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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:	AMWUB371B
IC	513C-UB371B
Model Number	UB371B, PMN: BC365CRS
Product Description	SCANNING RECEIVER
Date Sample Received	1/20/2020
Final Test Date	1/23/2020
Tested By	Tim Royer
Test Results	☒ PASS ☐ FAIL

Report Number	Version Number	Description	Issue Date
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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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

Applicant: UNIDEN AMERICA CORPORATION
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IC: 513C-UB371B
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GENERAL INFORMATION

EUT Description	SCANNING RECEIVER
FCC ID	AMWUB371B
IC	513C-UB371B
Model Number	UB371B, PMN: BC365CRS
Range	0.1 – 512 MHz
Receiver Circuit Type	Superheterodyne
Lowest Internal Frequency	> 9 kHz
Antenna Connector	BNC
EUT Power Source	☒ 110–120Vac/50– 60Hz
	☐ 13.8 VDC Nominal (Optional)
	☐ Battery Operated Exclusively
Test Item	☐ Prototype
	☒ Pre-Production
	☐ 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
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.

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 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

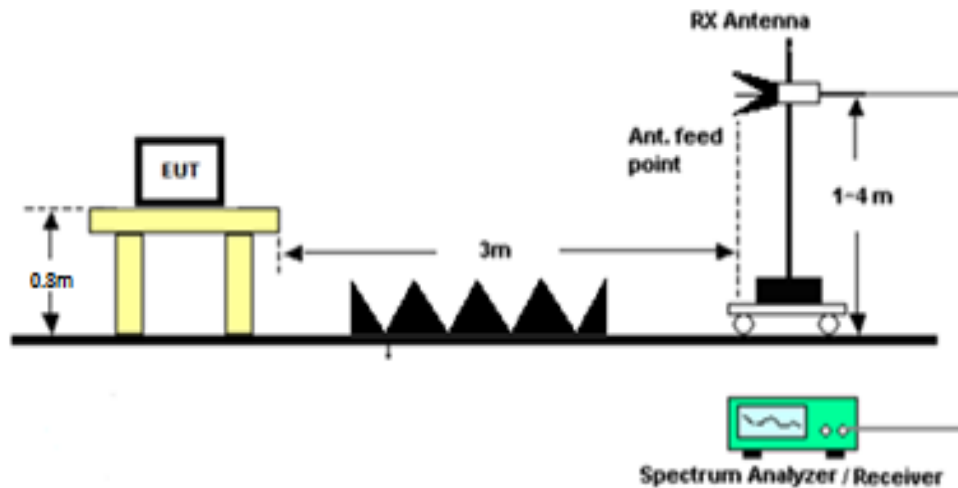
Configuration: The scanner receiver spurious emissions are to be measured when the receiver is in the scanning mode and repeated when the scanning is stopped, all while the antenna terminals are terminated into a non-radiating 50 Ω load.

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



23.Jan 20 15:03

Test Spec CISPR 22 Radiated Disturbances

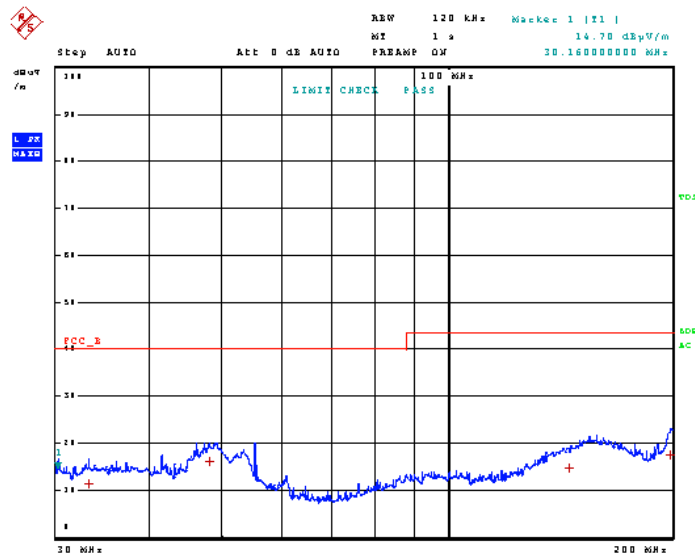
Polarity

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 μ s	Auto	20 dB	INPUT1



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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



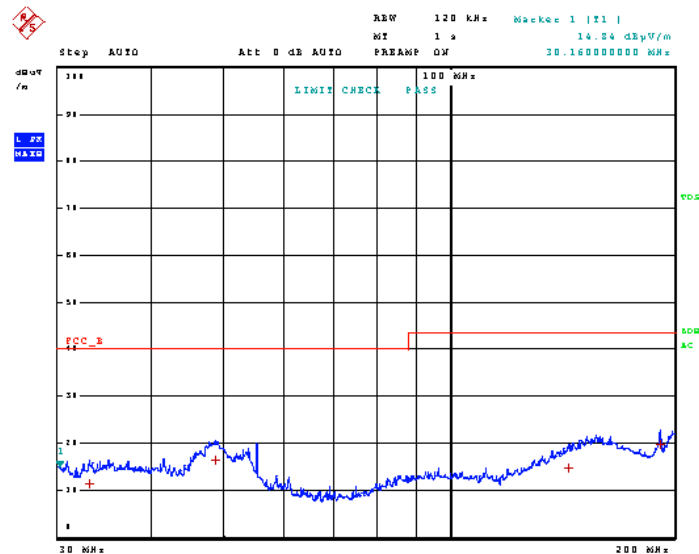
23.Jan 20 15:08

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 μ 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



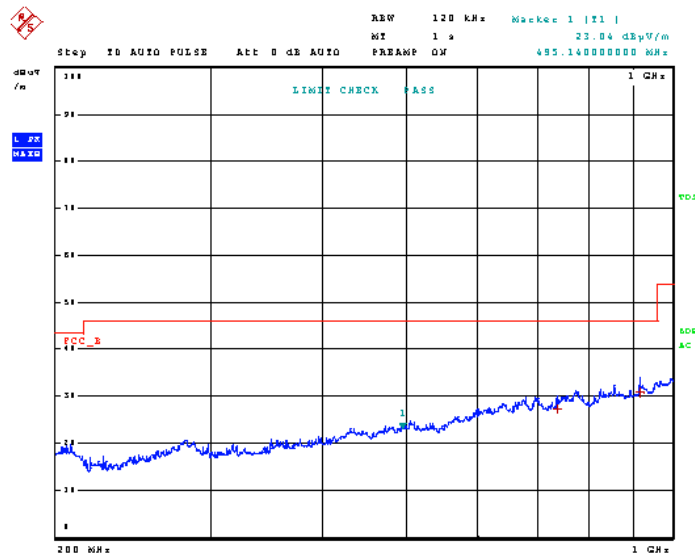
23.Jan 20 14:58

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 μ 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

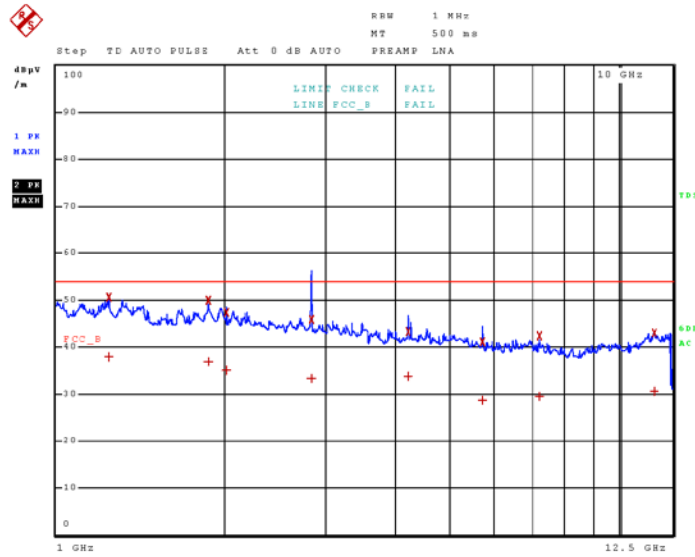
Test Data: 1-12.5GHz Field Strength Plot, Horizon Polarity

