

Company: Aruba Networks, Inc.

Test of: Aruba Networks, Inc. APIN0224, APIN0225  
To: FCC CFR 47 Part 15 Subpart E 15.407

Report No.: ARUB206-U19\_DFS Rev B

**DFS TEST REPORT**



# DFS TEST REPORT

FROM



Test of: Aruba Networks, Inc. APIN0224, APIN0225

to

To: FCC CFR 47 Part 15 Subpart E 15.407

Test Report Serial No.: ARUB206-U19\_DFS Rev B

This report supersedes: NONE

Applicant: Aruba Networks, Inc.  
1344 Crossman Ave.  
Sunnyvale, California 94089  
USA

Product Function: Transmission of voice and data

Issue Date: 27<sup>th</sup> May 2016

## **This Test Report is Issued Under the Authority of:**

**MiCOM Labs, Inc.**  
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Pleasanton California 94566  
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**MiCOM Labs is an ISO 17025 Accredited Testing Laboratory**



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## 1. ACCREDITATION, LISTINGS & RECOGNITION

### 1.1. Test Accreditation

MiCOM Labs, Inc. is an accredited Electrical testing laboratory per the international standard ISO/IEC 17025:2005. The company is accredited by the American Association for Laboratory Accreditation (A2LA) [www.a2la.org](http://www.a2la.org) test laboratory number 2381.01. MiCOM Labs test schedule is available at the following URL; <http://www.a2la.org/scopepdf/2381-01.pdf>



### Accredited Laboratory

A2LA has accredited

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Pleasanton, CA

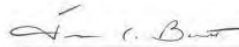
for technical competence in the field of

**Electrical Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).



Presented this 4<sup>th</sup> day of February 2016.



Senior Director of Quality & Communications  
For the Accreditation Council  
Certificate Number 2381.01  
Valid to November 30, 2017

*For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.*



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**To:** FCC CFR 47 Part 15 Subpart E 15.407  
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## 1.2. Recognition

MiCOM Labs, Inc. has widely recognized wireless testing capabilities. Our international recognition includes Conformity Assessment Body designation by APEC MRA countries. MiCOM Labs test reports are accepted globally.

Country	Recognition Body	Status	Phase	Identification No.
USA	Federal Communications Commission (FCC)	TCB	-	US0159 Listing #: 102167
Canada	Industry Canada (IC)	FCB	APEC MRA 2	US0159 Listing #: 4143A-2 4143A-3
Japan	MIC (Ministry of Internal Affairs and Communication)	CAB	APEC MRA 2	RCB 210
	VCCI	--	--	A-0012
Europe	European Commission	NB	EU MRA	NB 2280
Australia	Australian Communications and Media Authority (ACMA)	CAB	APEC MRA 1	US0159
Hong Kong	Office of the Telecommunication Authority (OFTA)	CAB	APEC MRA 1	
Korea	Ministry of Information and Communication Radio Research Laboratory (RRL)	CAB	APEC MRA 1	
Singapore	Infocomm Development Authority (IDA)	CAB	APEC MRA 1	
Taiwan	National Communications Commission (NCC) Bureau of Standards, Metrology and Inspection (BSMI)	CAB	APEC MRA 1	
Vietnam	Ministry of Communication (MIC)	CAB	APEC MRA 1	

EU MRA – European Union Mutual Recognition Agreement.

NB – Notified Body

APEC MRA – Asia Pacific Economic Community Mutual Recognition Agreement. Recognition agreement under which test lab is accredited to regulatory standards of the APEC member countries.

Phase I - recognition for product testing

Phase II – recognition for both product testing and certification

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### 1.3. Product Certification

MiCOM Labs, Inc. is an accredited Product Certification Body per the international standard ISO/IEC 17065:2012. The company is accredited by the American Association for Laboratory Accreditation (A2LA) [www.a2la.org](http://www.a2la.org) test laboratory number 2381.02. MiCOM Labs test schedule is available at the following URL; <http://www.a2la.org/scopepdf/2381-02.pdf>



The certificate features a central title "Accredited Product Certification Body" in blue. Above it are the logos for IAF (International Accreditation Forum) and A2LA (American Association for Laboratory Accreditation). Below the title, it states "A2LA has accredited MICOM LABS, Pleasanton, CA". A paragraph of text explains the accreditation according to ISO/IEC 17065:2012. To the left is a yellow circular seal with "A2LA" and "SEAL OF APPROVAL" text. To the right is a signature and the name "Senior Director of Quality & Communications" along with certificate details: "Certificate Number 2381.02, Valid to November 30, 2017". At the bottom, a note refers to the organization's Product Certification Scope of Accreditation.

United States of America – Telecommunication Certification Body (TCB)  
Industry Canada – Certification Body, CAB Identifier – US0159  
Europe – Notified Body (NB), NB Identifier - 2280  
Japan – Recognized Certification Body (RCB), RCB Identifier - 210



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## 2. DOCUMENT HISTORY

Document History		
Revision	Date	Comments
Draft	6 <sup>th</sup> May 2016	
Rev A	7 <sup>th</sup> May 2016	Initial Release
Rev B	27 <sup>th</sup> May 2016	Modified Section 9.1.5 Detection Bandwidth

In the above table the latest report revision will replace all earlier versions.

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### 3. TEST RESULT CERTIFICATE

<b>Manufacturer:</b> Aruba Networks, Inc. 1344 Crossman Ave. Sunnyvale California 94089 USA	<b>Tested By:</b> MiCOM Labs, Inc. 575 Boulder Court Pleasanton California 94566 USA
<b>Model:</b> APIN0224, APIN0225	<b>Telephone:</b> +1 925 462 0304 <b>Fax:</b> +1 925 462 0306
<b>Equipment Type:</b> Wireless Access Point	
<b>S/N's:</b> BX0000695	
<b>Test Date(s):</b> 3 <sup>rd</sup> – 5 <sup>th</sup> May 2016	<b>Website:</b> www.micomlabs.com

STANDARD(S)	TEST RESULTS
FCC CFR 47 Part 15 Subpart E 15.407 (Limited to DFS Testing)	EQUIPMENT COMPLIES

MiCOM Labs, Inc. tested the equipment mentioned in accordance with the requirements set forth in the above standards. Test results indicate that the equipment tested is capable of demonstrating compliance with the requirements as documented within this report.

**Notes:**

1. This document reports conditions under which testing was conducted and the results of testing performed.
2. Details of test methods used have been recorded and kept on file by the laboratory.
3. Test results apply only to the item(s) tested.



**Approved & Released for MiCOM Labs, Inc. by:**

\_\_\_\_\_  
 Graeme Grieve  
 Quality Manager MiCOM Labs, Inc.

\_\_\_\_\_  
 Gordon Hurst  
 President & CEO MiCOM Labs, Inc.

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## 4. REFERENCES AND MEASUREMENT UNCERTAINTY

### 4.1. Normative References

REF.	PUBLICATION	YEAR	TITLE
I	KDB 662911	Oct 31 2013	Guidance for measurement of output emission of devices that employ single transmitter with multiple outputs or systems with multiple transmitters operating simultaneously in the same frequency band
II	KDB 905462 D02 v02	April 8, 2016	Test guidance to demonstrate compliance for U-NII devices subject to DFS requirements.
III	KDB 926956 D01 v1r06	April 8, 2016	U-NII Device Transition Plan
IV	KDB 789033 D02 v01r02	April 8, 2016	General UNII Test Procedures New Rules
V	A2LA	February 2016	R105 - Requirement's When Making Reference to A2LA Accreditation Status
VI	ANSI C63.10	2013	American National Standard for Testing Unlicensed Wireless Devices
VII	ANSI C63.4	2014	American National Standards for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
VIII	CISPR 22	2010 contents are correct i.e. 0224, 0225	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement
IX	ETSI TR 100 028	2001-12	Parts 1 and 2 Electromagnetic compatibility and Radio Spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics
X	FCC 06-96	Jun 3 2006	Memorandum Opinion and Order
XI	FCC 47 CFR Part 15.407	2014	Radio Frequency Devices; Subpart E –Unlicensed National Information Infrastructure Devices
XII	KDB 644545 D03 v01	August 14th 2014	Guidance for IEEE 802.11ac New Rules
XIII	FCC 47 CFR Part 2.1033	2014	FCC requirements and rules regarding photographs and test setup diagrams.
XIV	M 3003	Edition 3 Nov. 2012	Expression of Uncertainty and Confidence in Measurements

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#### **4.2. Test and Uncertainty Procedure**

Conducted and radiated emission measurements were conducted in accordance with American National Standards Institute ANSI C63.4, listed in the Normative References section of this report.

Measurement uncertainty figures are calculated in accordance with ETSI TR 100 028 Parts 1 and 2.

Measurement uncertainties stated are based on a standard uncertainty multiplied by a coverage factor  $k = 2$ , providing a level of confidence of approximately 95 % in accordance with UKAS document M 3003 listed in the Normative References section of this report.

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## 5. PRODUCT DETAILS AND TEST CONFIGURATIONS

### 5.1. Technical Details

Details	Description
Purpose:	Test of the Aruba Networks, Inc APIN0224, APIN0225 to FCC CFR 47 Part 15 Subpart E 15.407. Radio Frequency Devices; Subpart E –Unlicensed National Information Infrastructure Devices
Applicant:	Aruba Networks, Inc 1344 Crossman Ave. Sunnyvale California 94089 USA
Manufacturer:	As Applicant
Laboratory performing the tests:	MiCOM Labs, Inc. 575 Boulder Court Pleasanton California 94566 USA
Test report reference number:	ARUB206-U19_DFS
Date EUT received:	14 <sup>th</sup> April 2016
Standard(s) applied:	FCC CFR 47 Part 15 Subpart E 15.407
Dates of test (from - to):	3 <sup>rd</sup> – 5 <sup>th</sup> May 2016
No of Units Tested:	1
Type of Equipment:	Wireless Access Point
Product Family Name:	Wireless Access Point
Model(s):	APIN0224, APIN0225
Location for use:	Indoor
Declared Frequency Range(s):	5250 - 5350 MHz; 5470 - 5725 MHz;
Primary function of equipment:	Transmission of voice and data
Secondary function of equipment:	None provided
Type of Modulation:	OFDM
EUT Modes of Operation:	20, 40, 80 MHz
Declared Nominal Output Power (Ave):	+28 dBm
Transmit/Receive Operation:	Transceiver - Half Duplex
Rated Input Voltage and Current:	POE (POE adaptor sold with unit) 48Vdc
Operating Temperature Range:	Declared Range -20°C to 40°C
Equipment Dimensions:	203mm x 203mm x 65mm / 8.0"x8.0"x2.6" (WxDxH)
Weight:	750 g / 27 oz
Hardware Rev:	6.3.0.0
Software Rev:	6.3.1.0, Build # 40232

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## **5.2. Scope Of Test Program**

### **Aruba Networks, Inc. APIN0224, APIN0225**

The scope of the test program was to test the Aruba Networks, Inc. APIN0224 and APIN0225, 802.11a/b/g/n/ac Wireless Access Point 3x3 Spatial Multiplexing MIMO configurations in the frequency ranges 5250 - 5350 MHz and 5470 - 5725 MHz for compliance against the following specification:

### **FCC CFR 47 Part 15 Subpart E 15.407**

Radio Frequency Devices; Subpart E –Unlicensed National Information Infrastructure Devices

Compliance was to the FCC new rules for;

- a).. increased power in the 5150 – 5250 MHz band
- b).. introduction of the 5725 – 5850 MHz band into UNII band regulations, and
- c).. add additional channel(s) straddling the 5725 MHz band-edge frequency
- d).. DFS testing for the new radar signatures

### **Test Suite**

To prove compliance with the FCC's new rules the following tests were completed;

- i).. Full Conducted Testing
- ii).. Full Radiated Testing on all antenna's (Radiated Spurious Emissions and Radiated Band-Edge)
- iii).. Full DFS testing for the new signatures + spot-checking existing legacy signatures

### **Model Identification**

APIN0224: External Antenna (Reverse SMA)

APIN0225: Integral

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**Aruba Networks, Inc APIN0224, APIN0225**



Top View



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### 5.3. Equipment Model(s) and Serial Number(s)

Type	Description	Manufacturer	Model	Serial no.	Delivery Date
EUT	802.11a/b/g/n/ac Wireless Access Point	Aruba Networks	APIN022	BX0000695	14 <sup>th</sup> April 2016

### 5.4. Antenna Details

Type	Manufacturer	Model	Family	Gain (dBi)	BF Gain	Dir BW	X-Pol	Frequency Band (MHz)
external	Aruba Networks	AP-ANT-13B	OMNI	3.3	-	360	-	5250 – 5350 5470 - 5725
external	Aruba Networks	AP-ANT-1B	OMNI	5.8	-	360	-	5250 – 5350 5470 - 5725
external	Aruba Networks	AP-ANT-16	OMNI	4.7	-	360	-	5250 – 5350 5470 - 5725
external	Aruba Networks	AP-ANT-17	Directional 120 deg	5.0	-	360	-	5250 – 5350 5470 - 5725
external	Aruba Networks	AP-ANT-18	Directional 60 deg	7.5	-	360	-	5250 – 5350 5470 - 5725
external	Aruba Networks	AP-ANT-19	OMNI	6.0	-	360	-	5250 – 5350 5470 - 5725
integral	Aruba Networks	Metal Sheet	OMNI	4.5	-	360	-	5250 – 5350 5470 - 5725

BF Gain - Beamforming Gain  
Dir BW - Directional BeamWidth  
X-Pol - Cross Polarization

### 5.5. Cabling and I/O Ports

Port Type	Max Cable Length	# Of Ports	Screened	Conn Type	Data Type
Ethernet	100m	2	N	RJ-45	Packet Data
RS232	100m	1	N	RJ-45	Digital
dc Jack		1	N	Jack	

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### **5.6. Test Configurations**

Results for the following configurations are provided in this report:

Operational Mode(s) (802.11a/b/g/n/ac)	Data Rate with Highest Power MBit/s	Channel Frequency (MHz)		
		Low	Mid	High
<b>5470 - 5725 MHz</b>				
802.11a	6	5,500.00	--	--
802.11ac-80	29.3	5,530.00	--	--
802.11n HT-40	13.5	5,510.00	--	--

### **5.7. Equipment Modifications**

The following modifications were required to bring the equipment into compliance:

1. NONE

### **5.8. Deviations from the Test Standard**

The following deviations from the test standard were required in order to complete the test program:

1. NONE



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## 6. TEST SUMMARY

### List of Measurements

Test Header	Result	Data Link
(h)(2) Dynamic Frequency Selection (DFS)	Complies	-
(ii) Channel Availability Check	Complies	-
(a) Initial CAC	Complies	<a href="#">View Result</a>
(b) Beginning CAC	Complies	<a href="#">View Result</a>
(c) End CAC	Complies	<a href="#">View Result</a>
(iii) Channel Close / Transmission Time	Complies	<a href="#">View Result</a>
(iv) Non-Occupancy Period	Complies	<a href="#">View Result</a>
Probability of Detection	Complies	<a href="#">View Result</a>
Detection Bandwidth	Complies	<a href="#">View Result</a>

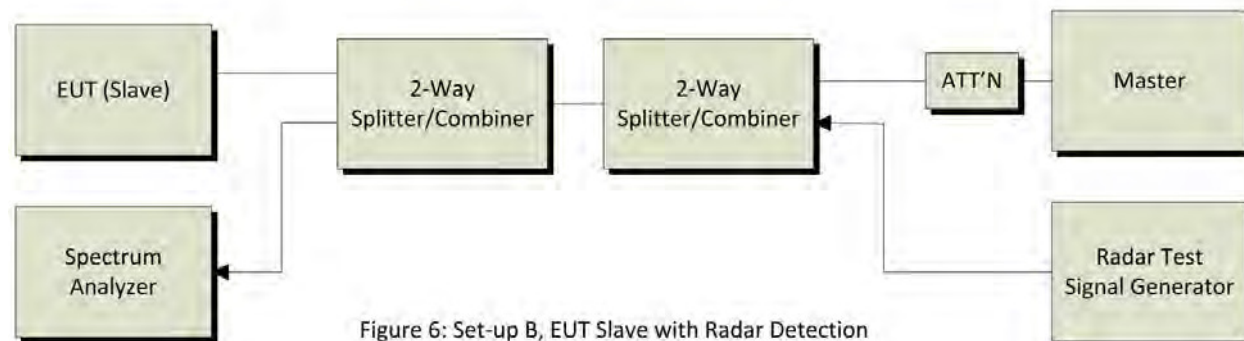
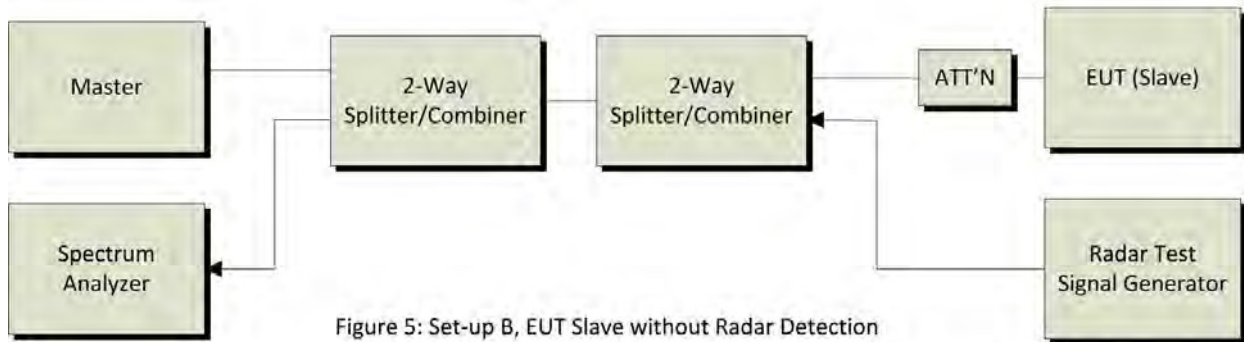
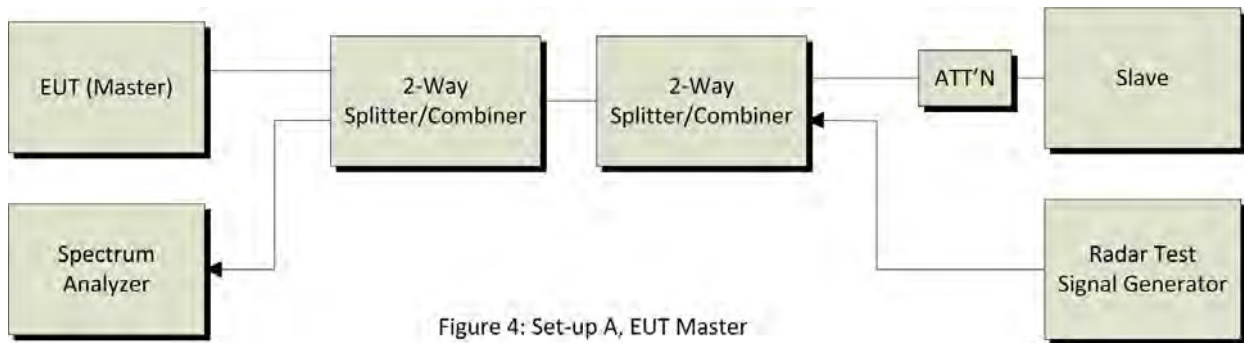
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## 7. TEST EQUIPMENT CONFIGURATION(S)

### 7.1. DFS - Conducted



A full system calibration was performed on the test station and any resulting system losses (or gains) were taken into account in the production of all final measurement data.



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Asset#	Description	Manufacturer	Model#	Serial#	Calibration Due Date
158	Barometer/Thermometer	Control Company	4196	E2846	01 Dec 2016
193	Receiver 20 Hz to 7 GHz	Rhode & Schwarz	ESI 7	838496/007	17 May 2016
299	Test Software DFS Test System	Aeroflex	DFS test Software	V2.7.0	Not Required
359	DFS System	Aeroflex	PXI-1042	300001/004	18 Jun 2016
417	Laptop for DFS with DFS software	Lenova	W520	DFS	Not Required
418	PCI-e interface card	National Instruments	Express 8360	174AAC5	Not Required
422	Splitter/Combiner	Pasternack	PE 2031	001	Cal when used
71	Spectrum Analyser 9KHz-50GHz	HP	8565E	3425A00181	06 Aug 2016
DFS PCIe#1	PCIe cable for Aeroflex	National Instruments	PCIe cable	None	Not Required
DFS SMA#1	SMA Cable for DFS	Megaphase	SMA Cable	None	Cal when used
DFS SMA#2	SMA Cable for DFS	Megaphase	SMA Cable	None	Cal when used
DFS SMA#3	SMA Cable for DFS	Megaphase	SMA Cable	None	Cal when used
DFS SMA#4	SMA Cable for DFS	Megaphase	SMA Cable	None	Cal when used

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## 8. TEST METHODOLOGY

### 8.1. Dynamic Frequency Selection (DFS) Overview

A U-NII network will employ a DFS function to detect signals from radar systems and to avoid co-channel operation with these systems. This applies to the 5250-5350 MHz and/or 5470-5725 MHz bands. Within the context of the operation of the DFS function, a U-NII device will operate in either Master Mode or Client Mode. U-NII devices operating in Client Mode can only operate in a network controlled by a U-NII device operating in Master Mode. The following tables summarize the requirements.

