

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,	Test Site Registration(s):	FCC Accredited Site



COMPLIANCE TEST RI	EPORT	FCC PART 95I RSS-236	D	EMC/RF MEASUREMENT REPORT				
Test Lab Information	Name	CELLTECH LABS INCO	RPORA	TED				
Test Lab Illiotiliation	Address	21-364 Lougheed Road, I	21-364 Lougheed Road, Kelowna, British Columbia V1X 7R8 Canada					
Test Lab Accreditation(s)	A2LA	ISO 17025:2005 (A2LA T	est Lab	Certificate No. 2470.01)				
Toot Site Pagintration No.	FCC	Accredited Site						
Test Site Registration No.	IC	3874A-1						
	Name	UNIDEN AMERICA COR	PORAT	ION				
Applicant Information	Address	6225 North State Highwa Irving, Texas 75038	y 161, S	uite 300				
Measurement Standard(s)	FCC Ind. Can.	47 CFR Part 95 Subpart I RSS-236	47 CFR Part 95 Subpart D					
& Procedure(s) Applied	ANSI	TIA/EIA-382-A	C63.4-2	2003				
Device Classification(s)	FCC/IC	C Licensed Non-Broadcast Station Transmitter (TNF)						
Device RF Exposure Category	FCC	Mobile 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- 25t	th Mar 2014						
Device Model(s)	PRO401HH							
Test Sample Serial No.(s)	TA Sample -	Identical Prototype						
Transmit Frequency Range(s)	26.965 - 27.4	05 MHz						
Channels	1-40							
Rated MAX. TX Power	4W (36dBm)							
Modulation Type(s)	AM							
Emission Designator(s)	6K00A3E							
Antenna	External Whi	p, -10 dBi.						
Power Source(s) Tested	12 VDC Batte	ery, DC Power Supply (13.8	3 V) / 9 x	: 1.5VDC cells (13.5VDC).				

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.

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.

The results and statements contained in this report pertain only to the device(s) evaluated.

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Test Report Approved By

Glen Westwell

4/4/2014

Celltech Labs Inc.

Applicant:	Unide	en America Corporation	FCC ID: Ind. Can.:		UT401 -UT401	Model(s):	PRO401HH	Uniden
DUT Type:		AM Portable CB Radio Transceiver. Frequ			Frequen	cy Range:	26.965 - 27.405 MHz	
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Applicant:	Unide	en America Corporation	FCC ID: Ind. Can.:		UT401 UT401	Model(s):	PRO401HH	Uniden°
DUT Type:		AM Portable CB Radio Transceiver. Frequency Rang				cy Range:	26.965 - 27.405 MHz	
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TEST SUMMARY							
	Referenced Standard(s):	FCC	FCC CFR Title 47 Parts 2, 95(D), 15(B)				
Appendix	Description of Test	Procedure Reference	Limit Reference	Date of compliance test verification	Result		
Α	Conducted Power	ANSI/TIA/EIA-382-A	§2.1033, 95 RSS-236	4/4/2014	Pass		
В	Modulation Limiting	ANSI/TIA/EIA-382-A	§2.1047, 95 RSS-236	4/4/2014	Pass		
С	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		
Е	Radiated TX Spurious Emissions	ANSI/TIA/EIA-382-A	§2.1053, 95 RSS-236	4/4/2014	Pass		
F	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:	Unide	en America Corporation	FCC ID: Ind. Can.:		UT401 ·UT401	Model(s):	PRO401HH	Uniden*
DUT Type:		AM Portable CB Radio Transceiver. Frequency Range:			cy Range:	26.965 - 27.405 MHz		
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REVISION LOG

Revision	rision Description		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:	Unide	en America Corporation	FCC ID: Ind. Can.:		UT401 ·UT401	Model(s):	PRO401HH	Uniden°
DUT Type:	: AM Portable CB Radio Transceiver.				Frequer	cy 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:	Unide	n America Corporation	FCC ID: Ind. Can.:	Ind. Can.: 513C-UT401		Model(s):	PRO401HH	Uniden*
DUT Type:	AM Portable CB Radio Transceiver. Freq			Frequer	cy Range:	26.965 - 27.405 MHz		
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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 F	Radio Transceiver.				
Device Model(s):	PRO401HH	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 - 27.4	05 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:	Unide	en America Corporation	Ind. Can.: 513C-01401		Model(s):	PRO401HH	Unideni
DUT Type:	AM Portable CB Radio Transceiver. Frequen			cy Range:	26.965 - 27.405 MHz		
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Appendix A RF Output Power Measurement

A.1 REFERENCES

Normative Reference Standard FCC CFR 47 §2.1046, §95D, RSS-236

A.2 LIMITS

§95.639 RSS-236, 5.2 4W (3

4W (36dBm).