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 μ s	Auto	35 dB	INPUT1



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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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RADIATED SPURIOUS EMISSIONS

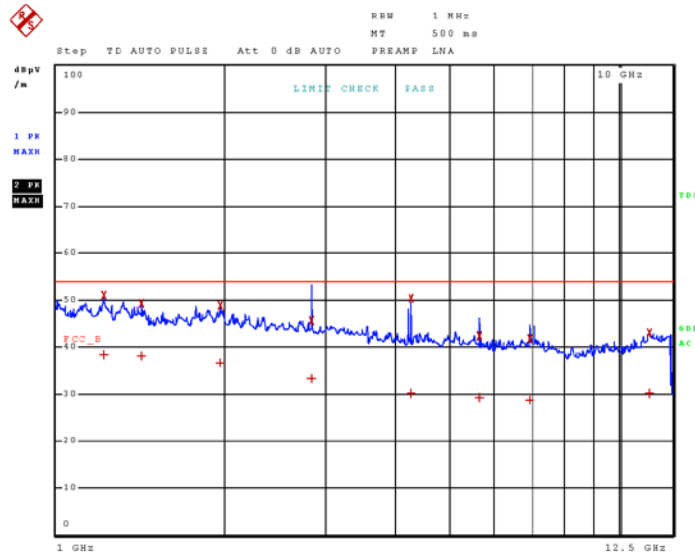
Test Data: 1-12.5GHz Field Strength Plot, Vertical Polarity

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 μ s	Auto	35 dB	INPUT1



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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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RADIATED SPURIOUS EMISSIONS

Scanned 30 MHz to 200 MHz

Test Data: 25 MHz Field Strength Plot, Horizontal Polarity



23.Jan 20 12:59

Test Spec CISPR 22 Radiated Disturbances

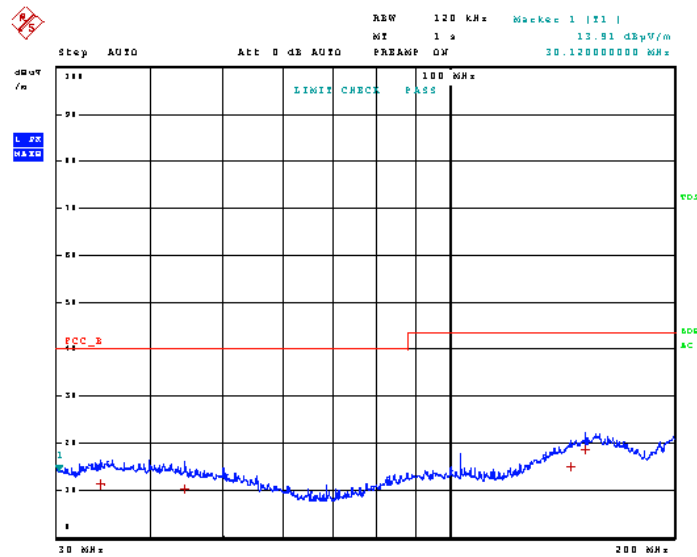
Polarity

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



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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	34.28000000 MHz	11.32	Quasi Peak	-28.68
1	44.32000000 MHz	10.19	Quasi Peak	-29.81
1	145.44000000 MHz	14.97	Quasi Peak	-28.53
1	152.08000000 MHz	18.64	Quasi Peak	-24.86

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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

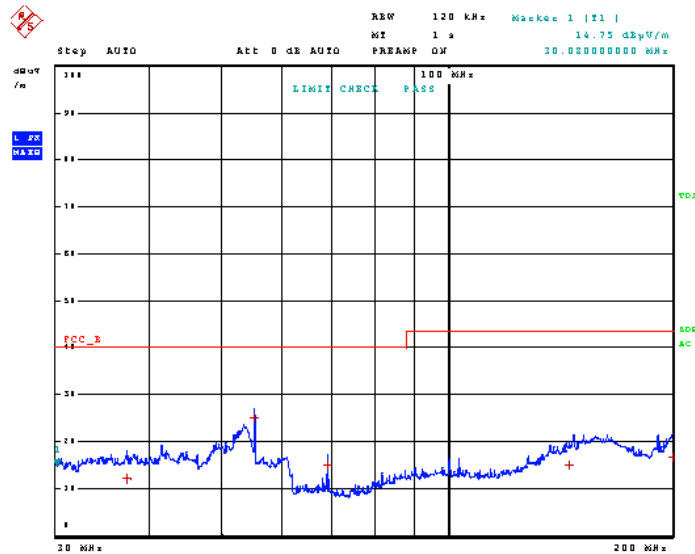
Polarity

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 μ 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

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB371B
 IC: 513C-UB371B
 Report: 188UT20TestReport_

Page 25 of 116

RADIATED SPURIOUS EMISSIONS

Test Data: 54 MHz Field Strength Plot, Horizontal Polarity



23.Jan 20 12:51

Test Spec CISPR 22 Radiated Disturbances

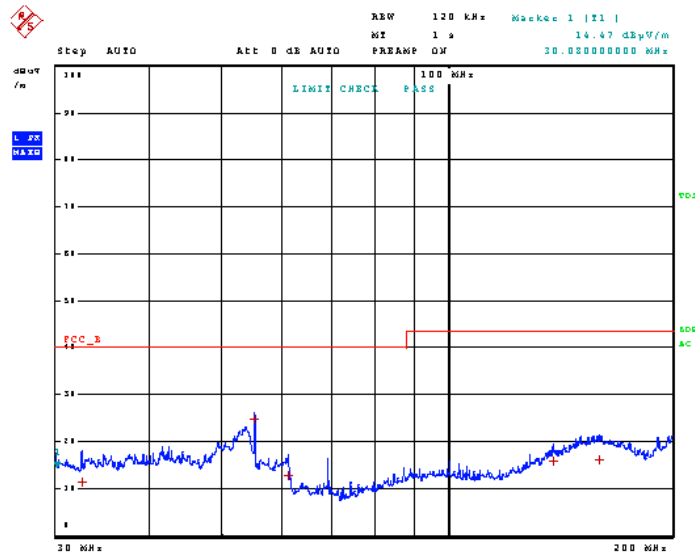
Polarity

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 μ s	Auto	20 dB	INPUT1



1 / 2 - Page 1 of 2

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

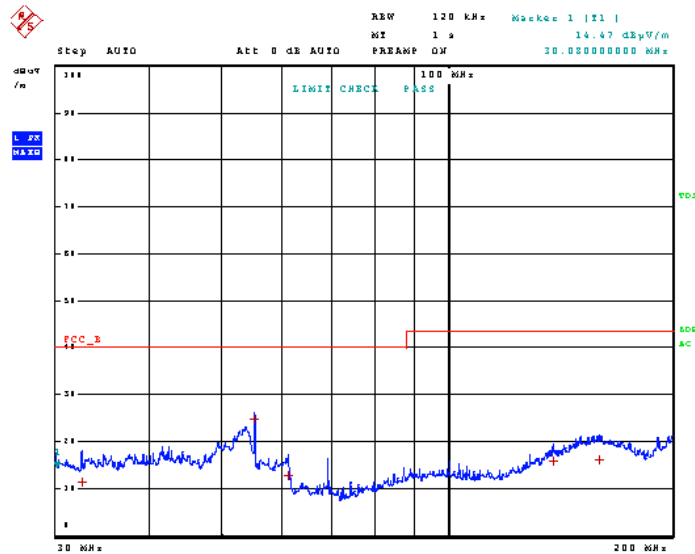
Polarity

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 μ 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: 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

