C-UB370
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RADIATED SPURIOUS EMISSIONS

Test Data: 174 MHz Field Strength Plot, Horizontal Polarity



13.May 20 16:59

Test Spec CISPR 22 Radiated Disturbances

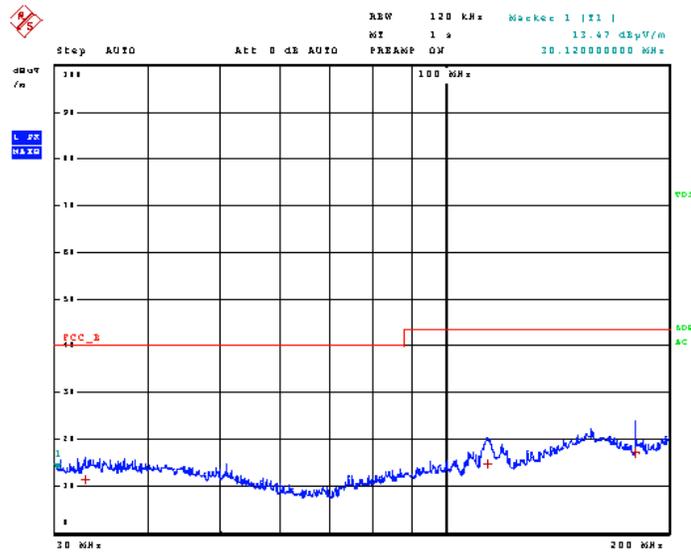
Polarity

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 μ s	Auto	20 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

Test Data: 174 MHz Field Strength Table, Horizontal Polarity

13.May 20 16:59

Test Spec CISPR 22 Radiated Disturbances
Polarity
Vertical

Final Measurement

Meas Time: 1 s
Margin: 25 dB
Subranges: 3

Trace	Frequency	Level (dB μ V/m)	Detector	Delta Limit/dB
1	32.800000000 MHz	11.44	Quasi Peak	-28.56
1	114.240000000 MHz	14.83	Quasi Peak	-28.67
1	180.320000000 MHz	17.11	Quasi Peak	-26.39

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Applicant: UNIDEN AMERICA CORPORATION
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RADIATED SPURIOUS EMISSIONS

Test Data: 174 MHz Field Strength Plot, Vertical Polarity



13.May 20 16:58

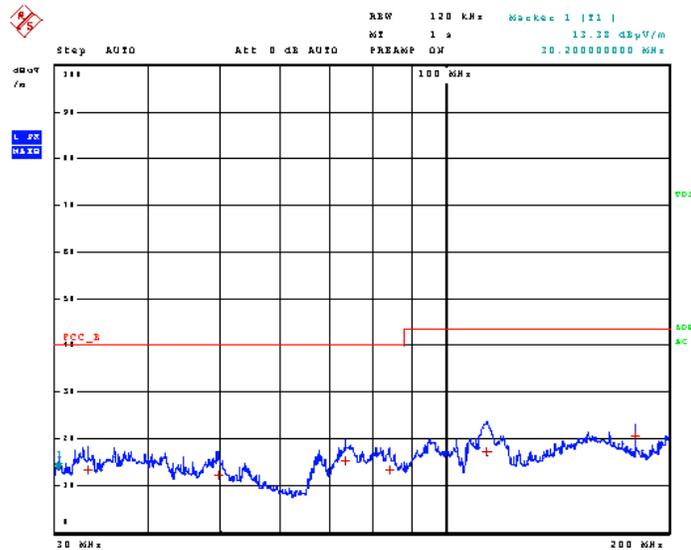
Test Spec CISPR 22 Radiated Disturbances

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 μ s	Auto	20 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

Test Data: 174 MHz Field Strength Table, Vertical Polarity

13.May 20 16:58

Test Spec CISPR 22 Radiated Disturbances
Polarity
Vertical

Final Measurement

Meas Time: 1 s
Margin: 25 dB
Subranges: 6

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	33.120000000 MHz	13.44	Quasi Peak	-26.56
1	49.640000000 MHz	12.39	Quasi Peak	-27.61
1	73.600000000 MHz	15.24	Quasi Peak	-24.76
1	84.360000000 MHz	13.25	Quasi Peak	-26.75
1	114.040000000 MHz	17.34	Quasi Peak	-26.16
1	180.320000000 MHz	20.65	Quasi Peak	-22.85

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Applicant: UNIDEN AMERICA CORPORATION
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RADIATED SPURIOUS EMISSIONS

Test Data: 406 MHz Field Strength Plot, Horizontal Polarity



13.May 20 17:02

Test Spec CISPR 22 Radiated Disturbances

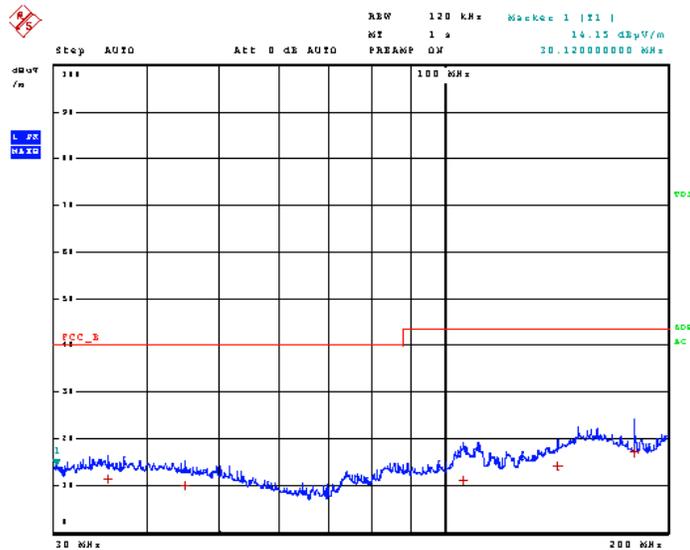
Polarity

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 μ s	Auto	20 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

Test Data: 406 MHz Field Strength Table, Horizontal Polarity

13.May 20 17:02

Test Spec CISPR 22 Radiated Disturbances
Polarity
Vertical

Final Measurement

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

Trace	Frequency	Level (dB μ V/m)	Detector	Delta Limit/dB
1	35.280000000 MHz	11.44	Quasi Peak	-28.56
1	44.920000000 MHz	9.90	Quasi Peak	-30.10
1	106.080000000 MHz	11.04	Quasi Peak	-32.46
1	142.200000000 MHz	14.10	Quasi Peak	-29.40
1	180.320000000 MHz	17.09	Quasi Peak	-26.41

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Applicant: UNIDEN AMERICA CORPORATION
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RADIATED SPURIOUS EMISSIONS

Test Data: 406 MHz Field Strength Plot, Vertical Polarity



13.May 20 17:04

Test Spec CISPR 22 Radiated Disturbances

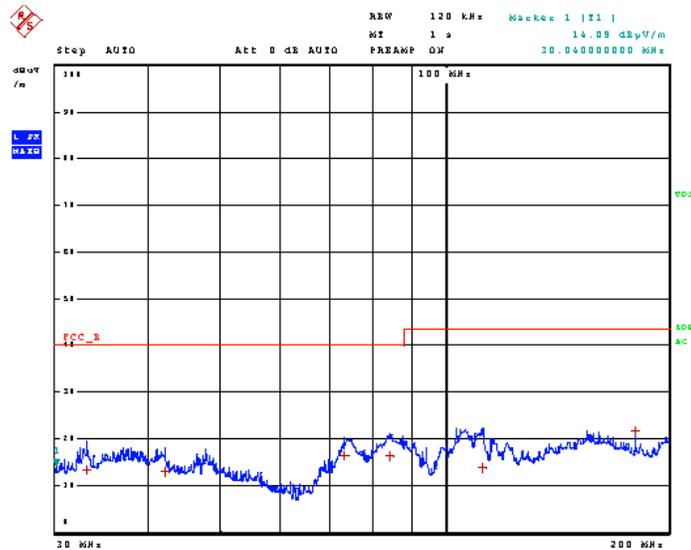
Polarity

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 μ s	Auto	20 dB	INPUT1



RADIATED SPURIOUS EMISSIONS

Test Data: 406 MHz Field Strength Table, Vertical Polarity

13.May 20 17:04

Test Spec CISPR 22 Radiated Disturbances
 Polarity Vertical

Final Measurement

Meas Time: 1 s
 Margin: 25 dB
 Subranges: 6

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	33.000000000 MHz	13.44	Quasi Peak	-26.56
1	42.040000000 MHz	12.99	Quasi Peak	-27.01
1	73.320000000 MHz	16.45	Quasi Peak	-23.55
1	84.360000000 MHz	16.38	Quasi Peak	-23.62
1	112.200000000 MHz	13.67	Quasi Peak	-29.83
1	180.320000000 MHz	21.74	Quasi Peak	-21.76