Requirement	Master Device or Client with Radar Detection	Client without Radar Detection
	Operational Mode	
DFS Detection Threshold	Yes	Not Required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not Required

Additional requirements for devices with multiple bandwidth modes	Master Device or Client with Radar Detection	Client without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required

**NOTE:** Frequencies selected for statistical performance check should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.



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The operational behavior and individual DFS requirements associated with these modes are as follows:

#### **8.1.1. Master Devices**

- a) The Master Device will use DFS in order to detect Radar Waveforms with received signal strength above the DFS Detection Threshold in the 5250 – 5350 MHz and 5470 – 5725 MHz bands. DFS is not required in the 5150 – 5250 MHz or 5725 – 5850 MHz bands.
- b) Before initiating a network on a Channel, the Master Device will perform a Channel Availability Check for a specified time duration (Channel Availability Check Time) to ensure that there is no radar system operating on the Channel, using DFS described under subsection a) above.
- c) The Master Device initiates a U-NII network by transmitting control signals that will enable other U-NII devices to Associate with the Master Device.
- d) During normal operation, the Master Device will monitor the Channel (In-Service Monitoring) to ensure that there is no radar system operating on the Channel, using DFS described under a).
- e) If the Master Device has detected a Radar Waveform during In-Service Monitoring as described under d), the Operating Channel of the U-NII network is no longer an Available Channel. The Master Device will instruct all associated Client Device(s) to stop transmitting on this Channel within the Channel Move Time. The transmissions during the Channel Move Time will be limited to the Channel Closing Transmission Time.
- f) Once the Master Device has detected a Radar Waveform it will not utilize the Channel for the duration of the Non-Occupancy Period.
- g) If the Master Device delegates the In-Service Monitoring to a Client Device, then the combination will be tested to the requirements described under d) through f) above.

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### **8.1.2. Client Devices**

- a) A Client Device will not transmit before having received appropriate control signals from a Master Device.
- b) A Client Device will stop all its transmissions whenever instructed by a Master Device to which it is associated and will meet the Channel Move Time and Channel Closing Transmission Time requirements. The Client Device will not resume any transmissions until it has again received control signals from a Master Device.
- c) If a Client Device is performing In-Service Monitoring and detects a Radar Waveform above the DFS Detection Threshold, it will inform the Master Device. This is equivalent to the Master Device detecting the Radar Waveform and d) through f) of section 5.1.1 apply.
- d) Irrespective of Client Device or Master Device detection the Channel Move Time and Channel Closing Transmission Time requirements remain the same.
- e) The client test frequency must be monitored to ensure no transmission of any type has occurred for 30 minutes. Note: If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shutdown (rather than moving channels), no beacons should appear.

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## 8.2. DFS Detection Thresholds

The table below provides the DFS Detection Thresholds for Master Devices as well as Client Devices incorporating In-Service Monitoring.

### DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Maximum Transmit Power	Value (see Notes 1, 2 and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP $\leq$ 200 milliwatt and power density $\leq$ 10 dBm/MHz	-62 dBm
EIRP $\leq$ 200 milliwatt that do not meet the power spectral density requirement	-64 dBm

**NOTE 1:** This is the level at the input of the receiver assuming a 0 dBi receive antenna

**NOTE 2:** Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

**NOTE 3:** EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.



### 8.3. Response Requirements

The following table provides the response requirements for Master and Client Devices incorporating DFS.

#### DFS Response Requirement Values

Parameter	Value
Non-Occupancy Period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds, see NOTE 1
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period, see NOTES 1 and 2
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth, see NOTE 3

**NOTE 1:** Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

**NOTE 2:** The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

**NOTE 3:** During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.



## 8.4. Radar Test Waveforms

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

### 8.4.1. Short Radar Pulses

#### Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μS)	PRI (μS)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a	Roundup $\left\{ \begin{array}{l} \left( \frac{1}{360} \right) \cdot \\ \left( \frac{19 \cdot 10^6}{PRI_{\mu sec}} \right) \end{array} \right\}$	60%	30
		Test B: 15 unique PRI values randomly selected in the range 518-3066 μS, with a minimum increment of 1 μS, excluding PRI values selected in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120

Note 1: Short Radar Pulse Type 0 should be used for the Detection Bandwidth test, Channel Move Time and Channel Closing Time tests

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B.





### 8.4.2. Long Radar Pulse Test

#### Long Pulse Radar Test Waveforms

Radar Type	Pulse Width (µsec)	Chirp Width (MHz)	PRI (µsec)	Number of Pulses per Burst	Number of Bursts	Minimum Percentage of Successful Detection	Minimum Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

The parameters for this waveform are randomly chosen. Thirty unique waveforms are required for the Long Pulse radar test signal. If more than 30 waveforms are used for the Long Pulse radar test signal, then each additional waveform must also be unique and not repeated from the previous waveforms.

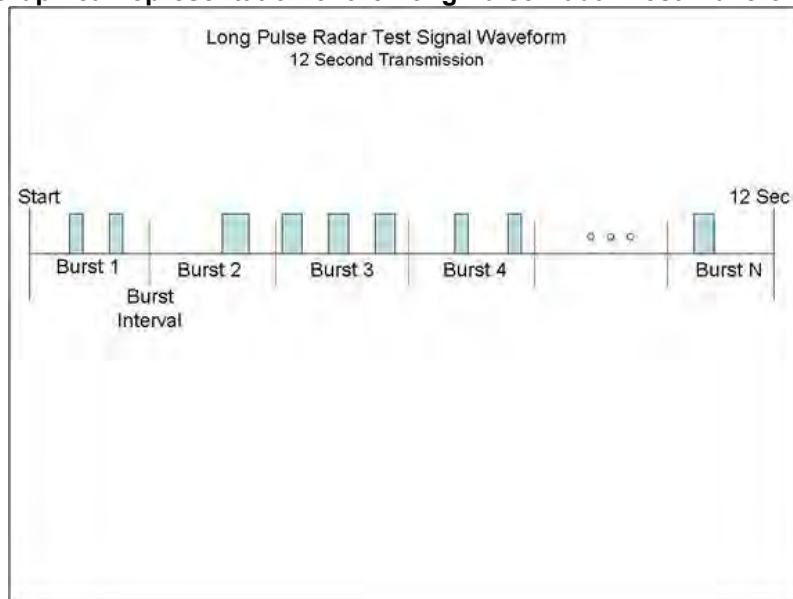
Each waveform is defined as follows:

1. The transmission period for the Long Pulse Radar test signal is 12 seconds.
2. There are a total of 8 to 20 Bursts in the 12 second period, with the number of Bursts being randomly chosen. This number is Burst Count.
3. Each Burst consists of 1 to 3 pulses, with the number of pulses being randomly chosen. Each Burst within the 12 second sequence may have a different number of pulses.
4. The pulse width is between 50 and 100 microseconds, with the pulse width being randomly chosen. Each pulse within a Burst will have the same pulse width. Pulses in different Bursts may have different pulse widths.
5. Each pulse has a linear frequency modulated chirp between 5 and 20 MHz, with the chirp width being randomly chosen. Each pulse within a transmission period will have the same chirp width. The chirp is centered on the pulse. For example, with a radar frequency of 5300 MHz and a 20 MHz chirped signal, the chirp starts at 5290 MHz and ends at 5310 MHz.
6. If more than one pulse is present in a Burst, the time between the pulses will be between 1000 and 2000 microseconds, with the time being randomly chosen. If three pulses are present in a Burst, the time between the first and second pulses is chosen independently of the time between the second and third pulses.
7. The 12 second transmission period is divided into even intervals. The number of intervals is equal to Burst\_Count. Each interval is of length  $(12,000,000 / \text{Burst\_Count})$  microseconds. Each interval contains one Burst. The start time for the Burst, relative to the beginning of the interval, is between 1 and  $[(12,000,000 / \text{Burst\_Count}) - (\text{Total Burst Length}) + (\text{One Random PRI Interval})]$  microseconds, with the start time being randomly chosen. The step interval for the start time is 1 microsecond. The start time for each Burst is chosen independently.

**A representative example of a Long Pulse radar test waveform:**

1. The total test signal length is 12 seconds.
2. 8 Bursts are randomly generated for the Burst\_Count
3. Burst 1 has 2 randomly generated pulses.
4. The pulse width (for both pulses) is randomly selected to be 75 microseconds.
5. The PRI is randomly selected to be at 1213 microseconds.
6. Bursts 2 through 8 are generated using steps 3 – 5.
7. Each Burst is contained in even intervals of 1,500,000 microseconds. The starting location for Pulse 1, Burst 1 is randomly generated (1 to 1,500,000 minus the total Burst 1 length + 1 random PRI interval) at the 325,001 microsecond step. Bursts 2 through 8 randomly fall in successive 1,500,000 microsecond intervals (i.e. Burst 2 falls in the 1,500,001 – 3,000,000 microsecond range).

**Graphical representation of the Long Pulse Radar Test Waveform.**



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### 8.4.3. Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Trials
6	1	333	9	.333	300	70%	30

For the Frequency Hopping Radar Type, the same Burst parameters are used for each waveform. The hopping sequence is different for each waveform and a 100-length segment is selected from the hopping sequence defined by the following algorithm:

The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250 – 5724 MHz. Next, the frequency that was just chosen is removed from the group and a frequency is randomly selected from the remaining 474 frequencies in the group. This process continues until all 475 frequencies are chosen for the set. For selection of a random frequency, the frequencies remaining within the group are always treated as equally likely.



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## **8.5. Radar Waveform Calibration**

The following equipment setup was used to calibrate the Radar Waveform. A spectrum analyzer was used to establish the test signal level for each radar type. During this process there were no transmissions by either the Master or Client Device. The spectrum analyzer was switched to the zero span (Time Domain) mode at the frequency of the Radar Waveform generator. Peak detection was utilized. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3 MHz.

The signal generator amplitude was set so that the power level measured at the spectrum analyzer was equal to the DFS detection threshold +1dB (Ref Section 9.2).

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## **8.6. Test Program Details**

**EUT Type:** Master with radar detection

**Frequency band(s):** 5,250 - 5,350 MHz and 5,470 – 5,725 MHz

**Uniform Loading:** For the above frequency band(s) the manufacturer declared that the device provides an aggregate uniform loading of the spectrum across all devices by selecting an operating channel among the available channels using a random algorithm.

**Test Environment:** Conducted

**Antenna Gain used for Testing:** 6.0 dBi

[Repeat for each different data rate]

**802.11a:** Transmit Power: 15 dBm Data Rate: 6 Mbit/s Duty Cycle: 20%

**802.11n HT-40:** Transmit Power: 15 dBm Data Rate: 18 Mbit/s Duty Cycle: 20%

**802.11ac-80:** Transmit Power: 15 dBm Data Rate: 29 Mbit/s Duty Cycle: 20%

**Number of Antenna Chains:** 3

### **Test Communication Throughput Methodology**

The requisite MPEG video file ("TestFile.mpg" available on the NTIA website at the following link <http://ntiacsd.ntia.doc.gov/dfs/>) is used during this video stream.

**EUT Software Version:** 6.3.1.0

**EUT Build number:** 40232

### **Test Environmental Conditions - Ambient:**

Temperature: 17 to 23 °C

Relative humidity: 31 to 57%

Pressure: 999 to 1012 mbar

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## **9. TEST RESULTS**

### **9.1. Dynamic Frequency Selection (DFS)**

#### **9.1.1. Channel Availability Check**

##### **9.1.1.1. Initial CAC**

This test verifies that the EUT does not emit pulse, control, or data signals on the test Channel until the power-up sequence has been completed and the U-NII device checks for Radar Waveforms for one minute on the test Channel. This test does not use any Radar Waveforms.

The EUT is instructed to power up at the appropriate center frequency. The spectrum analyzer is set on zero span with a 1 MHz resolution bandwidth and 260 second sweep time to monitor the RF output of the EUT during power up. The analyzer's sweep will be started the same time power is applied to the U-NII device.

The EUT should not transmit any pulse or data transmissions until at least 1 minute after the completion of the power-on cycle.

The first red vertical line shown on the following plot denotes the instant when the EUT starts its power-up sequence i.e. T<sub>0</sub> (as defined within the FCC's KDB 905462 D02 Section 4.1). The power-up reference T<sub>0</sub> is determined by the time it takes for the EUT to start "beaconing" i.e. initial beacon – 60 secs = end of power-up.

The Channel Availability Check Time commences at instant T<sub>0</sub> and will end no sooner than T<sub>0</sub> + 60 seconds. T<sub>0</sub> + 60 is indicated on the plot by the second vertical line.

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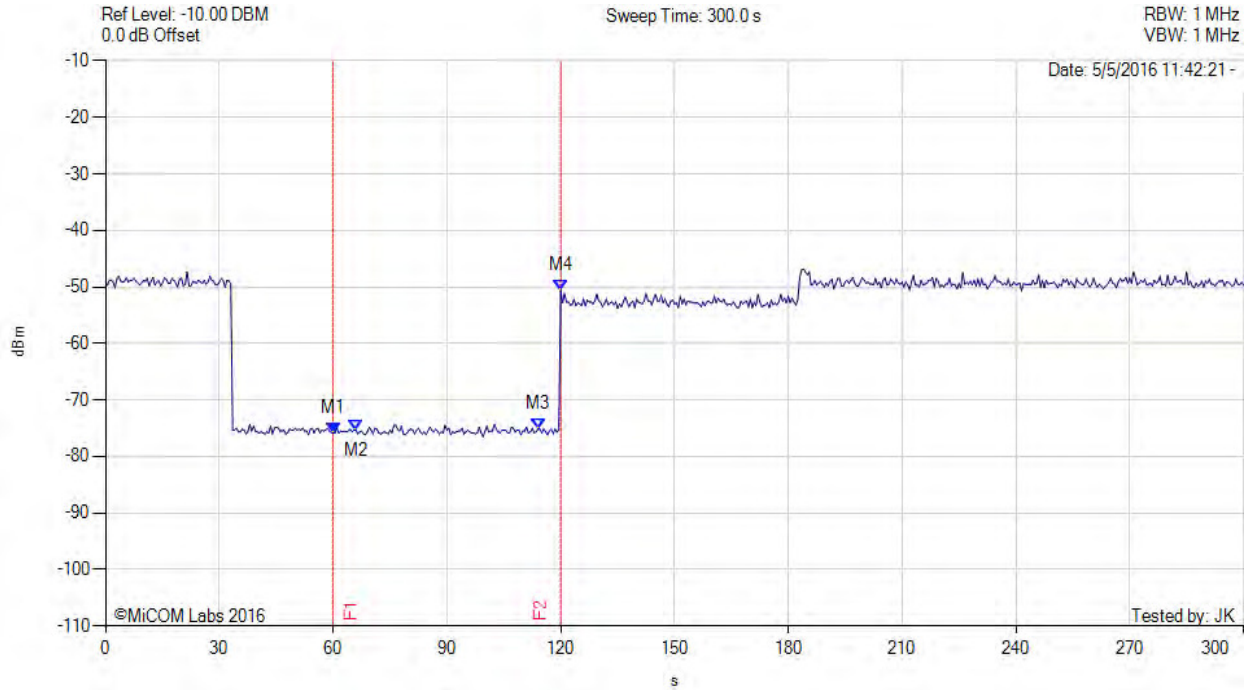


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INITIAL CAC



Variant: 802.11a, Channel: 5500.00 MHz, Data Rate: 6 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 6.0 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5500.00 MHz) : 60.000 s : -75.830 dBm M2(5500.00 MHz) : 66.000 s : -75.330 dBm M3(5500.00 MHz) : 114.000 s : -75.160 dBm M4(5500.00 MHz) : 120.000 s : -50.660 dBm	Channel Frequency: 5500.00 MHz

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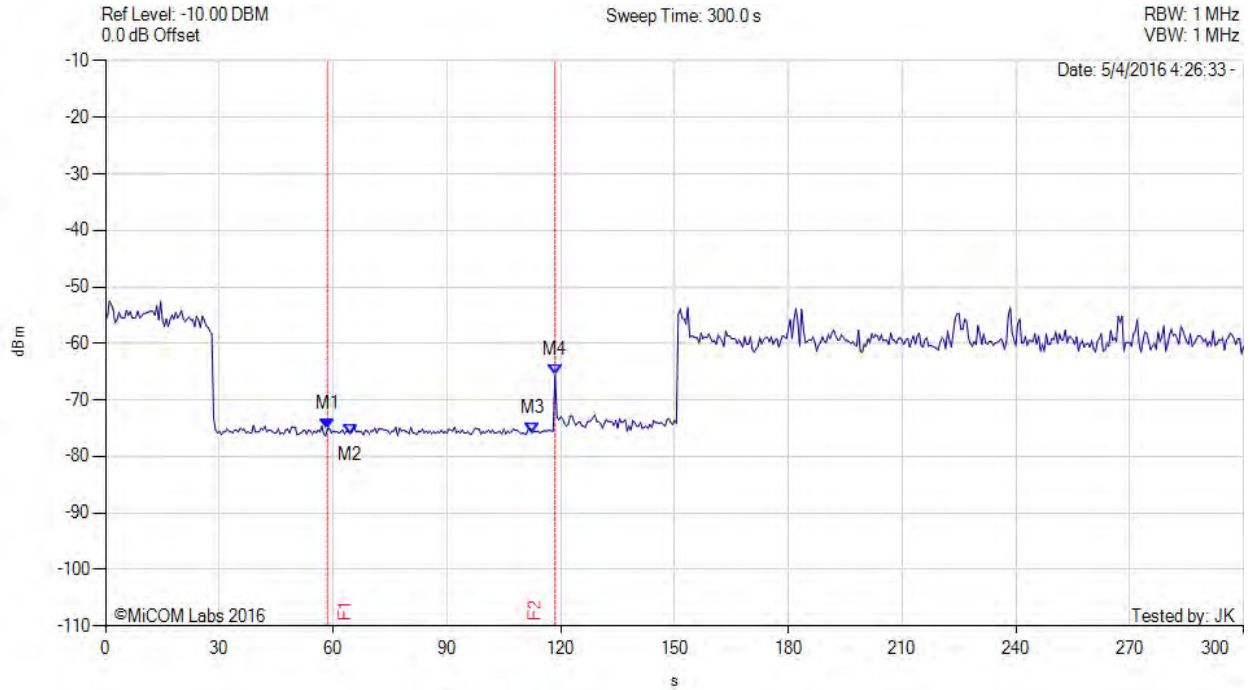


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INITIAL CAC



Variant: 802.11ac 80, Channel: 5530.00 MHz, Data Rate: 28 Mbit/s, Duty Cycle : 27.00%, Antenna Gain: 6.0 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5530.00 MHz) : 58.500 s : -75.160 dBm M2(5530.00 MHz) : 64.500 s : -76.000 dBm M3(5530.00 MHz) : 112.500 s : -75.830 dBm M4(5530.00 MHz) : 118.500 s : -65.660 dBm	Channel Frequency: 5530.00 MHz

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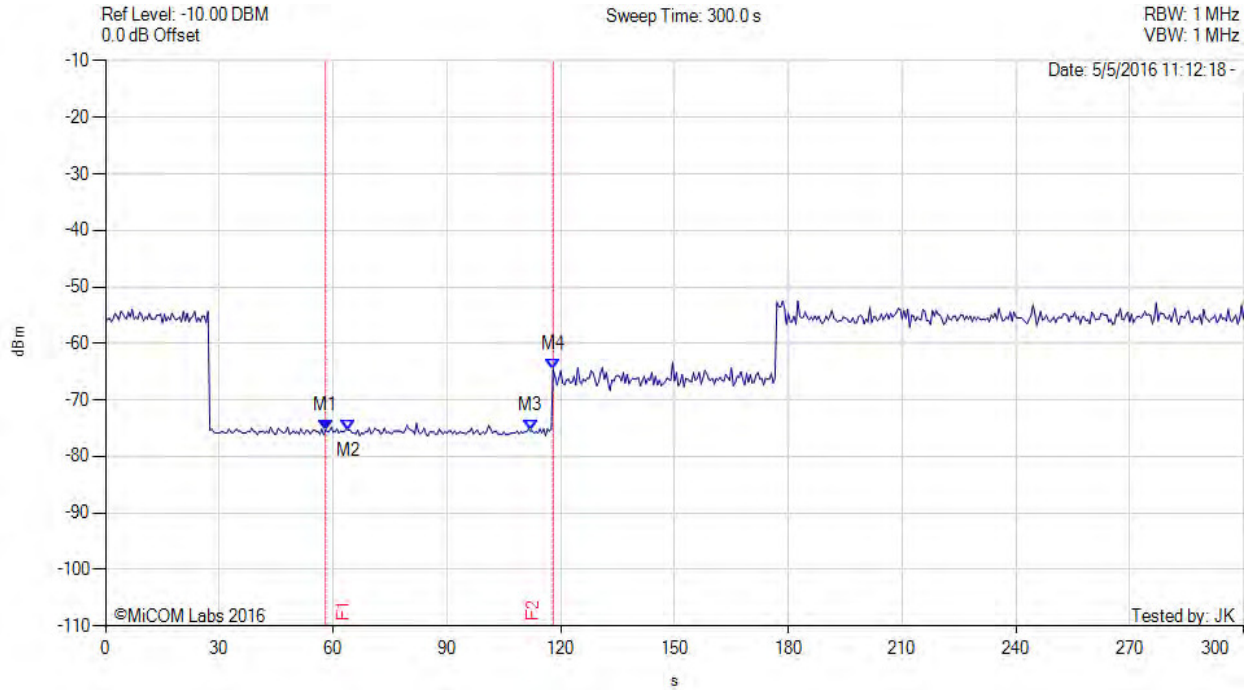


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INITIAL CAC



Variant: 802.11n HT40, Channel: 5510.00 MHz, Data Rate: 18 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 6.0 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5510.00 MHz) : 58.000 s : -75.330 dBm M2(5510.00 MHz) : 64.000 s : -75.330 dBm M3(5510.00 MHz) : 112.000 s : -75.500 dBm M4(5510.00 MHz) : 118.000 s : -64.660 dBm	Channel Frequency: 5510.00 MHz

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### **9.1.1.2. Beginning CAC**

The steps below define the procedure to verify successful radar detection on the selected Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold +1dB (Ref Section 9.2) occurs at the beginning of the Channel Availability Check Time.