Page 2 of 2

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

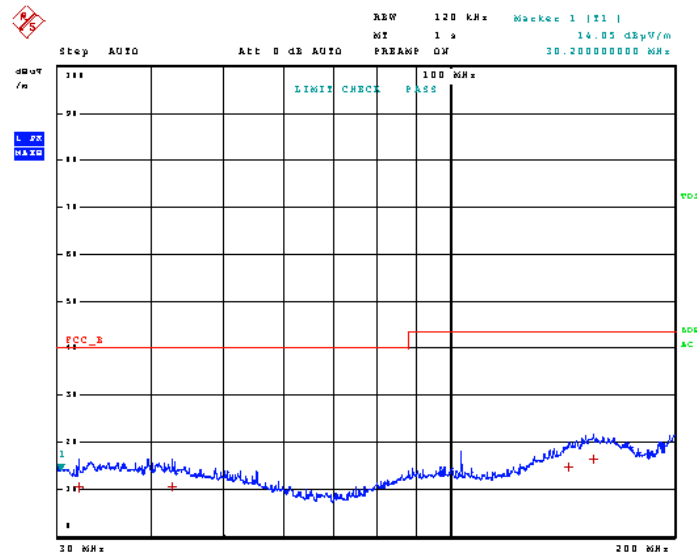
Polarity

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 μ 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: 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

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB371B
 IC: 513C-UB371B
 Report: 188UT20TestReport_

RADIATED SPURIOUS EMISSIONS

Test Data: 108 MHz Field Strength Plot, Vertical Polarity



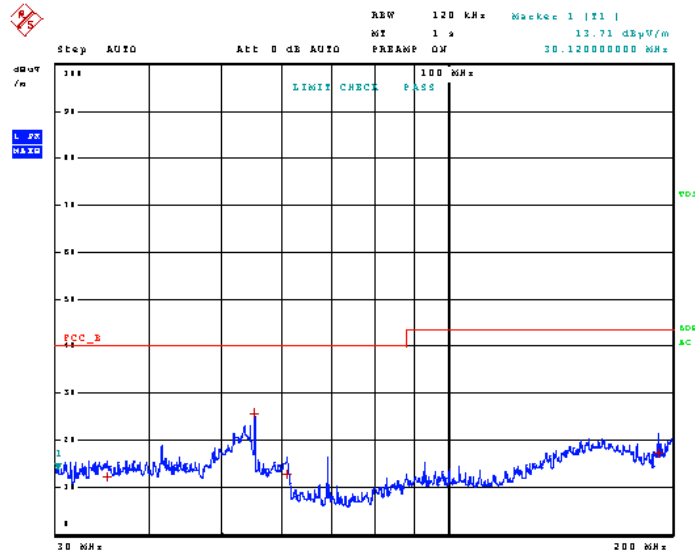
23.Jan 20 12:49

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 μ 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: 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

Page 2 of 2

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

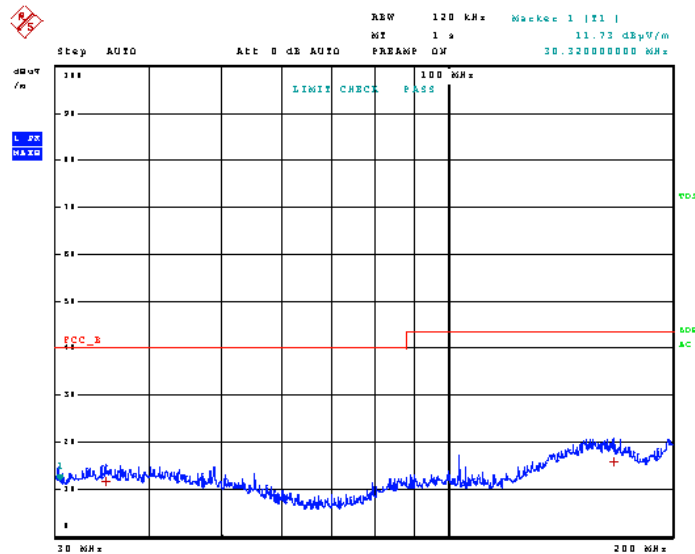
Polarity

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 μ 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: 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

Page 2 of 2

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

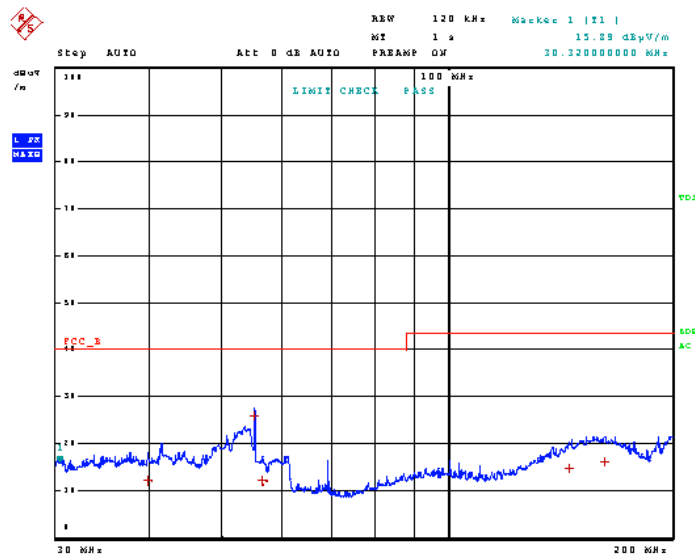
Polarity

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 μ 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: 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

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: 406 MHz Field Strength Plot, Horizontal Polarity



23.Jan 20 12:43

Test Spec CISPR 22 Radiated Disturbances

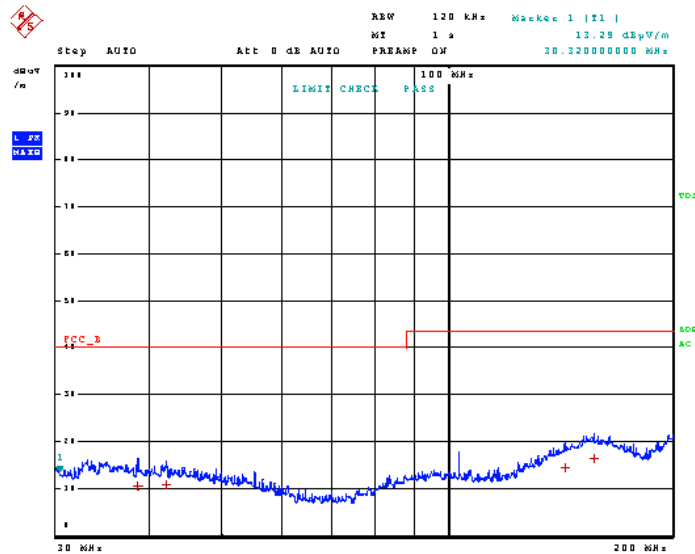
Polarity

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 μ 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

Page 2 of 2

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

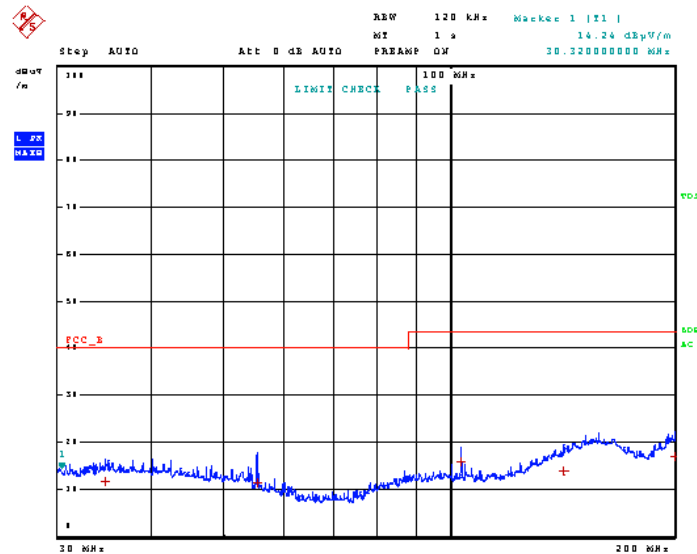
Polarity

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 μ 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: 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