RADIATED SPURIOUS EMISSIONS

Test Data: 512 MHz Field Strength Plot, Horizontal Polarity



13.May 20 17:07

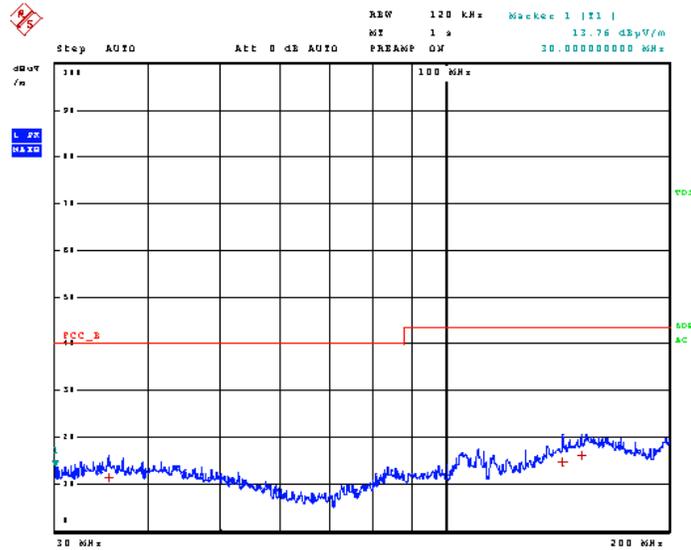
Test Spec CISPR 22 Radiated Disturbances

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 μ s	Auto	20 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

Test Data: 512 MHz Field Strength Table, Horizontal Polarity

13.May 20 17:07

Test Spec CISPR 22 Radiated Disturbances
Polarity
Vertical

Final Measurement

Meas Time: 1 s
Margin: 25 dB
Subranges: 3

Trace	Frequency	Level (dB μ V/m)	Detector	Delta Limit/dB
1	35.360000000 MHz	11.39	Quasi Peak	-28.61
1	144.080000000 MHz	14.73	Quasi Peak	-28.77
1	152.600000000 MHz	16.15	Quasi Peak	-27.35

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Applicant: UNIDEN AMERICA CORPORATION
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RADIATED SPURIOUS EMISSIONS

Test Data: 512 MHz Field Strength Plot, Vertical Polarity



13.May 20 17:06

Test Spec CISPR 22 Radiated Disturbances

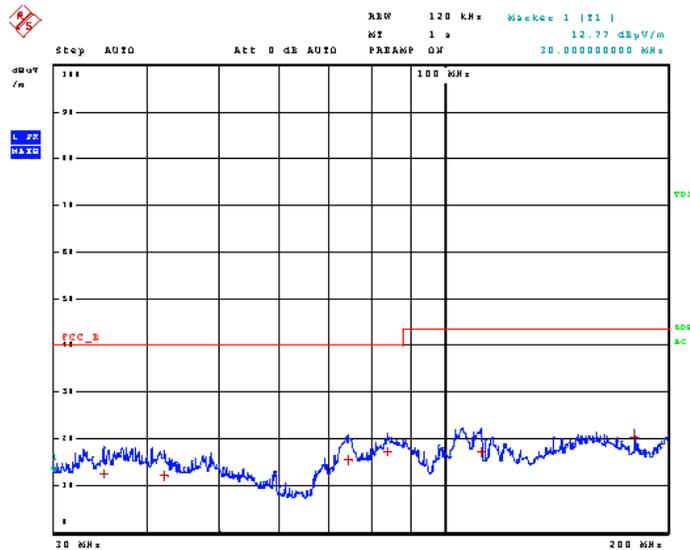
Polarity

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 μ s	Auto	20 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

Test Data: 512 MHz Field Strength Table, Vertical Polarity

13.May 20 17:06

Test Spec CISPR 22 Radiated Disturbances

Polarity

Vertical

Final Measurement

Meas Time: 1 s
Margin: 25 dB
Subranges: 6

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	34.880000000 MHz	12.53	Quasi Peak	-27.47
1	42.160000000 MHz	12.11	Quasi Peak	-27.89
1	74.480000000 MHz	15.51	Quasi Peak	-24.49
1	84.040000000 MHz	17.38	Quasi Peak	-22.62
1	112.240000000 MHz	17.10	Quasi Peak	-26.40
1	180.320000000 MHz	20.28	Quasi Peak	-23.22

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RADIATED SPURIOUS EMISSIONS

Scanned 200 MHz to 1 GHz

Test Data: 25 MHz Field Strength Plot, Horizontal Polarity



13.May 20 17:36

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 μ s	Auto	20 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

Test Data: 25 MHz Field Strength Table, Horizontal Polarity

13.May 20 17:36

Test Spec CISPR 22 Radiated Disturbances

Polarity
Horizontal

Final Measurement

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

Trace	Frequency	Level (dB μ V/m)	Detector	Delta Limit/dB
1	359.450000000 MHz	35.32	Quasi Peak	-10.68
1	499.550000000 MHz	37.99	Quasi Peak	-8.01
1	718.910000000 MHz	28.68	Quasi Peak	-17.32
1	949.010000000 MHz	26.31	Quasi Peak	-19.69

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Applicant: UNIDEN AMERICA CORPORATION
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RADIATED SPURIOUS EMISSIONS

Test Data: 25 MHz Field Strength Plot, Vertical Polarity



13.May 20 17:35

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 μ s	Auto	20 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

Test Data: 25 MHz Field Strength Table, Vertical Polarity

13.May 20 17:35

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	359.450000000 MHz	34.00	Quasi Peak	-12.00
1	499.550000000 MHz	38.49	Quasi Peak	-7.51
1	718.910000000 MHz	29.76	Quasi Peak	-16.24
1	928.760000000 MHz	26.47	Quasi Peak	-19.53

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Applicant: UNIDEN AMERICA CORPORATION
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RADIATED SPURIOUS EMISSIONS

Test Data: 54 MHz Field Strength Plot, Horizontal Polarity



13.May 20 17:30

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 μ s	Auto	20 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

Test Data: 54 MHz Field Strength Table, Horizontal Polarity

13.May 20 17:30

Test Spec CISPR 22 Radiated Disturbances
Polarity Horizontal

Final Measurement

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

Trace	Frequency	Level (dB μ V/m)	Detector	Delta Limit/dB
1	359.45000000 MHz	29.26	Quasi Peak	-16.74
1	718.91000000 MHz	38.06	Quasi Peak	-7.94
1	925.07000000 MHz	26.53	Quasi Peak	-19.47

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Applicant: UNIDEN AMERICA CORPORATION
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RADIATED SPURIOUS EMISSIONS

Test Data: 54 MHz Field Strength Plot, Vertical Polarity



13.May 20 17:32

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 μ s	Auto	20 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

Test Data: 54 MHz Field Strength Table, Vertical Polarity

13.May 20 17:32

Test Spec CISPR 22 Radiated Disturbances

Polarity
Horizontal

Final Measurement

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

Trace	Frequency	Level (dB μ V/m)	Detector	Delta Limit/dB
1	359.450000000 MHz	34.05	Quasi Peak	-11.95
1	499.550000000 MHz	38.36	Quasi Peak	-7.64
1	718.910000000 MHz	27.43	Quasi Peak	-18.57
1	959.390000000 MHz	27.59	Quasi Peak	-18.41

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Applicant: UNIDEN AMERICA CORPORATION
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RADIATED SPURIOUS EMISSIONS

Test Data: 108 MHz Field Strength Plot, Horizontal Polarity



13.May 20 17:29

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 µs	Auto	20 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

Test Data: 108 MHz Field Strength Table, Horizontal Polarity

13.May 20 17:29

Test Spec CISPR 22 Radiated Disturbances
Polarity Horizontal

Final Measurement

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

Trace	Frequency	Level (dB μ V/m)	Detector	Delta Limit/dB
1	359.45000000 MHz	29.27	Quasi Peak	-16.73
1	718.91000000 MHz	38.08	Quasi Peak	-7.92
1	959.84000000 MHz	27.63	Quasi Peak	-18.37

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Applicant: UNIDEN AMERICA CORPORATION
FCC ID: AMWUB370
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RADIATED SPURIOUS EMISSIONS

Test Data: 108 MHz Field Strength Plot, Vertical Polarity



13.May 20 17:29

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 μ s	Auto	20 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

Test Data: 108 MHz Field Strength Table, Vertical Polarity

13.May 20 17:29

Test Spec CISPR 22 Radiated Disturbances

Polarity

Horizontal

Final Measurement

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

Trace	Frequency	Level (dB μ V/m)	Detector	Delta Limit/dB
1	359.450000000 MHz	29.27	Quasi Peak	-16.73
1	718.910000000 MHz	38.09	Quasi Peak	-7.91
1	956.960000000 MHz	27.32	Quasi Peak	-18.68

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Applicant: UNIDEN AMERICA CORPORATION
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RADIATED SPURIOUS EMISSIONS

Test Data: 174 MHz Field Strength Plot, Horizontal Polarity



13.May 20 17:26

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 μ s	Auto	20 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

Test Data: 174 MHz Field Strength Table, Horizontal Polarity

13.May 20 17:26

Test Spec CISPR 22 Radiated Disturbances

Polarity
Horizontal

Final Measurement

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

Trace	Frequency	Level (dB μ V/m)	Detector	Delta Limit/dB
1	573.710000000 MHz	27.06	Quasi Peak	-18.94
1	672.410000000 MHz	31.22	Quasi Peak	-14.78
1	860.540000000 MHz	26.34	Quasi Peak	-19.66

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Applicant: UNIDEN AMERICA CORPORATION
FCC ID: AMWUB370
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RADIATED SPURIOUS EMISSIONS

Test Data: 174 MHz Field Strength Plot, Vertical Polarity



13.May 20 17:25

Test Spec CISPR 22 Radiated Disturbances

Polarity

Horizontal

Time Domain Scan (1 Range)

Scan Start: 200 MHz
 Scan Stop: 1 GHz
 Detector: Trace 1: MAX PEAK
 Transducer: TDS_01