A single Burst of short pulse of radar Type 1 will commence within a 6 second window starting at T0 (first red vertical marker line on the plot).

Visual indication on the EUT of successful detection of the radar Burst is recorded and reported. Observation of emissions at the appropriate center frequency will continue for 2.5 minutes after the radar burst has been generated.

T0 + 60 is indicated on the plot by the second vertical line.

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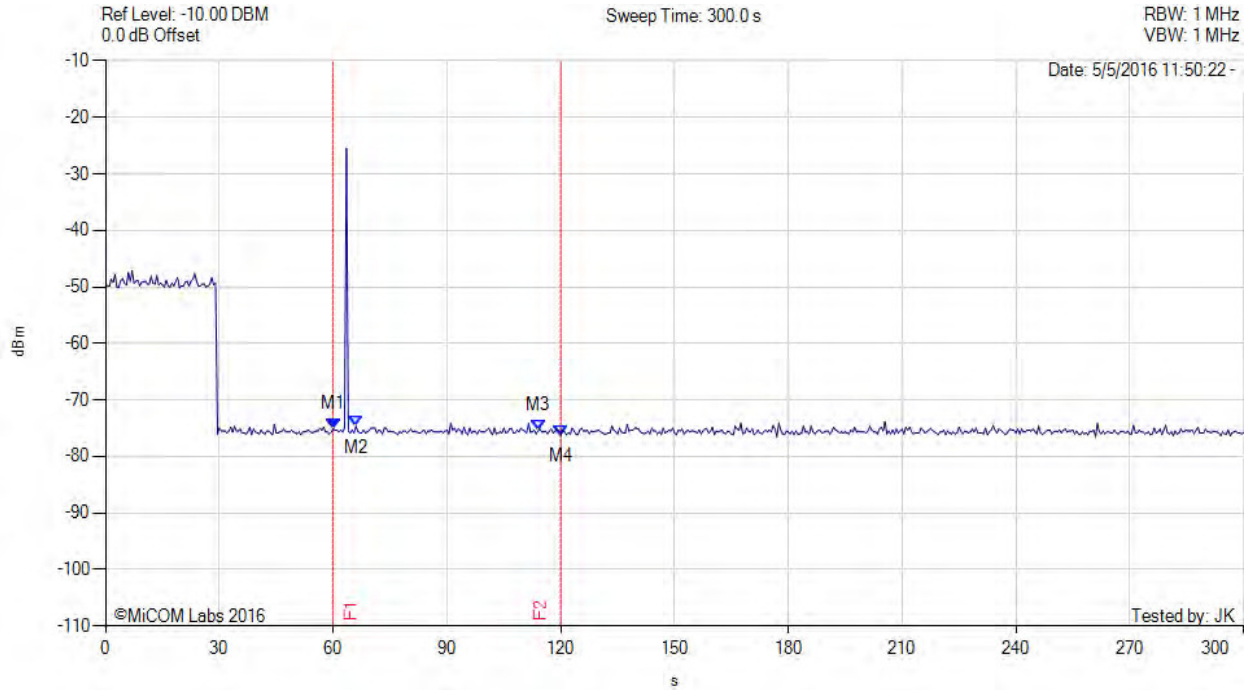


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BEGINNING CAC



Variant: 802.11a, Channel: 5500.00 MHz, Data Rate: 6 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 6.0 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5500.00 MHz) : 60.000 s : -75.160 dBm M2(5500.00 MHz) : 66.000 s : -74.660 dBm M3(5500.00 MHz) : 114.000 s : -75.500 dBm M4(5500.00 MHz) : 120.000 s : -76.330 dBm	Channel Frequency: 5500.00 MHz

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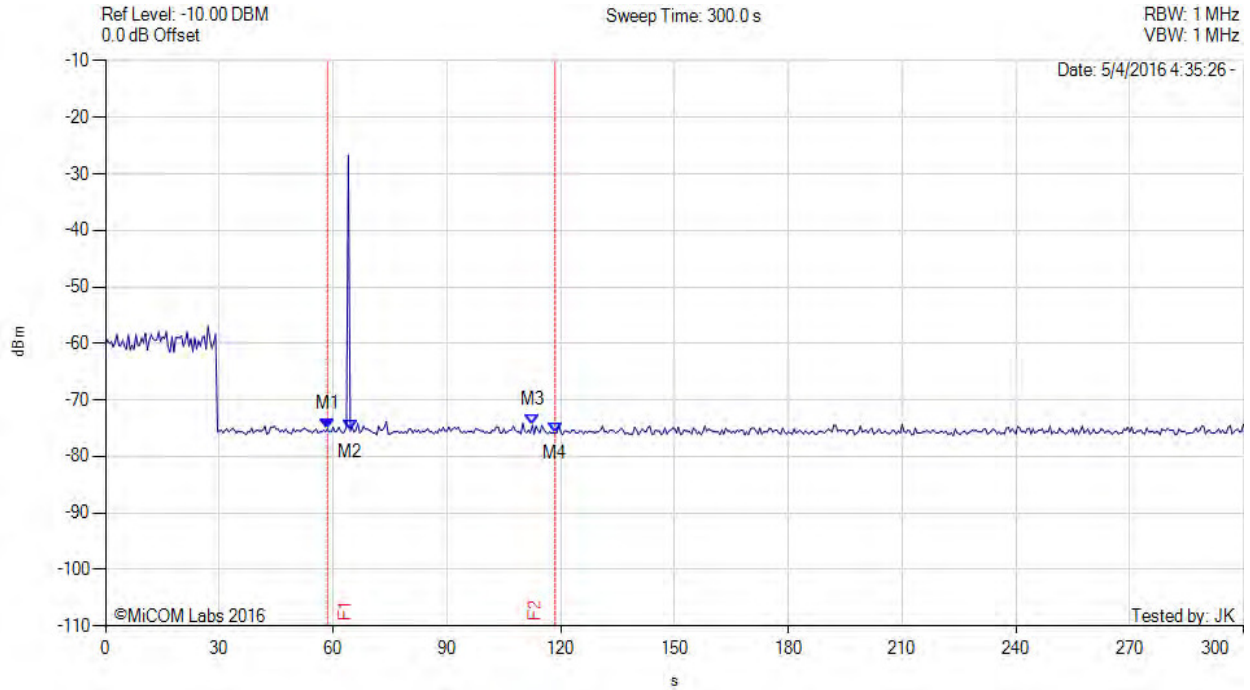


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BEGINNING CAC



Variant: 802.11ac 80, Channel: 5530.00 MHz, Data Rate: 28 Mbit/s, Duty Cycle : 27.00%, Antenna Gain: 6.0 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5530.00 MHz) : 58.500 s : -75.160 dBm M2(5530.00 MHz) : 64.500 s : -75.500 dBm M3(5530.00 MHz) : 112.500 s : -74.500 dBm M4(5530.00 MHz) : 118.500 s : -75.830 dBm	Channel Frequency: 5530.00 MHz

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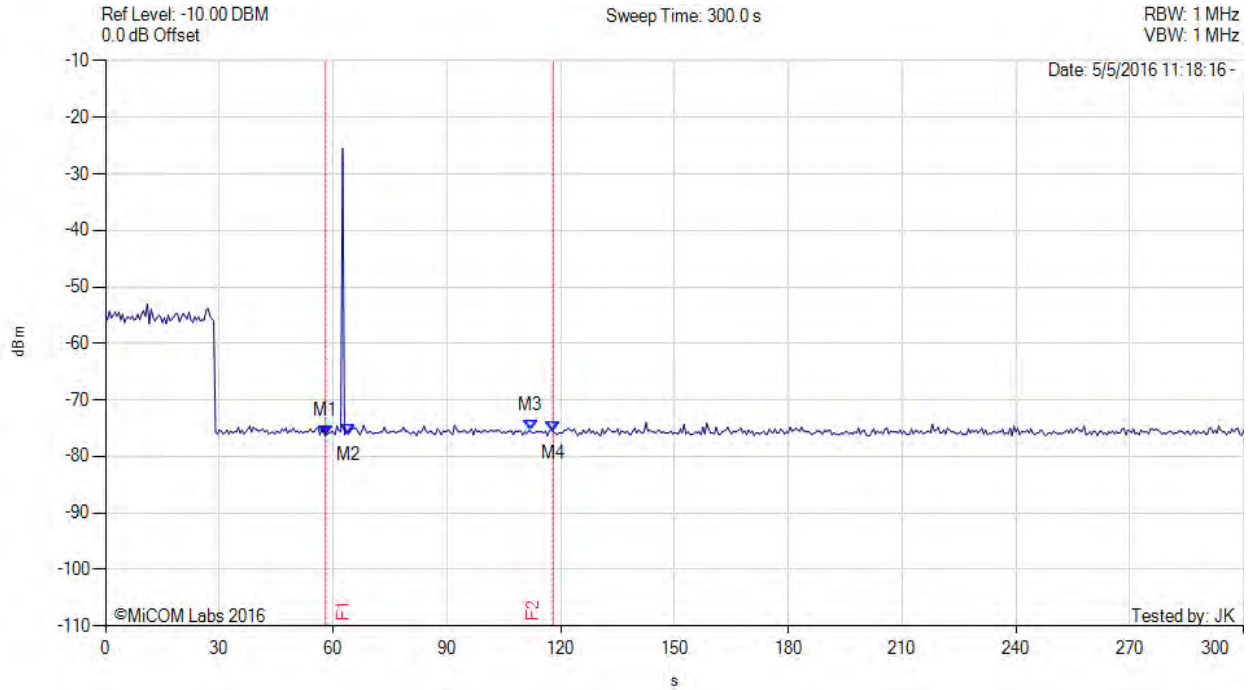


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BEGINNING CAC



Variant: 802.11n HT40, Channel: 5510.00 MHz, Data Rate: 18 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 6.0 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5510.00 MHz) : 58.000 s : -76.330 dBm M2(5510.00 MHz) : 64.000 s : -76.000 dBm M3(5510.00 MHz) : 112.000 s : -75.500 dBm M4(5510.00 MHz) : 118.000 s : -75.660 dBm	Channel Frequency: 5510.00 MHz

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### **9.1.1.3. End CAC**

The steps below define the procedure to verify successful radar detection on the selected Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold occurs at the end of the Channel Availability Check Time.

A single Burst of short pulse of radar Type 1 will commence within a 6 second window starting at  $T_0 + 54$  seconds. The window will commence at marker 3 and end at the red time line  $T_2$  ( $T_0 + 60$  secs)

Visual indication on the EUT of successful detection of the radar Burst is recorded and reported. Observation of emissions at the appropriate center frequency will continue for 2.5 minutes after the radar burst has been generated.

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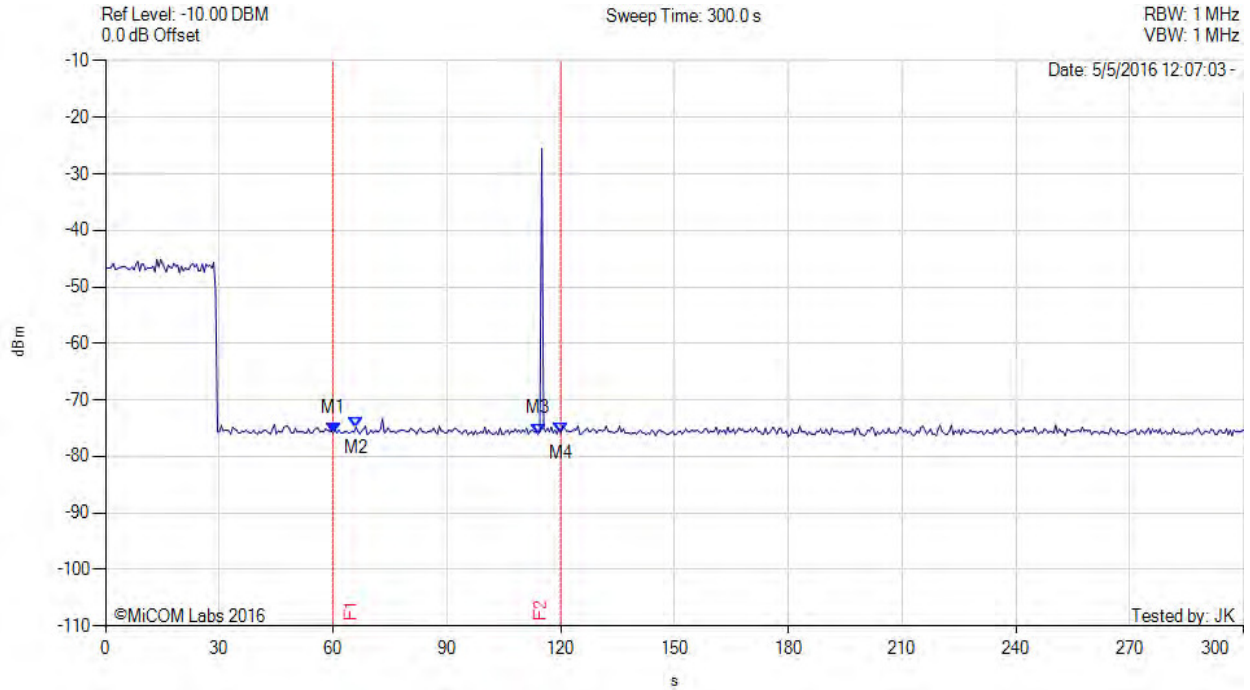


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END CAC



Variant: 802.11a, Channel: 5500.00 MHz, Data Rate: 6 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 6.0 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5500.00 MHz) : 60.000 s : -75.830 dBm M2(5500.00 MHz) : 66.000 s : -74.830 dBm M3(5500.00 MHz) : 114.000 s : -76.000 dBm M4(5500.00 MHz) : 120.000 s : -75.830 dBm	Channel Frequency: 5500.00 MHz

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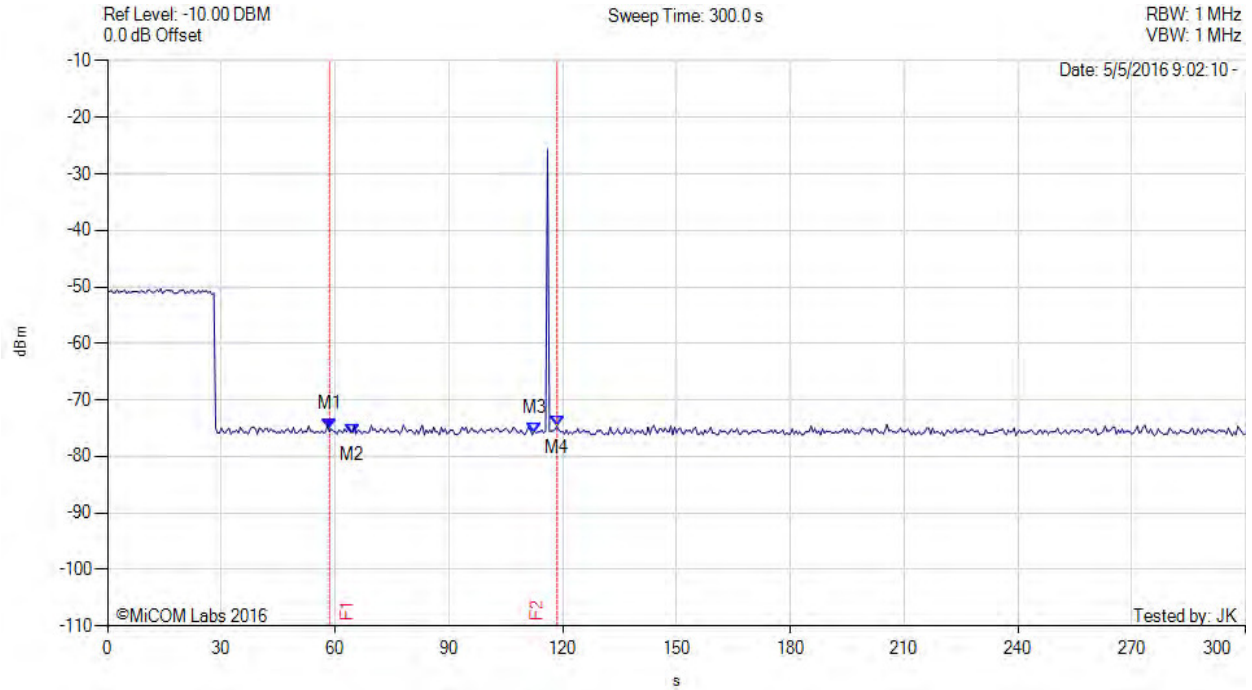


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END CAC



Variant: 802.11ac 80, Channel: 5530.00 MHz, Data Rate: 24 Mbit/s, Duty Cycle : 27.00%, Antenna Gain: 6.0 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5525.00 MHz) : 58.500 s : -75.160 dBm M2(5525.00 MHz) : 64.500 s : -76.000 dBm M3(5525.00 MHz) : 112.500 s : -75.830 dBm M4(5525.00 MHz) : 118.500 s : -74.660 dBm	Channel Frequency: 5530.00 MHz

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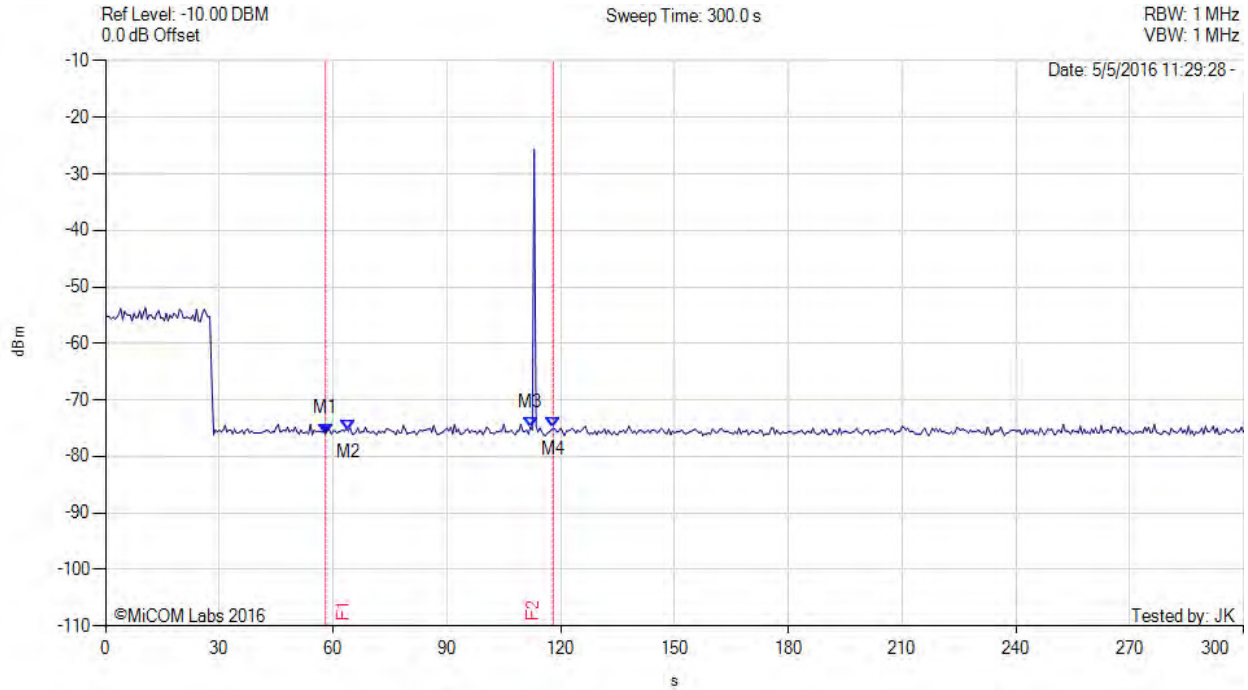




END CAC



Variant: 802.11n HT40, Channel: 5510.00 MHz, Data Rate: 18 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 6.0 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5510.00 MHz) : 58.000 s : -76.000 dBm M2(5510.00 MHz) : 64.000 s : -75.500 dBm M3(5510.00 MHz) : 112.000 s : -74.830 dBm M4(5510.00 MHz) : 118.000 s : -75.000 dBm	Channel Frequency: 5510.00 MHz

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### **9.1.2. Channel Close / Transmission Time**

The steps below define the procedure to determine the above mentioned parameters when a radar Burst with a level equal to the DFS Detection Threshold is generated on the Operating Channel of the U-NII device.