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, Vertical Polarity



23.Jan 20 12:28

Test Spec CISPR 22 Radiated Disturbances

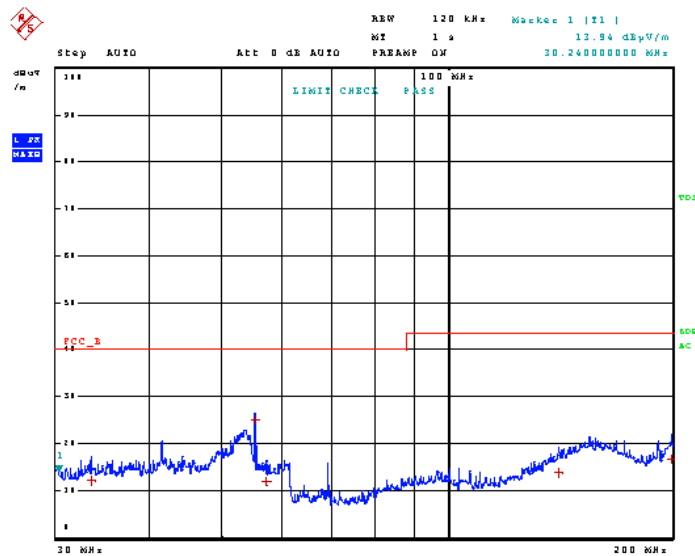
Polarity

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 μ 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: 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

Page 2 of 2

Applicant: UNIDEN AMERICA CORPORATION
 FCC ID: AMWUB371B
 IC: 513C-UB371B
 Report: 188UT20TestReport_

RADIATED SPURIOUS EMISSIONS

Scanned 200 MHz to 1 GHz

Test Data: 25 MHz Field Strength Plot, Horizontal Polarity



23.Jan 20 13:14

Test Spec CISPR 22 Radiated Disturbances

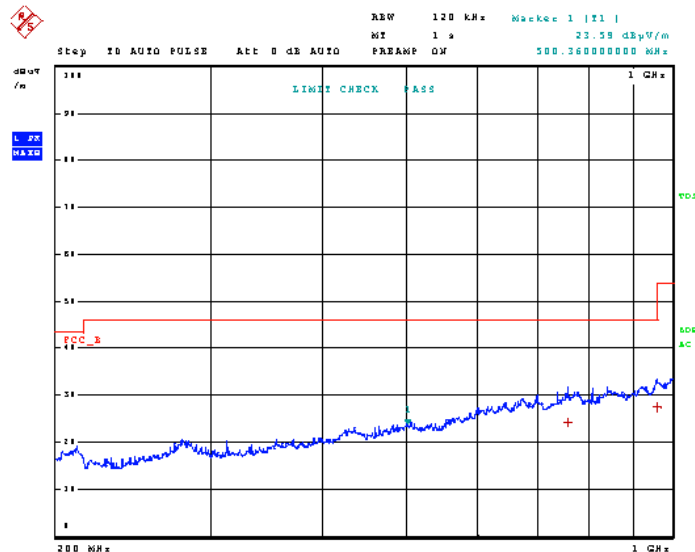
Polarity

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



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, 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

Page 2 of 2

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

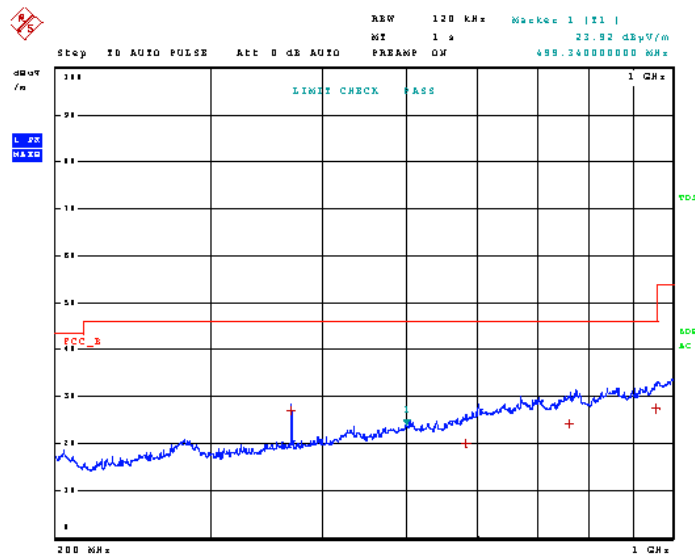
Polarity

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 μ 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 13:08

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

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: 54 MHz Field Strength Plot, Horizontal Polarity



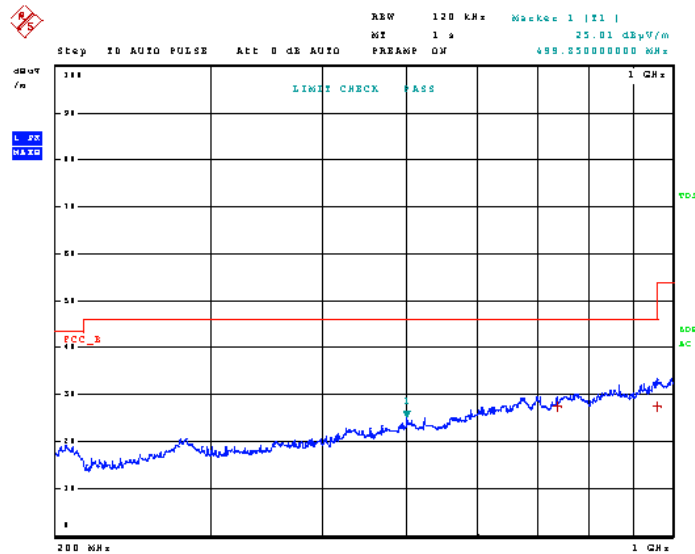
23.Jan 20 13:17

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 μ 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: 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

Page 2 of 2

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

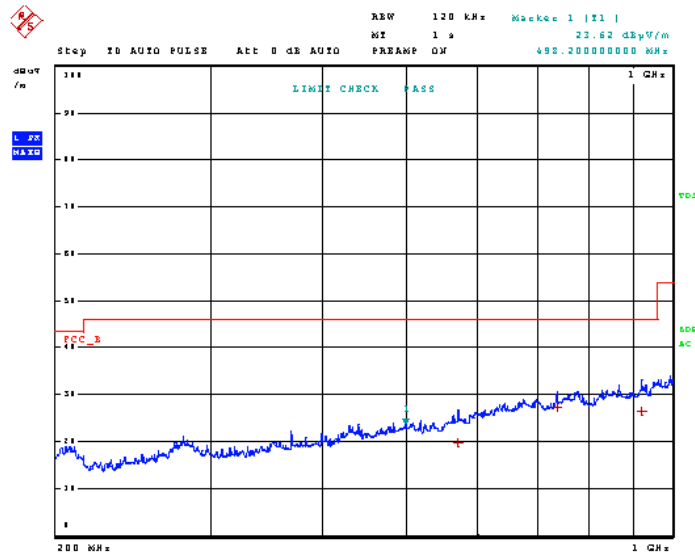
Polarity

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 μ 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: 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

Page 2 of 2

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

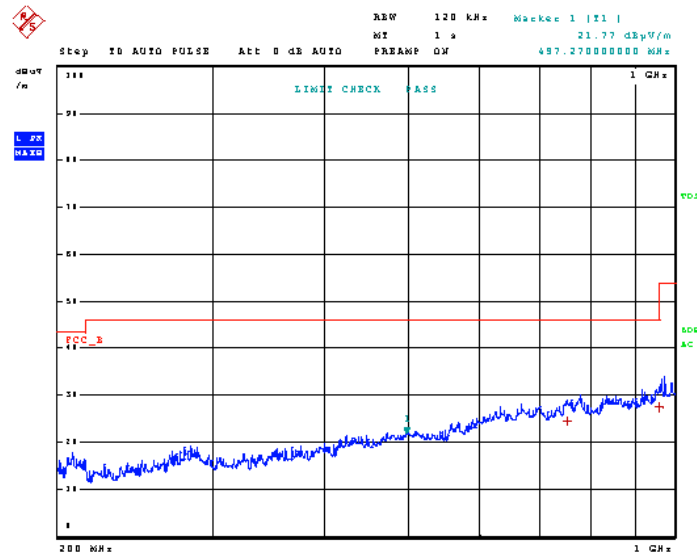
Polarity

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 μ 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: 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