A.3 ENVIRONMENTAL CONDITIONS					
Temperature	15 °C				
Humidity	40 +/- 10 %				
Barometric Pressure	101 +/- 3 kPa				

ASSET NUMBER	MANUFACTURER	MODEL	DESCRIPTION	CAL DUE
00110	Gigatronics	8652A	Power Meter	04-May-14
00248	Gigatronics	80334A	Power Sensor	04-May-14

Applicant:	Unide	en America Corporation	FCC ID: Ind. Can.:		UT401 UT401	Model(s):	PRO401HH	Uniden*
DUT Type:	AM Portable CB Radio Transceiver. Frequency I				cy Range:	26.965 - 27.405 MHz		
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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

M. Whiels

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:	Unide	en America Corporation			AMWUT401 513C-UT401 Model(s):		PRO401HH	Uniden*
DUT Type:		AM Portable CB Radio Transceiver.			Frequen	cy Range:	26.965 - 27.405 MHz	
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Appendix B Modulation Characteristics (Modulation Limiting)

ΙR			

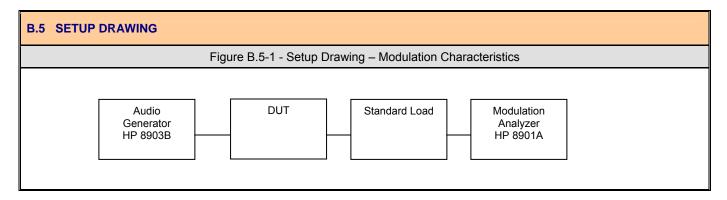
Normative Reference Standard FCC CFR 47 §2.1047, Part 95D, 95.637, RSS-236, 5.3.2

B.2 LIMITS

FCC §2.1047 Modulation can not exceed 100%

B.3 ENVIRONMENTAL CONDITIONS					
Temperature	15 +/- 5 °C				
Humidity	40 +/- 10 %				
Barometric Pressure	101 +/- 3 kPa				

B.4 EQUIPMENT LIST										
ASSET NUMBER	ASSET NUMBER MANUFACTURER MODEL		DESCRIPTION	CAL DUE						
00028	HP	8901A	Modulation Analyzer	21Jul14						
00027	HP	8903B	Audio Generator/Analyzer	21Jul14						

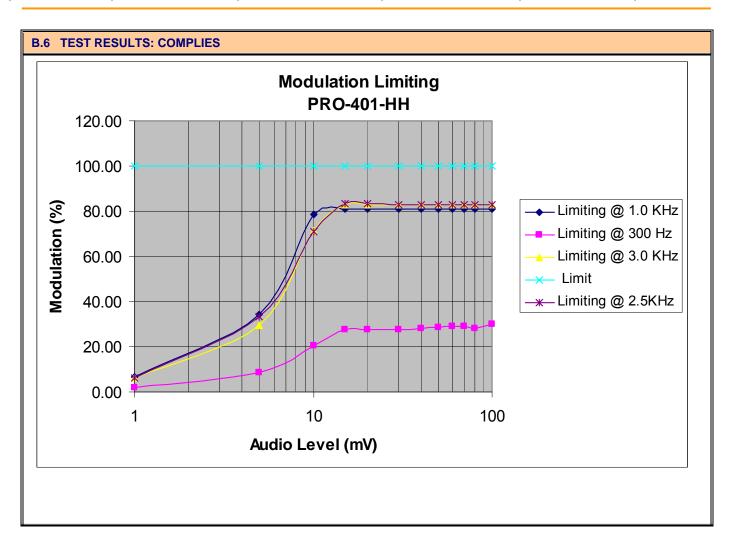


	Applicant:	Uniden America Corporation		FCC ID: Ind. Can.:			Model(s):	PRO401HH	Uniden°
	DUT Type:		AM Portable CB Radio Transceiver.			Frequen	cy Range:		
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Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registration(s):	FCC Accredited Site





B.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. 4/4/2014 Date

Applicant:	Uniden America Corporation		FCC ID: Ind. Can.:			Model(s):	PRO401HH	Uniden	
DUT Type:	AM Portable CB Radio Transceiver.			Frequer	cy Range:	26.965 - 27.405 MHz			
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Appendix C Modulation Characteristics (Audio Frequency Response & Low Pass Filter)

C.1					

Normative Reference Standard FCC CFR 47 §2.1047, TIA/EIA-382-A, Para 25.