The EUT will be associated with a support U-NII device in order to setup an appropriate transmission media in accordance with the FCC requirements.

#### **Channel Closing Transmission Time and Channel Move Time - Measurement**

The test system was set-up to capture all transmission data for access point events above a threshold level of -56 dBm. The test equipment time stamps all captured events.

A Type 0 waveform was introduced to the EUT, from which a 12 second transmission record was digitally captured. The start of the Type 0 radar waveform is indicated in the test result plot as "Start Waveform", the end of the waveform is indicated as "End waveform".

Channel Closing Transmission Time, and the Channel Move Time start immediately after the last radar pulse is transmitted.

The aggregate of all pulses seen after the end of the radar injection are measured as the "Channel Closing Transmission time", seen in the test plot as "10s total".

The last EUT activity after the end of the radar pulse is identified and used to determine the "Channel Move Time"

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## Frequency 5500 MHz Channel 100

The PXI system measures and aggregates the pulses occurring after the end of the radar pulse to determine the Channel Closing Transmission Time, it also records the total time where signals are present for the Channel Move Time.

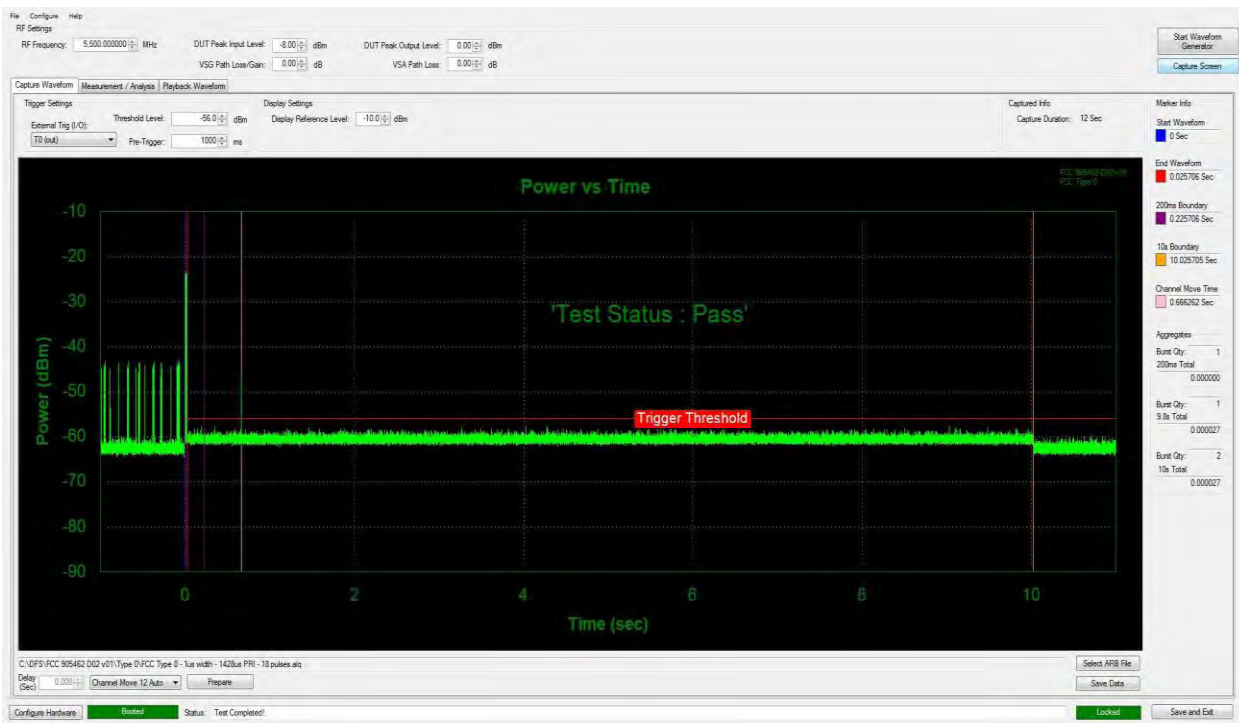
1) Channel Closing Transmission Time (limit is 260 milliseconds over 10 second period)

2) Channel Move Time (limit is 10 seconds)

1) Channel Closing Transmission Time = 0.027 mSec (limit 260 mSec)

2) Channel Move Time = 0.666262 Secs (limit is 10 seconds)

### Channel Move Time, Channel Closing Transmission Time for Type 1 Radar Captured by the Test System - 0-12 Seconds



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## Frequency 5530 MHz Channel 106

The PXI system measures and aggregates the pulses occurring after the end of the radar pulse to determine the Channel Closing Transmission Time, it also records the total time where signals are present for the Channel Move Time.

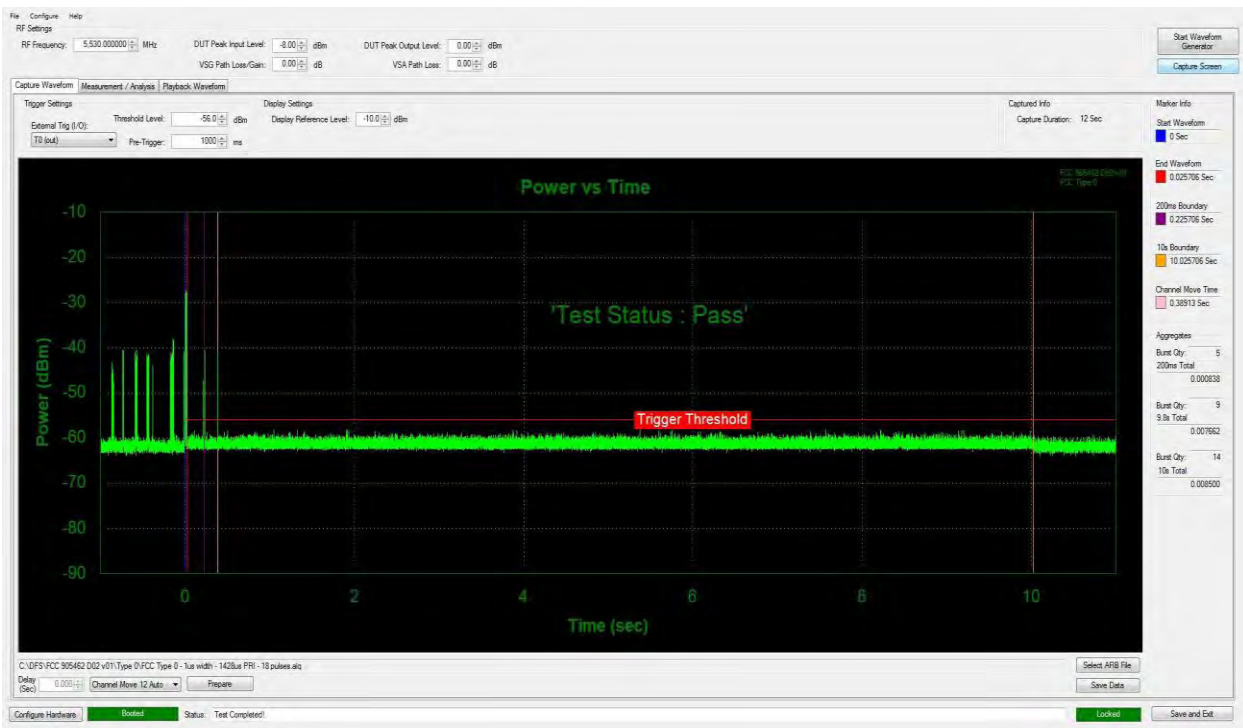
1) Channel Closing Transmission Time (limit is 260 milliseconds over 10 second period)

2) Channel Move Time (limit is 10 seconds)

1) Channel Closing Transmission Time = **8.500 mSec (limit 260 mSec)**

2) Channel Move Time = **0.38913 Secs (limit is 10 seconds)**

### Channel Move Time, Channel Closing Transmission Time for Type 1 Radar Captured by the Test System - 0-12 Seconds



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## Frequency 5510 MHz Channel 102

The PXI system measures and aggregates the pulses occurring after the end of the radar pulse to determine the Channel Closing Transmission Time, it also records the total time where signals are present for the Channel Move Time.

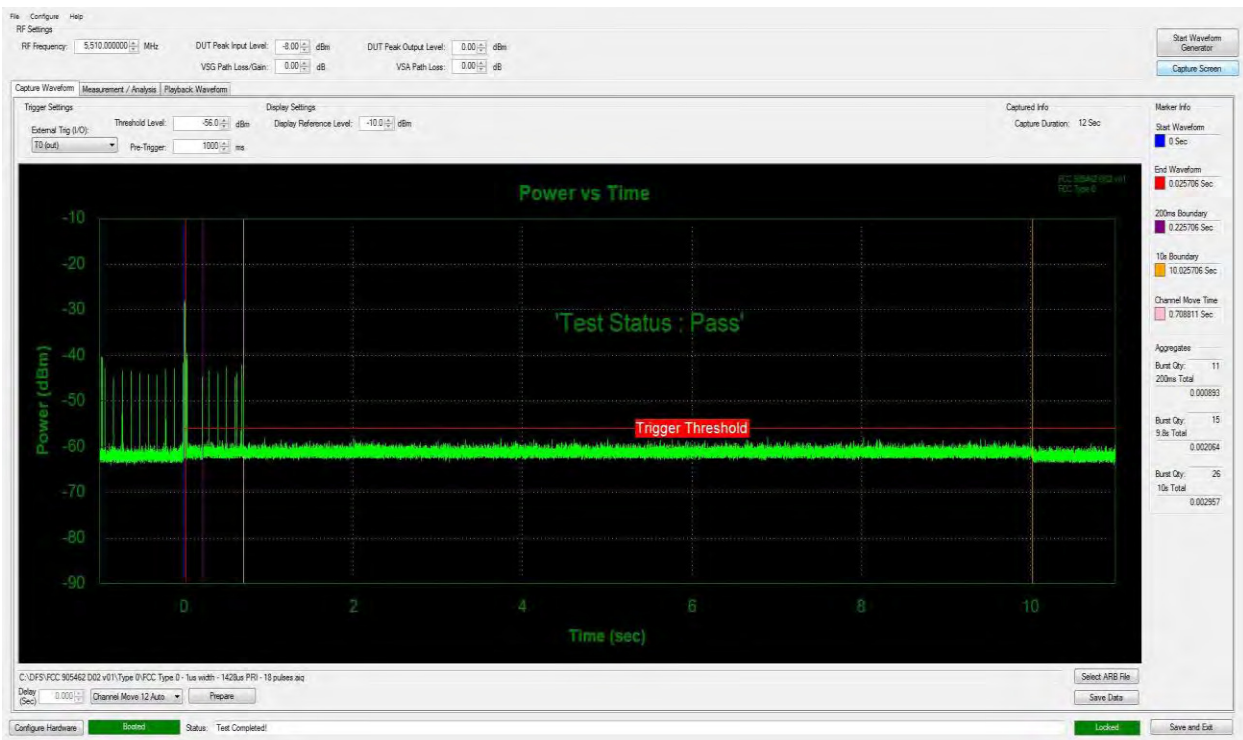
1) Channel Closing Transmission Time (limit is 260 milliseconds over 10 second period)

2) Channel Move Time (limit is 10 seconds)

1) Channel Closing Transmission Time = **2.957 mSec (limit 260 mSec)**

2) Channel Move Time = **0.708811 Secs (limit is 10 seconds)**

### Channel Move Time, Channel Closing Transmission Time for Type 1 Radar Captured by the Test System - 0-12 Seconds

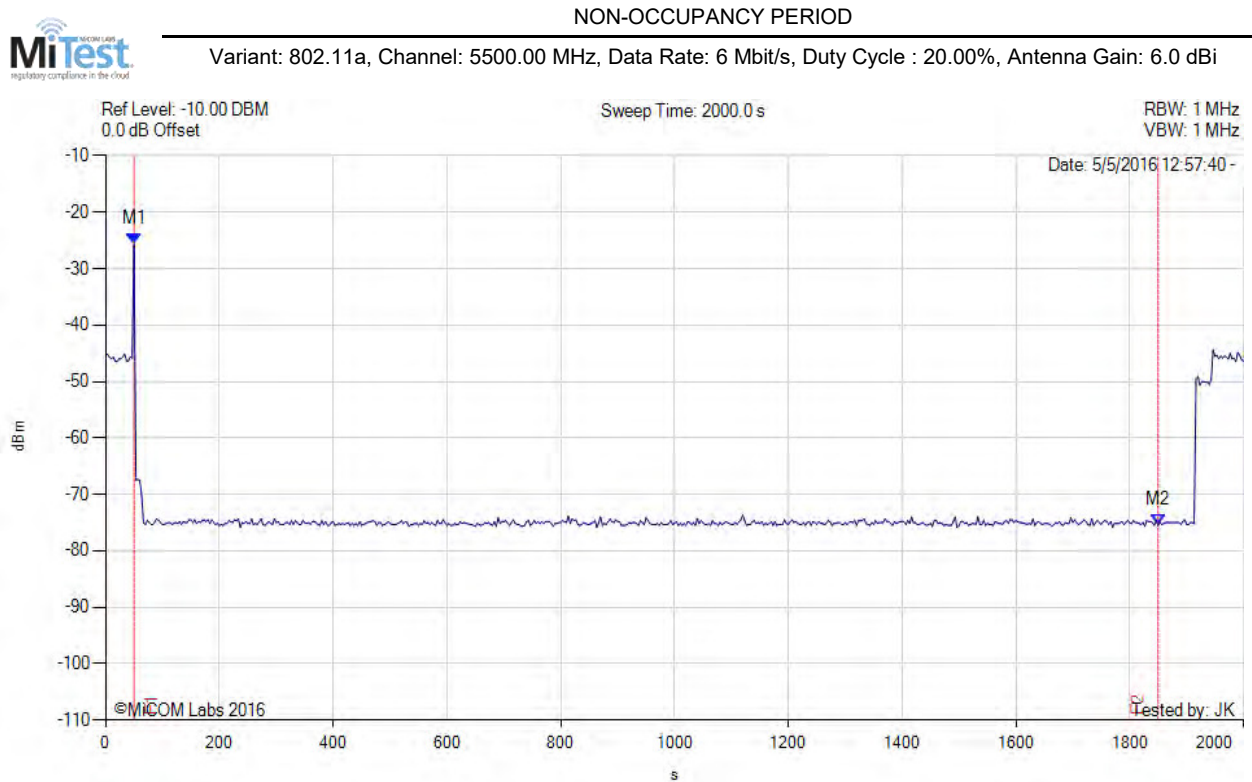


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### 9.1.3. Non-Occupancy Period

The EUT is monitored for more than 30 minutes following the channel close/move time to verify no transmissions resume on this Channel. There should be no transmissions on the frequency of interest during the non-occupancy period.



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5500.00 MHz) : 50.000 s : -25.660 dBm M2(5500.00 MHz) : 1850.000 s : -75.500 dBm	Channel Frequency: 5500.00 MHz

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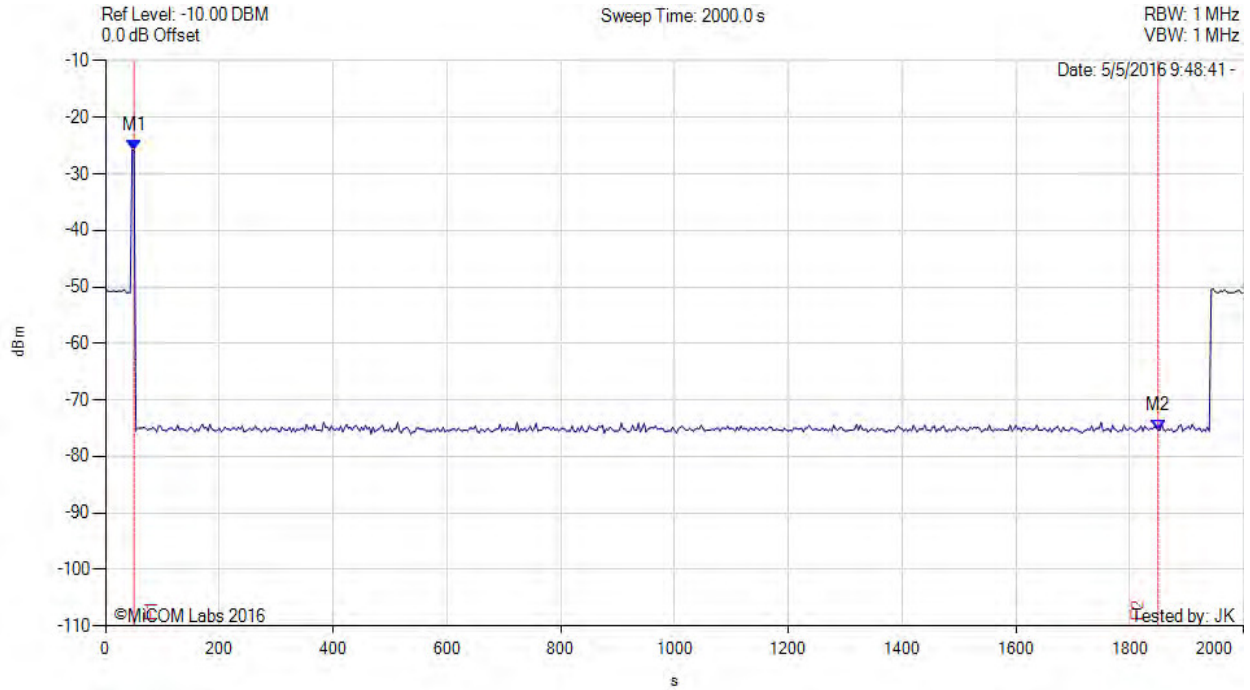


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NON-OCCUPANCY PERIOD



Variant: 802.11ac 80, Channel: 5530.00 MHz, Data Rate: 24 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 6.0 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5525.00 MHz) : 50.000 s : -25.830 dBm M2(5525.00 MHz) : 1850.000 s : -75.330 dBm	Channel Frequency: 5530.00 MHz

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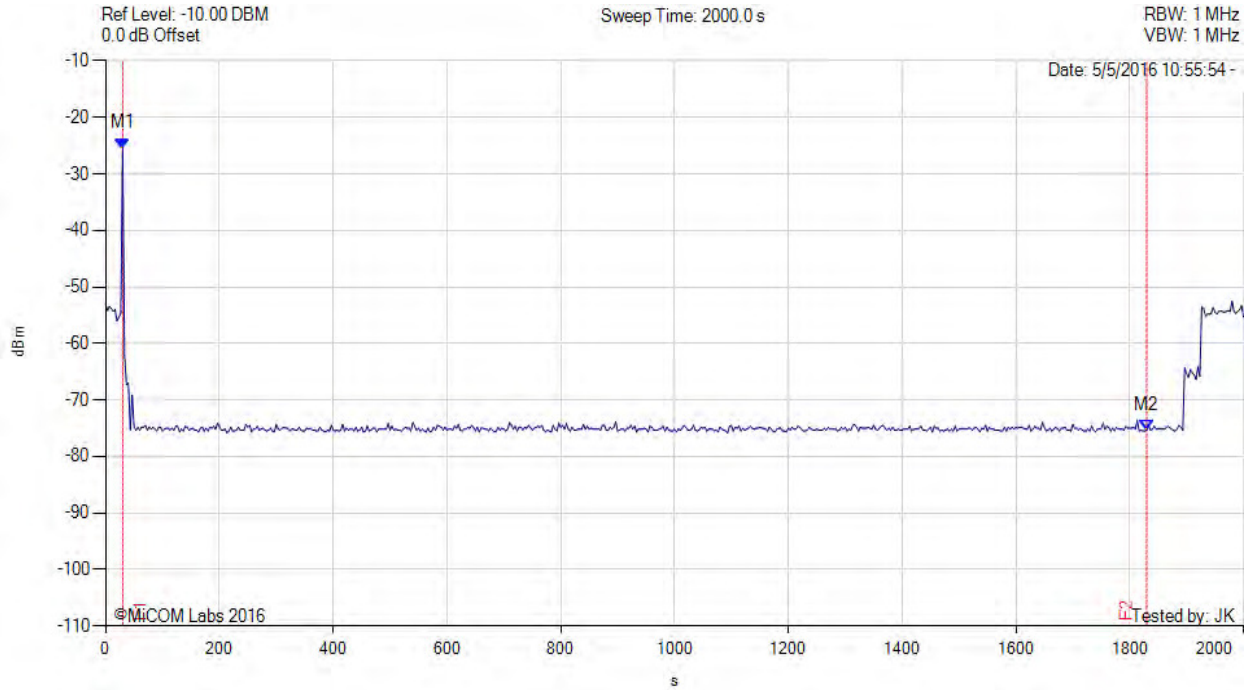


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NON-OCCUPANCY PERIOD



Variant: 802.11n HT40, Channel: 5510.00 MHz, Data Rate: 18 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 6.0 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5510.00 MHz) : 30.000 s : -25.500 dBm M2(5510.00 MHz) : 1830.000 s : -75.330 dBm	Channel Frequency: 5510.00 MHz

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#### **9.1.4. Probability of Detection**

The steps below define the procedure to determine the minimum percentage of detection when a radar burst with a level equal to the DFS Detection Threshold is generated on the Operating Channel of the U-NII device.