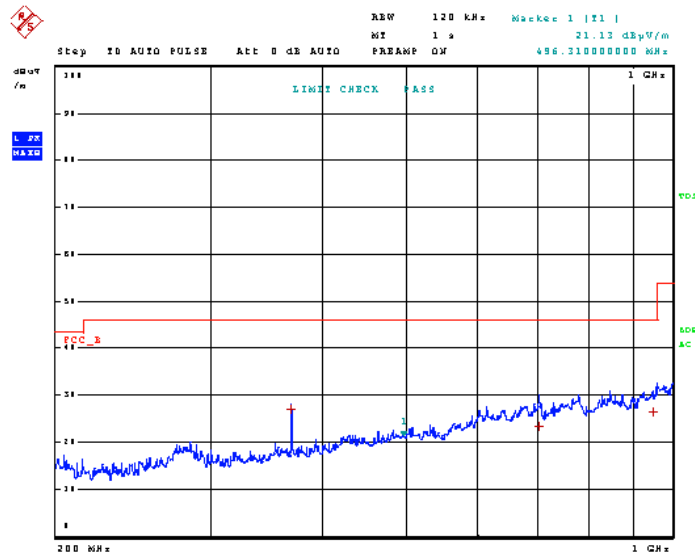
Polarity

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 μ 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_

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 μ 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

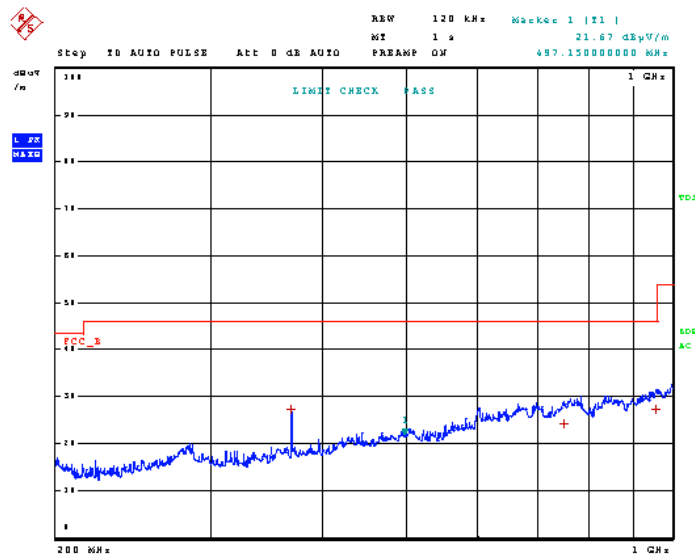
Polarity

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 μ 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



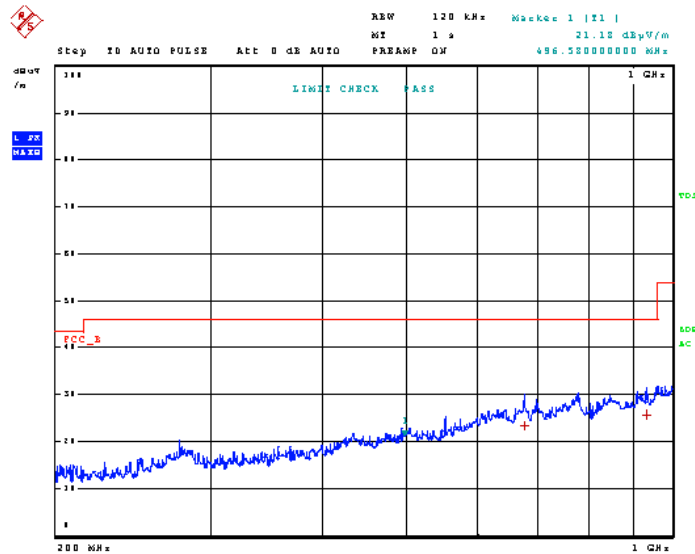
23.Jan 20 13:29

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 μ 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

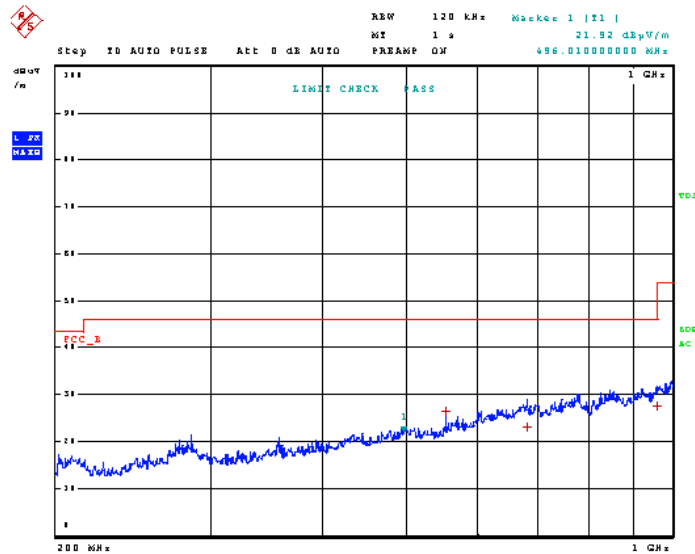
Polarity

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 μ 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
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RADIATED SPURIOUS EMISSIONS

Test Data: 512 MHz Field Strength Plot, Horizontal Polarity



23.Jan 20 13:31

Test Spec CISPR 22 Radiated Disturbances

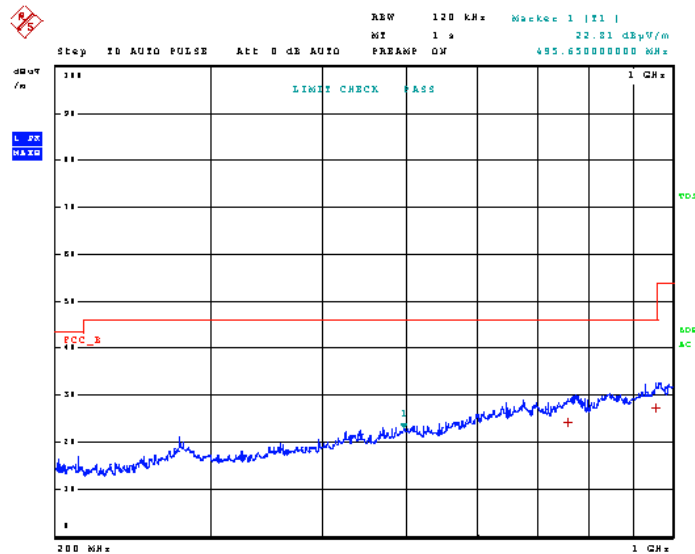
Polarity

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 μ 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
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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

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
FCC ID: AMWUB371B
IC: 513C-UB371B
Report: 188UT20TestReport_

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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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Applicant: UNIDEN AMERICA CORPORATION
FCC ID: AMWUB371B
IC: 513C-UB371B
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RADIATED SPURIOUS EMISSIONS

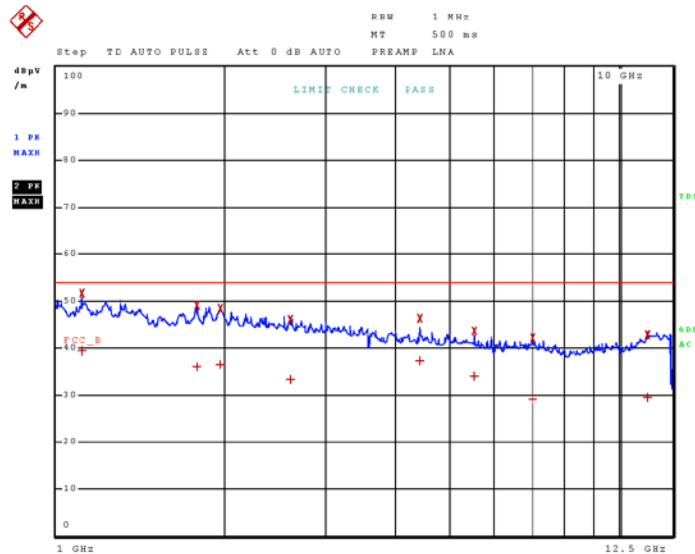
Test Data: 174 MHz Field Strength Plot, Horizontal Polarity