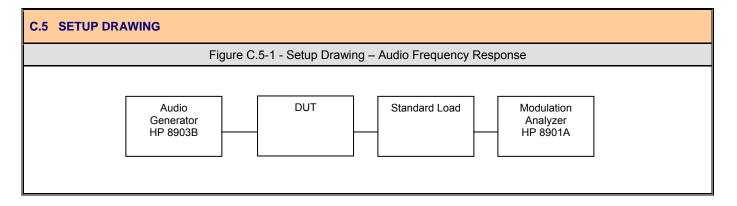
C.2 LIMITS

FCC §2.1047

a) Voice modulated communication equipment. A curve or equivalent data showing the frequency response of the audio modulating circuit over a range of 100 to 5000 Hz shall be submitted.

C.3 ENVIRONMENTAL CONDITIONS			
Temperature	25 +/- 5 °C		
Humidity	40 +/- 10 %		
Barometric Pressure	101 +/- 3 kPa		

C.4 EQUIPMENT LIST							
ASSET NUMBER	MANUFACTURER	MODEL	DESCRIPTION	CAL DUE			
00028	HP	8901A	Modulation Analyzer	21Jul14			
00027	HP	8903B	Audio Generator/Analyzer	21Jul14			

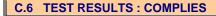


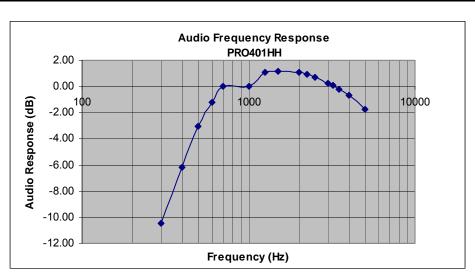
Applicant:	Uniden America Corporation		FCC ID: Ind. Can.:		UT401 UT401	Model(s):	PRO401HH	Uniden
DUT Type:		AM Portable CB Radio Transceiver.		Frequen	cy Range:	26.965 - 27.405 MHz		
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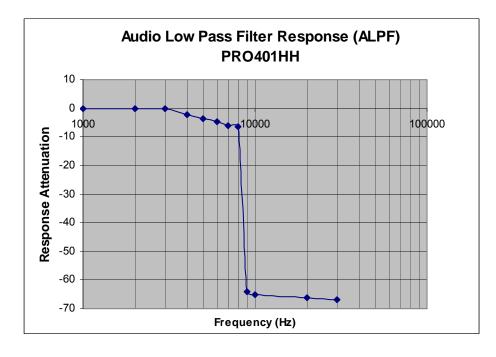


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C.7 SIGN-OFF

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.

D. Water

Glen Westwell Lab Manager

Celltech Labs Inc, 21 Mar 2014

Applicant:	Unide	en America Corporation			UT401 UT401	Model(s):	PRO401HH	Uniden
DUT Type:		AM Portable CB Radio T	Transceiver.		Frequen	cy Range:	26.965 - 27.405 MHz	
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Appendix D Occupied Bandwidth and Emission Mask

D.1 REFERENCES					
Normative Reference Standard	FCC CFR 47 §2.1049, §95.635, RSS-236, 5.4.4				
Procedure Reference / Description	Occupied bandwidth was performed by connecting the output of the DUT to the input of a spectrum analyzer. The unit was supplied a 2500Hz audio signal adjusted to 50% plus 16dB.				

D.2 LIMITS	
	At least 25 dB (decibels) on any frequency removed from the center of the authorized bandwidth by more than 50% up to and including 100% of the authorized bandwidth.
§95.635 RSS-236, 5.4.4	At least 35 dB on any frequency removed from the center of the authorized bandwidth by more than 100% up to and including 250% of the authorized bandwidth.
	At least 53 + 10 $\log_{10}(T)$ dB on any frequency removed from the center of the authorized bandwidth by more than 250%.