The Radar Waveform generator sends the individual waveform for each of the radar Types 1-6. Statistical data will be gathered to determine the ability of the device to detect the radar test waveforms. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trial runs. The percentage of successful detection is calculated by:

$$\text{Total \# of detections} \div \text{Total \# of Trials} \times 100 = \text{Probability of Detection}$$

The Minimum number of trails, minimum percentage of successful detection and the average minimum percentage of successful detection are found in the Radar Test Waveforms section.

The aggregate is the average of the percentage of successful detections of Short Pulse Radar Types 1-4. For example, the following table indicates how to compute the aggregate of percentage of successful detections;

#### **Example - Calculation of Aggregate Percentage**

<b>Radar Type</b>	<b>Number of Trials</b>	<b>Number of Successful Detections</b>	<b>Minimum Percentage of Successful Detections</b>
1	35	29	82.9%
2	30	18	60.0%
3	30	27	90.0%
4	30	44	88.0%
<b>Aggregate (82.9% + 60.0% + 90.0% +88.0%) / 4 = 80.2%</b>			



802.11a - 5500 MHz

Statistical Performance Check					
Radar Type	Number of Trials	Number of Successful Detections	Percentage of Successful Detections	Result	Data Link
Radar Type 0	30	30	100.00%	Complies	<a href="#">View Data</a>
Radar Type 1	30	28	93.33%	Complies	<a href="#">View Data</a>
Radar Type 2	30	25	83.33%	Complies	<a href="#">View Data</a>
Radar Type 3	30	27	90.00%	Complies	<a href="#">View Data</a>
Radar Type 4	30	25	83.33%	Complies	<a href="#">View Data</a>
<b>Aggregate (93.99% + 83.33% + 90.00% + 83.33%) / 4 = 87.50%</b>				Complies	--
Radar Type 5	30	30	100.00%	Complies	<a href="#">View Data</a>
Radar Type 6	30	29	96.67%	Complies	<a href="#">View Data</a>

802.11ac 80 - 5530 MHz

Statistical Performance Check					
Radar Type	Number of Trials	Number of Successful Detections	Percentage of Successful Detections	Result	Data Link
Radar Type 0	30	30	100.00%	Complies	<a href="#">View Data</a>
Radar Type 1	30	30	100.00%	Complies	<a href="#">View Data</a>
Radar Type 2	30	30	100.00%	Complies	<a href="#">View Data</a>
Radar Type 3	30	30	100.00%	Complies	<a href="#">View Data</a>
Radar Type 4	30	26	86.67%	Complies	<a href="#">View Data</a>
<b>Aggregate (100.00% + 100.00% + 100.00% + 86.67%) / 4 = 96.67%</b>				Complies	--
Radar Type 5	30	30	100.00%	Complies	<a href="#">View Data</a>
Radar Type 6	30	30	100.00%	Complies	<a href="#">View Data</a>

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802.11n HT40 - 5510 MHz

Statistical Performance Check					
Radar Type	Number of Trials	Number of Successful Detections	Percentage of Successful Detections	Result	Data Link
Radar Type 0	30	30	100.00%	Complies	<a href="#">View Data</a>
Radar Type 1	30	28	93.33%	Complies	<a href="#">View Data</a>
Radar Type 2	30	25	83.33%	Complies	<a href="#">View Data</a>
Radar Type 3	30	25	83.33%	Complies	<a href="#">View Data</a>
Radar Type 4	30	25	83.33%	Complies	<a href="#">View Data</a>
<b>Aggregate (98.33% + 88.33% + 83.33% + 83.33%) / 4 = 85.83%</b>				Complies	--
Radar Type 5	30	30	100.00%	Complies	<a href="#">View Data</a>
Radar Type 6	30	30	100.00%	Complies	<a href="#">View Data</a>

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**Equipment Configuration for Radar Type 0**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	6 Mbit/s	<b>Antenna Gain (dBi):</b>	6.0
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5500.00 MHz	<b>Tested By:</b>	SB
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1	700	1428	18	30	30	100.00%	See Agg.
<b>Aggregate:</b>				<b>30.00</b>	<b>30.00</b>	<b>100.00%</b>	<b>Pass</b>

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**Equipment Configuration for Radar Type 1**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	6 Mbit/s	<b>Antenna Gain (dBi):</b>	6.0
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5500.00 MHz	<b>Tested By:</b>	SB
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1	1792	558	95	1	1	100.00%	DETECTED
1	326	3066	18	1	1	100.00%	DETECTED
1	1193	838	63	1	1	100.00%	DETECTED
1	1730	578	92	1	1	100.00%	DETECTED
1	1114	898	59	1	1	100.00%	DETECTED
1	1139	878	61	1	1	100.00%	DETECTED
1	1931	518	102	1	1	100.00%	DETECTED
1	1253	798	67	1	1	100.00%	DETECTED
1	1859	538	99	1	1	100.00%	DETECTED
1	1066	938	57	1	1	100.00%	DETECTED
1	1319	758	70	1	1	100.00%	DETECTED
1	1222	818	65	1	1	100.00%	DETECTED
1	1433	698	76	1	1	100.00%	DETECTED
1	1355	738	72	1	1	100.00%	DETECTED
1	1520	658	81	1	1	100.00%	DETECTED
1	436	2291	24	1	1	100.00%	DETECTED
1	344	2907	19	1	0	0.00%	NOT DETECTED
1	481	2078	26	1	1	100.00%	DETECTED
1	812	1231	43	1	1	100.00%	DETECTED
1	471	2121	25	1	1	100.00%	DETECTED
1	495	2021	27	1	1	100.00%	DETECTED
1	527	1897	28	1	1	100.00%	DETECTED
1	500	2001	27	1	0	0.00%	NOT DETECTED
1	433	2307	23	1	1	100.00%	DETECTED
1	987	1013	53	1	1	100.00%	DETECTED
1	897	1115	48	1	1	100.00%	DETECTED
1	484	2066	26	1	1	100.00%	DETECTED
1	436	2294	24	1	1	100.00%	DETECTED
1	394	2541	21	1	1	100.00%	DETECTED
1	448	2232	24	1	1	100.00%	DETECTED
<b>Aggregate:</b>				<b>30.00</b>	<b>28.00</b>	<b>93.33%</b>	<b>Pass</b>

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**Equipment Configuration for Radar Type 2**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	6 Mbit/s	<b>Antenna Gain (dBi):</b>	6.0
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5500.00 MHz	<b>Tested By:</b>	SB
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1.3	5155	194	27	1	1	100.00%	DETECTED
1.4	6410	156	23	1	1	100.00%	DETECTED
1.6	4673	214	29	1	1	100.00%	DETECTED
1.6	4854	206	23	1	0	0.00%	NOT DETECTED
2.3	6667	150	23	1	1	100.00%	DETECTED
2.3	6410	156	27	1	0	0.00%	NOT DETECTED
2.4	5263	190	26	1	1	100.00%	DETECTED
2.5	5236	191	23	1	1	100.00%	DETECTED
2.5	5376	186	28	1	1	100.00%	DETECTED
2.5	5917	169	29	1	1	100.00%	DETECTED
2.5	5780	173	29	1	1	100.00%	DETECTED
2.7	6623	151	23	1	1	100.00%	DETECTED
3	4975	201	27	1	1	100.00%	DETECTED
3.1	4608	217	27	1	1	100.00%	DETECTED
3.3	5000	200	23	1	1	100.00%	DETECTED
3.3	4405	227	26	1	1	100.00%	DETECTED
3.6	5051	198	29	1	1	100.00%	DETECTED
3.6	4785	209	27	1	0	0.00%	NOT DETECTED
3.6	4545	220	25	1	1	100.00%	DETECTED
3.6	6369	157	24	1	1	100.00%	DETECTED
3.7	6579	152	26	1	1	100.00%	DETECTED
4	4348	230	24	1	1	100.00%	DETECTED
4.2	4348	230	25	1	1	100.00%	DETECTED
4.3	5128	195	23	1	1	100.00%	DETECTED
4.3	5780	173	26	1	0	0.00%	NOT DETECTED
4.4	4975	201	24	1	0	0.00%	NOT DETECTED
4.7	5747	174	27	1	1	100.00%	DETECTED
4.7	4975	201	24	1	1	100.00%	DETECTED
4.7	4651	215	26	1	1	100.00%	DETECTED
4.9	5917	169	27	1	1	100.00%	DETECTED
<b>Aggregate:</b>				<b>30.00</b>	<b>25.00</b>	<b>83.33%</b>	<b>Pass</b>

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**Equipment Configuration for Radar Type 3**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	6 Mbit/s	<b>Antenna Gain (dBi):</b>	6.0
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5500.00 MHz	<b>Tested By:</b>	SB
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
10	3300	303	17	1	1	100.00%	DETECTED
10	2273	440	17	1	1	100.00%	DETECTED
6.3	3185	314	17	1	1	100.00%	DETECTED
6.3	2849	351	18	1	1	100.00%	DETECTED
6.3	2358	424	16	1	1	100.00%	DETECTED
6.5	4237	236	17	1	1	100.00%	DETECTED
6.6	4329	231	16	1	1	100.00%	DETECTED
6.8	2370	422	18	1	1	100.00%	DETECTED
7.1	2222	450	17	1	1	100.00%	DETECTED
7.4	3247	308	16	1	1	100.00%	DETECTED
7.5	3906	256	16	1	1	100.00%	DETECTED
7.7	4329	231	18	1	1	100.00%	DETECTED
7.7	2092	478	16	1	0	0.00%	NOT DETECTED
7.8	4032	248	16	1	1	100.00%	DETECTED
7.8	2053	487	18	1	0	0.00%	NOT DETECTED
7.9	2732	366	18	1	1	100.00%	DETECTED
8.1	2381	420	16	1	1	100.00%	DETECTED
8.2	4695	213	17	1	1	100.00%	DETECTED
8.2	2247	445	16	1	1	100.00%	DETECTED
8.2	3185	314	16	1	1	100.00%	DETECTED
8.4	3185	314	18	1	1	100.00%	DETECTED
8.4	2410	415	18	1	1	100.00%	DETECTED
8.8	4673	214	18	1	1	100.00%	DETECTED
8.8	2114	473	17	1	1	100.00%	DETECTED
9.1	2101	476	16	1	1	100.00%	DETECTED
9.3	5000	200	18	1	1	100.00%	DETECTED
9.5	2174	460	18	1	1	100.00%	DETECTED
9.5	2463	406	18	1	1	100.00%	DETECTED
9.9	2203	454	16	1	0	0.00%	NOT DETECTED
9.9	3968	252	16	1	1	100.00%	DETECTED
<b>Aggregate:</b>				<b>30.00</b>	<b>27.00</b>	<b>90.00%</b>	<b>Pass</b>

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**Equipment Configuration for Radar Type 4**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	6 Mbit/s	<b>Antenna Gain (dBi):</b>	6.0
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5500.00 MHz	<b>Tested By:</b>	SB
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
11.3	2625	381	15	1	1	100.00%	DETECTED
12.5	2519	397	13	1	1	100.00%	DETECTED
12.5	2119	472	16	1	1	100.00%	DETECTED
12.5	3584	279	13	1	1	100.00%	DETECTED
12.5	3012	332	14	1	1	100.00%	DETECTED
12.5	2008	498	12	1	0	0.00%	NOT DETECTED
12.8	3788	264	15	1	1	100.00%	DETECTED
12.8	4651	215	16	1	1	100.00%	DETECTED
13	2985	335	12	1	1	100.00%	DETECTED
13.2	2128	470	14	1	1	100.00%	DETECTED
13.8	3509	285	15	1	0	0.00%	NOT DETECTED
13.9	2433	411	12	1	1	100.00%	DETECTED
13.9	3861	259	14	1	1	100.00%	DETECTED
14.3	3067	326	12	1	1	100.00%	DETECTED
15.2	3322	301	16	1	1	100.00%	DETECTED
15.3	3876	258	16	1	1	100.00%	DETECTED
15.9	2232	448	12	1	0	0.00%	NOT DETECTED
16.3	4065	246	16	1	1	100.00%	DETECTED
17.5	2342	427	12	1	0	0.00%	NOT DETECTED
18.7	2506	399	14	1	1	100.00%	DETECTED
18.8	2141	467	16	1	1	100.00%	DETECTED
19.1	2309	433	16	1	1	100.00%	DETECTED
19.2	3185	314	16	1	1	100.00%	DETECTED
19.3	3650	274	16	1	0	0.00%	NOT DETECTED
19.3	4785	209	12	1	1	100.00%	DETECTED
19.3	3774	265	15	1	1	100.00%	DETECTED
19.5	3876	258	14	1	1	100.00%	DETECTED
19.8	4237	236	14	1	1	100.00%	DETECTED
19.8	2062	485	14	1	1	100.00%	DETECTED
19.8	2618	382	15	1	1	100.00%	DETECTED
<b>Aggregate:</b>				<b>30.00</b>	<b>25.00</b>	<b>83.33%</b>	<b>Pass</b>

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**Title:** Aruba Networks, Inc. APIN0224, APIN0225  
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**Equipment Configuration for Radar Type 5**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	27.00
<b>Data Rate:</b>	6 Mbit/s	<b>Antenna Gain (dBi):</b>	6.0
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5500.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Burst Segment	Injections	Detections	Detection Rate	Result
Type 5 #0 5500.00	1	1	100.00%	DETECTED
Type 5 #1 5503.20	1	1	100.00%	DETECTED
Type 5 #2 5498.80	1	1	100.00%	DETECTED
Type 5 #3 5500.00	1	1	100.00%	DETECTED
Type 5 #4 5504.80	1	1	100.00%	DETECTED
Type 5 #5 5500.80	1	1	100.00%	DETECTED
Type 5 #6 5506.00	1	1	100.00%	DETECTED
Type 5 #7 5504.80	1	1	100.00%	DETECTED
Type 5 #8 5500.00	1	1	100.00%	DETECTED
Type 5 #9 5496.00	1	1	100.00%	DETECTED
Type 5 #10 5506.00	1	1	100.00%	DETECTED
Type 5 #11 5494.80	1	1	100.00%	DETECTED
Type 5 #12 5494.00	1	1	100.00%	DETECTED
Type 5 #13 5500.00	1	1	100.00%	DETECTED
Type 5 #14 5500.40	1	1	100.00%	DETECTED
Type 5 #15 5500.40	1	1	100.00%	DETECTED
Type 5 #16 5495.20	1	1	100.00%	DETECTED
Type 5 #17 5506.00	1	1	100.00%	DETECTED
Type 5 #18 5498.80	1	1	100.00%	DETECTED
Type 5 #19 5494.00	1	1	100.00%	DETECTED
Type 5 #20 5505.60	1	1	100.00%	DETECTED
Type 5 #21 5500.00	1	1	100.00%	DETECTED
Type 5 #22 5497.20	1	1	100.00%	DETECTED
Type 5 #23 5496.80	1	1	100.00%	DETECTED
Type 5 #24 5500.00	1	1	100.00%	DETECTED
Type 5 #25 5500.00	1	1	100.00%	DETECTED
Type 5 #26 5500.00	1	1	100.00%	DETECTED
Type 5 #27 5498.40	1	1	100.00%	DETECTED
Type 5 #28 5500.00	1	1	100.00%	DETECTED
Type 5 #29 5500.00	1	1	100.00%	DETECTED
<b>Aggregate:</b>	<b>30.00</b>	<b>30.00</b>	<b>100.00%</b>	<b>Pass</b>

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#### Equipment Configuration for Radar Type 6

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	27.00
<b>Data Rate:</b>	6 Mbit/s	<b>Antenna Gain (dBi):</b>	6.0
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5500.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

#### Test Measurement Results

Burst Segment	Detections	Injection #	Detection Rate	Pass/Fail
Type 6 #1	1	1	100.00%	DETECTED
Type 6 #2	1	1	100.00%	DETECTED
Type 6 #3	1	1	100.00%	DETECTED
Type 6 #4	1	1	100.00%	DETECTED
Type 6 #5	1	1	100.00%	DETECTED
Type 6 #6	1	1	100.00%	DETECTED
Type 6 #7	1	1	100.00%	DETECTED
Type 6 #8	1	1	100.00%	DETECTED
Type 6 #9	1	0	0.00%	NOT DETECTED
Type 6 #10	1	1	100.00%	DETECTED
Type 6 #11	1	1	100.00%	DETECTED
Type 6 #12	1	1	100.00%	DETECTED
Type 6 #13	1	1	100.00%	DETECTED
Type 6 #14	1	1	100.00%	DETECTED
Type 6 #15	1	1	100.00%	DETECTED
Type 6 #16	1	1	100.00%	DETECTED
Type 6 #17	1	1	100.00%	DETECTED
Type 6 #18	1	1	100.00%	DETECTED
Type 6 #19	1	1	100.00%	DETECTED
Type 6 #20	1	1	100.00%	DETECTED
Type 6 #21	1	1	100.00%	DETECTED
Type 6 #22	1	1	100.00%	DETECTED
Type 6 #23	1	1	100.00%	DETECTED
Type 6 #24	1	1	100.00%	DETECTED
Type 6 #25	1	1	100.00%	DETECTED
Type 6 #26	1	1	100.00%	DETECTED
Type 6 #27	1	1	100.00%	DETECTED
Type 6 #28	1	1	100.00%	DETECTED
Type 6 #29	1	1	100.00%	DETECTED
Type 6 #30	1	1	100.00%	DETECTED
<b>Aggregate:</b>	<b>30.00</b>	<b>29.00</b>	<b>96.67%</b>	<b>Pass</b>

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**Equipment Configuration for Radar Type 0**

<b>Variant:</b>	802.11ac 80	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	29 Mbit/s	<b>Antenna Gain (dBi):</b>	3.30
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5530.00 MHz	<b>Tested By:</b>	SB
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1	700	1428	18	30	30	100.00%	See Agg.
<b>Aggregate:</b>				<b>30.00</b>	<b>30.00</b>	<b>100.00%</b>	<b>Pass</b>

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**Equipment Configuration for Radar Type 1**

<b>Variant:</b>	802.11ac 80	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	29 Mbit/s	<b>Antenna Gain (dBi):</b>	3.30
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5530.00 MHz	<b>Tested By:</b>	SB
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1	1792	558	95	1	1	100.00%	DETECTED
1	326	3066	18	1	1	100.00%	DETECTED
1	1193	838	63	1	1	100.00%	DETECTED
1	1730	578	92	1	1	100.00%	DETECTED
1	1114	898	59	1	1	100.00%	DETECTED
1	1139	878	61	1	1	100.00%	DETECTED
1	1931	518	102	1	1	100.00%	DETECTED
1	1253	798	67	1	1	100.00%	DETECTED
1	1859	538	99	1	1	100.00%	DETECTED
1	1066	938	57	1	1	100.00%	DETECTED
1	1319	758	70	1	1	100.00%	DETECTED
1	1222	818	65	1	1	100.00%	DETECTED
1	1433	698	76	1	1	100.00%	DETECTED
1	1355	738	72	1	1	100.00%	DETECTED
1	1520	658	81	1	1	100.00%	DETECTED
1	436	2291	24	1	1	100.00%	DETECTED
1	344	2907	19	1	1	100.00%	DETECTED
1	481	2078	26	1	1	100.00%	DETECTED
1	812	1231	43	1	1	100.00%	DETECTED
1	471	2121	25	1	1	100.00%	DETECTED
1	495	2021	27	1	1	100.00%	DETECTED
1	527	1897	28	1	1	100.00%	DETECTED
1	500	2001	27	1	1	100.00%	DETECTED
1	433	2307	23	1	1	100.00%	DETECTED
1	987	1013	53	1	1	100.00%	DETECTED
1	897	1115	48	1	1	100.00%	DETECTED
1	484	2066	26	1	1	100.00%	DETECTED
1	436	2294	24	1	1	100.00%	DETECTED
1	394	2541	21	1	1	100.00%	DETECTED
1	448	2232	24	1	1	100.00%	DETECTED
<b>Aggregate:</b>				<b>30.00</b>	<b>30.00</b>	<b>100.00%</b>	<b>Pass</b>

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**Equipment Configuration for Radar Type 2**