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





RADIATED SPURIOUS EMISSIONS

Test Data: 174 MHz Field Strength Table, Vertical Polarity

13.May 20 17:25

Test Spec CISPR 22 Radiated Disturbances

Polarity
Horizontal

Final Measurement

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

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	573.710000000 MHz	22.73	Quasi Peak	-23.27
1	757.220000000 MHz	24.43	Quasi Peak	-21.57
1	860.540000000 MHz	31.61	Quasi Peak	-14.39

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RADIATED SPURIOUS EMISSIONS

Test Data: 406 MHz Field Strength Plot, Horizontal Polarity



13.May 20 17:22

Test Spec CISPR 22 Radiated Disturbances

Polarity

Horizontal

Time Domain Scan (1 Range)

Scan Start: 200 MHz
 Scan Stop: 1 GHz
 Detector: Trace 1: MAX PEAK
 Transducer: TDS_01

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



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Applicant: UNIDEN AMERICA CORPORATION
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RADIATED SPURIOUS EMISSIONS

Test Data: 406 MHz Field Strength Table, Horizontal Polarity

13.May 20 17:22

Test Spec CISPR 22 Radiated Disturbances
Polarity Horizontal

Final Measurement

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

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	573.710000000 MHz	34.04	Quasi Peak	-11.96
1	672.410000000 MHz	33.93	Quasi Peak	-12.07
1	958.070000000 MHz	27.46	Quasi Peak	-18.54

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Applicant: UNIDEN AMERICA CORPORATION
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RADIATED SPURIOUS EMISSIONS

Test Data: 406 MHz Field Strength Plot, Vertical Polarity



13.May 20 17:22

Test Spec CISPR 22 Radiated Disturbances

Polarity

Horizontal

Time Domain Scan (1 Range)

Scan Start: 200 MHz
 Scan Stop: 1 GHz
 Detector: Trace 1: MAX PEAK
 Transducer: TDS_01

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





RADIATED SPURIOUS EMISSIONS

Test Data: 406 MHz Field Strength Table, Vertical Polarity

13.May 20 17:22

Test Spec CISPR 22 Radiated Disturbances
Polarity
Horizontal

Final Measurement

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

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	573.710000000 MHz	24.90	Quasi Peak	-21.10
1	672.410000000 MHz	23.99	Quasi Peak	-22.01
1	954.140000000 MHz	27.05	Quasi Peak	-18.95

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Applicant: UNIDEN AMERICA CORPORATION
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RADIATED SPURIOUS EMISSIONS

Test Data: 512 MHz Field Strength Plot, Horizontal Polarity



13.May 20 17:19

Test Spec CISPR 22 Radiated Disturbances

Polarity
Horizontal

Time Domain Scan (1 Range)

Scan Start: 200 MHz
Scan Stop: 1 GHz
Detector: Trace 1: MAX PEAK
Transducer: TDS_01

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





RADIATED SPURIOUS EMISSIONS

Test Data: 512 MHz Field Strength Table, Horizontal Polarity

13.May 20 17:19

Test Spec CISPR 22 Radiated Disturbances
Polarity Horizontal

Final Measurement

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

Trace	Frequency	Level (dB μ V/m)	Detector	Delta Limit/dB
1	573.710000000 MHz	31.55	Quasi Peak	-14.45
1	672.440000000 MHz	32.65	Quasi Peak	-13.35
1	956.030000000 MHz	27.24	Quasi Peak	-18.76

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Applicant: UNIDEN AMERICA CORPORATION
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RADIATED SPURIOUS EMISSIONS

Test Data: 512 MHz Field Strength Plot, Vertical Polarity



13.May 20 17:21

Test Spec CISPR 22 Radiated Disturbances

Polarity

Horizontal

Time Domain Scan (1 Range)

Scan Start: 200 MHz
 Scan Stop: 1 GHz
 Detector: Trace 1: MAX PEAK
 Transducer: TDS_01

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



RADIATED SPURIOUS EMISSIONS

Test Data: 512 MHz Field Strength Table, Vertical Polarity

13.May 20 17:21

Test Spec CISPR 22 Radiated Disturbances
 Polarity Horizontal

Final Measurement

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

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	573.710000000 MHz	27.94	Quasi Peak	-18.06
1	672.440000000 MHz	25.81	Quasi Peak	-20.19
1	860.540000000 MHz	31.34	Quasi Peak	-14.66

RADIATED SPURIOUS EMISSIONS

Scanned 1 GHz to 2 GHz

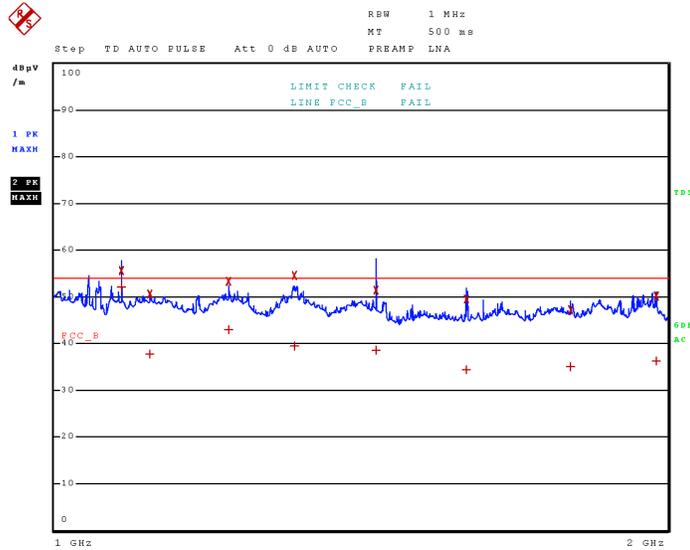
Test Data: 108 MHz Field Strength Plot, Horizontal Polarity

13.May 20 18:25

Time Domain Scan (1 Range)

Scan Start: 1 GHz
 Scan Stop: 2 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	2.000000 GHz	250.00 kHz	1.00 MHz	100 μ s	Auto	35 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

Test Data: 108 MHz Field Strength Table, Horizontal Polarity

13.May 20 18:25

Final Measurement

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

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	1.078250000 GHz	52.08	CISPR Averag	-1.92
2	1.078250000 GHz	55.61	Max Peak	
1	1.114000000 GHz	37.79	CISPR Averag	-16.21
2	1.114000000 GHz	50.56	Max Peak	
1	1.217250000 GHz	43.04	CISPR Averag	-10.96
2	1.217250000 GHz	53.17	Max Peak	
1	1.310500000 GHz	39.39	CISPR Averag	-14.61
2	1.310500000 GHz	54.50	Max Peak	
1	1.437750000 GHz	38.62	CISPR Averag	-15.38
2	1.437750000 GHz	51.27	Max Peak	
1	1.593250000 GHz	34.35	CISPR Averag	-19.65
2	1.593250000 GHz	49.44	Max Peak	
1	1.792250000 GHz	34.93	CISPR Averag	-19.07
2	1.792250000 GHz	47.24	Max Peak	
1	1.972500000 GHz	36.29	CISPR Averag	-17.71
2	1.972500000 GHz	50.08	Max Peak	

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Applicant: UNIDEN AMERICA CORPORATION
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RADIATED SPURIOUS EMISSIONS

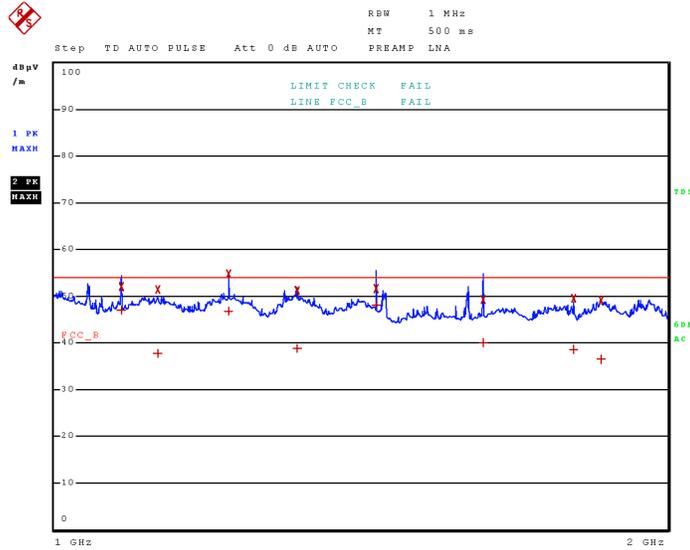
Test Data: 108 MHz Field Strength Plot, Vertical Polarity

13.May 20 18:26

Time Domain Scan (1 Range)

Scan Start: 1 GHz
 Scan Stop: 2 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	2.000000 GHz	250.00 kHz	1.00 MHz	100 μ s	Auto	35 dB	INPUT1



RADIATED SPURIOUS EMISSIONS

Test Data: 108 MHz Field Strength Table, Vertical Polarity

13.May 20 18:26

Final Measurement

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

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	1.078250000 GHz	46.98	CISPR Averag	-7.02
2	1.078250000 GHz	51.94	Max Peak	
1	1.123750000 GHz	37.74	CISPR Averag	-16.26
2	1.123750000 GHz	51.33	Max Peak	
1	1.217250000 GHz	46.82	CISPR Averag	-7.18
2	1.217250000 GHz	54.80	Max Peak	
1	1.314750000 GHz	38.81	CISPR Averag	-15.19
2	1.314750000 GHz	51.07	Max Peak	
1	1.437750000 GHz	48.05	CISPR Averag	-5.95
2	1.437750000 GHz	51.57	Max Peak	
1	1.623000000 GHz	40.10	CISPR Averag	-13.90
2	1.623000000 GHz	49.30	Max Peak	
1	1.797250000 GHz	38.57	CISPR Averag	-15.43
2	1.797250000 GHz	49.38	Max Peak	
1	1.853250000 GHz	36.48	CISPR Averag	-17.52
2	1.853250000 GHz	49.08	Max Peak	