D.3 ENVIRONMENTAL CONDITIONS				
Temperature	10 °C			
Humidity	40 +/- 10 %			
Barometric Pressure	101 +/- 3 kPa			

D.4 EQUIPMENT LIST							
ASSET NUMBER	MANUFACTURER	MODEL	DESCRIPTION	CAL DUE			
00241	R&S	FSP40	Spectrum Analyzer	04/09/2015			
00027	HP	8903B	Audio Generator/Analyzer	21/07/2014			

D.5 SETUP DRAWING								
Figure D.5	5-1 - Setup Drawing -	- Occupied Bandwidth & E	Emission Mask					
Audio Generator HP 8903A	DUT	Standard Load	Spectrum Analyzer					

Applicant:	Unide	n America Corporation	FCC ID: Ind. Can.:		UT401 ·UT401	Model(s):	PRO401HH	Uniden°
DUT Type:		AM Portable CB Radio Transceiver.			Frequer	ncy Range:	26.965 - 27.405 MHz	
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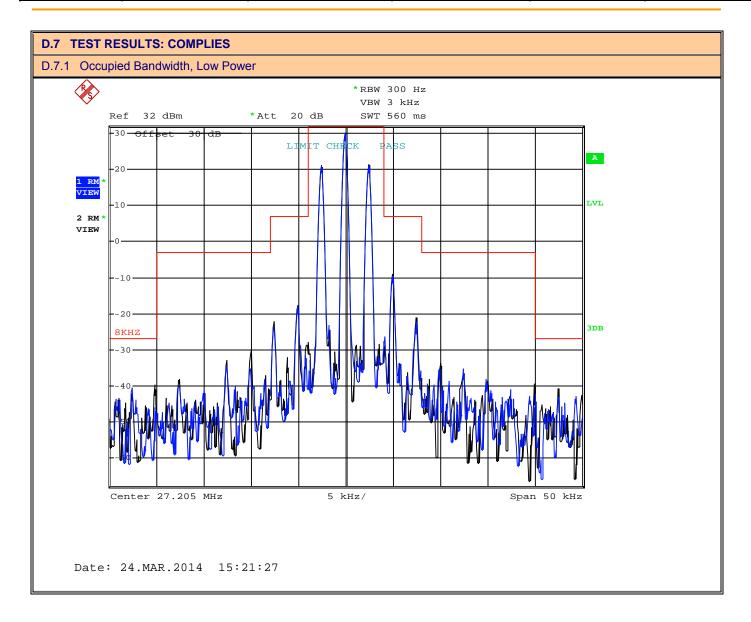
D.6 TEST RESULTS: COMPLIES D.6.1 Occupied Bandwidth, High Power *RBW 300 Hz VBW 3 kHz Ref 36 dBm *Att 20 dB SWT 560 ms Offset 30 dB A 20 LVL 2 RM VIEW 3DB Center 27.205 MHz 5 kHz/ Span 50 kHz Date: 24.MAR.2014 13:04:20

Applicant:	Unide	en America Corporation	FCC ID: Ind. Can.:		UT401 ·UT401	Model(s):	PRO401HH	Uniden
DUT Type:		AM Portable CB Radio Transceiver.			Frequen	cy Range:	26.965 - 27.405 MHz	
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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.

D. Water	
Glen Westwell Lab Manager Celltech Labs Inc.	
4/4/2014	Date

Applicant:	Unide	Uniden America Corporation FCC Ind. (UT401 UT401	Model(s):	PRO401HH	Uniden
DUT Type:		AM Portable CB Radio Transceiver. Fre			Frequen	cy Range:	26.965 - 27.405 MHz	
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FCC Accredited Site

Test Site Registration(s):



Appendix E Spurious Emissions at the Antenna Terminal

E.1			

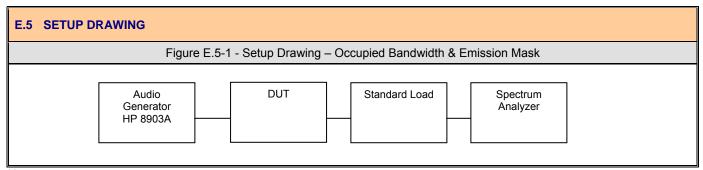
Normative Reference Standard FCC CFR 47 §2.1051, Part 95D,95.635; RSS-236, 5.4.4, RSS-GEN

E.2 LIMITS

Part 95D: 95.635 RSS-236: 5.4.4 53 + 10 Log (Po) = 59dBc, 60dBc ≥ 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		



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

Applicant:	Unide	en America Corporation	FCC ID: Ind. Can.:		UT401 UT401	Model(s):	PRO401HH	Uniden°
DUT Type:		AM Portable CB Radio Transceiver.			Frequen	cy Range:	26.965 - 27.405 MHz	
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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