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 μ s	Auto	35 dB	INPUT1



Page 1 of 2

Applicant: UNIDEN AMERICA CORPORATION
FCC ID: AMWUB371B
IC: 513C-UB371B
Report: 188UT20TestReport_

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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Applicant: UNIDEN AMERICA CORPORATION
FCC ID: AMWUB371B
IC: 513C-UB371B
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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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Applicant: UNIDEN AMERICA CORPORATION
FCC ID: AMWUB371B
IC: 513C-UB371B
Report: 188UT20TestReport_

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RADIATED SPURIOUS EMISSIONS

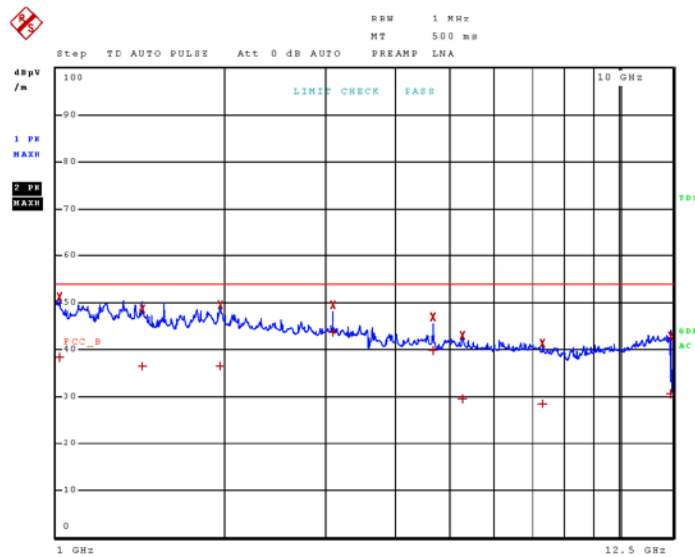
Test Data: 406 MHz Field Strength Plot, Horizontal Polarity

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 μ 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: 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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Applicant: UNIDEN AMERICA CORPORATION
FCC ID: AMWUB371B
IC: 513C-UB371B
Report: 188UT20TestReport_

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RADIATED SPURIOUS EMISSIONS

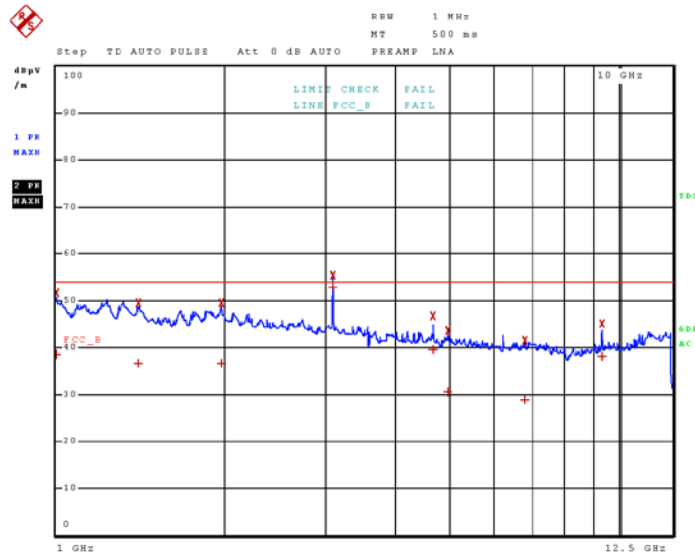
Test Data: 406 MHz Field Strength Plot, Vertical Polarity

05.Feb 20 16:25

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 μ s	Auto	35 dB	INPUT1



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Applicant: UNIDEN AMERICA CORPORATION
FCC ID: AMWUB371B
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Report: 188UT20TestReport_

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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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Applicant: UNIDEN AMERICA CORPORATION
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IC: 513C-UB371B
Report: 188UT20TestReport_

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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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Applicant: UNIDEN AMERICA CORPORATION
FCC ID: AMWUB371B
IC: 513C-UB371B
Report: 188UT20TestReport_

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RADIATED SPURIOUS EMISSIONS

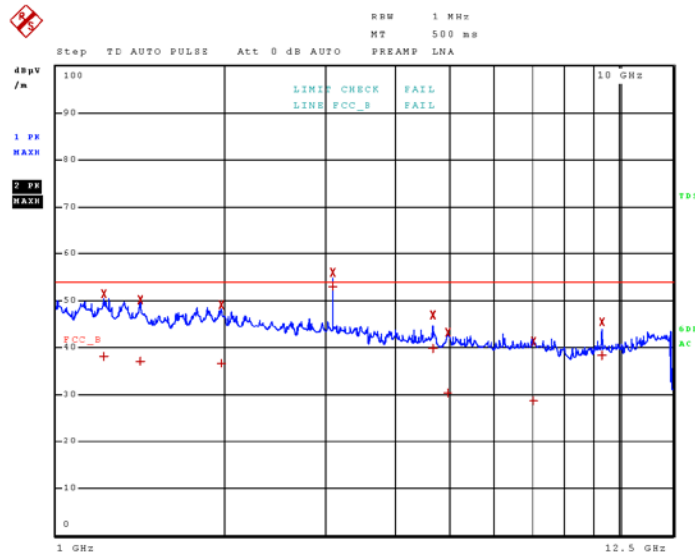
Test Data: 512 MHz Field Strength Plot, Vertical Polarity

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 μ s	Auto	35 dB	INPUT1



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Applicant: UNIDEN AMERICA CORPORATION
FCC ID: AMWUB371B
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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
FCC ID: AMWUB371B
IC: 513C-UB371B
Report: 188UT20TestReport_

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RADIATED SPURIOUS EMISSIONS

ANTENNA CONDUCTED POWER

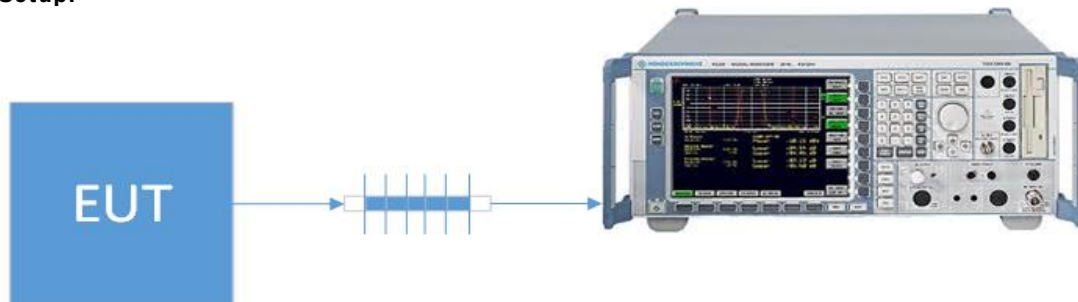
Rule Part No.: FCC Part 15 Subpart B

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 Ω coaxial cable.

Setup:



Results: N/A.