<b>Variant:</b>	802.11ac 80	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	29 Mbit/s	<b>Antenna Gain (dBi):</b>	6.0
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5530.00 MHz	<b>Tested By:</b>	SB
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1.3	5155	194	27	1	1	100.00%	DETECTED
1.4	6410	156	23	1	1	100.00%	DETECTED
1.6	4673	214	29	1	1	100.00%	DETECTED
1.6	4854	206	23	1	1	100.00%	DETECTED
2.3	6667	150	23	1	1	100.00%	DETECTED
2.3	6410	156	27	1	1	100.00%	DETECTED
2.4	5263	190	26	1	1	100.00%	DETECTED
2.5	5236	191	23	1	1	100.00%	DETECTED
2.5	5376	186	28	1	1	100.00%	DETECTED
2.5	5917	169	29	1	1	100.00%	DETECTED
2.5	5780	173	29	1	1	100.00%	DETECTED
2.7	6623	151	23	1	1	100.00%	DETECTED
3	4975	201	27	1	1	100.00%	DETECTED
3.1	4608	217	27	1	1	100.00%	DETECTED
3.3	5000	200	23	1	1	100.00%	DETECTED
3.3	4405	227	26	1	1	100.00%	DETECTED
3.6	5051	198	29	1	1	100.00%	DETECTED
3.6	4785	209	27	1	1	100.00%	DETECTED
3.6	4545	220	25	1	1	100.00%	DETECTED
3.6	6369	157	24	1	1	100.00%	DETECTED
3.7	6579	152	26	1	1	100.00%	DETECTED
4	4348	230	24	1	1	100.00%	DETECTED
4.2	4348	230	25	1	1	100.00%	DETECTED
4.3	5128	195	23	1	1	100.00%	DETECTED
4.3	5780	173	26	1	1	100.00%	DETECTED
4.4	4975	201	24	1	1	100.00%	DETECTED
4.7	5747	174	27	1	1	100.00%	DETECTED
4.7	4975	201	24	1	1	100.00%	DETECTED
4.7	4651	215	26	1	1	100.00%	DETECTED
4.9	5917	169	27	1	1	100.00%	DETECTED
<b>Aggregate:</b>				<b>30.00</b>	<b>30.00</b>	<b>100.00%</b>	<b>Pass</b>

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**Equipment Configuration for Radar Type 3**

<b>Variant:</b>	802.11ac 80	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	29 Mbit/s	<b>Antenna Gain (dBi):</b>	6.0
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5530.00 MHz	<b>Tested By:</b>	SB
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
10	3300	303	17	1	1	100.00%	DETECTED
10	2273	440	17	1	1	100.00%	DETECTED
6.3	3185	314	17	1	1	100.00%	DETECTED
6.3	2849	351	18	1	1	100.00%	DETECTED
6.3	2358	424	16	1	1	100.00%	DETECTED
6.5	4237	236	17	1	1	100.00%	DETECTED
6.6	4329	231	16	1	1	100.00%	DETECTED
6.8	2370	422	18	1	1	100.00%	DETECTED
7.1	2222	450	17	1	1	100.00%	DETECTED
7.4	3247	308	16	1	1	100.00%	DETECTED
7.5	3906	256	16	1	1	100.00%	DETECTED
7.7	4329	231	18	1	1	100.00%	DETECTED
7.7	2092	478	16	1	1	100.00%	DETECTED
7.8	4032	248	16	1	1	100.00%	DETECTED
7.8	2053	487	18	1	1	100.00%	DETECTED
7.9	2732	366	18	1	1	100.00%	DETECTED
8.1	2381	420	16	1	1	100.00%	DETECTED
8.2	4695	213	17	1	1	100.00%	DETECTED
8.2	2247	445	16	1	1	100.00%	DETECTED
8.2	3185	314	16	1	1	100.00%	DETECTED
8.4	3185	314	18	1	1	100.00%	DETECTED
8.4	2410	415	18	1	1	100.00%	DETECTED
8.8	4673	214	18	1	1	100.00%	DETECTED
8.8	2114	473	17	1	1	100.00%	DETECTED
9.1	2101	476	16	1	1	100.00%	DETECTED
9.3	5000	200	18	1	1	100.00%	DETECTED
9.5	2174	460	18	1	1	100.00%	DETECTED
9.5	2463	406	18	1	1	100.00%	DETECTED
9.9	2203	454	16	1	1	100.00%	DETECTED
9.9	3968	252	16	1	1	100.00%	DETECTED
<b>Aggregate:</b>				<b>30.00</b>	<b>30.00</b>	<b>100.00%</b>	<b>Pass</b>

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**Equipment Configuration for Radar Type 4**

<b>Variant:</b>	802.11ac 80	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	29 Mbit/s	<b>Antenna Gain (dBi):</b>	6.0
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5530.00 MHz	<b>Tested By:</b>	SB
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
11.3	2625	381	15	1	1	100.00%	DETECTED
12.5	2519	397	13	1	1	100.00%	DETECTED
12.5	2119	472	16	1	1	100.00%	DETECTED
12.5	3584	279	13	1	1	100.00%	DETECTED
12.5	3012	332	14	1	1	100.00%	DETECTED
12.5	2008	498	12	1	0	0.00%	NOT DETECTED
12.8	3788	264	15	1	1	100.00%	DETECTED
12.8	4651	215	16	1	1	100.00%	DETECTED
13	2985	335	12	1	1	100.00%	DETECTED
13.2	2128	470	14	1	1	100.00%	DETECTED
13.8	3509	285	15	1	0	0.00%	NOT DETECTED
13.9	2433	411	12	1	1	100.00%	DETECTED
13.9	3861	259	14	1	1	100.00%	DETECTED
14.3	3067	326	12	1	1	100.00%	DETECTED
15.2	3322	301	16	1	1	100.00%	DETECTED
15.3	3876	258	16	1	1	100.00%	DETECTED
15.9	2232	448	12	1	1	100.00%	DETECTED
16.3	4065	246	16	1	0	0.00%	NOT DETECTED
17.5	2342	427	12	1	1	100.00%	DETECTED
18.7	2506	399	14	1	0	0.00%	NOT DETECTED
18.8	2141	467	16	1	1	100.00%	DETECTED
19.1	2309	433	16	1	1	100.00%	DETECTED
19.2	3185	314	16	1	1	100.00%	DETECTED
19.3	3650	274	16	1	1	100.00%	DETECTED
19.3	4785	209	12	1	1	100.00%	DETECTED
19.3	3774	265	15	1	1	100.00%	DETECTED
19.5	3876	258	14	1	1	100.00%	DETECTED
19.8	4237	236	14	1	1	100.00%	DETECTED
19.8	2062	485	14	1	1	100.00%	DETECTED
19.8	2618	382	15	1	1	100.00%	DETECTED
<b>Aggregate:</b>				<b>30.00</b>	<b>26.00</b>	<b>86.67%</b>	<b>Pass</b>

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**Equipment Configuration for Radar Type 5**

<b>Variant:</b>	802.11ac 80	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	29 Mbit/s	<b>Antenna Gain (dBi):</b>	6.0
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5530.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Burst Segment	Injections	Detections	Detection Rate	Result
Type 5 #0 5494.80	1	1	100.00%	DETECTED
Type 5 #1 5565.20	1	1	100.00%	DETECTED
Type 5 #2 5563.20	1	1	100.00%	DETECTED
Type 5 #3 5568.00	1	1	100.00%	DETECTED
Type 5 #4 5530.00	1	1	100.00%	DETECTED
Type 5 #5 5530.00	1	1	100.00%	DETECTED
Type 5 #6 5492.00	1	1	100.00%	DETECTED
Type 5 #7 5530.00	1	1	100.00%	DETECTED
Type 5 #8 5493.60	1	1	100.00%	DETECTED
Type 5 #9 5566.00	1	1	100.00%	DETECTED
Type 5 #10 5492.00	1	1	100.00%	DETECTED
Type 5 #11 5530.00	1	1	100.00%	DETECTED
Type 5 #12 5492.00	1	1	100.00%	DETECTED
Type 5 #13 5495.60	1	1	100.00%	DETECTED
Type 5 #14 5530.00	1	1	100.00%	DETECTED
Type 5 #15 5562.40	1	1	100.00%	DETECTED
Type 5 #16 5566.80	1	1	100.00%	DETECTED
Type 5 #17 5492.00	1	1	100.00%	DETECTED
Type 5 #18 5496.80	1	1	100.00%	DETECTED
Type 5 #19 5530.00	1	1	100.00%	DETECTED
Type 5 #20 5530.00	1	1	100.00%	DETECTED
Type 5 #21 5567.20	1	1	100.00%	DETECTED
Type 5 #22 5495.20	1	1	100.00%	DETECTED
Type 5 #23 5530.00	1	1	100.00%	DETECTED
Type 5 #24 5530.00	1	1	100.00%	DETECTED
Type 5 #25 5564.40	1	1	100.00%	DETECTED
Type 5 #26 5530.00	1	1	100.00%	DETECTED
Type 5 #27 5563.60	1	1	100.00%	DETECTED
Type 5 #28 5565.20	1	1	100.00%	DETECTED
Type 5 #29 5492.80	1	1	100.00%	DETECTED
<b>Aggregate:</b>	<b>30.00</b>	<b>30.00</b>	<b>100.00%</b>	<b>Pass</b>

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**Equipment Configuration for Radar Type 6**

<b>Variant:</b>	802.11ac 80	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	29 Mbit/s	<b>Antenna Gain (dBi):</b>	6.0
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5530.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Burst Segment	Detections	Injection #	Detection Rate	Pass/Fail
Type 6 #1	1	1	100.00%	DETECTED
Type 6 #2	1	1	100.00%	DETECTED
Type 6 #3	1	1	100.00%	DETECTED
Type 6 #4	1	1	100.00%	DETECTED
Type 6 #5	1	1	100.00%	DETECTED
Type 6 #6	1	1	100.00%	DETECTED
Type 6 #7	1	1	100.00%	DETECTED
Type 6 #8	1	1	100.00%	DETECTED
Type 6 #9	1	1	100.00%	DETECTED
Type 6 #10	1	1	100.00%	DETECTED
Type 6 #11	1	1	100.00%	DETECTED
Type 6 #12	1	1	100.00%	DETECTED
Type 6 #13	1	1	100.00%	DETECTED
Type 6 #14	1	1	100.00%	DETECTED
Type 6 #15	1	1	100.00%	DETECTED
Type 6 #16	1	1	100.00%	DETECTED
Type 6 #17	1	1	100.00%	DETECTED
Type 6 #18	1	1	100.00%	DETECTED
Type 6 #19	1	1	100.00%	DETECTED
Type 6 #20	1	1	100.00%	DETECTED
Type 6 #21	1	1	100.00%	DETECTED
Type 6 #22	1	1	100.00%	DETECTED
Type 6 #23	1	1	100.00%	DETECTED
Type 6 #24	1	1	100.00%	DETECTED
Type 6 #25	1	1	100.00%	DETECTED
Type 6 #26	1	1	100.00%	DETECTED
Type 6 #27	1	1	100.00%	DETECTED
Type 6 #28	1	1	100.00%	DETECTED
Type 6 #29	1	1	100.00%	DETECTED
Type 6 #30	1	1	100.00%	DETECTED
<b>Aggregate:</b>	<b>30.00</b>	<b>30.00</b>	<b>100.00%</b>	<b>Pass</b>

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**Equipment Configuration for Probability of Detection**

<b>Variant:</b>	802.11n HT40	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	18 Mbit/s	<b>Antenna Gain (dBi):</b>	6.0
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5510.00 MHz	<b>Tested By:</b>	SB
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1	700	1428	18	30	30	100.00%	See Agg.
<b>Aggregate:</b>				<b>30.00</b>	<b>30.00</b>	<b>100.00%</b>	<b>Pass</b>

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**Equipment Configuration for Radar Type 1**

<b>Variant:</b>	802.11n HT40	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	18 Mbit/s	<b>Antenna Gain (dBi):</b>	6.0
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5510.00 MHz	<b>Tested By:</b>	SB
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1	1792	558	95	1	1	100.00%	DETECTED
1	326	3066	18	1	1	100.00%	DETECTED
1	1193	838	63	1	1	100.00%	DETECTED
1	1730	578	92	1	1	100.00%	DETECTED
1	1114	898	59	1	1	100.00%	DETECTED
1	1139	878	61	1	1	100.00%	DETECTED
1	1931	518	102	1	1	100.00%	DETECTED
1	1253	798	67	1	1	100.00%	DETECTED
1	1859	538	99	1	1	100.00%	DETECTED
1	1066	938	57	1	1	100.00%	DETECTED
1	1319	758	70	1	1	100.00%	DETECTED
1	1222	818	65	1	1	100.00%	DETECTED
1	1433	698	76	1	1	100.00%	DETECTED
1	1355	738	72	1	0	0.00%	NOT DETECTED
1	1520	658	81	1	1	100.00%	DETECTED
1	436	2291	24	1	1	100.00%	DETECTED
1	344	2907	19	1	1	100.00%	DETECTED
1	481	2078	26	1	1	100.00%	DETECTED
1	812	1231	43	1	1	100.00%	DETECTED
1	471	2121	25	1	1	100.00%	DETECTED
1	495	2021	27	1	1	100.00%	DETECTED
1	527	1897	28	1	1	100.00%	DETECTED
1	500	2001	27	1	1	100.00%	DETECTED
1	433	2307	23	1	1	100.00%	DETECTED
1	987	1013	53	1	1	100.00%	DETECTED
1	897	1115	48	1	1	100.00%	DETECTED
1	484	2066	26	1	1	100.00%	DETECTED
1	436	2294	24	1	1	100.00%	DETECTED
1	394	2541	21	1	1	100.00%	DETECTED
1	448	2232	24	1	0	0.00%	NOT DETECTED
<b>Aggregate:</b>				<b>30.00</b>	<b>28.00</b>	<b>93.33%</b>	<b>Pass</b>

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**Equipment Configuration for Radar Type 2**

<b>Variant:</b>	802.11n HT40	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	18 Mbit/s	<b>Antenna Gain (dBi):</b>	6.0
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5510.00 MHz	<b>Tested By:</b>	SB
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1.3	5155	194	27	1	1	100.00%	DETECTED
1.4	6410	156	23	1	1	100.00%	DETECTED
1.6	4673	214	29	1	1	100.00%	DETECTED
1.6	4854	206	23	1	1	100.00%	DETECTED
2.3	6667	150	23	1	1	100.00%	DETECTED
2.3	6410	156	27	1	1	100.00%	DETECTED
2.4	5263	190	26	1	1	100.00%	DETECTED
2.5	5236	191	23	1	0	0.00%	NOT DETECTED
2.5	5376	186	28	1	1	100.00%	DETECTED
2.5	5917	169	29	1	1	100.00%	DETECTED
2.5	5780	173	29	1	1	100.00%	DETECTED
2.7	6623	151	23	1	1	100.00%	DETECTED
3	4975	201	27	1	1	100.00%	DETECTED
3.1	4608	217	27	1	0	0.00%	NOT DETECTED
3.3	5000	200	23	1	1	100.00%	DETECTED
3.3	4405	227	26	1	1	100.00%	DETECTED
3.6	5051	198	29	1	1	100.00%	DETECTED
3.6	4785	209	27	1	1	100.00%	DETECTED
3.6	4545	220	25	1	0	0.00%	NOT DETECTED
3.6	6369	157	24	1	1	100.00%	DETECTED
3.7	6579	152	26	1	1	100.00%	DETECTED
4	4348	230	24	1	1	100.00%	DETECTED
4.2	4348	230	25	1	1	100.00%	DETECTED
4.3	5128	195	23	1	0	0.00%	NOT DETECTED
4.3	5780	173	26	1	0	0.00%	NOT DETECTED
4.4	4975	201	24	1	1	100.00%	DETECTED
4.7	5747	174	27	1	1	100.00%	DETECTED
4.7	4975	201	24	1	1	100.00%	DETECTED
4.7	4651	215	26	1	1	100.00%	DETECTED
4.9	5917	169	27	1	1	100.00%	DETECTED
<b>Aggregate:</b>				<b>30.00</b>	<b>25.00</b>	<b>83.33%</b>	<b>Pass</b>

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**Equipment Configuration for Radar Type 3**

<b>Variant:</b>	802.11n HT40	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	18 Mbit/s	<b>Antenna Gain (dBi):</b>	6.0
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5510.00 MHz	<b>Tested By:</b>	SB
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
10	3300	303	17	1	1	100.00%	DETECTED
10	2273	440	17	1	1	100.00%	DETECTED
6.3	3185	314	17	1	1	100.00%	DETECTED
6.3	2849	351	18	1	1	100.00%	DETECTED
6.3	2358	424	16	1	1	100.00%	DETECTED
6.5	4237	236	17	1	0	0.00%	NOT DETECTED
6.6	4329	231	16	1	1	100.00%	DETECTED
6.8	2370	422	18	1	1	100.00%	DETECTED
7.1	2222	450	17	1	1	100.00%	DETECTED
7.4	3247	308	16	1	1	100.00%	DETECTED
7.5	3906	256	16	1	1	100.00%	DETECTED
7.7	4329	231	18	1	1	100.00%	DETECTED
7.7	2092	478	16	1	1	100.00%	DETECTED
7.8	4032	248	16	1	1	100.00%	DETECTED
7.8	2053	487	18	1	0	0.00%	NOT DETECTED
7.9	2732	366	18	1	0	0.00%	NOT DETECTED
8.1	2381	420	16	1	1	100.00%	DETECTED
8.2	4695	213	17	1	1	100.00%	DETECTED
8.2	2247	445	16	1	1	100.00%	DETECTED
8.2	3185	314	16	1	1	100.00%	DETECTED
8.4	3185	314	18	1	1	100.00%	DETECTED
8.4	2410	415	18	1	1	100.00%	DETECTED
8.8	4673	214	18	1	0	0.00%	NOT DETECTED
8.8	2114	473	17	1	1	100.00%	DETECTED
9.1	2101	476	16	1	0	0.00%	NOT DETECTED
9.3	5000	200	18	1	1	100.00%	DETECTED
9.5	2174	460	18	1	1	100.00%	DETECTED
9.5	2463	406	18	1	1	100.00%	DETECTED
9.9	2203	454	16	1	1	100.00%	DETECTED
9.9	3968	252	16	1	1	100.00%	DETECTED
<b>Aggregate:</b>				<b>30.00</b>	<b>25.00</b>	<b>83.33%</b>	<b>Pass</b>

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**Equipment Configuration for Radar Type 4**

<b>Variant:</b>	802.11n HT40	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	18 Mbit/s	<b>Antenna Gain (dBi):</b>	6.0
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5510.00 MHz	<b>Tested By:</b>	SB
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
11.3	2625	381	15	1	1	100.00%	DETECTED
12.5	2519	397	13	1	1	100.00%	DETECTED
12.5	2119	472	16	1	1	100.00%	DETECTED
12.5	3584	279	13	1	1	100.00%	DETECTED
12.5	3012	332	14	1	1	100.00%	DETECTED
12.5	2008	498	12	1	0	0.00%	NOT DETECTED
12.8	3788	264	15	1	1	100.00%	DETECTED
12.8	4651	215	16	1	1	100.00%	DETECTED
13	2985	335	12	1	1	100.00%	DETECTED
13.2	2128	470	14	1	1	100.00%	DETECTED
13.8	3509	285	15	1	1	100.00%	DETECTED
13.9	2433	411	12	1	1	100.00%	DETECTED
13.9	3861	259	14	1	1	100.00%	DETECTED
14.3	3067	326	12	1	0	0.00%	NOT DETECTED
15.2	3322	301	16	1	1	100.00%	DETECTED
15.3	3876	258	16	1	1	100.00%	DETECTED
15.9	2232	448	12	1	1	100.00%	DETECTED
16.3	4065	246	16	1	1	100.00%	DETECTED
17.5	2342	427	12	1	0	0.00%	NOT DETECTED
18.7	2506	399	14	1	1	100.00%	DETECTED
18.8	2141	467	16	1	1	100.00%	DETECTED
19.1	2309	433	16	1	1	100.00%	DETECTED
19.2	3185	314	16	1	1	100.00%	DETECTED
19.3	3650	274	16	1	1	100.00%	DETECTED
19.3	4785	209	12	1	1	100.00%	DETECTED
19.3	3774	265	15	1	1	100.00%	DETECTED
19.5	3876	258	14	1	1	100.00%	DETECTED
19.8	4237	236	14	1	0	0.00%	NOT DETECTED
19.8	2062	485	14	1	0	0.00%	NOT DETECTED
19.8	2618	382	15	1	1	100.00%	DETECTED
<b>Aggregate:</b>				<b>30.00</b>	<b>25.00</b>	<b>83.33%</b>	<b>Pass</b>

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**Equipment Configuration for Radar Type 5**