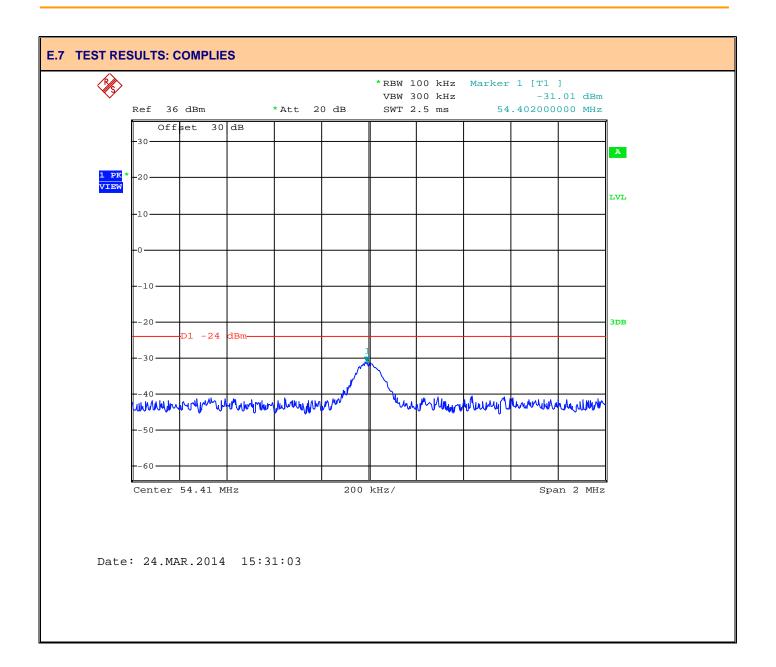
E.6 TEST RESULTS: COMPLIES *RBW 100 kHz Marker 3 [T1] VBW 300 kHz -34.26 dBm SWT 100 ms 436.005076000 MHz Ref 36 dBm *Att 20 dB Offset 30 dB Marker 1 [T1 54.008514000 MHz A Marker 2 [T1 1 PK VIEW -33.49 dBm 82.008262000 MHz LVL 3DB -50**-**Start 9 kHz 99.9991 MHz/ Stop 1 GHz Date: 24.MAR.2014 15:27:06

Applicant:	Unide	n America Corporation	FCC ID: Ind. Can.:		UT401 -UT401	Model(s):	PRO401HH	Unideni
DUT Type:		AM Portable CB Radio T	Radio Transceiver.		Frequency Range: 26.965 - 27.405 MHz			
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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





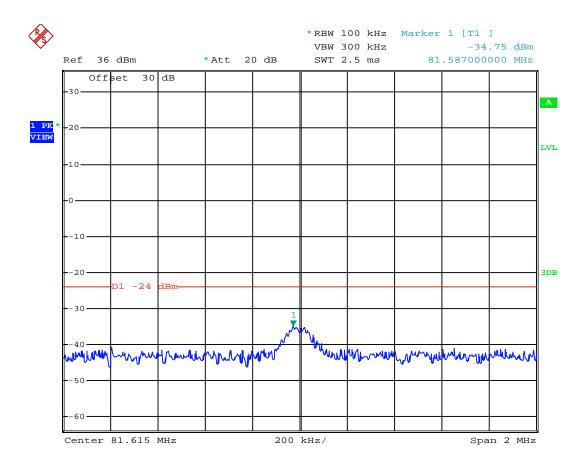
Applicant:	Unide	n America Corporation	FCC ID: Ind. Can.:		UT401 ·UT401	Model(s):	PRO401HH	Uniden°
DUT Type:		AM Portable CB Radio Transceiver.			Frequer	ncy Range:	26.965 - 27.405 MHz	
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Test Report Serial No.:	240314AMW-T1290-E95D	Test Report Issue 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,	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:	Unide	en America Corporation	FCC ID: AMWUT401 Model(s)		Model(s):	PRO401HH	Unideni	
DUT Type:		AM Portable CB Radio Transceiver.			Frequer	cy Range:	26.965 - 27.405 MHz	
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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,	Test Site Registration(s):	FCC Accredited Site



Appendix F Radiated Spurious Emissions

F.1 REFERENCES					
Normative Reference Standard	FCC CFR 47 §2.1053, §95.635, §15B: RSS-236, 5.4, RSS-GEN				
Procedure Reference	ANSI/TIA/EIA-382-A, ANSI C63.4				

F.2 LIMITS	
FCC §95.635 RSS-236, 5.4	At least 53 + 10 $\log_{10}(T)$ dB on any frequency removed from the center, 60 dB twice removed from fundamental.