RADIATED SPURIOUS EMISSIONS

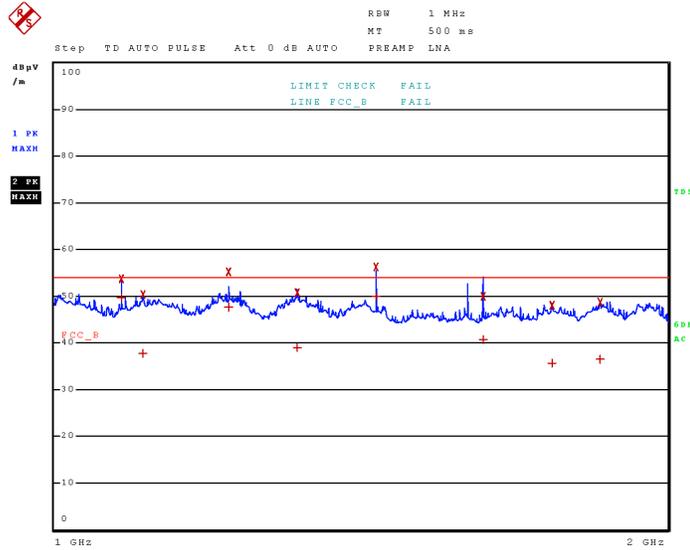
Test Data: 174 MHz Field Strength Plot, Horizontal Polarity

13.May 20 18:27

Time Domain Scan (1 Range)

Scan Start: 1 GHz
 Scan Stop: 2 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	2.000000 GHz	250.00 kHz	1.00 MHz	100 μ s	Auto	35 dB	INPUT1



RADIATED SPURIOUS EMISSIONS

Test Data: 174 MHz Field Strength Table, Horizontal Polarity

13.May 20 18:27

Final Measurement

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

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	1.078250000 GHz	49.60	CISPR Averag	-4.40
2	1.078250000 GHz	53.66	Max Peak	
1	1.104750000 GHz	37.70	CISPR Averag	-16.30
2	1.104750000 GHz	50.22	Max Peak	
1	1.217250000 GHz	47.61	CISPR Averag	-6.39
2	1.217250000 GHz	55.06	Max Peak	
1	1.315500000 GHz	38.88	CISPR Averag	-15.12
2	1.315500000 GHz	50.64	Max Peak	
1	1.437750000 GHz	49.98	CISPR Averag	-4.02
2	1.437750000 GHz	56.11	Max Peak	
1	1.623000000 GHz	40.68	CISPR Averag	-13.32
2	1.623000000 GHz	49.85	Max Peak	
1	1.753250000 GHz	35.61	CISPR Averag	-18.39
2	1.753250000 GHz	48.10	Max Peak	
1	1.851500000 GHz	36.41	CISPR Averag	-17.59
2	1.851500000 GHz	48.71	Max Peak	

RADIATED SPURIOUS EMISSIONS

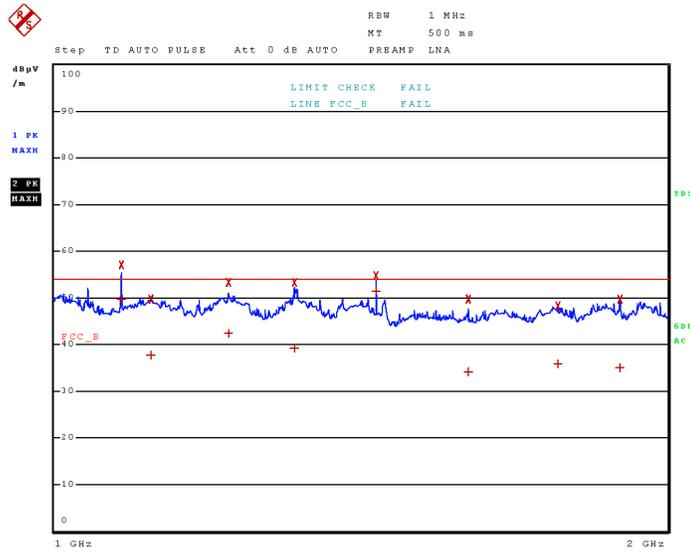
Test Data: 174 MHz Field Strength Plot, Vertical Polarity

13.May 20 18:28

Time Domain Scan (1 Range)

Scan Start: 1 GHz
 Scan Stop: 2 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	2.000000 GHz	250.00 kHz	1.00 MHz	100 μs	Auto	35 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

Test Data: 174 MHz Field Strength Table, Vertical Polarity

13.May 20 18:28

Final Measurement

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

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	1.078250000 GHz	49.79	CISPR Averag	-4.21
2	1.078250000 GHz	56.94	Max Peak	
1	1.114750000 GHz	37.75	CISPR Averag	-16.25
2	1.114750000 GHz	49.68	Max Peak	
1	1.217500000 GHz	42.24	CISPR Averag	-11.76
2	1.217500000 GHz	53.15	Max Peak	
1	1.310750000 GHz	39.26	CISPR Averag	-14.74
2	1.310750000 GHz	53.15	Max Peak	
1	1.437750000 GHz	51.41	CISPR Averag	-2.59
2	1.437750000 GHz	54.75	Max Peak	
1	1.595250000 GHz	34.13	CISPR Averag	-19.87
2	1.595250000 GHz	49.59	Max Peak	
1	1.766000000 GHz	35.81	CISPR Averag	-18.19
2	1.766000000 GHz	48.27	Max Peak	
1	1.894500000 GHz	34.96	CISPR Averag	-19.04
2	1.894500000 GHz	49.64	Max Peak	

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Applicant: UNIDEN AMERICA CORPORATION
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RADIATED SPURIOUS EMISSIONS

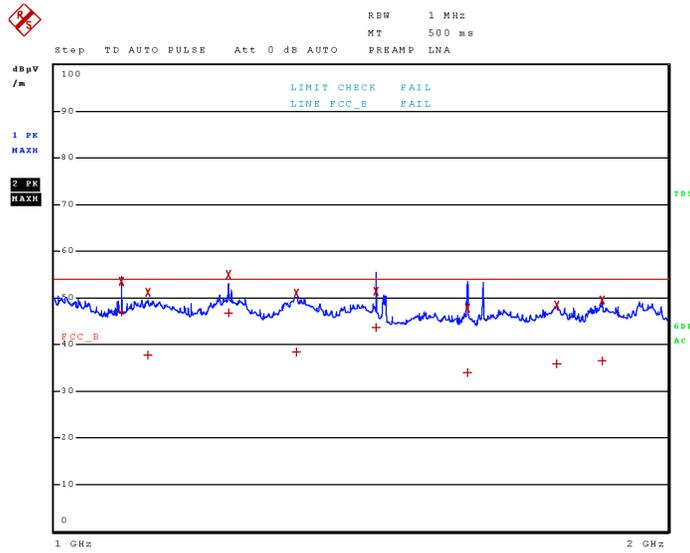
Test Data: 406 MHz Field Strength Plot, Horizontal Polarity

13.May 20 18:30

Time Domain Scan (1 Range)

Scan Start: 1 GHz
 Scan Stop: 2 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	2.000000 GHz	250.00 kHz	1.00 MHz	100 μ s	Auto	35 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

Test Data: 406 MHz Field Strength Table, Horizontal Polarity

13.May 20 18:30

Final Measurement

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

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	1.078250000 GHz	46.97	CISPR Averag	-7.03
2	1.078250000 GHz	53.45	Max Peak	
1	1.111500000 GHz	37.64	CISPR Averag	-16.36
2	1.111500000 GHz	51.05	Max Peak	
1	1.217250000 GHz	46.66	CISPR Averag	-7.34
2	1.217250000 GHz	54.91	Max Peak	
1	1.314500000 GHz	38.41	CISPR Averag	-15.59
2	1.314500000 GHz	51.02	Max Peak	
1	1.437750000 GHz	43.63	CISPR Averag	-10.37
2	1.437750000 GHz	51.27	Max Peak	
1	1.594250000 GHz	34.02	CISPR Averag	-19.98
2	1.594250000 GHz	47.79	Max Peak	
1	1.764750000 GHz	35.78	CISPR Averag	-18.22
2	1.764750000 GHz	48.48	Max Peak	
1	1.856500000 GHz	36.50	CISPR Averag	-17.50
2	1.856500000 GHz	49.56	Max Peak	

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RADIATED SPURIOUS EMISSIONS

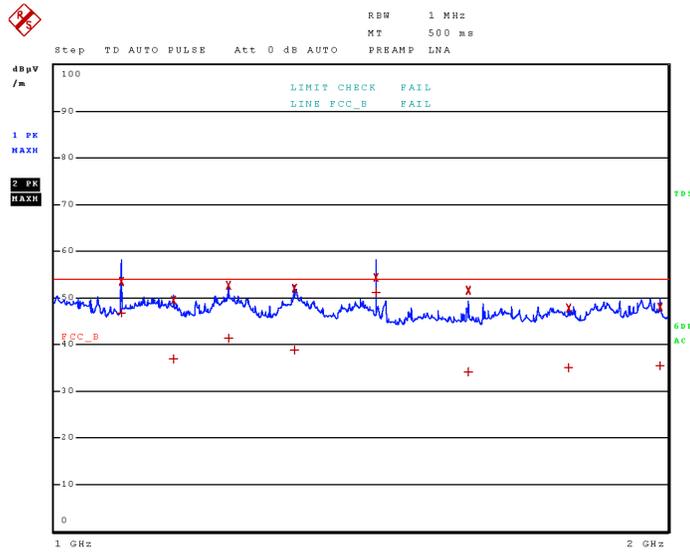
Test Data: 406 MHz Field Strength Plot, Vertical Polarity