POWER LINE CONDUCTED INTERFERENCE

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

Requirements:

Frequency (MHz)	Quasi Peak Limits (dB μ V)	Average Limits (dB μ 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

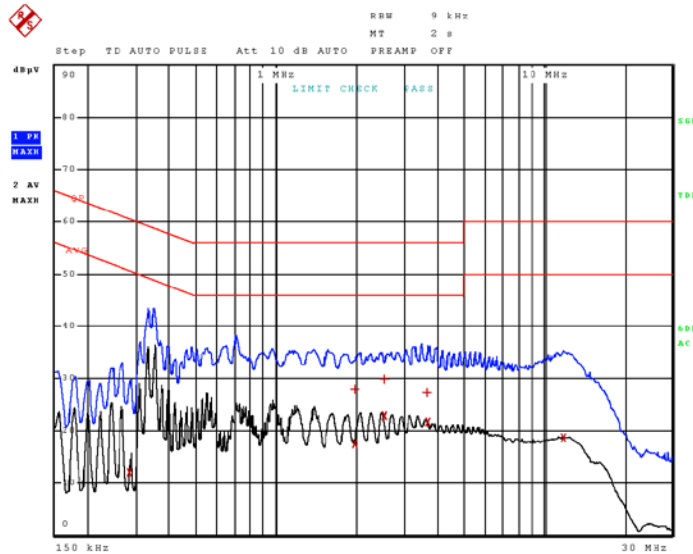
Test Data: Scanning, Line 1 Peak Plot

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 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

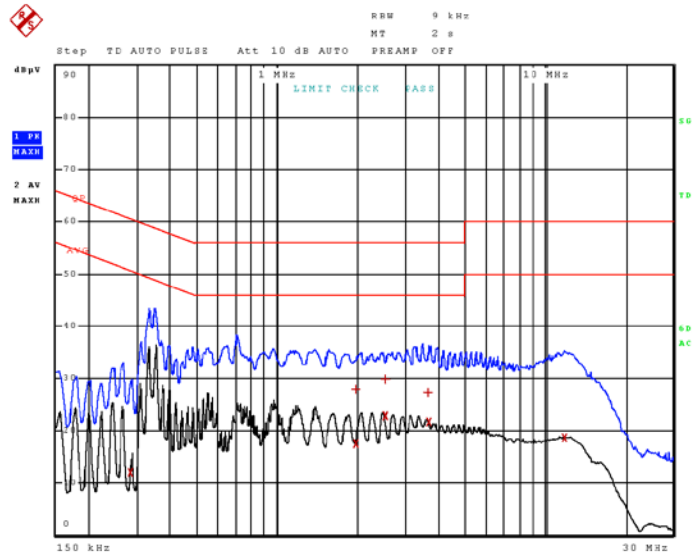
Test Data: Tuned to 25 MHz, Line 1 Peak Plot

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

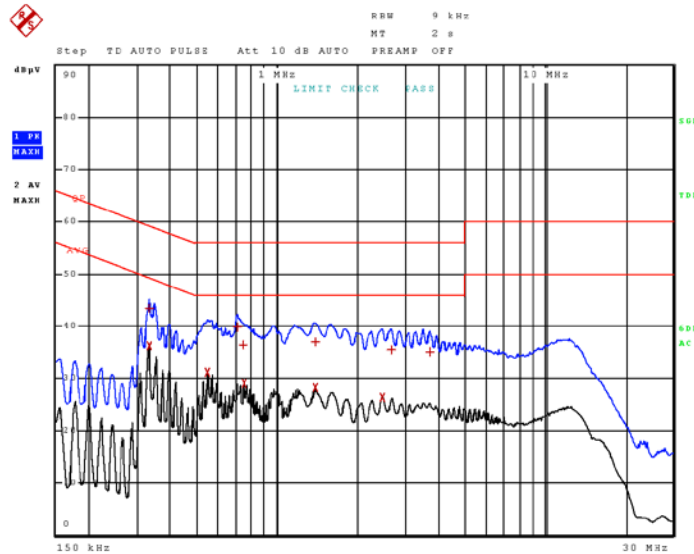
Test Data: Tuned to 25 MHz, Line 2 Peak Plot

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

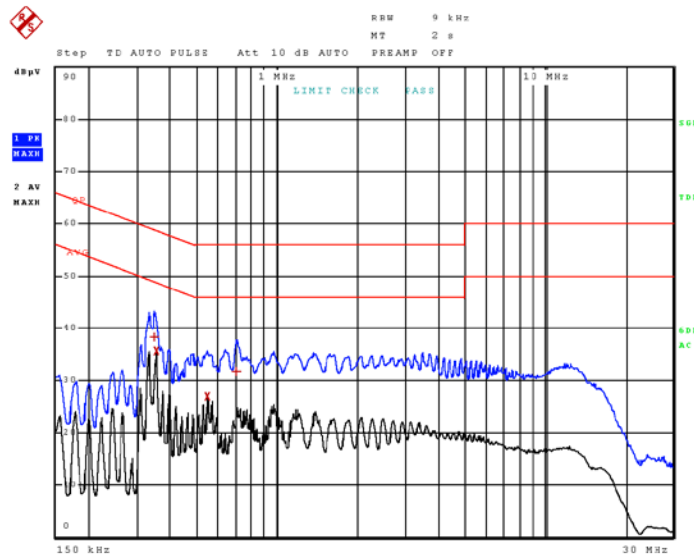
Test Data: Tuned to 54 MHz, Line 1 Peak Plot

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

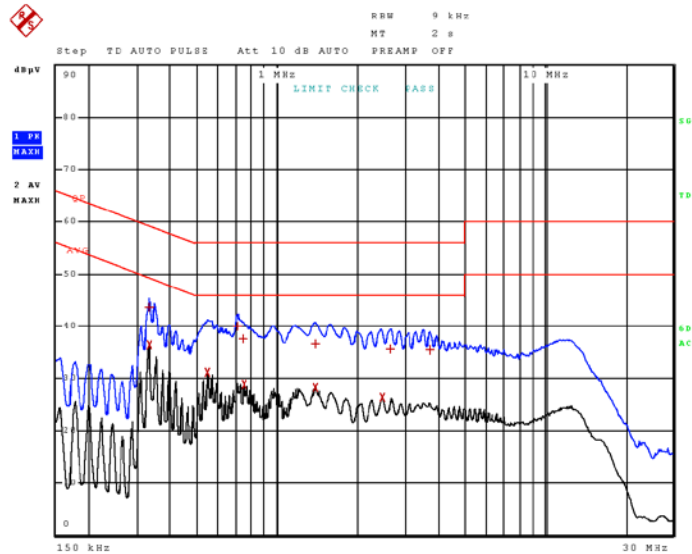
Test Data: Tuned to 54 MHz, Line 2 Peak Plot

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	330.000000000 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

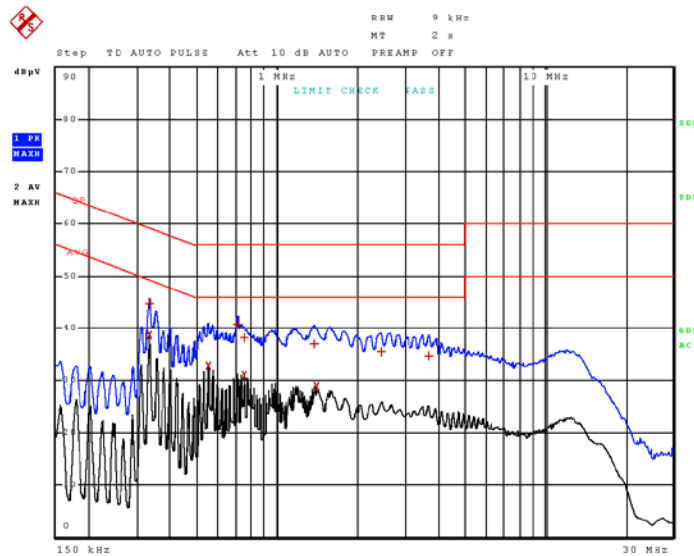
Test Data: Tuned to 108 MHz, Line 1 Peak Plot

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



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 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

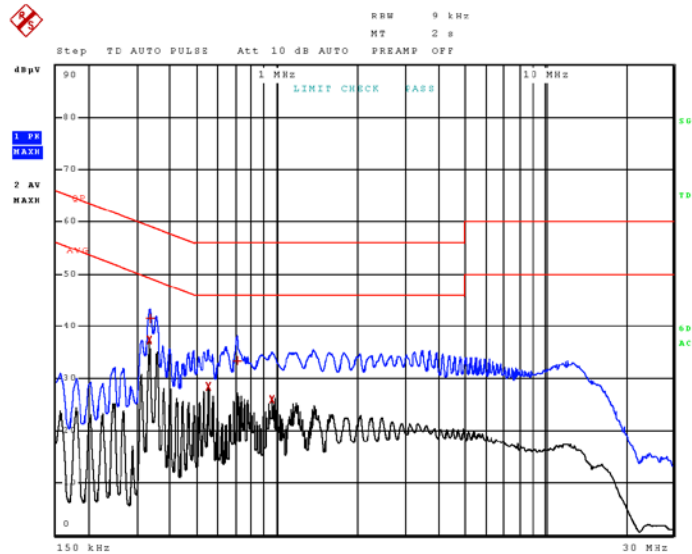
Test Data: Tuned to 108 MHz, Line 2 Peak Plot

