



	Test Report Serial No.:	240314AMW-T1290-E95D	Test Report Issue Date:	4/4/2014	
	Measurement Date(s):	29/06/2013-1/07/2013	Test Report Revision No.:	1.0	
	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	

Test Lab Certificate No. 2470.01

COMPLIANCE TEST REPORT		FCC PART 95D RSS-236		EMC/RF MEASUREMENT REPORT	
Test Lab Information	Name	CELLTECH LABS INCORPORATED			
	Address	21-364 Lougheed Road, Kelowna, British Columbia V1X 7R8 Canada			
Test Lab Accreditation(s)	A2LA	ISO 17025:2005 (A2LA Test Lab Certificate No. 2470.01)			
Test Site Registration No.	FCC	Accredited Site			
	IC	3874A-1			
Applicant Information	Name	UNIDEN AMERICA CORPORATION			
	Address	6225 North State Highway 161, Suite 300 Irving, Texas 75038			
Measurement Standard(s) & Procedure(s) Applied	FCC Ind. Can.	47 CFR Part 95 Subpart D RSS-236			
	ANSI	TIA/EIA-382-A	C63.4-2003		
Device Classification(s)	FCC/IC	Licensed Non-Broadcast Station Transmitter (TNF)			
Device RF Exposure Category	FCC	Mobile			
Device Identifier(s)	FCC ID: Ind. Can.	AMWUT401 513C-UT401			
Application Type	FCC/IC	Certification			
Device Under Test (DUT)	Portable CB Radio Transceiver.				
Date(s) of Evaluation	21st Mar- 25th Mar 2014				
Device Model(s)	PRO401HH				
Test Sample Serial No.(s)	TA Sample - Identical Prototype				
Transmit Frequency Range(s)	26.965 - 27.405 MHz				
Channels	1-40				
Rated MAX. TX Power	4W (36dBm)				
Modulation Type(s)	AM				
Emission Designator(s)	6K00A3E				
Antenna	External Whip, -10 dBi.				
Power Source(s) Tested	12 VDC Battery, DC Power Supply (13.8 V) / 9 x 1.5VDC cells (13.5VDC).				
<p>This wireless device has demonstrated compliance with the applicable technical standards indicated in the measurement report and was tested in accordance with the measurement procedures specified in FCC 47 CFR Rule Parts 2, Part 15B and Part 95D, RSS-236, RSS-GEN ANSI TIA/EIA-382-A and ANSI C63.4-2003.</p> <p>I attest to the accuracy of data. All measurements were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.</p> <p>The results and statements contained in this report pertain only to the device(s) evaluated.</p> <p>This test report shall not be reproduced partially, or in full, without the prior written approval of Celltech Labs Inc.</p>					
Test Report Approved By		Glen Westwell	4/4/2014	Celltech Labs Inc.	

Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
DUT Type:	AM Portable CB Radio Transceiver.			Frequency Range:	26.965 - 27.405 MHz	
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	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	



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Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
DUT Type:	AM Portable CB Radio Transceiver.			Frequency Range:	26.965 - 27.405 MHz	
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	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	

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TEST SUMMARY					
Referenced Standard(s):		FCC CFR Title 47 Parts 2, 95(D), 15(B)			
Appendix	Description of Test	Procedure Reference	Limit Reference	Date of compliance test verification	Result
A	Conducted Power	ANSI/TIA/EIA-382-A	§2.1033, 95 RSS-236	4/4/2014	Pass
B	Modulation Limiting	ANSI/TIA/EIA-382-A	§2.1047, 95 RSS-236	4/4/2014	Pass
C	Audio Frequency Response	ANSI/TIA/EIA-382-A	§2.1047, 95 RSS-236	4/4/2014	Pass
D	Occupied Bandwidth and Emission Mask	ANSI/TIA/EIA-382-A	§2.1049, 95 RSS-236	4/4/2014	Pass
E	Conducted TX Spurious Emissions	ANSI/TIA/EIA-382-A	§2.1053, 95 RSS-236	4/4/2014	Pass
F	Radiated TX Spurious Emissions	ANSI/TIA/EIA-382-A	§2.1053, 95 RSS-236	4/4/2014	Pass
	Radiated Spurious Emissions	ANSI C63.4:2003	§15 Subpart B ICES-003	4/4/2014	Pass
G	Frequency Stability	ANSI/TIA/EIA-382-A	§2.1055, 95 RSS-236	4/4/2014	Pass


Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
DUT Type:	AM Portable CB Radio Transceiver.			Frequency Range:	26.965 - 27.405 MHz	
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	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	

### REVISION LOG

Revision	Description	Implemented By	Implementation Date
1.0	1st Release	Glen Westwell	4/4/2014

Test Report Prepared By	Date	QA Review By	Date
Glen Westwell	4/4/2014	Art Voss	4/4/2014

Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
DUT Type:	AM Portable CB Radio Transceiver.			Frequency Range:	26.965 - 27.405 MHz	
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## 1.0 SCOPE

This report outlines the measurements made and results collected during electromagnetic emissions testing of the Uniden America Corporation CB Radio Transceiver FCC/IC: AMWUT401/513C-UT401. The measurement results were applied against the applicable EMC requirements and limits outlined in the technical rules and regulations set forth in the Federal Communication's Commission Code of Federal Regulations Title 47 Part 2, Part 95 Subpart D and RSS-236.


## 2.0 REFERENCES



### 2.1 Normative References

ANSI/ISO 17025:2005	General Requirements for competence of testing and calibration laboratories
IEEE/ANSI C63.4:2003	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
ANSI/TIA/EIA-382-A	Citizens Band Radio Service Amplitude Modulated (AM) Transceivers Operating in the 27 MHz Band
CFR Title 47 Part 2	Code of Federal Regulations Title 47: Telecommunication Part 2: Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
CFR Title 47 Part 95	Code of Federal Regulations Title 47: Telecommunication Part 95: Personal Radio Services Subpart D - Citizens Band (CB) Radio Service
Industry Canada	RSS-236, RSS-GEN

## 3.0 PASS/FAIL CRITERIA

Unless otherwise noted in the Appendices, the pass/fail criteria is the limit set forth in the reference standards. The DUT is considered to have passed the requirements if the data collected during the described measurement procedure is no greater than the specified limits as defined. The pass/fail statements made in this report only apply to the unit tested.

Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
DUT Type:	AM Portable CB Radio Transceiver.			Frequency Range:	26.965 - 27.405 MHz	
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	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	

Test Lab Certificate No. 2470.01


#### 4.0 FACILITIES AND ACCREDITATIONS

The facilities used in collecting the test results outlined in this report are located at 21-364 Lougheed Road, Kelowna, British Columbia, Canada V1X 7R8. The radiated emissions site conforms to the requirements set forth in ANSI C63.4 and is filed and listed with Industry Canada under File Number IC 3874A-1. Celltech test site is listed with the FCC as an accredited test facility.