13.May 20 18:29

Time Domain Scan (1 Range)

Scan Start: 1 GHz
 Scan Stop: 2 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	2.000000 GHz	250.00 kHz	1.00 MHz	100 μ s	Auto	35 dB	INPUT1





RADIATED SPURIOUS EMISSIONS

Test Data: 406 MHz Field Strength Table, Vertical Polarity

13.May 20 18:29

Final Measurement

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

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	1.078250000 GHz	46.66	CISPR Averag	-7.34
2	1.078250000 GHz	53.48	Max Peak	
1	1.143750000 GHz	36.90	CISPR Averag	-17.10
2	1.143750000 GHz	49.57	Max Peak	
1	1.217250000 GHz	41.26	CISPR Averag	-12.74
2	1.217250000 GHz	52.55	Max Peak	
1	1.310750000 GHz	38.66	CISPR Averag	-15.34
2	1.310750000 GHz	52.05	Max Peak	
1	1.437750000 GHz	51.23	CISPR Averag	-2.77
2	1.437750000 GHz	54.24	Max Peak	
1	1.596500000 GHz	34.05	CISPR Averag	-19.95
2	1.596500000 GHz	51.62	Max Peak	
1	1.787000000 GHz	35.02	CISPR Averag	-18.98
2	1.787000000 GHz	47.89	Max Peak	
1	1.981000000 GHz	35.47	CISPR Averag	-18.53
2	1.981000000 GHz	48.03	Max Peak	

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RADIATED SPURIOUS EMISSIONS

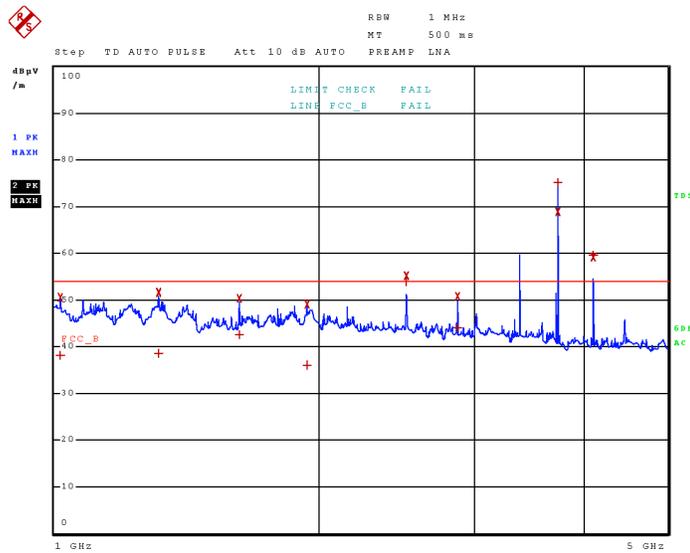
Test Data: 512 MHz Field Strength Plot, Horizontal Polarity

13.May 20 18:31

Time Domain Scan (1 Range)

Scan Start: 1 GHz
 Scan Stop: 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	5.000000 GHz	250.00 kHz	1.00 MHz	100 μs	Auto	35 dB	INPUT1



**Highest local oscillator 777.55MHz
 Results meet Requirement**

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_

RADIATED SPURIOUS EMISSIONS

Test Data: 512 MHz Field Strength Table, Horizontal Polarity

13.May 20 18:31

Final Measurement

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

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	1.015250000 GHz	38.14	CISPR Averag	-15.86
2	1.015250000 GHz	50.49	Max Peak	
1	1.313750000 GHz	38.50	CISPR Averag	-15.50
2	1.313750000 GHz	51.51	Max Peak	
1	1.623000000 GHz	42.59	CISPR Averag	-11.41
2	1.623000000 GHz	50.39	Max Peak	
1	1.940750000 GHz	36.13	CISPR Averag	-17.87
2	1.940750000 GHz	49.11	Max Peak	
1	2.516250000 GHz	53.99	CISPR Averag	-0.01
2	2.516250000 GHz	55.12	Max Peak	
1	2.875500000 GHz	44.05	CISPR Averag	-9.95
2	2.875500000 GHz	50.67	Max Peak	
1	3.745750000 GHz	75.10	CISPR Averag	21.10
2	3.745750000 GHz	68.87	Max Peak	
1	4.105500000 GHz	59.49	CISPR Averag	5.49
2	4.105500000 GHz	59.06	Max Peak	

**Highest local oscillator 777.55MHz
 Results meet Requirement**

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_

RADIATED SPURIOUS EMISSIONS

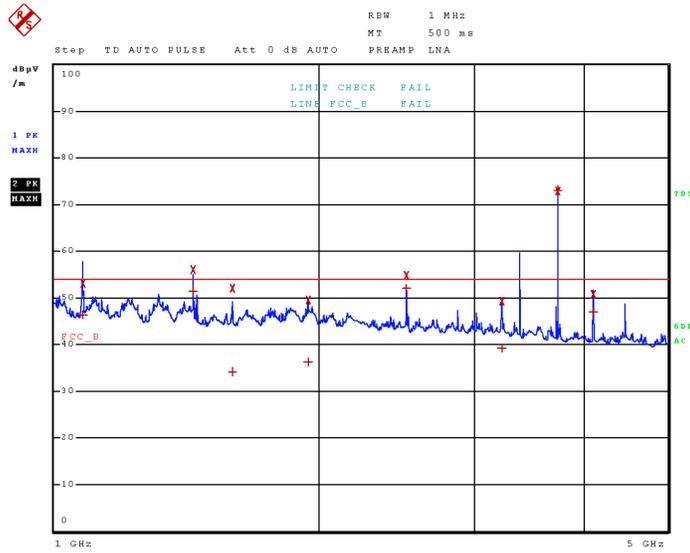
Test Data: 512 MHz Field Strength Plot, Vertical Polarity

13.May 20 18:32

Time Domain Scan (1 Range)

Scan Start: 1 GHz
 Scan Stop: 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	5.000000 GHz	250.00 kHz	1.00 MHz	100 μs	Auto	35 dB	INPUT1



**Highest local oscillator 777.55MHz
 Results meet Requirement**

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_

RADIATED SPURIOUS EMISSIONS

Test Data: 512 MHz Field Strength Table, Vertical Polarity

13.May 20 18:32

Final Measurement

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

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	1.078250000 GHz	46.33	CISPR Averag	-7.67
2	1.078250000 GHz	53.00	Max Peak	
1	1.437750000 GHz	51.41	CISPR Averag	-2.59
2	1.437750000 GHz	55.91	Max Peak	
1	1.596500000 GHz	34.07	CISPR Averag	-19.93
2	1.596500000 GHz	52.00	Max Peak	
1	1.944000000 GHz	36.21	CISPR Averag	-17.79
2	1.944000000 GHz	49.57	Max Peak	
1	2.516000000 GHz	51.94	CISPR Averag	-2.06
2	2.516000000 GHz	54.77	Max Peak	
1	3.235000000 GHz	39.13	CISPR Averag	-14.87
2	3.235000000 GHz	49.22	Max Peak	
1	3.746250000 GHz	72.91	CISPR Averag	18.91
2	3.746250000 GHz	72.81	Max Peak	
1	4.105500000 GHz	46.89	CISPR Averag	-7.11
2	4.105500000 GHz	50.72	Max Peak	

**Highest local oscillator 777.55MHz
 Results meet Requirement**

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_

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

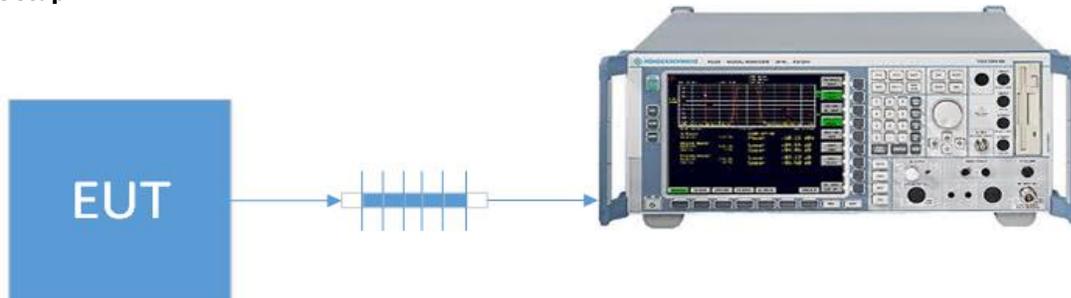
§ 12.2.2 Operating conditions

§ 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 Ω coaxial cable.