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

Page 2 of 2

Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION
FCC ID: AMWUB371B
IC: 513C-UB371B
Report: 188UT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

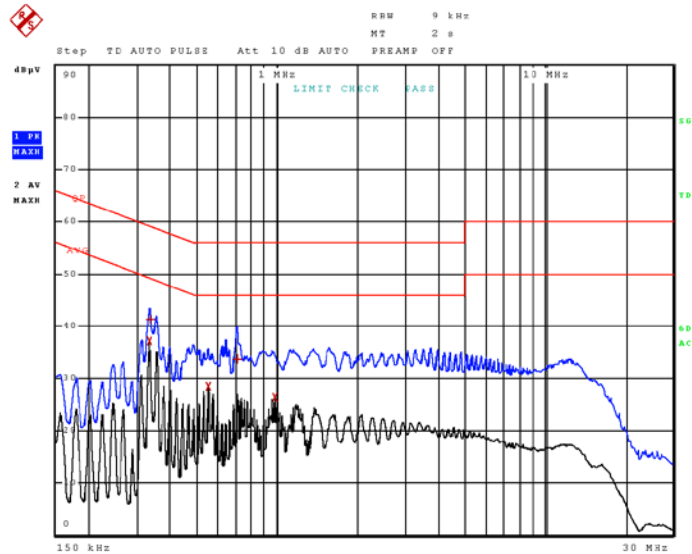
Test Data: Tuned to 174 MHz, Line 1 Peak Plot

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

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 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

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Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION
FCC ID: AMWUB371B
IC: 513C-UB371B
Report: 188UT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

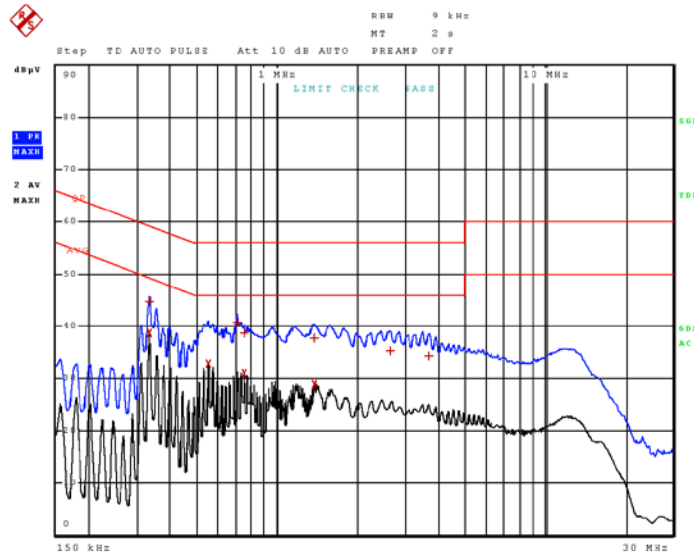
Test Data: Tuned to 174 MHz, Line 2 Peak Plot

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



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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 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

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Results Meets Requirements

Applicant: UNIDEN AMERICA CORPORATION
FCC ID: AMWUB371B
IC: 513C-UB371B
Report: 188UT20TestReport_

POWER LINE CONDUCTED INTERFERENCE

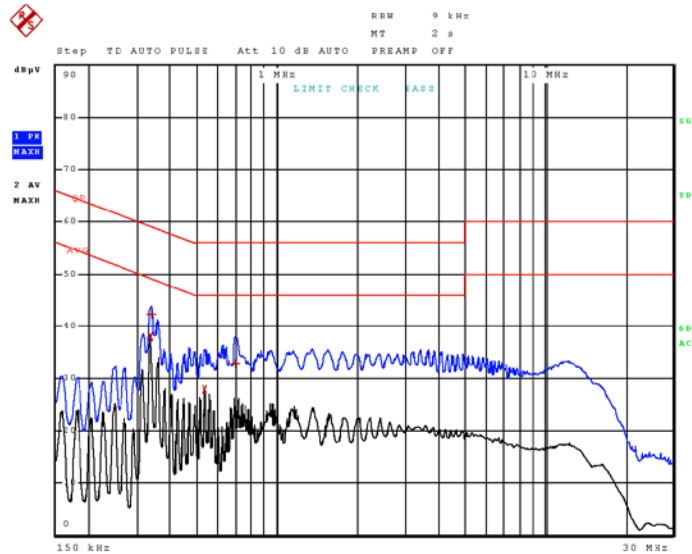
Test Data: Tuned to 406 MHz, Line 1 Peak Plot

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

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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 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

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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 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

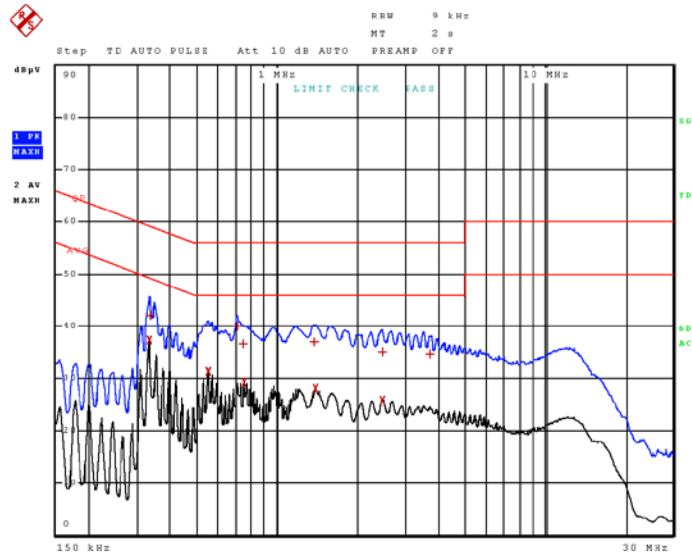
Test Data: Tuned to 512 MHz, Line 1 Peak Plot

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	330.000000000 kHz	37.30	Average	-12.15
1	334.500000000 kHz	42.10	Quasi Peak	-17.24
2	550.500000000 kHz	31.21	Average	-14.79
1	705.750000000 kHz	39.91	Quasi Peak	-16.09
1	744.000000000 kHz	36.53	Quasi Peak	-19.47
2	750.750000000 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

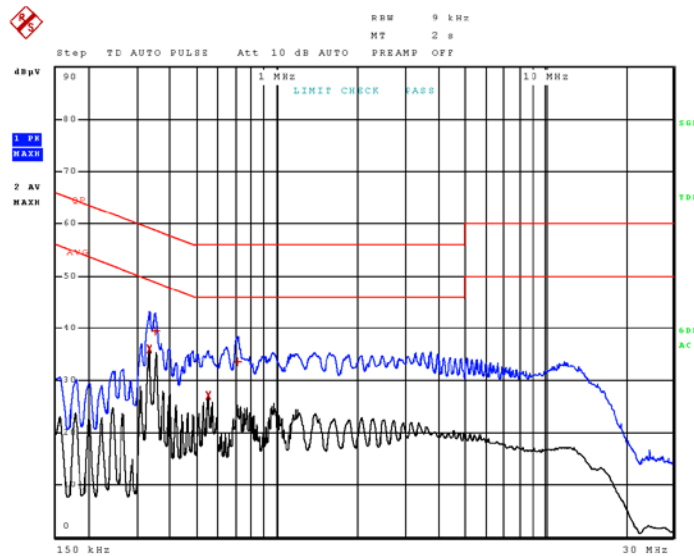
Test Data: Tuned to 512 MHz, Line 2 Peak Plot

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

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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 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: Biconical 1096	Eaton	94455-1	1096	08/01/17	08/01/20
Antenna: Log-Periodic 1243	Electro-Metrics	LPA-25	1243	03/29/18	03/29/20
CHAMBER	Panashield	3M	N/A	12/31/17	12/31/19
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	12/11/19
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: AMWUB371B
IC: 513C-UB371B
Report: 188UT20TestReport_