#### 5.0 GENERAL INFORMATION

##### 5.1 DUT Description & Specifications

Device Type:	Portable CB Radio Transceiver.	
Device Model(s):	PRO401HH	
Test Sample Serial No.:	T/A Sample - Identical Prototype	
Device Identifier(s):	FCC ID: Ind. Can.:	AMWUT401 513C-UT401
Transmit Frequency Range:	26.965 - 27.405 MHz (Chan. 1-40)	
No. of Channels:	40	
Manuf. Max. Rated Output Power:	36.0dBm (Conducted)	
RF Output Power Measured:	35.6 (Conducted)	
Antenna Gain:	-10 dBi	
Modulation:	AM	
Emission Designator:	6k00A3E  Bn = 2M M = 3000 Bn = 6000	
DUT Power Source:	12 VDC Battery, DC Power Supply (13.8 V) / 9 x1.5VDC cells (13.5VDC).	
Type of Equipment:	Licensed Non-Broadcast Station Transmitter (TNF)	
Deviation(s) from standard/procedure:	None	
Modification of DUT:	None	
Applicable Standards:	EIA/TIA-382-A, FCC CFR 47 Part 95, RSS-GEN, RSS-236	

Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
DUT Type:	AM Portable CB Radio Transceiver.			Frequency Range:	26.965 - 27.405 MHz	
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	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	

Test Lab Certificate No. 2470.01

#### A.4 TEST RESULTS: COMPLIES

Transmit Power			
High Power	Measured (dBm)	Rated (dBm)	Margin (dB)
Ch. 1	35.3	36.0	-0.7
Ch. 20	35.6	36.0	-0.4
Ch. 40	35.5	36.0	-0.5
Low Power			
Ch. 1	31.6	32.0	-0.4
Ch. 20	31.9	32.0	-0.1
Ch. 40	31.9	32.0	-0.1

#### A.5 SIGN-OFF


I attest to the accuracy of the data. All measurements reported herein were performed by me and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements.



Glen Westwell  
Lab Manager  
Celltech Labs Inc.

4/4/2014

Date

Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
DUT Type:	AM Portable CB Radio Transceiver.			Frequency Range:	26.965 - 27.405 MHz	
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Measurement Date(s):	29/06/2013-1/07/2013	Test Report Revision No.:	1.0
Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236 RSS GEN	Test Site Registration(s):	FCC Accredited Site

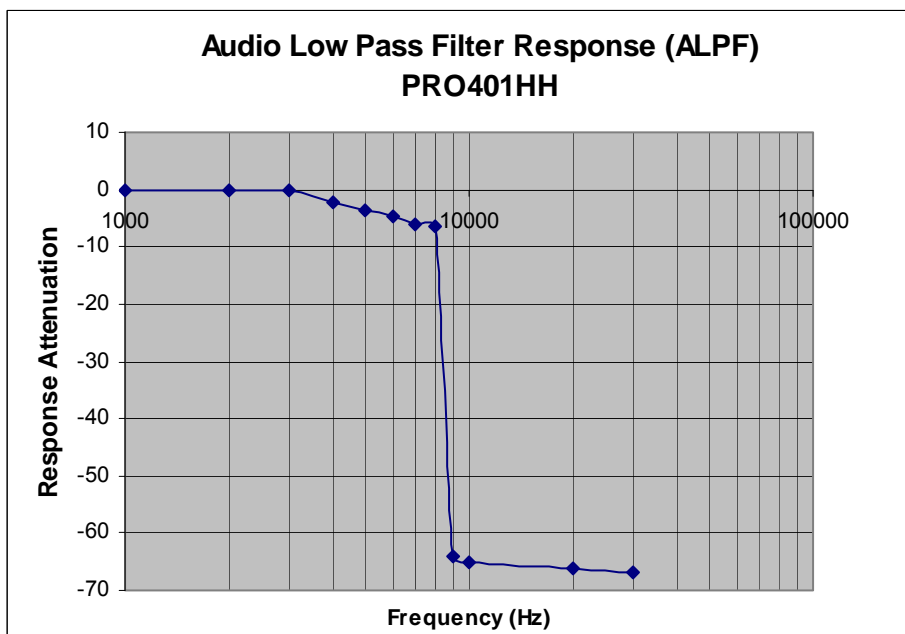
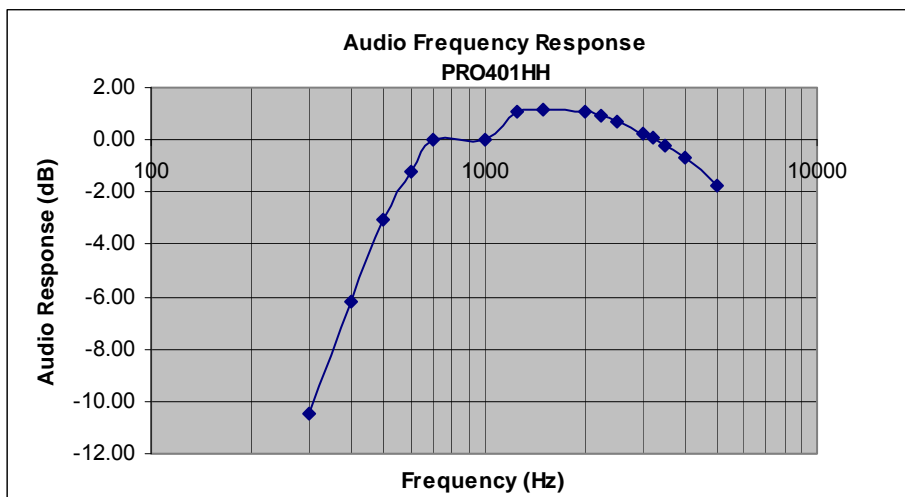






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	Measurement Date(s):	29/06/2013-1/07/2013	Test Report Revision No.:	1.0	
	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	
Test Lab Certificate No. 2470.01					

## C.6 TEST RESULTS : COMPLIES




## C.7 SIGN-OFF

I attest to the accuracy of the data. All measurements reported herein were performed by me and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements.