<b>Variant:</b>	802.11n HT40	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	16 Mbit/s	<b>Antenna Gain (dBi):</b>	6.0
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5510.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Burst Segment	Injections	Detections	Detection Rate	Result
Type 5 #0 5510.00	1	1	100.00%	DETECTED
Type 5 #1 5510.00	1	1	100.00%	DETECTED
Type 5 #2 5498.80	1	1	100.00%	DETECTED
Type 5 #3 5510.00	1	1	100.00%	DETECTED
Type 5 #4 5495.20	1	1	100.00%	DETECTED
Type 5 #5 5499.20	1	1	100.00%	DETECTED
Type 5 #6 5494.00	1	1	100.00%	DETECTED
Type 5 #7 5495.20	1	1	100.00%	DETECTED
Type 5 #8 5510.00	1	1	100.00%	DETECTED
Type 5 #9 5496.00	1	1	100.00%	DETECTED
Type 5 #10 5526.00	1	1	100.00%	DETECTED
Type 5 #11 5494.80	1	1	100.00%	DETECTED
Type 5 #12 5526.00	1	1	100.00%	DETECTED
Type 5 #13 5510.00	1	1	100.00%	DETECTED
Type 5 #14 5510.00	1	1	100.00%	DETECTED
Type 5 #15 5510.00	1	1	100.00%	DETECTED
Type 5 #16 5495.20	1	1	100.00%	DETECTED
Type 5 #17 5526.00	1	1	100.00%	DETECTED
Type 5 #18 5498.80	1	1	100.00%	DETECTED
Type 5 #19 5510.00	1	1	100.00%	DETECTED
Type 5 #20 5525.60	1	1	100.00%	DETECTED
Type 5 #21 5510.00	1	1	100.00%	DETECTED
Type 5 #22 5522.80	1	1	100.00%	DETECTED
Type 5 #23 5523.20	1	1	100.00%	DETECTED
Type 5 #24 5494.80	1	1	100.00%	DETECTED
Type 5 #25 5510.00	1	1	100.00%	DETECTED
Type 5 #26 5524.80	1	1	100.00%	DETECTED
Type 5 #27 5521.60	1	1	100.00%	DETECTED
Type 5 #28 5523.20	1	1	100.00%	DETECTED
Type 5 #29 5525.20	1	1	100.00%	DETECTED
<b>Aggregate:</b>	<b>30.00</b>	<b>30.00</b>	<b>100.00%</b>	<b>Pass</b>

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**Equipment Configuration for Radar Type 6**

<b>Variant:</b>	802.11n HT40	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	16 Mbit/s	<b>Antenna Gain (dBi):</b>	6.0
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5510.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Burst Segment	Detections	Injection #	Detection Rate	Pass/Fail
Type 6 #1	1	1	100.00%	DETECTED
Type 6 #2	1	1	100.00%	DETECTED
Type 6 #3	1	1	100.00%	DETECTED
Type 6 #4	1	1	100.00%	DETECTED
Type 6 #5	1	1	100.00%	DETECTED
Type 6 #6	1	1	100.00%	DETECTED
Type 6 #7	1	1	100.00%	DETECTED
Type 6 #8	1	1	100.00%	DETECTED
Type 6 #9	1	1	100.00%	DETECTED
Type 6 #10	1	1	100.00%	DETECTED
Type 6 #11	1	1	100.00%	DETECTED
Type 6 #12	1	1	100.00%	DETECTED
Type 6 #13	1	1	100.00%	DETECTED
Type 6 #14	1	1	100.00%	DETECTED
Type 6 #15	1	1	100.00%	DETECTED
Type 6 #16	1	1	100.00%	DETECTED
Type 6 #17	1	1	100.00%	DETECTED
Type 6 #18	1	1	100.00%	DETECTED
Type 6 #19	1	1	100.00%	DETECTED
Type 6 #20	1	1	100.00%	DETECTED
Type 6 #21	1	1	100.00%	DETECTED
Type 6 #22	1	1	100.00%	DETECTED
Type 6 #23	1	1	100.00%	DETECTED
Type 6 #24	1	1	100.00%	DETECTED
Type 6 #25	1	1	100.00%	DETECTED
Type 6 #26	1	1	100.00%	DETECTED
Type 6 #27	1	1	100.00%	DETECTED
Type 6 #28	1	1	100.00%	DETECTED
Type 6 #29	1	1	100.00%	DETECTED
Type 6 #30	1	1	100.00%	DETECTED
<b>Aggregate:</b>	<b>30.00</b>	<b>30.00</b>	<b>100.00%</b>	<b>Pass</b>

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#### **9.1.5. Detection Bandwidth**

To determine the equipment Detection Bandwidth for each applicable operational mode a single burst of the short pulse radar Type 0 was produced at the appropriate power level. The EUT was set up as a standalone device (no associated Client or Master, as appropriate) and no traffic. Frame based systems will be set to a talk/listen ratio reflecting the worst case (maximum) that is user configurable during this test.

To determine the actual receiver bandwidth a single radar burst is generated for a minimum of 10 trials and the response of the EUT noted. The EUT must detect the Radar Waveform until it fails to detect, at this point testing is stopped and the frequency noted.

Starting from the actual channel center frequency the radar frequency is increased in 5 MHz steps, repeating the above test sequence, until the detection rate falls below 90%. At this point the previous 5 MHz is tested as described using a 1 MHz interval. The highest frequency at which detection is greater than or equal to 90% is denoted as FH.

The radar frequency is decreased in 1 MHz steps, repeating the above test sequence, until the detection rate falls below 90%. The lowest frequency at which detection is greater than or equal to 90% is denoted as FL.

The U-NII Detection Bandwidth is calculated as follows:  
U-NII Detection Bandwidth = FH – FL

The U-NII Detection Bandwidth must meet the U-NII Detection Bandwidth criterion specified. Otherwise, the UUT does not comply with DFS requirements. This is essential to ensure that the UUT is capable of detecting Radar Waveforms across the same frequency spectrum that contains the significant energy from the system. In the case that the U-NII Detection Bandwidth is greater than or equal to the 99% power bandwidth for the measured FH and FL, the test can be truncated and the U-NII Detection Bandwidth can be reported as the measured FH and FL

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**Equipment Configuration for Detection Bandwidth**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	6 Mbit/s	<b>Antenna Gain (dBi):</b>	6.0
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5500.00 MHz	<b>Tested By:</b>	SB
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Frequency	Injections	Detections	Detection Rate	Result
5490 MHz	3	0		
5491 MHz	10	10	100.00%	Pass
5492 MHz	10	10	100.00%	Pass
5493 MHz	10	10	100.00%	Pass
5494 MHz	10	10	100.00%	Pass
5495 MHz	10	9	90.00%	Pass
5500	10	10	100.00%	Pass
5505 MHz	10	10	100.00%	Pass
5506 MHz	10	10	100.00%	Pass
5507 MHz	10	10	100.00%	Pass
5508 MHz	10	10	100.00%	Pass
5509 MHz	10	10	100.00%	Pass
5510 MHz	3	0		

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**Equipment Configuration for Detection Bandwidth**

<b>Variant:</b>	802.11ac 80	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	29 Mbit/s	<b>Antenna Gain (dBi):</b>	6.0
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5530.00 MHz	<b>Tested By:</b>	SB
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Frequency	Injections	Detections	Detection Rate	Result
5485 MHz	10	0		
5486 MHz	10	0		
5487 MHz	10	3	33.33%	Fail
5488 MHz	10	10	100.00%	Pass
5489 MHz	10	10	100.00%	Pass
5490 MHz	10	10	100.00%	Pass
5495 MHz	10	10	100.00%	Pass
5500 MHz	10	10	100.00%	Pass
5505 MHz	10	10	100.00%	Pass
5510 MHz	10	10	100.00%	Pass
5515 MHz	10	10	100.00%	Pass
5520 MHz	10	10	100.00%	Pass
5525 MHz	10	10	100.00%	Pass
5530	10	10	100.00%	Pass
5535 MHz	10	10	100.00%	Pass
5540 MHz	10	10	100.00%	Pass
5545 MHz	10	10	100.00%	Pass
5550 MHz	10	10	100.00%	Pass
5555 MHz	10	10	100.00%	Pass
5560 MHz	10	10	100.00%	Pass
5565 MHz	10	10	100.00%	Pass
5570 MHz	10	10	100.00%	Pass
5571 MHz	10	10	100.00%	Pass
5572 MHz	10	1	10.00%	Fail
5573 MHz	10	1	10.00%	Fail
5574 MHz	10	0		
5575 MHz	10	0		

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**Equipment Configuration for Detection Bandwidth**

<b>Variant:</b>	802.11n HT40	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	18 Mbit/s	<b>Antenna Gain (dBi):</b>	3.30
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5510.00 MHz	<b>Tested By:</b>	SB
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Frequency	Injections	Detections	Detection Rate	Result
5490 MHz	3	1	33.33%	Fail
5491 MHz	10	10	100.00%	Pass
5492 MHz	10	10	100.00%	Pass
5493 MHz	10	10	100.00%	Pass
5494 MHz	10	10	100.00%	Pass
5495 MHz	10	10	100.00%	Pass
5500 MHz	10	10	100.00%	Pass
5505 MHz	10	10	100.00%	Pass
5510	10	10	100.00%	Pass
5515 MHz	10	10	100.00%	Pass
5520 MHz	10	10	100.00%	Pass
5525 MHz	10	10	100.00%	Pass
5526 MHz	10	10	100.00%	Pass
5527 MHz	10	10	100.00%	Pass
5528 MHz	10	10	100.00%	Pass
5529 MHz	10	10	100.00%	Pass
5530 MHz	10	10	100.00%	Pass
5531 MHz	10	0		

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## **A. APPENDIX – RADAR INFORMATION**

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	12	121445	76	1734	0	676669	800000
2	2	15	331783	90	1216	0	466821	800000
3	2	17	233285	90	1059	0	565476	800000
4	1	11	125732	73	0	0	674195	800000
5	1	5	394992	68	0	0	404940	800000
6	1	9	541617	64	0	0	258319	800000
7	1	7	781004	61	0	0	18935	800000
8	2	10	193895	62	1203	0	604778	800000
9	3	12	386106	82	1505	1110	411033	800000
10	2	11	352649	74	1064	0	446139	800000
11	2	5	417841	81	1598	0	380399	800000
12	1	8	235844	71	0	0	564085	800000
13	1	13	718330	73	0	0	81597	800000
14	3	12	755359	77	1091	1362	41957	800000
15	2	19	241829	69	980	0	557053	800000

Type 5 #1 5503.20 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	5	14434	79	1802	1409	648784	666666
2	2	18	419481	57	1275	0	245796	666666
3	1	12	333201	73	0	0	333392	666666
4	3	20	71171	56	1161	1192	592974	666666
5	2	15	258340	84	946	0	407212	666666
6	1	14	34675	74	0	0	631917	666666
7	2	16	375849	79	1762	0	288897	666666
8	2	10	2166	70	1737	0	662623	666666
9	3	6	162429	69	1506	1845	500679	666666
10	3	12	605754	100	1622	1165	57825	666666
11	3	16	243120	52	1363	1839	420188	666666
12	3	20	505047	55	1048	1507	158899	666666
13	3	12	6962	52	1566	1836	656146	666666
14	2	7	248642	88	1126	0	416722	666666
15	3	6	449792	73	1660	1713	213282	666666
16	1	18	524448	51	0	0	142167	666666
17	2	15	100269	88	1021	0	565200	666666
18	2	13	9568	52	1654	0	655340	666666

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	16	60871	66	1795	1692	602110	666666
2	1	9	333869	72	0	0	332725	666666
3	3	15	521183	81	1917	1876	141447	666666
4	2	11	48690	53	1890	0	615980	666666
5	3	10	337512	99	1210	1721	325926	666666
6	3	11	132847	71	1183	1387	531036	666666
7	2	7	580688	97	1304	0	84480	666666
8	1	20	395473	79	0	0	271114	666666
9	2	17	656539	64	1064	0	8935	666666
10	1	17	271379	59	0	0	395228	666666
11	2	6	75211	64	1634	0	589693	666666
12	2	13	387551	69	1869	0	277108	666666
13	2	19	193008	51	1195	0	472361	666666
14	2	6	256532	53	1771	0	408257	666666
15	3	18	87181	51	1944	1429	575959	666666
16	3	7	360096	76	1758	1320	303264	666666
17	2	17	85129	99	1075	0	580264	666666
18	3	17	60195	91	929	1230	604039	666666

Type 5 #3 5500.00 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	15	763718	78	961	0	735165	1500000
2	3	5	968280	96	1275	1330	528827	1500000
3	2	6	1471207	72	1146	0	27503	1500000
4	2	10	279680	93	1011	0	1219123	1500000
5	3	20	432741	71	1366	1045	1064635	1500000
6	1	5	547703	63	0	0	952234	1500000
7	2	18	1366393	98	1310	0	132101	1500000
8	2	5	1386170	83	1387	0	112277	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	10	399029	58	0	0	600913	1000000
2	3	15	164348	52	1777	1068	832651	1000000
3	3	18	705758	100	1667	1042	291233	1000000
4	2	11	774824	70	1665	0	223371	1000000
5	1	8	464590	53	0	0	535357	1000000
6	2	9	14189	84	1415	0	984228	1000000
7	3	7	250889	95	1734	1552	745540	1000000
8	2	11	486528	51	1188	0	512182	1000000
9	2	8	957107	96	1392	0	41309	1000000
10	1	17	774213	82	0	0	225705	1000000
11	1	5	190169	81	0	0	809750	1000000
12	2	6	933306	92	1028	0	65482	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	10	430889	69	1036	0	901270	1333333
2	1	20	159762	91	0	0	1173480	1333333
3	3	14	329754	54	949	1129	1001339	1333333
4	2	18	673747	70	1650	0	657796	1333333
5	2	13	1289154	51	1674	0	42403	1333333
6	1	20	330309	93	0	0	1002931	1333333
7	3	12	1142133	57	1046	1225	188758	1333333
8	1	18	1169095	55	0	0	164183	1333333
9	2	5	1169420	57	1465	0	162334	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	18	178664	81	1862	0	569312	750000
2	2	11	379438	62	1366	0	369072	750000
3	2	14	77083	93	1044	0	671687	750000
4	1	16	236238	91	0	0	513671	750000
5	3	12	105207	80	1641	1245	641667	750000
6	1	20	211148	80	0	0	538772	750000
7	2	13	34327	79	1580	0	713935	750000
8	2	20	6655	80	966	0	742219	750000
9	2	6	579856	95	1581	0	168373	750000
10	2	13	579088	63	1614	0	169172	750000
11	1	9	155090	66	0	0	594844	750000
12	1	5	672362	53	0	0	77585	750000
13	2	5	200401	90	1748	0	547671	750000
14	1	19	635257	53	0	0	114690	750000
15	1	15	375117	78	0	0	374805	750000
16	1	16	707040	89	0	0	42871	750000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	20	552339	90	1730	0	77329	631578
2	3	8	180676	96	942	927	448745	631578
3	1	20	293344	77	0	0	338157	631578
4	3	8	389704	72	936	1462	239260	631578
5	3	18	592097	80	1578	999	36664	631578
6	1	5	353233	63	0	0	278282	631578
7	2	9	149149	63	1503	0	480800	631578
8	3	19	36388	86	1176	1834	591922	631578
9	1	15	346053	52	0	0	285473	631578
10	2	7	475689	80	1714	0	154015	631578
11	2	11	338772	86	1158	0	291476	631578
12	1	7	503788	55	0	0	127735	631578
13	3	19	459748	95	907	1369	169269	631578
14	1	11	143831	63	0	0	487684	631578
15	3	10	352810	87	1659	1528	275320	631578
16	3	8	221608	78	1032	1350	407354	631578
17	3	9	537861	74	957	1759	90779	631578
18	1	5	534549	51	0	0	96978	631578
19	2	12	76695	56	971	0	553800	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	13	248572	96	1285	0	1083284	1333333
2	3	5	1055715	51	1156	1927	274382	1333333
3	3	15	492080	82	1825	969	838213	1333333
4	2	12	575671	52	1669	0	755889	1333333
5	3	9	1210246	59	1315	1115	120480	1333333
6	1	9	783215	59	0	0	550059	1333333
7	2	20	795624	91	1191	0	536336	1333333
8	1	19	588742	58	0	0	744533	1333333
9	1	18	82503	92	0	0	1250738	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	20	755568	71	1435	0	242855	1000000
2	1	15	356791	99	0	0	643110	1000000
3	1	10	128304	50	0	0	871646	1000000
4	3	7	696170	90	1760	924	300876	1000000
5	1	18	666219	62	0	0	333719	1000000
6	2	10	174790	73	1205	0	823859	1000000
7	1	14	42041	73	0	0	957886	1000000
8	1	20	751338	96	0	0	248566	1000000
9	3	11	772692	84	1173	1530	224353	1000000
10	2	9	917078	91	1173	0	81567	1000000
11	2	10	808572	54	1353	0	189967	1000000
12	1	6	554690	93	0	0	445217	1000000

Type 5 #10 5506.00 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	11	525047	52	0	0	180783	705882
2	3	19	151431	83	1463	1892	550847	705882
3	1	5	111973	91	0	0	593818	705882
4	1	12	417769	79	0	0	288034	705882
5	2	18	134010	68	1291	0	570445	705882
6	2	6	39655	97	1605	0	664428	705882
7	3	9	699116	95	1732	1340	3409	705882
8	2	5	574931	81	1432	0	129357	705882
9	1	9	205046	78	0	0	500758	705882
10	1	13	42283	86	0	0	663513	705882
11	1	8	505546	61	0	0	200275	705882
12	1	7	635761	81	0	0	70040	705882
13	3	5	665714	93	1726	1624	36539	705882
14	3	6	272586	88	1866	1295	429871	705882
15	1	14	404945	75	0	0	300862	705882
16	3	10	48361	89	1717	1502	654035	705882
17	1	11	15034	85	0	0	690763	705882

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	7	200309	78	1921	1125	596411	800000
2	1	17	779798	85	0	0	20117	800000
3	3	7	159540	55	1674	1463	637158	800000
4	1	7	16914	66	0	0	783020	800000
5	2	15	389587	83	1705	0	408542	800000
6	1	9	709154	69	0	0	90777	800000
7	3	11	5016	66	1630	1334	791822	800000
8	1	20	144376	97	0	0	655527	800000
9	1	17	647324	98	0	0	152578	800000
10	2	15	61981	61	1105	0	736792	800000
11	1	5	297316	94	0	0	502590	800000
12	1	19	135521	50	0	0	664429	800000
13	3	13	624215	69	1854	1805	171919	800000
14	3	15	619325	51	1220	1353	177949	800000
15	3	9	4229	67	1072	1077	793421	800000

Type 5 #12 5494.00 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	5	171676	93	1462	1719	1324864	1500000
2	1	5	1008690	62	0	0	491248	1500000
3	3	16	409194	58	1445	1779	1087408	1500000
4	2	9	240274	72	1191	0	1258391	1500000
5	3	20	582556	89	1873	1183	914121	1500000
6	2	14	340397	87	1821	0	1157608	1500000
7	1	5	476366	97	0	0	1023537	1500000
8	3	16	817110	92	1716	1482	679416	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	6	181879	84	1625	0	482994	666666
2	3	16	492332	53	1642	1833	170700	666666
3	3	6	358444	93	1011	1500	305432	666666
4	3	13	486245	98	1330	1667	177130	666666
5	3	12	475475	89	1430	1337	188157	666666
6	3	16	271897	72	1542	1122	391889	666666
7	1	14	77108	93	0	0	589465	666666
8	2	18	226984	84	1128	0	438386	666666
9	2	8	494503	50	1189	0	170874	666666
10	1	6	419602	58	0	0	247006	666666
11	1	14	633094	68	0	0	33504	666666
12	1	18	243931	97	0	0	422638	666666
13	2	20	35734	51	1384	0	629446	666666
14	1	15	553838	83	0	0	112745	666666
15	3	14	380642	99	1375	1734	282618	666666
16	2	11	173915	69	1696	0	490917	666666
17	1	12	392317	84	0	0	274265	666666
18	2	14	539260	53	1774	0	125526	666666

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	9	831848	81	1023	951	165935	1000000
2	1	12	704774	96	0	0	295130	1000000
3	2	19	181579	79	1421	0	816842	1000000
4	2	8	45936	57	1737	0	952213	1000000
5	2	7	85497	88	1470	0	912857	1000000
6	3	10	728253	77	989	1918	268609	1000000
7	3	13	313140	93	960	1256	684365	1000000
8	2	16	485194	90	1197	0	513429	1000000
9	3	16	981014	53	1658	1718	15451	1000000
10	2	19	32847	95	1266	0	965697	1000000
11	3	19	18593	89	1366	1649	978125	1000000
12	1	19	839786	65	0	0	160149	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	16	765929	85	1320	1361	154211	923076
2	1	11	49586	90	0	0	873400	923076
3	3	17	345302	53	1058	1773	574784	923076
4	1	20	156233	78	0	0	766765	923076
5	1	17	85538	68	0	0	837470	923076
6	3	19	664118	57	1519	1294	255974	923076
7	2	15	79148	69	1438	0	842352	923076
8	1	10	496559	100	0	0	426417	923076
9	2	6	901855	87	1864	0	19183	923076
10	1	6	317478	85	0	0	605513	923076
11	3	19	616455	82	1664	1871	302840	923076
12	2	19	611014	80	1540	0	310362	923076
13	1	14	400575	97	0	0	522404	923076