F.3 ENVIRONMENTAL CONDITIONS					
Temperature	18 °C				
Humidity	40 +/- 10 %				
Barometric Pressure	101 +/- 3 kPa				

F.4 EQUIPMENT LIST							
ASSET NUMBER	MANUFACTURER	MODEL	DESCRIPTION	CAL DUE			
00072	EMCO	2075	Mini-mast	cnr			
00073	EMCO	2080	Turn Table	cnr			
00071	EMCO	2090	Multi-Device Controller	cnr			
00241	R&S	FSU40	Spectrum Analyzer	04-Sep-15			
00050	Chase	CBL-6111A	Bilog Antenna	03-May-15			
00055	EMCO	3121C	Dipole Antenna	27-Aug-14			
00051	HP	8566B	Spectrum Analyzer RF Section	03-May-14			
00049	HP	85650A	Quasi-peak Adapter	06-May-14			
00047	HP	85685A	RF Preselector	05-May-14			
00006	R&S	SMR 20	Signal Generator (10MHz-40GHz)	30-Apr-14			
00239	Mini-Ccts	ZFL-1000VH	Amplifier 10MHz-1GHz	Cal on use			
00007	Gigatronics	8652A	Power Meter	04-May-14			
00014	Gigatronics	80701A	Power Sensor	04-May-14			

cnr = calibration not required

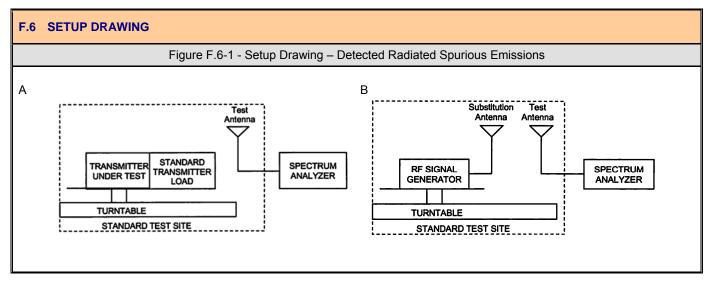
Applicant:	Unide	en America Corporation	FCC ID: Ind. Can.:		UT401 ·UT401	Model(s):	PRO401HH	Uniden°
DUT Type:		AM Portable CB Radio Transceiver.		Frequen	cy Range:	26.965 - 27.405 MHz		
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Measurement Date(s):	29/06/2013-1/07/2013	Test Report Revision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



F.5 MEASUREM	ENT EQUIPMENT SETUP							
MEASUREMENT EQUIPMENT	and the first an							
CONNECTIONS	Frequency I	RX Antenna	TX Antenna					
	9kHz – 30	MHz	6502 Loop Ant	N/A				
	30 MHz - 1	1GHz	Bilog	Dipole				
	For measuring the radiated fie settings:	eld strength of emissionsd	, the spectrum analyzer w	as set to the following				
MEASUREMENT	Range	RBW	VBW	Detector				
EQUIPMENT	range	kHz	kHz	Detector				
SETTINGS	9kHz – 30MHz	10	30	Peak				
	30 MHz - 1GHz	100	300	Peak				
	1 GHz - 18 GHz	1000	3000	Peak				



Notes:

- The spectrum was searched from the lowest frequency generated in the device to the 10th 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:	Unide	en America Corporation	FCC ID: AMWUT401 Ind. Can.: 513C-UT401		Model(s): PRO401HH		Unideni	
DUT Type:		AM Portable CB Radio Transceiver.			Frequer	cy Range:	26.965 - 27.405 MHz	
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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,	Test Site Registration(s):	FCC Accredited Site



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	Н	38.1	-77.0	-1.45	19.0	-97.45	-24.0	-73.45
81.6	Н	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	Н	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	Н	56.7	-57.1	-0.35	19.0	-76.45	-24.0	-52.45

Applicant:	Unide	en America Corporation	FCC ID: Ind. Can.:		UT401 -UT401	Model(s):	PRO401HH	Uniden*
DUT Type:		AM Portable CB Radio Transceiver.		Frequer	cy Range:	26.965 - 27.405 MHz		
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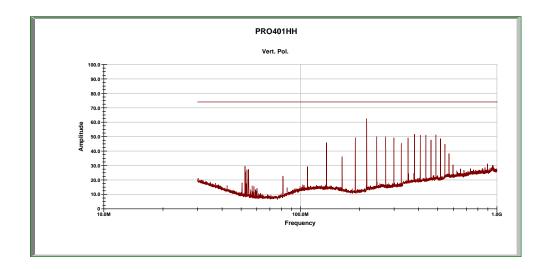