Glen Westwell  
Lab Manager  
Celltech Labs Inc, 21 Mar 2014

Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
DUT Type:	AM Portable CB Radio Transceiver.			Frequency Range:	26.965 - 27.405 MHz	
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Measurement Date(s):	29/06/2013-1/07/2013	Test Report Revision No.:	1.0
Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236 RSS GEN	Test Site Registration(s):	FCC Accredited Site

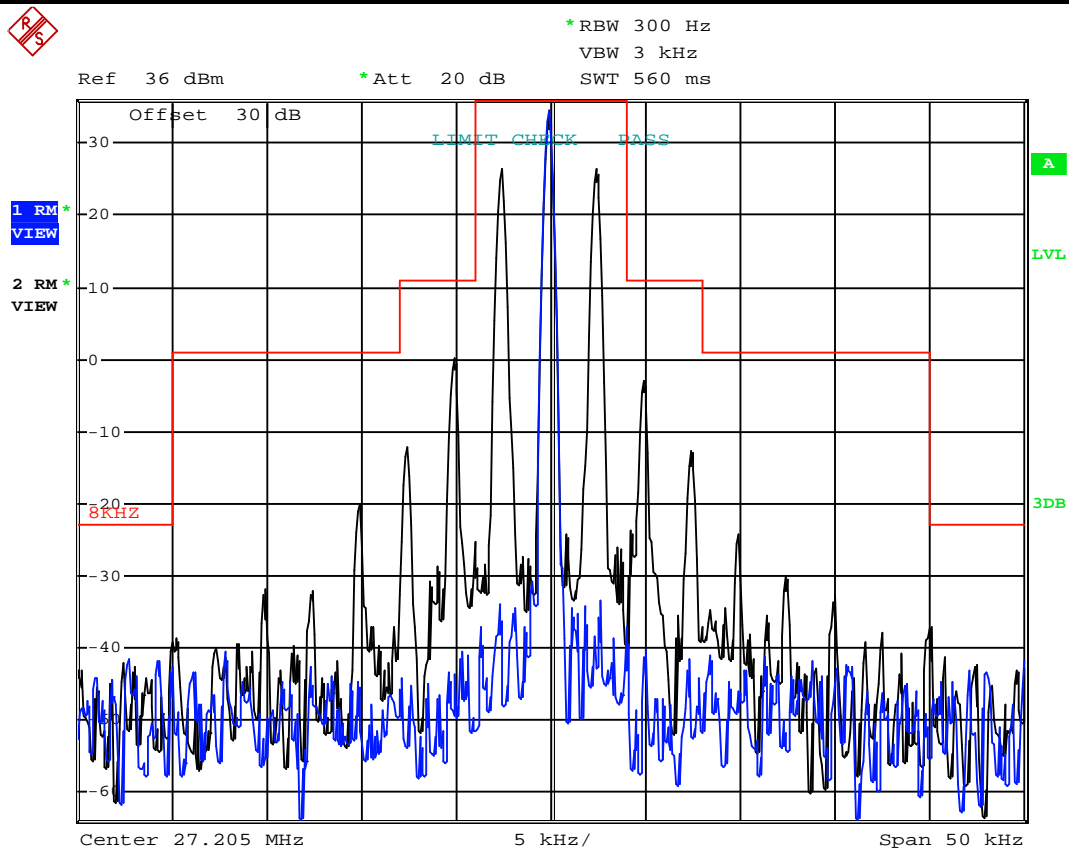


<b>Applicant:</b>	<b>Uniden America Corporation</b>	<b>FCC ID: Ind. Can.:</b>	<b>AMWUT401 513C-UT401</b>	<b>Model(s):</b>	<b>PRO401HH</b>	
<b>DUT Type:</b>	<b>AM Portable CB Radio Transceiver.</b>			<b>Frequency Range:</b>	<b>26.965 - 27.405 MHz</b>	
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	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	



## D.6 TEST RESULTS: COMPLIES

### D.6.1 Occupied Bandwidth, High Power



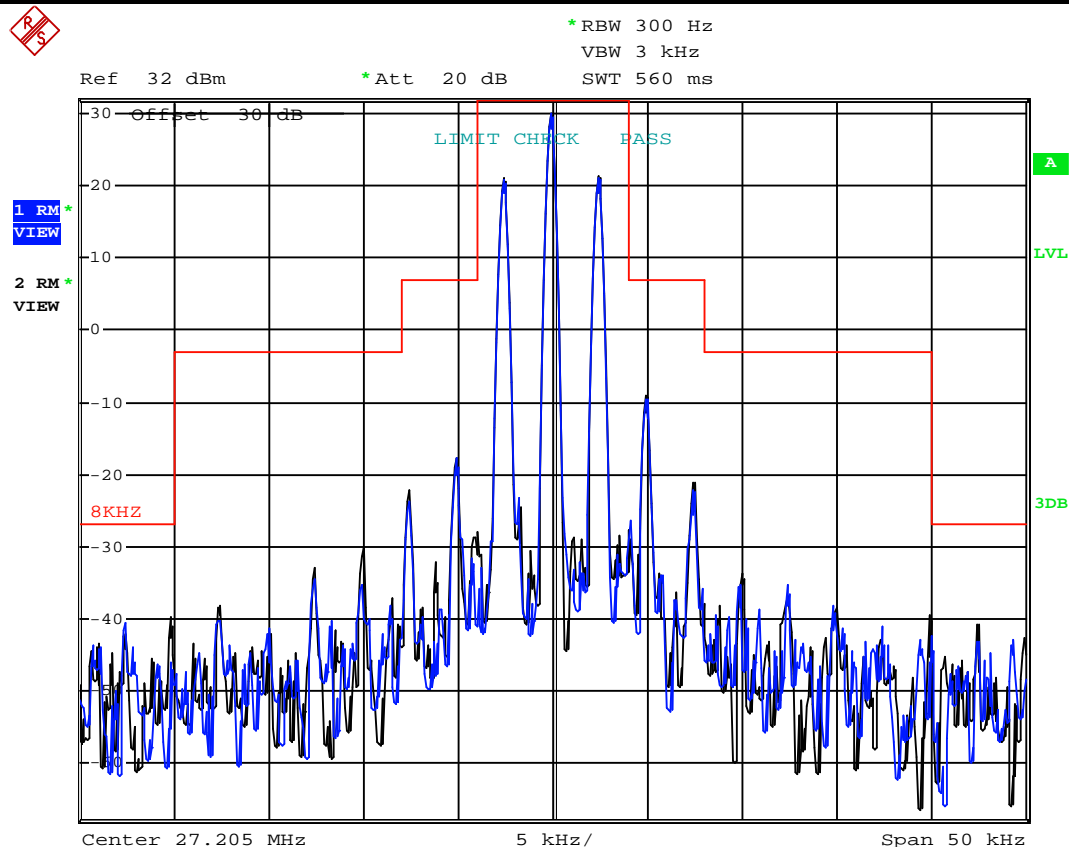
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Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
DUT Type:	AM Portable CB Radio Transceiver.			Frequency Range:	26.965 - 27.405 MHz	
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	Measurement Date(s):	29/06/2013-1/07/2013	Test Report Revision No.:	1.0	
	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	

## D.7 TEST RESULTS: COMPLIES

### D.7.1 Occupied Bandwidth, Low Power



Date: 24.MAR.2014 15:21:27

## D.8 SIGN-OFF


I attest to the accuracy of the data. All measurements reported herein were performed by me and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements.