Setup:



POWER LINE CONDUCTED INTERFERENCE

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

Requirements:

Frequency (MHz)	Quasi Peak Limits (dBμV)	Average Limits (dBμV)
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

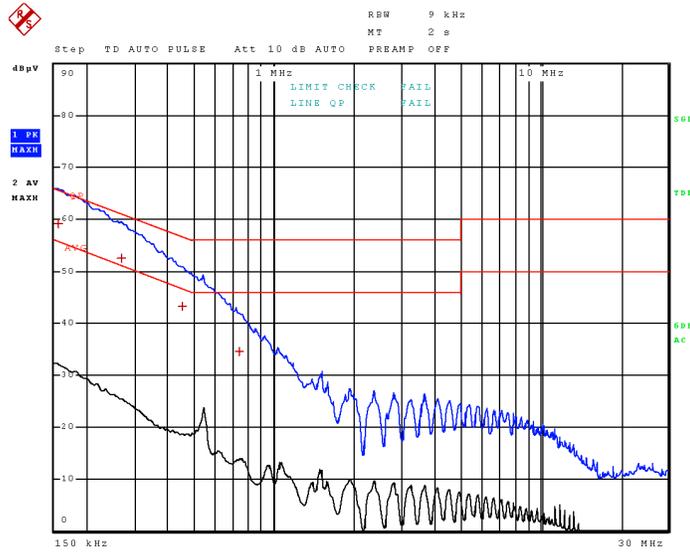
Test Data: Scanning, Line 1 Peak Plot

13.May 20 13:42

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	154.500000000 kHz	59.03	Quasi Peak	-6.73
1	264.750000000 kHz	52.45	Quasi Peak	-8.83
1	451.500000000 kHz	43.27	Quasi Peak	-13.58
1	737.250000000 kHz	34.45	Quasi Peak	-21.55

Page 1 of 2

Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_



POWER LINE CONDUCTED INTERFERENCE

Test Data: Scanning, Line 1 Peak Plot Table

13.May 20 13:42

Transducer Table

Name: tdf_20
Interpolation: LIN
Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

<u>Frequency</u>	<u>Factor (dB)</u>
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: AMWUB370
IC: 513C-UB370
Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

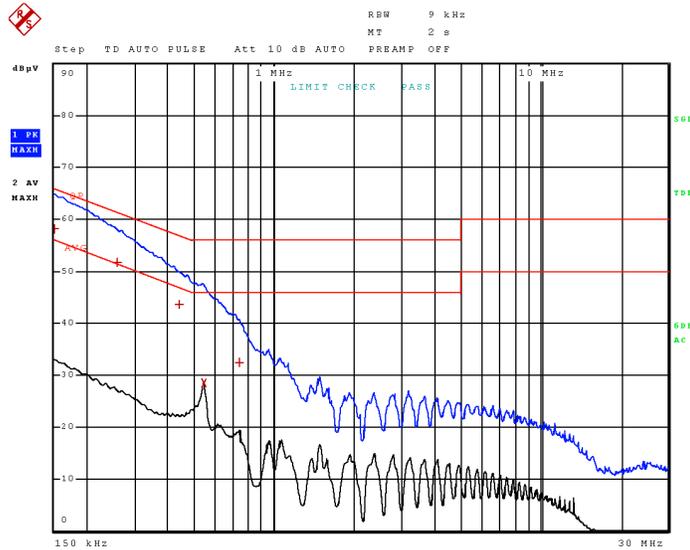
Test Data: Scanning, Line 2 Peak Plot

13.May 20 13:45

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



Final Measurement

Meas Time: 2 s
 Margin: 20 dB
 Subranges: 5

Trace	Frequency	Level (dBµV)	Detector	Delta Limit/dB
1	150.000000000 kHz	58.22	Quasi Peak	-7.78
1	255.750000000 kHz	51.79	Quasi Peak	-9.78
1	440.250000000 kHz	43.53	Quasi Peak	-13.52
2	541.500000000 kHz	28.51	Average	-17.49
1	737.250000000 kHz	32.45	Quasi Peak	-23.55

Page 1 of 2

Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

Test Data: Scanning, Line 2 Peak Plot Table

13.May 20 13:45

Transducer Table

Name: tdf_20
 Interpolation: LIN
 Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

<u>Frequency</u>	<u>Factor (dB)</u>
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: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

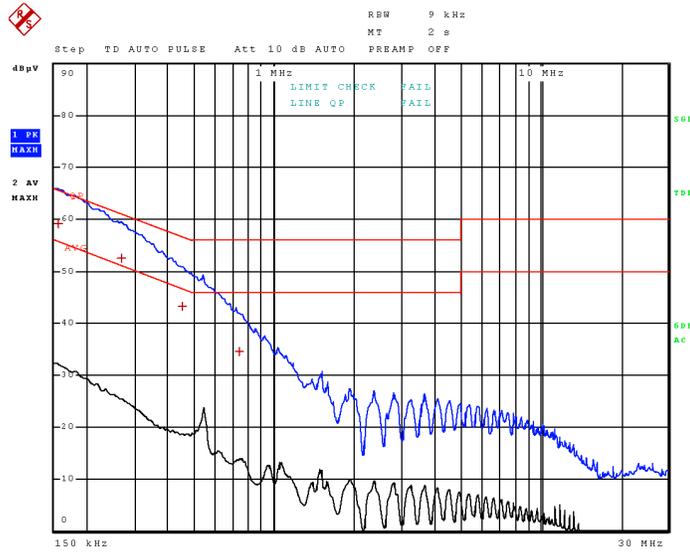
Test Data: Tuned to 25 MHz, Line 1 Peak Plot

13.May 20 13:42

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	154.500000000 kHz	59.03	Quasi Peak	-6.73
1	264.750000000 kHz	52.45	Quasi Peak	-8.83
1	451.500000000 kHz	43.27	Quasi Peak	-13.58
1	737.250000000 kHz	34.45	Quasi Peak	-21.55

Page 1 of 2

Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

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

13.May 20 13:42

Transducer Table

Name: tdf_20
Interpolation: LIN
Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

<u>Frequency</u>	<u>Factor (dB)</u>
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: AMWUB370
IC: 513C-UB370
Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

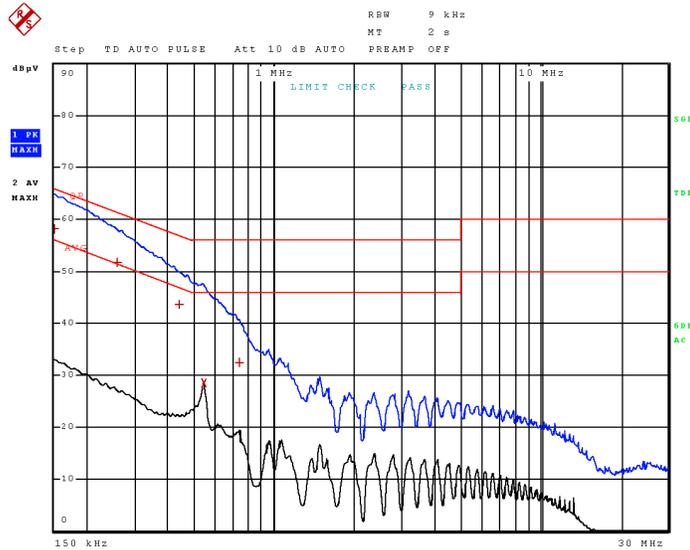
Test Data: Tuned to 25 MHz, Line 2 Peak Plot

13.May 20 13:45

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



Final Measurement

Meas Time: 2 s
 Margin: 20 dB
 Subranges: 5

Trace	Frequency	Level (dBµV)	Detector	Delta Limit/dB
1	150.000000000 kHz	58.22	Quasi Peak	-7.78
1	255.750000000 kHz	51.79	Quasi Peak	-9.78
1	440.250000000 kHz	43.53	Quasi Peak	-13.52
2	541.500000000 kHz	28.51	Average	-17.49
1	737.250000000 kHz	32.45	Quasi Peak	-23.55

Page 1 of 2

Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

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

13.May 20 13:45

Transducer Table

Name: tdf_20
Interpolation: LIN
Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

<u>Frequency</u>	<u>Factor (dB)</u>
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: AMWUB370
IC: 513C-UB370
Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

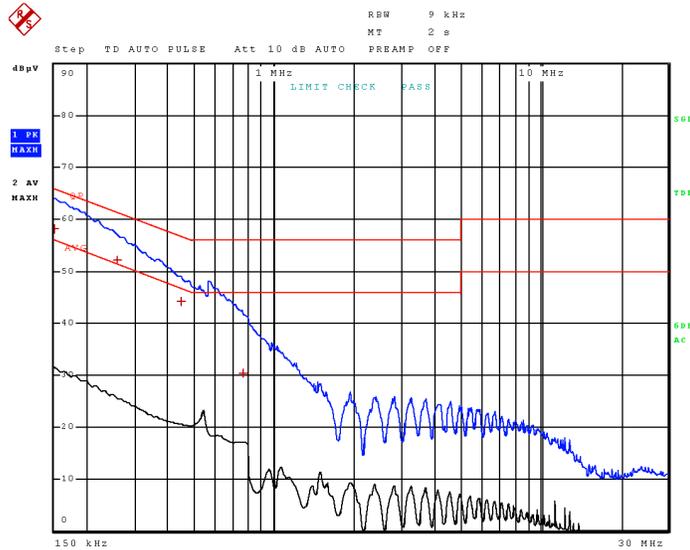
Test Data: Tuned to 54 MHz, Line 1 Peak Plot

13.May 20 14:00

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	150.000000000 kHz	58.22	Quasi Peak	-7.78
1	255.750000000 kHz	52.09	Quasi Peak	-9.47
1	447.000000000 kHz	44.24	Quasi Peak	-12.69
1	762.000000000 kHz	30.42	Quasi Peak	-25.58

Page 1 of 2

Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_



POWER LINE CONDUCTED INTERFERENCE

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

13.May 20 14:00

Transducer Table

Name: tdf_20
Interpolation: LIN
Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