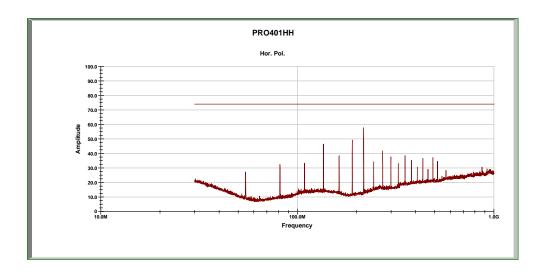
Test Report Serial No.:	240314AMW-T1290-E95D	Test Report Issue Date:	4/4/2014
Measurement Date(s):	29/06/2013-1/07/2013	Test Report Revision No.:	1.0
Rule Part(s) Applied:	FCC 47 CFR §2, §95D,	Test Site Registration(s):	FCC Accredited Site



Data from Chamber, Fig. A

Part 15B, Radiated Emissions plot using peak Detector PRO401HH



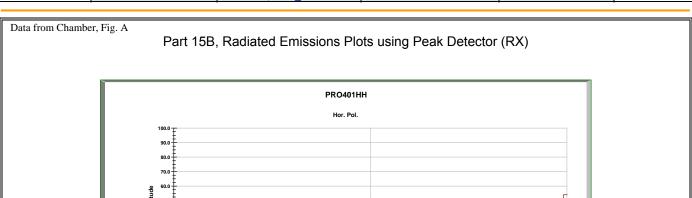


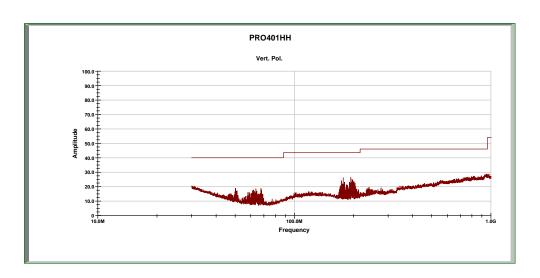
Applicant:	Unide	n America Corporation	FCC ID: AMWUT401 Ind. Can.: 513C-UT401		Model(s):	PRO401HH	Uniden*
DUT Type:	AM Portable CB Radio Transceiver.			Frequer	cy Range:	26.965 - 27.405 MHz	
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Measurement Date(s):	29/06/2013-1/07/2013	Test Report Revision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







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:	Unide	en America Corporation			MWUT401 13C-UT401 Model(s):		PRO401HH	Uniden'
DUT Type:	AM Portable CB Radio Transceiver.			Frequen	cy 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



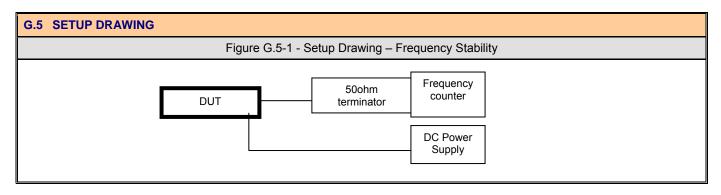
Appendix G Frequency Stability

G.1 REFERENCES				
Normative Reference Standard	FCC CFR 47 §2.1055, §95.625, RSS-GEN			
Procedure Reference / Description	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%.

G.3 ENVIRONMENTAL CONDITIONS					
Temperature 25 +/- 5 °C					
Humidity	40 +/- 10 %				
Barometric Pressure	101 +/- 3 kPa				

G.4 EQUIPMENT LIST								
ASSET NUMBER	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				



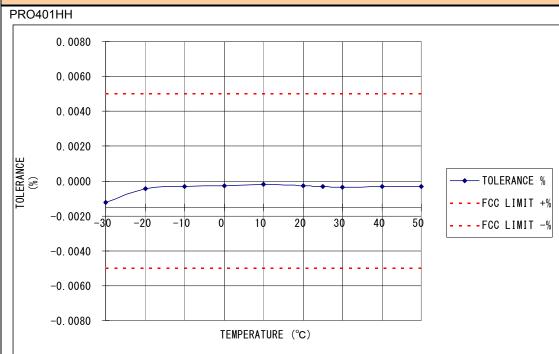
Applicant:	Unide	n America Corporation			UT401 ·UT401	Model(s):	PRO401HH	Uniden*
DUT Type:	AM Portable CB Radio Transceiver.			Frequen	cy Range:	26.965 - 27.405 MHz		
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Measurement Date(s):	29/06/2013-1/07/2013	Test Report Revision No.:	1.0
Rule Part(s)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



G.6 TEST RESULTS: COMPLIES



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.