Glen Westwell  
Lab Manager  
Celltech Labs Inc.

4/4/2014

Date

Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
DUT Type:	AM Portable CB Radio Transceiver.			Frequency Range:	26.965 - 27.405 MHz	
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	Measurement Date(s):	29/06/2013-1/07/2013	Test Report Revision No.:	1.0	
	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	

Test Lab Certificate No. 2470.01

## Appendix E Spurious Emissions at the Antenna Terminal

### E.1 REFERENCES

**Normative Reference Standard** FCC CFR 47 §2.1051, Part 95D, 95.635; RSS-236, 5.4.4, RSS-GEN

### E.2 LIMITS

Part 95D: 95.635  
RSS-236: 5.4.4

$53 + 10 \log(P_o) = 59\text{dBc}$ ,  $60\text{dBc} \geq$  twice the fundamental frequency.

### E.3 ENVIRONMENTAL CONDITIONS

**Temperature** 25 +/- 5 °C

**Humidity** 40 +/- 10 %

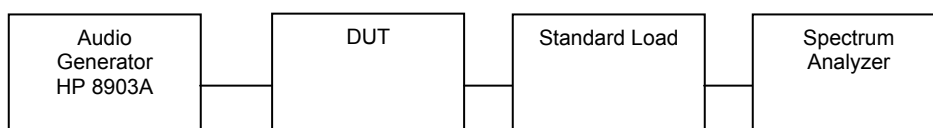
**Barometric Pressure** 101 +/- 3 kPa

### E.4 EQUIPMENT LIST

ASSET NUMBER	MANUFACTURER	MODEL	DESCRIPTION	CAL DUE
00027	HP	8903B	Audio Generator/Analyzer	21-Jul-14
00099	Mini-Circuits	BHP-50	High Pass Filter	Cal on use
00241	R&S	FSU40	Spectrum Analyzer	04-Sep-15

### E.5 SETUP DRAWING

Figure E.5-1 - Setup Drawing – Occupied Bandwidth & Emission Mask




#### Notes:



- The spectrum was searched from 9 kHz to 500 MHz.
- All detected emissions have been reported.

#### Detected Emissions

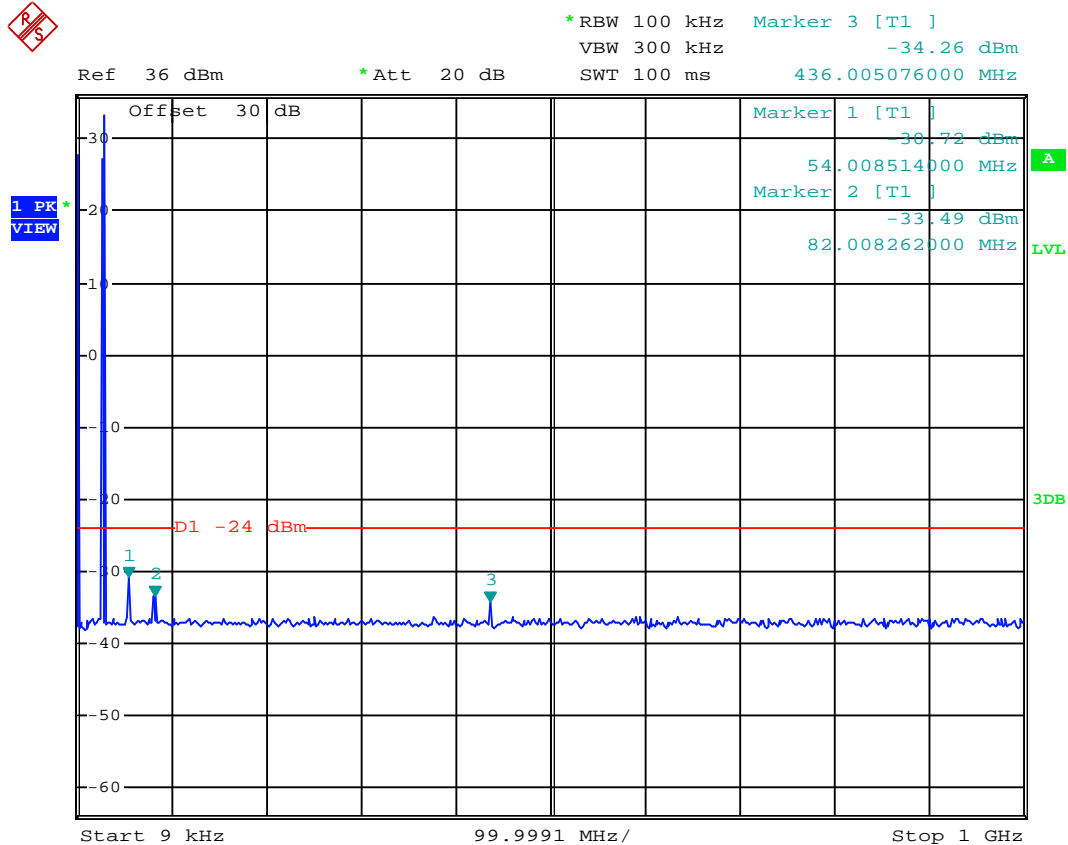
Emission Frequency	Level	Level	Limit	Margin
[MHz]	[dBm]	[dBc]	[dBc]	[dB]
54.41	-31.01	67.01	60	-7.01
81.6	-34.75	70.75	60	-10.75

<b>Applicant:</b>	Uniden America Corporation	<b>FCC ID:</b>	AMWUT401	<b>Model(s):</b>	PRO401HH	
<b>DUT Type:</b>	AM Portable CB Radio Transceiver.	<b>Ind. Can.:</b>	513C-UT401	<b>Frequency Range:</b>	26.965 - 27.405 MHz	
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	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	