<u>Frequency</u>	<u>Factor (dB)</u>
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: AMWUB370
IC: 513C-UB370
Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

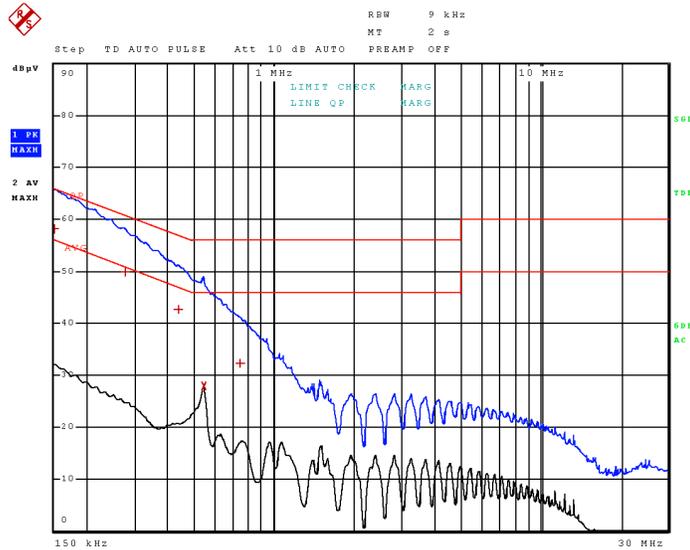
Test Data: Tuned to 54 MHz, Line 2 Peak Plot

13.May 20 13:48

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: 5

Trace	Frequency	Level (dBµV)	Detector	Delta Limit/dB
1	150.000000000 kHz	58.17	Quasi Peak	-7.83
1	273.750000000 kHz	49.74	Quasi Peak	-11.26
1	435.750000000 kHz	42.59	Quasi Peak	-14.55
2	541.500000000 kHz	27.89	Average	-18.11
1	746.250000000 kHz	32.24	Quasi Peak	-23.76

Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

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

13.May 20 13:48

Transducer Table

Name: tdf_20
Interpolation: LIN
Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

<u>Frequency</u>	<u>Factor (dB)</u>
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
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POWER LINE CONDUCTED INTERFERENCE

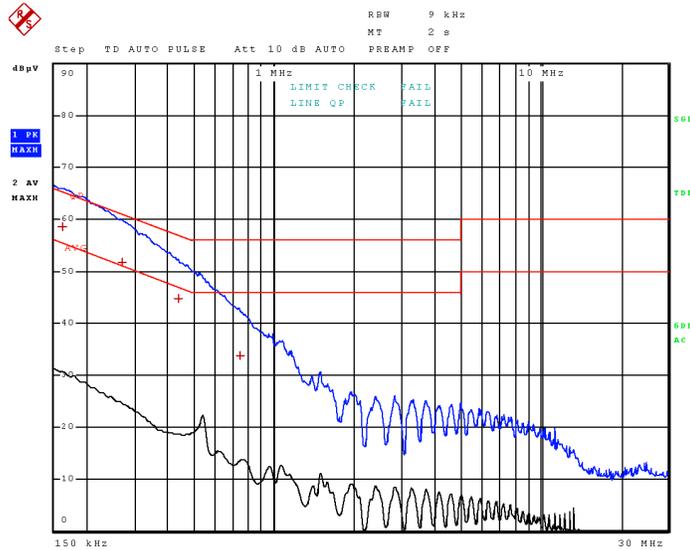
Test Data: Tuned to 108 MHz, Line 1 Peak Plot

13.May 20 14:29

Time Domain Scan (1 Range)

Scan Start: 150 kHz
 Scan Stop: 30 MHz
 Detector: Trace 1: MAX PEAK Trace 2: Average
 Transducer: tdf_20

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



Final Measurement

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

Trace	Frequency	Level (dBµV)	Detector	Delta Limit/dB
1	161.250000000 kHz	58.58	Quasi Peak	-6.82
1	267.000000000 kHz	51.72	Quasi Peak	-9.49
1	435.750000000 kHz	44.65	Quasi Peak	-12.49
1	739.500000000 kHz	33.82	Quasi Peak	-22.18

Page 1 of 2

Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB370
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 Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

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

13.May 20 14:29

Transducer Table

Name: tdf_20
 Interpolation: LIN
 Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

<u>Frequency</u>	<u>Factor (dB)</u>
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
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 Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

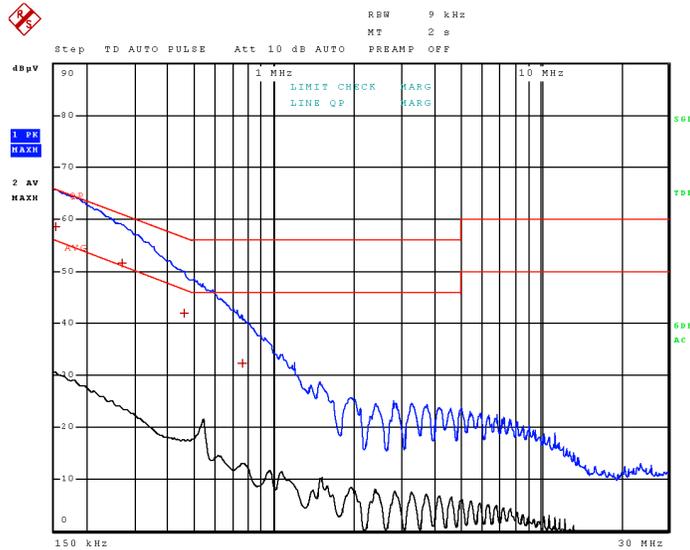
Test Data: Tuned to 108 MHz, Line 2 Peak Plot

13.May 20 14:34

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	152.250000000 kHz	58.51	Quasi Peak	-7.36
1	267.000000000 kHz	51.45	Quasi Peak	-9.76
1	458.250000000 kHz	41.88	Quasi Peak	-14.84
1	755.250000000 kHz	32.16	Quasi Peak	-23.84

Page 1 of 2

Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

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

13.May 20 14:34

Transducer Table

Name: tdf_20
Interpolation: LIN
Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

<u>Frequency</u>	<u>Factor (dB)</u>
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: AMWUB370
IC: 513C-UB370
Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

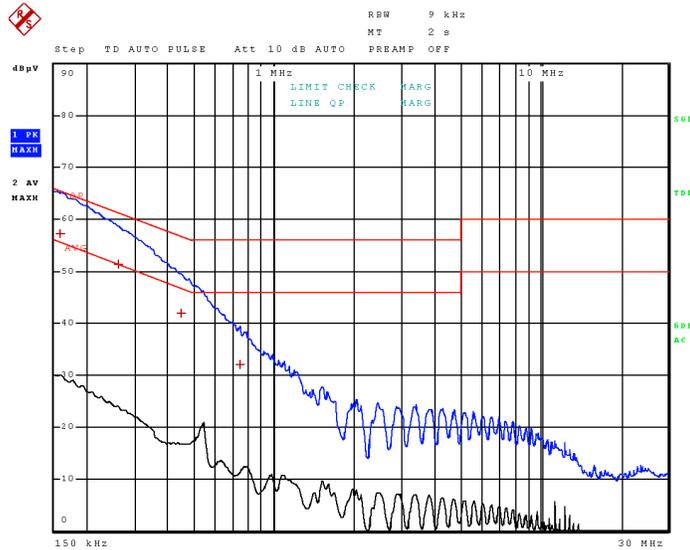
Test Data: Tuned to 174 MHz, Line 1 Peak Plot

13.May 20 14:38

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	159.000000000 kHz	57.29	Quasi Peak	-8.23
1	258.000000000 kHz	51.27	Quasi Peak	-10.23
1	447.000000000 kHz	41.88	Quasi Peak	-15.05
1	741.750000000 kHz	32.11	Quasi Peak	-23.89

Page 1 of 2

Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

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

13.May 20 14:38

Transducer Table

Name: tdf_20
 Interpolation: LIN
 Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

<u>Frequency</u>	<u>Factor (dB)</u>
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: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

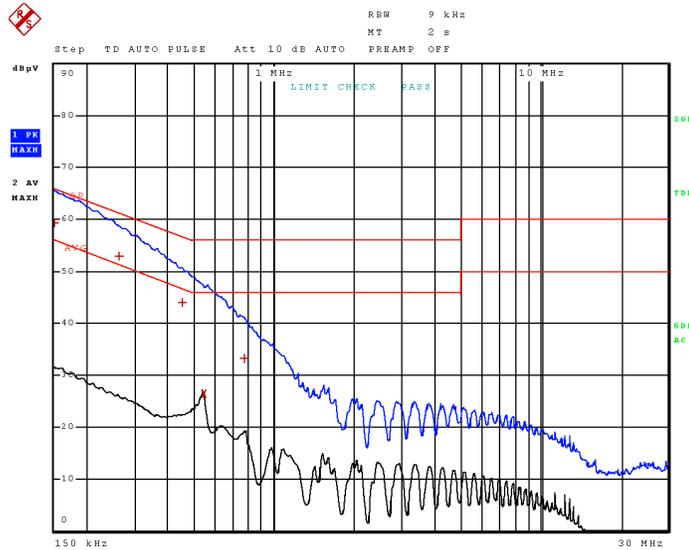
Test Data: Tuned to 174 MHz, Line 2 Peak Plot

13.May 20 14:57

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
1	150.000000000 kHz	59.19	Quasi Peak	-6.81
1	260.250000000 kHz	52.81	Quasi Peak	-8.62
1	449.250000000 kHz	44.05	Quasi Peak	-12.84
2	541.500000000 kHz	26.39	Average	-19.61
1	771.000000000 kHz	33.20	Quasi Peak	-22.80

Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

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

13.May 20 14:57

Transducer Table

Name: tdf_20
 Interpolation: LIN
 Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

<u>Frequency</u>	<u>Factor (dB)</u>
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: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

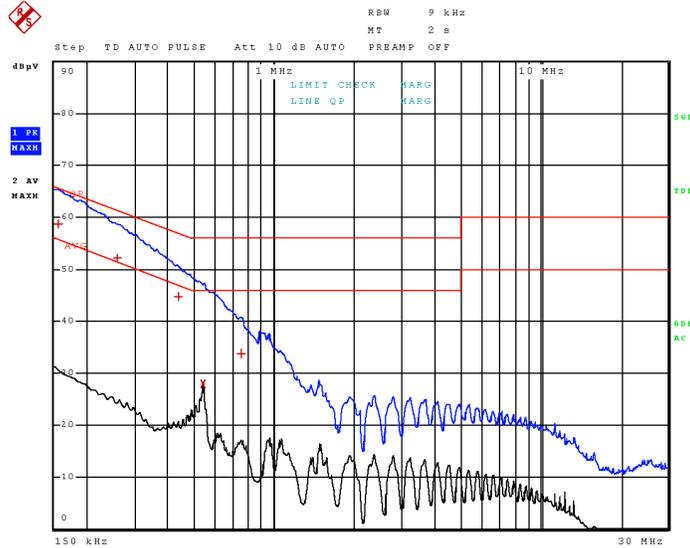
Test Data: Tuned to 406 MHz, Line 1 Peak Plot

13.May 20 15:07

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: 5

Trace	Frequency	Level (dBµV)	Detector	Delta Limit/dB
1	154.500000000 kHz	58.70	Quasi Peak	-7.05
1	255.750000000 kHz	52.13	Quasi Peak	-9.44
1	433.500000000 kHz	44.73	Quasi Peak	-12.45
2	539.250000000 kHz	27.95	Average	-18.05
1	748.500000000 kHz	33.82	Quasi Peak	-22.18

Page 1 of 2

Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

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

13.May 20 15:07

Transducer Table

Name: tdf_20
 Interpolation: LIN
 Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

<u>Frequency</u>	<u>Factor (dB)</u>
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
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900.00 kHz	0.12
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1.50 MHz	0.28
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2.50 MHz	0.41
3.00 MHz	0.59
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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: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

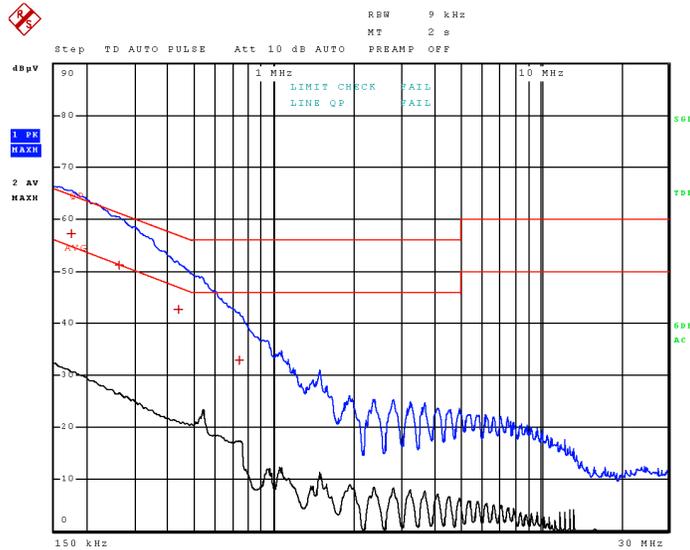
Test Data: Tuned to 406 MHz, Line 2 Peak Plot

13.May 20 15:22

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	174.75000000 kHz	57.25	Quasi Peak	-7.49
1	260.25000000 kHz	51.20	Quasi Peak	-10.23
1	433.50000000 kHz	42.64	Quasi Peak	-14.55
1	737.25000000 kHz	32.72	Quasi Peak	-23.28

Page 1 of 2

Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

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

13.May 20 15:22

Transducer Table

Name: tdf_20
 Interpolation: LIN
 Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

<u>Frequency</u>	<u>Factor (dB)</u>
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
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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: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

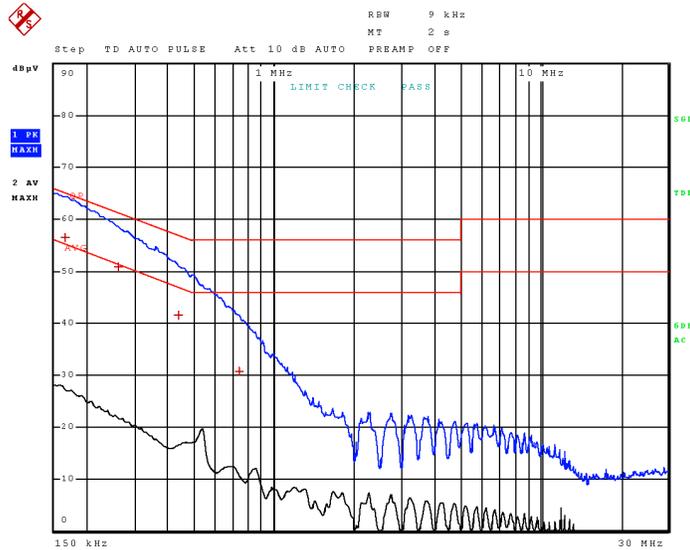
Test Data: Tuned to 512 MHz, Line 1 Peak Plot

13.May 20 15:57

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	165.750000000 kHz	56.35	Quasi Peak	-8.82
1	258.000000000 kHz	50.68	Quasi Peak	-10.82
1	433.500000000 kHz	41.55	Quasi Peak	-15.63
1	737.250000000 kHz	30.72	Quasi Peak	-25.28

Page 1 of 2

Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

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

13.May 20 15:57

Transducer Table

Name: tdf_20
 Interpolation: LIN
 Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

<u>Frequency</u>	<u>Factor (dB)</u>
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
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2.50 MHz	0.41
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30.00 MHz	1.80

Page 2 of 2

Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

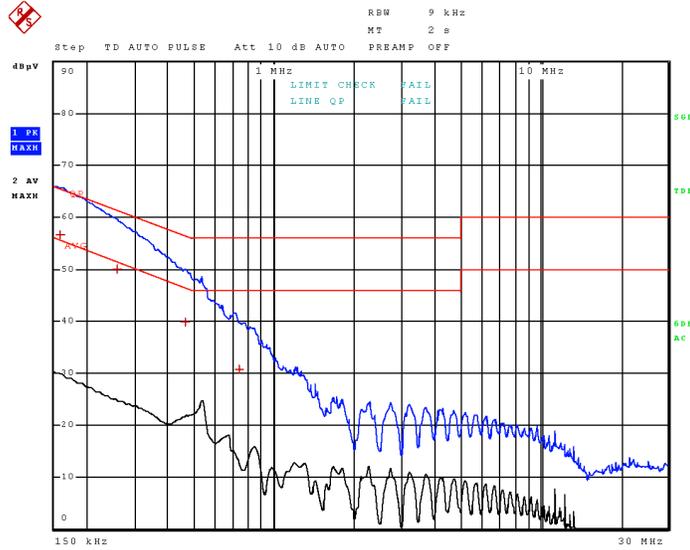
Test Data: Tuned to 512 MHz, Line 2 Peak Plot

13.May 20 16:00

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	159.00000000 kHz	56.59	Quasi Peak	-8.92
1	255.75000000 kHz	50.10	Quasi Peak	-11.47
1	462.75000000 kHz	39.83	Quasi Peak	-16.81
1	739.50000000 kHz	30.68	Quasi Peak	-25.32

Page 1 of 2

Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

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

13.May 20 16:00

Transducer Table

Name: tdf_20
Interpolation: LIN
Comment: ANS 25/2 Primary LISN IL Line 1 + Coax Cable IL

<u>Frequency</u>	<u>Factor (dB)</u>
150.00 kHz	0.19
170.00 kHz	0.17
200.00 kHz	0.16
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Page 2 of 2

Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION
FCC ID: AMWUB370
IC: 513C-UB370
Report: 1177AUT20TestReport_

TEST EQUIPMENT LIST

Device	Manufacturer	Model	Serial Number	Cal/Char Date	Due Date
Antenna: Biconical 1096	Eaton	94455-1	1096	08/01/17	08/01/20
Antenna: Log-Periodic 1243	Electro-Metrics	LPA-25	1243	04/20/18	04/20/21
CHAMBER	Panashield	3M	N/A	NA	NA
Antenna: Double- Ridged Horn/ETS Horn 2	ETS-Lindgren	3117	00041534	03/01/17	03/01/20
Software: Field Strength Program	Timco	N/A	Version 4.10.7.0	N/A	N/A
Antenna: Active Loop	ETS-Lindgren	6502	00062529	12/11/17	12/11/20
EMI Test Receiver R & S ESU 40 Chamber	Rohde & Schwarz	ESU 40	100320	08/28/18	08/28/21
Coaxial Cable - Chamber 3 cable set (Primary)	Micro-Coax	Chamber 3 cable set (Primary)	KMKM-0244- 01; KMKM- 0670-00; KFKF-0198- 01	02/29/19	02/29/21
Bore-sight Antenna Positioning 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: AMWUB370
 IC: 513C-UB370
 Report: 1177AUT20TestReport_