D. Water

Glen Westwell Lab Manager

Applicant:	Unide	en America Corporation			UT401 ·UT401	Model(s):	PRO401HH	Uniden'
DUT Type:		AM Portable CB Radio Transceiver.			Frequen	cy 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,	Test Site Registration(s):	FCC Accredited Site



Celltech Labs Inc. 4/4/2014 Date	
4/4/2014	Date

Applicant:	Unide	en America Corporation	FCC ID: AMWUT401 Ind. Can.: 513C-UT401		Model(s):	PRO401HH	Uniden*	
DUT Type:		AM Portable CB Radio Transceiver.			Frequer	cy Range:	26.965 - 27.405 MHz	
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Test Report Serial No.:	240314AMW-T1290-E95D
Measurement Date(s):	29/06/2013-1/07/2013
Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN



Appendix H Device Photographs



Applicant:	Unide	en America Corporation	FCC ID: AMWUT401 Ind. Can.: 513C-UT401		Model(s):	PRO401HH	Uniden*	
DUT Type:		AM Portable CB Radio Transceiver.			Frequer	ncy Range:	26.965 - 27.405 MHz	
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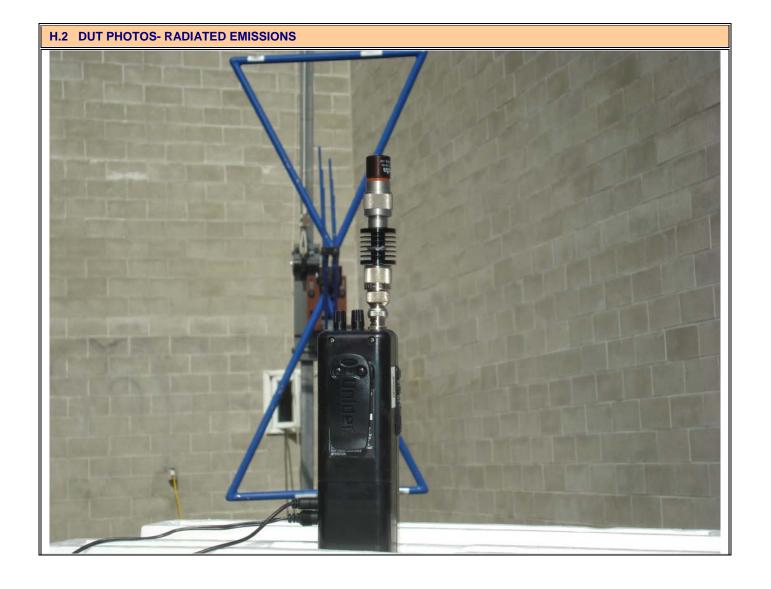
Test Report Serial No.:	240314AMW-T1290-E95D	Test Report Issue [
Measurement Date(s):	29/06/2013-1/07/2013	Test Report Revision
Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN	Test Site Registrati

 Date:
 4/4/2014

 ion No.:
 1.0

 tion(s):
 FCC Accredited Site





Applicant:	Unide	en America Corporation	FCC ID: AMWUT Ind. Can.: 513C-UT			Model(s):	PRO401HH	Uniden°
DUT Type:		AM Portable CB Radio Transceiver.		Frequen	cy Range:	26.965 - 27.405 MHz		
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Test Report Serial No.:	240314AMW-T1290-E95D
Measurement Date(s):	29/06/2013-1/07/2013
Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN





Applicant:	Unide	en America Corporation	FCC ID: AMWUT Ind. Can.: 513C-UT			Model(s):	PRO401HH	Uniden*
DUT Type:		AM Portable CB Radio Transceiver.		Frequen	cy Range:	26.965 - 27.405 MHz		
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Test Report Serial No.:	240314AMW-T1290-E95D
Measurement Date(s):	29/06/2013-1/07/2013
Rule Part(s) Applied:	FCC 47 CFR §2, §95D, RSS-236, RSS_GEN



H.4 DUT PHOTOS - FREQUENCY STABILITY

Applicant:	Unide	en America Corporation	FCC ID: AMWUT40 Ind. Can.: 513C-UT4			Model(s):	PRO401HH	Uniden
DUT Type:		AM Portable CB Radio T	Frequer Frequer		cy 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,	Test Site Registration(s):	FCC Accredited Site



END OF DOCUMENT

Applicant:	Unide	en America Corporation			UT401 ·UT401	Model(s):	PRO401HH	Uniden
DUT Type:		AM Portable CB Radio T	ransceiver. Frequency		cy Range:	26.965 - 27.405 MHz		
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