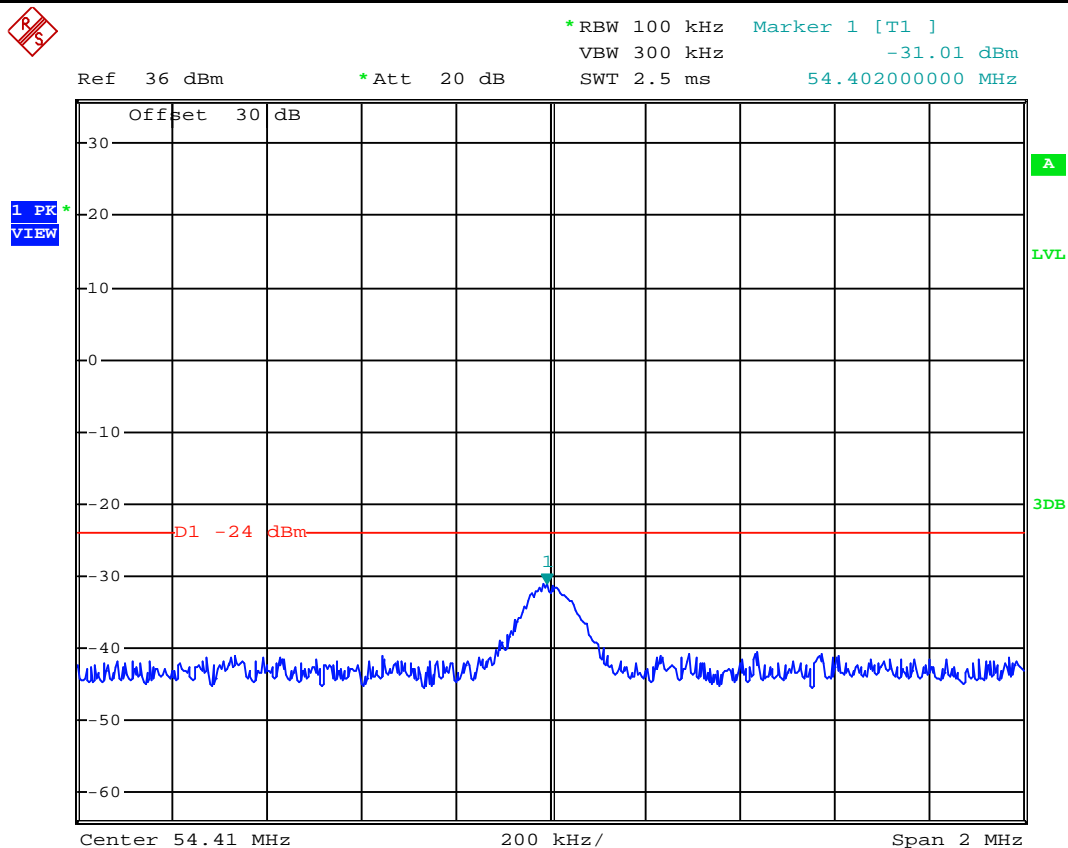
## E.6 TEST RESULTS: COMPLIES





Date: 24.MAR.2014 15:27:06

Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
DUT Type:	AM Portable CB Radio Transceiver.			Frequency Range:	26.965 - 27.405 MHz	
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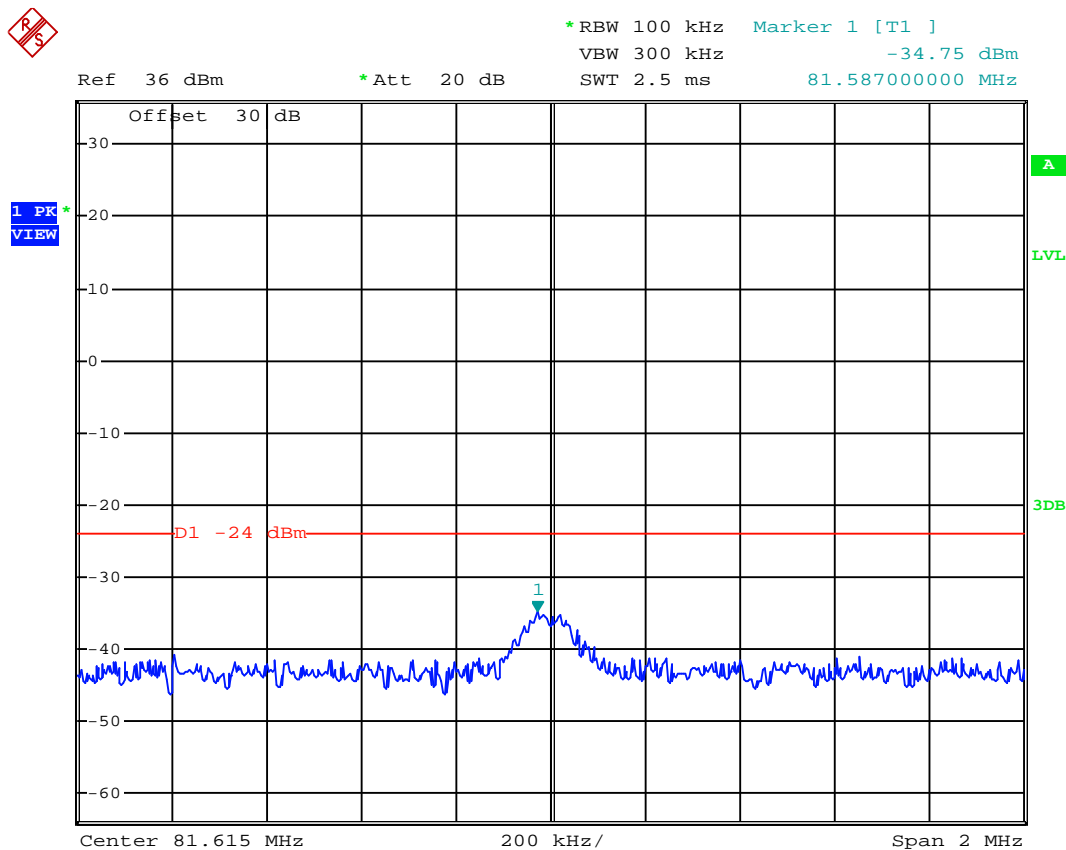
## E.7 TEST RESULTS: COMPLIES



Date: 24.MAR.2014 15:31:03

 Testing and Engineering Services Ltd	Test Report Serial No.:	240314AMW-T1290-E95D	Test Report Issue Date:	4/4/2014	 Test Lab Certificate No. 2470.01
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	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	

## E.8 TEST RESULTS: COMPLIES



Date: 24.MAR.2014 15:33:59

## E.9 SIGN-OFF


I attest to the accuracy of the data. All measurements reported herein were performed by me and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements.



Glen Westwell  
 Lab Manager  
 Celltech Labs Inc.


4/4/2014



Date

Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
DUT Type:	AM Portable CB Radio Transceiver.			Frequency Range:	26.965 - 27.405 MHz	
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<b>DUT Type:</b>	<b>AM Portable CB Radio Transceiver.</b>			<b>Frequency Range:</b>	<b>26.965 - 27.405 MHz</b>	
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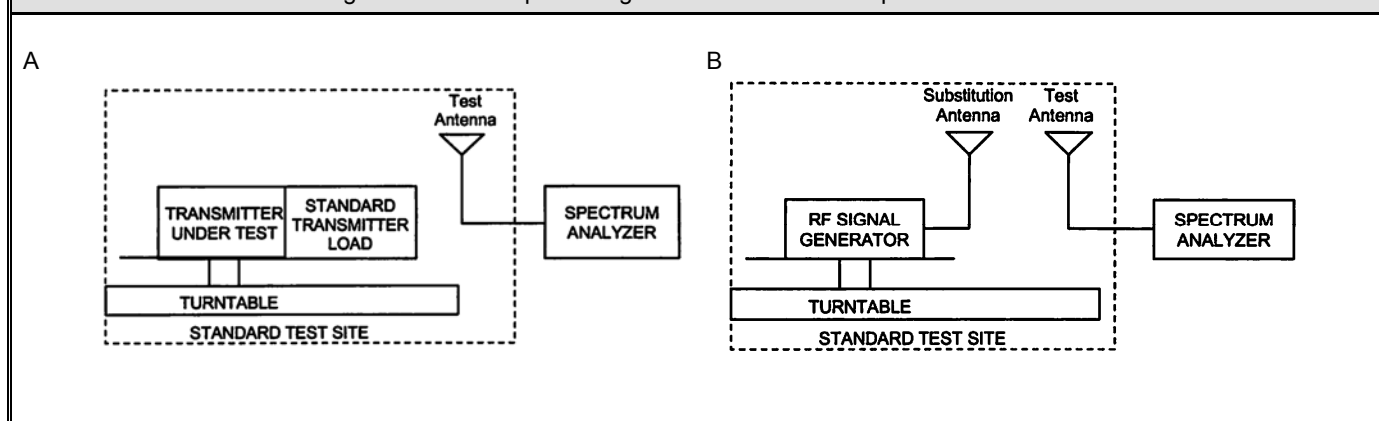
 Testing and Engineering Services Ltd	Test Report Serial No.:	240314AMW-T1290-E95D	Test Report Issue Date:	4/4/2014	 Test Lab Certificate No. 2470.01
	Measurement Date(s):	29/06/2013-1/07/2013	Test Report Revision No.:	1.0	
	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	

## F.5 MEASUREMENT EQUIPMENT SETUP

MEASUREMENT EQUIPMENT CONNECTIONS	For the field strength measurements, the measurement equipment was connected as shown in F.6. A number of antennas were used to cover the applicable frequency range tested. The ranges in which each antenna was used are as follows. For the final substitutions, the DUT was replaced with the appropriate antenna and fed from a CW signal source sufficient to replicate the received field strength of the emission being investigated.		
	Frequency Range	RX Antenna	TX Antenna
	9kHz – 30MHz	6502 Loop Ant	N/A
	30 MHz - 1GHz	Bilog	Dipole
MEASUREMENT EQUIPMENT SETTINGS	For measuring the radiated field strength of emissionsd, the spectrum analyzer was set to the following settings:		
	Range	RBW	VBW
		kHz	kHz
	9kHz – 30MHz	10	30
	30 MHz - 1GHz	100	300
	1 GHz - 18 GHz	1000	3000
Detector			
Peak			
Peak			
Peak			


## F.6 SETUP DRAWING



Figure F.6-1 - Setup Drawing – Detected Radiated Spurious Emissions



### Notes:

- The spectrum was searched from the lowest frequency generated in the device to the 10<sup>th</sup> harmonic of the fundamental.
- All detected emissions have been reported.
- The DUT was searched on all axis for worst case performance.
- Emissions performance was characterized using fresh DC cells, and also was characterized using the 12VDC adaptor.
- Worst case emissions are reported.

Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
DUT Type:	AM Portable CB Radio Transceiver.			Frequency Range:	26.965 - 27.405 MHz	
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	Measurement Date(s):	29/06/2013-1/07/2013	Test Report Revision No.:	1.0	
	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	



Test Lab Certificate No. 2470.01

## F.7 TEST RESULTS: COMPLIES

### Radiated Emissions: Signal Substitution (Fig. A&B)

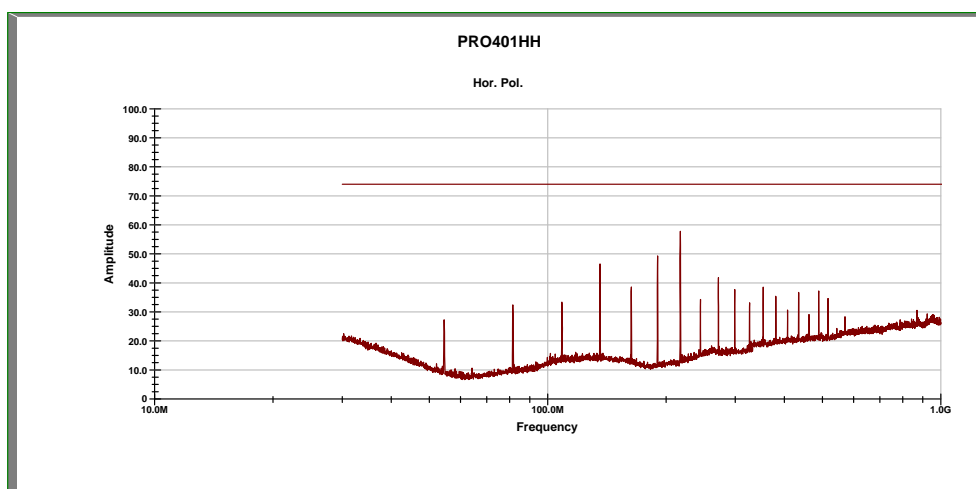
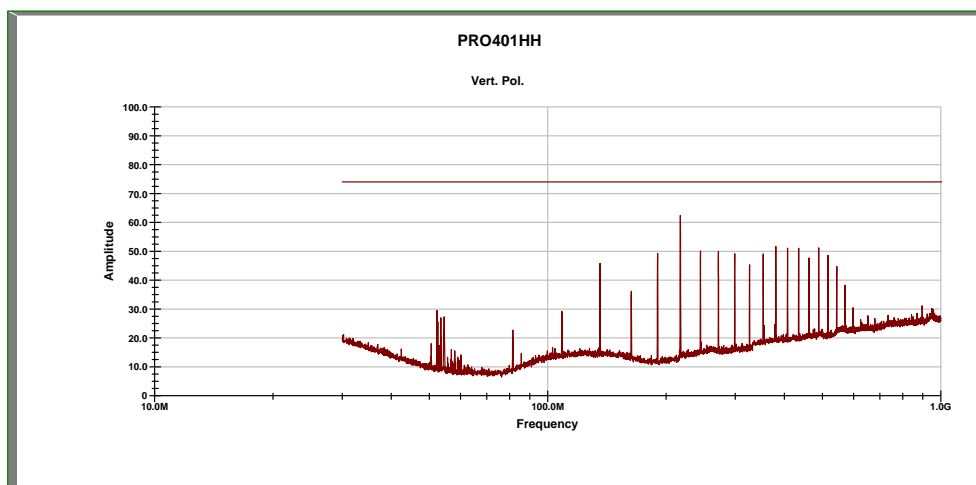
TX: 27.205 MHz	Ant. Polarity	Emission Level	Substitution Level	Antenna Gain	Amp Gain	Corrected Level	Limit	Margin
(MHz)		(dBuV)	(dB)	(+dBd)	(-dB)	(dBm)	(dBm)	(dB)
54.41	H	38.1	-77.0	-1.45	19.0	-97.45	-24.0	-73.45
81.6	H	43.4	-75.3	-0.05	19.0	-94.35	-24.0	-70.35
108.82	V	42.5	-52.5	-0.15	19.0	-71.65	-24.0	-47.65
136.025	H	56.2	-62.9	-0.55	19.0	-82.45	-24.0	-58.45
163.23	V	55.1	-40.0	-1.05	19.0	-60.05	-24.0	-36.05
190.435	V	66.6	-45.4	-0.95	19.0	-65.35	-24.0	-41.35
217.64	V	70.7	-45.8	-0.75	19.0	-65.55	-24.0	-41.55
244.845	V	59.8	-57.2	-0.25	19.0	-76.45	-24.0	-52.45
272.05	H	56.7	-57.1	-0.35	19.0	-76.45	-24.0	-52.45


Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
DUT Type:	AM Portable CB Radio Transceiver.			Frequency Range:	26.965 - 27.405 MHz	
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	Measurement Date(s):	29/06/2013-1/07/2013	Test Report Revision No.:	1.0	
	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	

Data from Chamber, Fig. A

Part 15B, Radiated Emissions plot using peak Detector  
PRO401HH

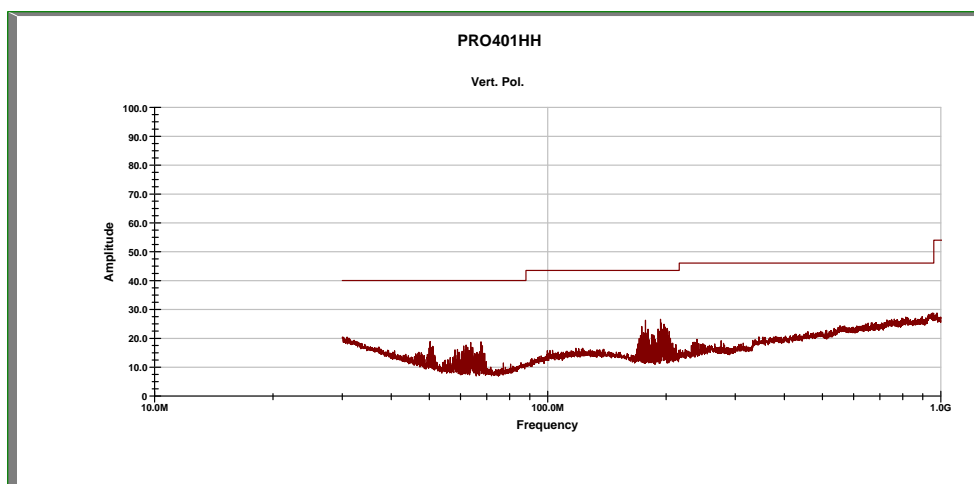
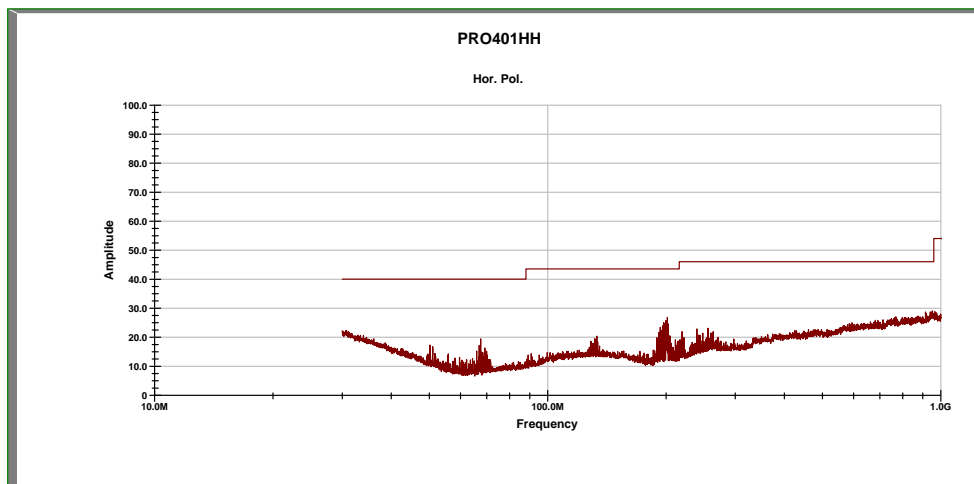


Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
DUT Type:	AM Portable CB Radio Transceiver.			Frequency Range:	26.965 - 27.405 MHz	
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	Measurement Date(s):	29/06/2013-1/07/2013	Test Report Revision No.:	1.0	
	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	

Data from Chamber, Fig. A

### Part 15B, Radiated Emissions Plots using Peak Detector (RX)



### F.8 SIGN-OFF


I attest to the accuracy of the data. All measurements reported herein were performed by me and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements.



Glen Westwell  
Lab Manager  
Celltech Labs Inc.



4/4/2014

Date

Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
DUT Type:	AM Portable CB Radio Transceiver.			Frequency Range:	26.965 - 27.405 MHz	
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	Measurement Date(s):	29/06/2013-1/07/2013	Test Report Revision No.:	1.0	
	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	

## Appendix G Frequency Stability

### G.1 REFERENCES

<b>Normative Reference Standard</b>	FCC CFR 47 §2.1055, §95.625, RSS-GEN
<b>Procedure Reference / Description</b>	The frequency stability shall be measured with variation of ambient temperature as follows: (1) From -30° to +50° centigrade.

### G.2 LIMITS

FCC §95.625	Each channel must be maintained within a frequency tolerance of 0.005%.
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### G.3 ENVIRONMENTAL CONDITIONS

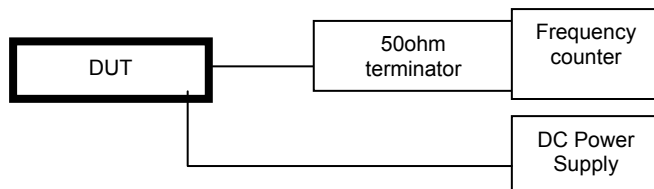
<b>Temperature</b>	25 +/- 5 °C
<b>Humidity</b>	40 +/- 10 %
<b>Barometric Pressure</b>	101 +/- 3 kPa


### G.4 EQUIPMENT LIST

ASSET NUMBER	MANUFACTURER	MODEL	DESCRIPTION	CAL DUE
na	ESPEC	ECT-2	Heater/Refrigerator	na
0003	HP	53181A	Frequency Counter	09-Apr-14
na	HP	E3611A	DC Power Supply	Cal on use
00234	VWR	61161-378	Temperature Humidity Monitor	10-Dec-14

### G.5 SETUP DRAWING

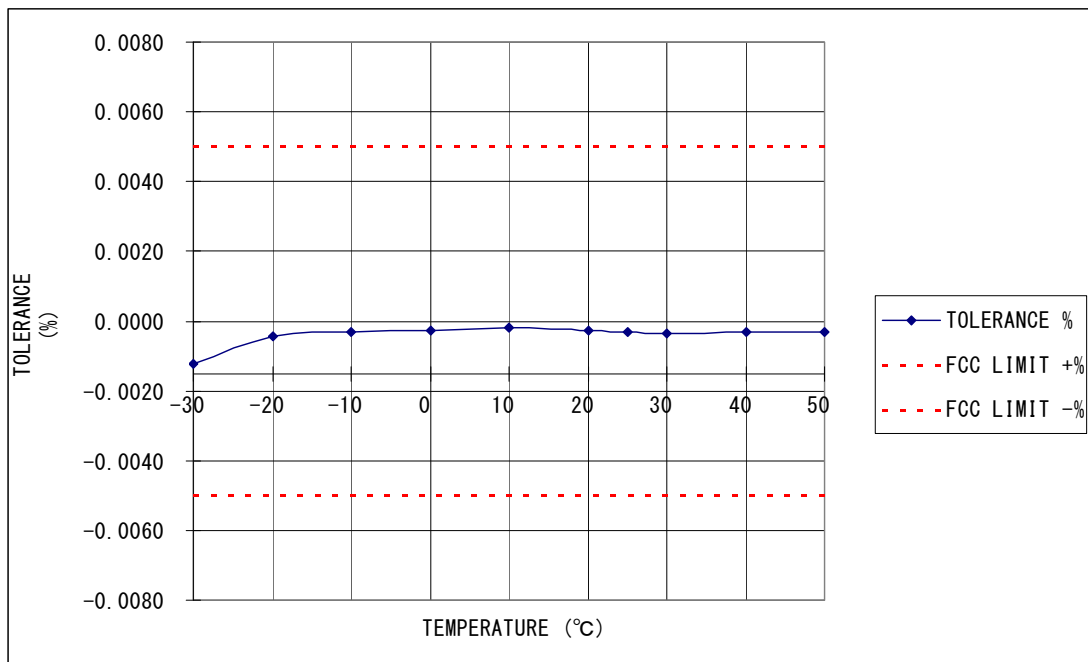
Figure G.5-1 - Setup Drawing – Frequency Stability



Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
DUT Type:	AM Portable CB Radio Transceiver.			Frequency Range:	26.965 - 27.405 MHz	
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## G.6 TEST RESULTS : COMPLIES

PRO401HH



Channel: 20			
Temperature (degrees C)	Assigned Frequency (MHz)	Measured Frequency (MHz)	Deviation (%)
-30	27.205 000	27. 204 669	-0.0012167
-20	27.205 000	27. 204 885	-0.0004227
-10	27.205 000	27. 204 914	-0.0003161
0	27.205 000	27. 204 931	-0.0002536
10	27.205 000	27. 204 951	-0.0001801
20	27.205 000	27. 204 922	-0.0002867
30	27.205 000	27. 204 906	-0.0003455
40	27.205 000	27. 204 910	-0.0003308
50	27.205 000	27. 204 916	-0.0003088

Remark: Pass/fail criteria for frequency tolerance is **0.005%**



Battery %	Assigned frequency (MHz)	Measured Frequency (MHz)	Deviation %
-15%	27.205 000	27 204 890	-0.0004043
0%	27.205 000	27 204 890	-0.0004043
15%	27.205 000	27 204 888	-0.0004117

## G.7 SIGN-OFF

I attest to the accuracy of the data. All measurements reported herein were performed by me and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements.




Glen Westwell  
Lab Manager



	Test Report Serial No.:	240314AMW-T1290-E95D	Test Report Issue Date:	4/4/2014	 Test Lab Certificate No. 2470.01
	Measurement Date(s):	29/06/2013-1/07/2013	Test Report Revision No.:	1.0	
	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	

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4/4/2014

Date


Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
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					Test Lab Certificate No. 2470.01

## Appendix H Device Photographs

### H.1 DUT PHOTOS - RADIATED EMISSIONS




Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
DUT Type:	AM Portable CB Radio Transceiver.			Frequency Range:	26.965 - 27.405 MHz	
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	Measurement Date(s):	29/06/2013-1/07/2013	Test Report Revision No.:	1.0	
	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	

Test Lab Certificate No. 2470.01

## H.2 DUT PHOTOS- RADIATED EMISSIONS




Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
DUT Type:	AM Portable CB Radio Transceiver.			Frequency Range:	26.965 - 27.405 MHz	
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	Measurement Date(s):	29/06/2013-1/07/2013	Test Report Revision No.:	1.0	
	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	

### H.3 DUT PHOTOS- RADIATED EMISSIONS




Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
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	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	


#### H.4 DUT PHOTOS - FREQUENCY STABILITY



Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
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	Measurement Date(s):	29/06/2013-1/07/2013	Test Report Revision No.:	1.0	
	Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site	

END OF DOCUMENT

Applicant:	Uniden America Corporation	FCC ID: Ind. Can.:	AMWUT401 513C-UT401	Model(s):	PRO401HH	
DUT Type:	AM Portable CB Radio Transceiver.			Frequency Range:	26.965 - 27.405 MHz	
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