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	11	19091	69	1225	0	729546	750000
2	3	18	321887	69	944	1309	425653	750000
3	3	18	16853	71	1015	977	730942	750000
4	2	16	520889	83	1746	0	227199	750000
5	2	7	110678	99	1382	0	637742	750000
6	2	8	117265	85	1551	0	631014	750000
7	3	10	613569	63	1567	1204	133471	750000
8	1	9	56165	56	0	0	693779	750000
9	3	8	49938	79	1317	1107	697401	750000
10	2	9	686627	81	1307	0	61904	750000
11	3	19	115397	93	1855	1358	631111	750000
12	2	20	587323	82	1034	0	161479	750000
13	3	9	340776	63	1093	1393	406549	750000
14	3	8	562724	60	1481	1382	184233	750000
15	3	16	60543	93	1650	1201	686327	750000
16	3	20	716644	54	1194	1185	30815	750000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	18	712898	84	1583	0	208427	923076
2	2	20	766706	63	1886	0	154358	923076
3	3	5	767779	55	1556	1022	152554	923076
4	1	11	262536	57	0	0	660483	923076
5	1	6	660009	98	0	0	262969	923076
6	2	13	26302	62	1091	0	895559	923076
7	3	5	2621	75	1253	1680	917297	923076
8	3	13	159889	99	1359	957	760574	923076
9	3	5	242785	50	1720	1584	676837	923076
10	2	9	84143	89	1769	0	836986	923076
11	3	9	93750	84	1418	1505	826151	923076
12	1	19	106061	76	0	0	816939	923076
13	3	10	252982	55	1877	1727	666325	923076

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	13	558797	94	0	0	241109	800000
2	1	10	748829	55	0	0	51116	800000
3	1	17	789110	98	0	0	10792	800000
4	1	17	786946	69	0	0	12985	800000
5	2	15	400180	58	1403	0	398301	800000
6	1	9	747626	93	0	0	52281	800000
7	1	18	726669	52	0	0	73279	800000
8	3	18	369497	92	1897	1770	426560	800000
9	2	11	449985	65	1478	0	348407	800000
10	3	13	427947	78	1078	1400	369341	800000
11	3	7	605561	87	1036	1848	191294	800000
12	1	6	94790	91	0	0	705119	800000
13	1	17	151644	63	0	0	648293	800000
14	1	5	310558	72	0	0	489370	800000
15	1	20	181214	97	0	0	618689	800000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	5	56550	84	1545	0	573315	631578
2	2	15	504571	97	1609	0	125204	631578
3	2	10	494595	64	1646	0	135209	631578
4	3	16	217280	53	1121	1702	411316	631578
5	2	15	322450	51	1302	0	307724	631578
6	2	7	348238	77	971	0	282215	631578
7	2	17	281113	81	1682	0	348621	631578
8	3	5	282966	56	1279	1115	346050	631578
9	1	10	565820	73	0	0	65685	631578
10	3	8	126864	87	1552	943	501958	631578
11	3	14	239937	74	944	1567	388908	631578
12	1	20	251170	79	0	0	380329	631578
13	2	8	430047	83	1776	0	199589	631578
14	2	10	596318	98	1727	0	33337	631578
15	3	14	355151	92	1804	978	273369	631578
16	1	17	501811	73	0	0	129694	631578
17	1	5	221414	74	0	0	410090	631578
18	3	8	340882	57	1688	1748	287089	631578
19	3	11	405497	73	1701	1837	222324	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	8	1082494	60	1733	0	115653	1200000
2	3	13	812800	54	1931	1834	383273	1200000
3	3	6	180415	53	1767	1737	1015922	1200000
4	1	15	1077815	52	0	0	122133	1200000
5	1	9	242686	77	0	0	957237	1200000
6	2	6	537809	64	1160	0	660903	1200000
7	3	11	291985	100	1243	1656	904816	1200000
8	2	11	1120326	50	1625	0	77949	1200000
9	3	9	872350	87	1467	1710	324212	1200000
10	2	15	804738	51	1188	0	393972	1200000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	10	422519	66	0	0	208993	631578
2	3	10	183244	80	1453	1911	444730	631578
3	2	16	461586	53	1470	0	168416	631578
4	2	8	447709	79	1069	0	182642	631578
5	2	6	184350	85	1327	0	445731	631578
6	3	17	347977	70	1788	987	280616	631578
7	1	7	264178	57	0	0	367343	631578
8	1	14	423616	69	0	0	207893	631578
9	2	7	341398	51	1894	0	288184	631578
10	1	18	173145	58	0	0	458375	631578
11	3	12	604490	53	1415	1037	24477	631578
12	2	9	237016	65	1887	0	392545	631578
13	1	14	426317	59	0	0	205202	631578
14	3	10	65508	87	1852	1478	562479	631578
15	3	5	432207	99	1433	1637	196004	631578
16	1	13	136993	88	0	0	494497	631578
17	1	7	510432	94	0	0	121052	631578
18	3	6	406736	80	1038	1097	222467	631578
19	1	12	125310	88	0	0	506180	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	12	9627	73	0	0	847442	857142
2	3	8	242536	94	1201	1076	612047	857142
3	1	19	303965	73	0	0	553104	857142
4	1	13	631940	62	0	0	225140	857142
5	3	9	750194	63	990	1694	104075	857142
6	2	8	785904	83	1678	0	69394	857142
7	3	13	434346	98	1704	945	419853	857142
8	1	16	615241	89	0	0	241812	857142
9	2	14	448493	95	1867	0	406592	857142
10	3	7	341303	57	1707	1848	512113	857142
11	2	16	152978	51	1890	0	702172	857142
12	1	14	579035	85	0	0	278022	857142
13	1	12	322559	83	0	0	534500	857142
14	1	13	563457	66	0	0	293619	857142

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	12	243107	52	1742	967	385606	631578
2	2	6	107380	87	1145	0	522879	631578
3	1	12	540870	75	0	0	90633	631578
4	2	19	542262	71	1757	0	87417	631578
5	3	13	356572	67	1113	1006	272686	631578
6	3	8	94906	70	1710	1122	533630	631578
7	2	19	580441	63	1800	0	49211	631578
8	3	10	51838	50	1517	1397	576676	631578
9	2	12	136170	71	1577	0	493689	631578
10	2	17	459244	93	1311	0	170837	631578
11	3	13	453013	51	1461	1247	175704	631578
12	2	20	196599	85	1446	0	433363	631578
13	1	16	155651	50	0	0	475877	631578
14	2	14	581964	100	1535	0	47879	631578
15	2	11	39223	64	1187	0	591040	631578
16	3	19	215925	80	1392	1713	412308	631578
17	1	11	432234	90	0	0	199254	631578
18	1	10	393891	70	0	0	237617	631578
19	1	14	381252	78	0	0	250248	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	11	433329	71	1691	1330	195015	631578
2	2	7	137735	63	1417	0	492300	631578
3	2	9	337848	81	1369	0	292199	631578
4	1	8	107721	77	0	0	523780	631578
5	1	9	377170	65	0	0	254343	631578
6	1	6	406496	50	0	0	225032	631578
7	3	10	315399	79	1813	1611	312518	631578
8	2	10	325958	82	1752	0	303704	631578
9	3	6	127877	58	1823	1250	500454	631578
10	1	7	568856	81	0	0	62641	631578
11	1	5	247609	97	0	0	383872	631578
12	2	12	505169	87	1089	0	125146	631578
13	3	14	350403	69	1911	1218	277839	631578
14	1	17	67722	66	0	0	563790	631578
15	3	7	279817	91	1201	925	349362	631578
16	1	11	595698	55	0	0	35825	631578
17	2	11	467641	93	1883	0	161868	631578
18	3	10	486566	82	1417	1175	142174	631578
19	1	13	66068	73	0	0	565437	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	17	429824	59	0	0	903450	1333333
2	1	10	683528	94	0	0	649711	1333333
3	2	19	1629	54	1588	0	1330008	1333333
4	3	14	542673	72	979	1161	788304	1333333
5	3	14	1220002	100	1136	1301	110594	1333333
6	3	13	476748	92	1241	1677	853391	1333333
7	2	19	1079861	59	1172	0	252182	1333333
8	1	16	690071	54	0	0	643208	1333333
9	2	14	1293496	95	1563	0	38084	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	18	573787	78	1071	0	24986	600000
2	1	8	87762	57	0	0	512181	600000
3	2	11	268593	98	1307	0	329904	600000
4	1	7	358094	91	0	0	241815	600000
5	3	12	371153	65	1053	1651	225948	600000
6	1	12	534004	98	0	0	65898	600000
7	2	20	257110	55	1524	0	341256	600000
8	3	9	484050	70	1660	1114	112966	600000
9	1	20	441844	73	0	0	158083	600000
10	2	19	175626	93	1599	0	422589	600000
11	2	16	557610	83	929	0	41295	600000
12	3	8	496846	77	1759	1126	100038	600000
13	1	9	495908	87	0	0	104005	600000
14	1	10	579318	82	0	0	20600	600000
15	2	17	596073	52	1033	0	2790	600000
16	3	18	62912	80	1413	1302	534133	600000
17	3	9	438757	70	1127	1350	158556	600000
18	2	15	223795	99	1663	0	374344	600000
19	1	13	210923	72	0	0	389005	600000
20	3	8	581172	70	1065	1623	15930	600000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	8	605993	60	1638	1519	247812	857142
2	1	18	43500	67	0	0	813575	857142
3	3	12	457062	87	1340	1653	396826	857142
4	3	15	174338	54	1613	1673	679356	857142
5	1	10	478734	95	0	0	378313	857142
6	2	8	306437	99	1554	0	548953	857142
7	3	9	815750	56	1402	1003	38819	857142
8	3	16	801992	57	1687	1252	52040	857142
9	1	16	75392	65	0	0	781685	857142
10	3	18	40196	53	1297	989	814501	857142
11	1	16	77729	88	0	0	779325	857142
12	2	5	212478	68	998	0	643530	857142
13	1	16	141097	58	0	0	715987	857142
14	2	20	496732	57	1623	0	358673	857142

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	19	1050916	98	1320	1167	279636	1333333
2	2	12	1212195	81	1639	0	119337	1333333
3	1	10	855924	65	0	0	477344	1333333
4	3	16	471876	76	1894	1524	857811	1333333
5	1	12	213680	81	0	0	1119572	1333333
6	3	7	1270086	82	1030	1850	60121	1333333
7	2	8	118553	64	1042	0	1213610	1333333
8	2	12	1033034	67	1234	0	298931	1333333
9	3	10	1154052	78	1260	1747	176040	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	15	709475	89	1164	0	289183	1000000
2	3	17	256895	89	1247	1339	740252	1000000
3	2	11	538613	58	1450	0	459821	1000000
4	3	5	551678	76	997	1133	445964	1000000
5	2	8	822791	59	1609	0	175482	1000000
6	2	9	334951	79	1078	0	663813	1000000
7	3	14	699764	62	1278	1239	297533	1000000
8	3	12	951001	65	1239	1688	45877	1000000
9	1	7	340606	100	0	0	659294	1000000
10	1	14	816013	50	0	0	183937	1000000
11	3	7	440382	90	1880	1239	556229	1000000
12	1	7	158521	52	0	0	841427	1000000

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**Type 6 #1 [Back to Summary]**

**This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps**

#01-5353	#02-5278	#03-5378	#04-5688	#05-5532	#06-5679	#07-5636	#08-5329	#09-5363	#10-5280
#11-5650	#12-5598	#13-5539	#14-5630	#15-5482	#16-5301	#17-5372	#18-5500	#19-5479	#20-5424
#21-5522	#22-5579	#23-5412	#24-5510	#25-5300	#26-5290	#27-5559	#28-5255	#29-5657	#30-5576
#31-5552	#32-5320	#33-5394	#34-5291	#35-5578	#36-5574	#37-5324	#38-5433	#39-5362	#40-5283
#41-5616	#42-5496	#43-5711	#44-5275	#45-5337	#46-5374	#47-5330	#48-5648	#49-5408	#50-5609
#51-5494	#52-5569	#53-5625	#54-5555	#55-5423	#56-5691	#57-5427	#58-5481	#59-5639	#60-5326
#61-5430	#62-5428	#63-5348	#64-5527	#65-5395	#66-5638	#67-5633	#68-5701	#69-5663	#70-5387
#71-5704	#72-5391	#73-5631	#74-5333	#75-5425	#76-5484	#77-5640	#78-5331	#79-5499	#80-5692
#81-5307	#82-5475	#83-5461	#84-5404	#85-5607	#86-5622	#87-5676	#88-5448	#89-5684	#90-5436
#91-5317	#92-5613	#93-5472	#94-5667	#95-5279	#96-5265	#97-5431	#98-5670	#99-5357	#100-5590

**Type 6 #2 [Back to Summary]**

**This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps**

#01-5484	#02-5649	#03-5340	#04-5516	#05-5667	#06-5518	#07-5723	#08-5572	#09-5717	#10-5655
#11-5461	#12-5291	#13-5302	#14-5626	#15-5427	#16-5621	#17-5275	#18-5329	#19-5711	#20-5664
#21-5530	#22-5431	#23-5445	#24-5266	#25-5536	#26-5261	#27-5271	#28-5429	#29-5449	#30-5315
#31-5317	#32-5674	#33-5610	#34-5259	#35-5537	#36-5314	#37-5341	#38-5679	#39-5408	#40-5576
#41-5691	#42-5505	#43-5581	#44-5571	#45-5420	#46-5284	#47-5383	#48-5715	#49-5352	#50-5683
#51-5417	#52-5310	#53-5453	#54-5324	#55-5704	#56-5656	#57-5497	#58-5544	#59-5372	#60-5651
#61-5588	#62-5439	#63-5416	#64-5616	#65-5615	#66-5556	#67-5658	#68-5374	#69-5553	#70-5464
#71-5678	#72-5465	#73-5409	#74-5690	#75-5565	#76-5394	#77-5316	#78-5325	#79-5313	#80-5506
#81-5549	#82-5682	#83-5333	#84-5362	#85-5273	#86-5636	#87-5630	#88-5289	#89-5642	#90-5392
#91-5480	#92-5254	#93-5400	#94-5551	#95-5306	#96-5703	#97-5380	#98-5356	#99-5562	#100-5514

**Type 6 #3 [Back to Summary]**

**This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps**

#01-5639	#02-5264	#03-5340	#04-5517	#05-5399	#06-5305	#07-5576	#08-5623	#09-5375	#10-5559
#11-5591	#12-5659	#13-5532	#14-5565	#15-5546	#16-5351	#17-5641	#18-5475	#19-5425	#20-5272
#21-5267	#22-5460	#23-5561	#24-5554	#25-5250	#26-5490	#27-5269	#28-5711	#29-5658	#30-5553
#31-5443	#32-5369	#33-5544	#34-5326	#35-5347	#36-5480	#37-5397	#38-5438	#39-5268	#40-5266
#41-5645	#42-5387	#43-5465	#44-5587	#45-5710	#46-5484	#47-5601	#48-5463	#49-5368	#50-5606
#51-5386	#52-5491	#53-5621	#54-5529	#55-5503	#56-5687	#57-5398	#58-5540	#59-5556	#60-5636
#61-5442	#62-5256	#63-5539	#64-5712	#65-5489	#66-5449	#67-5417	#68-5522	#69-5328	#70-5327
#71-5254	#72-5251	#73-5424	#74-5338	#75-5388	#76-5504	#77-5509	#78-5359	#79-5444	#80-5434
#81-5562	#82-5707	#83-5302	#84-5430	#85-5543	#86-5405	#87-5406	#88-5331	#89-5582	#90-5357
#91-5549	#92-5638	#93-5713	#94-5651	#95-5599	#96-5471	#97-5285	#98-5665	#99-5290	#100-5528

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Type 6 #4 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5399	#02-5487	#03-5619	#04-5714	#05-5328	#06-5598	#07-5260	#08-5285	#09-5296	#10-5526
#11-5722	#12-5546	#13-5560	#14-5556	#15-5659	#16-5309	#17-5630	#18-5262	#19-5366	#20-5721
#21-5469	#22-5356	#23-5621	#24-5427	#25-5626	#26-5435	#27-5412	#28-5514	#29-5283	#30-5474
#31-5650	#32-5504	#33-5394	#34-5284	#35-5558	#36-5540	#37-5535	#38-5554	#39-5326	#40-5532
#41-5321	#42-5547	#43-5559	#44-5551	#45-5341	#46-5403	#47-5344	#48-5664	#49-5379	#50-5421
#51-5549	#52-5294	#53-5293	#54-5590	#55-5442	#56-5337	#57-5617	#58-5436	#59-5471	#60-5251
#61-5600	#62-5468	#63-5402	#64-5723	#65-5369	#66-5498	#67-5660	#68-5649	#69-5647	#70-5521
#71-5314	#72-5534	#73-5282	#74-5317	#75-5574	#76-5596	#77-5478	#78-5679	#79-5349	#80-5699
#81-5515	#82-5674	#83-5342	#84-5466	#85-5434	#86-5346	#87-5575	#88-5545	#89-5261	#90-5680
#91-5333	#92-5663	#93-5602	#94-5638	#95-5303	#96-5486	#97-5716	#98-5386	#99-5496	#100-5525

Type 6 #5 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5566	#02-5528	#03-5585	#04-5368	#05-5621	#06-5380	#07-5452	#08-5372	#09-5513	#10-5302
#11-5551	#12-5458	#13-5419	#14-5406	#15-5584	#16-5475	#17-5462	#18-5324	#19-5352	#20-5509
#21-5359	#22-5517	#23-5595	#24-5405	#25-5696	#26-5279	#27-5683	#28-5290	#29-5717	#30-5688
#31-5705	#32-5563	#33-5268	#34-5399	#35-5500	#36-5663	#37-5574	#38-5702	#39-5678	#40-5414
#41-5533	#42-5558	#43-5544	#44-5611	#45-5300	#46-5613	#47-5375	#48-5481	#49-5444	#50-5260
#51-5504	#52-5294	#53-5283	#54-5711	#55-5416	#56-5299	#57-5657	#58-5430	#59-5396	#60-5591
#61-5421	#62-5412	#63-5550	#64-5321	#65-5712	#66-5439	#67-5270	#68-5630	#69-5646	#70-5626
#71-5484	#72-5371	#73-5662	#74-5700	#75-5525	#76-5698	#77-5709	#78-5354	#79-5333	#80-5628
#81-5451	#82-5571	#83-5706	#84-5433	#85-5661	#86-5529	#87-5282	#88-5707	#89-5255	#90-5394
#91-5556	#92-5336	#93-5428	#94-5718	#95-5539	#96-5312	#97-5423	#98-5355	#99-5576	#100-5522

Type 6 #6 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5358	#02-5270	#03-5647	#04-5345	#05-5260	#06-5616	#07-5326	#08-5673	#09-5325	#10-5312
#11-5688	#12-5695	#13-5566	#14-5398	#15-5367	#16-5385	#17-5433	#18-5406	#19-5287	#20-5428
#21-5641	#22-5482	#23-5652	#24-5285	#25-5669	#26-5579	#27-5346	#28-5704	#29-5420	#30-5291
#31-5634	#32-5523	#33-5599	#34-5298	#35-5597	#36-5413	#37-5264	#38-5271	#39-5341	#40-5375
#41-5306	#42-5318	#43-5493	#44-5373	#45-5272	#46-5530	#47-5280	#48-5601	#49-5403	#50-5604
#51-5267	#52-5317	#53-5606	#54-5342	#55-5612	#56-5401	#57-5519	#58-5503	#59-5284	#60-5402
#61-5414	#62-5517	#63-5525	#64-5678	#65-5371	#66-5724	#67-5671	#68-5303	#69-5584	#70-5409
#71-5636	#72-5316	#73-5353	#74-5266	#75-5411	#76-5617	#77-5456	#78-5451	#79-5416	#80-5721
#81-5321	#82-5376	#83-5282	#84-5589	#85-5546	#86-5278	#87-5528	#88-5283	#89-5340	#90-5683
#91-5651	#92-5262	#93-5479	#94-5648	#95-5605	#96-5370	#97-5436	#98-5658	#99-5700	#100-5478

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Type 6 #7 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5357	#02-5452	#03-5718	#04-5486	#05-5597	#06-5510	#07-5683	#08-5619	#09-5350	#10-5529
#11-5606	#12-5719	#13-5691	#14-5521	#15-5374	#16-5274	#17-5305	#18-5380	#19-5318	#20-5677
#21-5720	#22-5285	#23-5562	#24-5430	#25-5708	#26-5530	#27-5261	#28-5335	#29-5355	#30-5394
#31-5534	#32-5388	#33-5401	#34-5481	#35-5344	#36-5292	#37-5410	#38-5555	#39-5250	#40-5281
#41-5636	#42-5674	#43-5291	#44-5288	#45-5638	#46-5321	#47-5306	#48-5590	#49-5272	#50-5482
#51-5615	#52-5538	#53-5502	#54-5317	#55-5498	#56-5598	#57-5513	#58-5681	#59-5468	#60-5567
#61-5412	#62-5289	#63-5280	#64-5713	#65-5263	#66-5694	#67-5487	#68-5689	#69-5612	#70-5669
#71-5616	#72-5650	#73-5339	#74-5284	#75-5427	#76-5478	#77-5523	#78-5378	#79-5296	#80-5409
#81-5453	#82-5471	#83-5514	#84-5343	#85-5377	#86-5493	#87-5680	#88-5548	#89-5446	#90-5476
#91-5295	#92-5332	#93-5678	#94-5336	#95-5352	#96-5320	#97-5518	#98-5672	#99-5252	#100-5399

Type 6 #8 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5558	#02-5425	#03-5573	#04-5508	#05-5478	#06-5503	#07-5491	#08-5670	#09-5438	#10-5365
#11-5604	#12-5551	#13-5492	#14-5474	#15-5600	#16-5430	#17-5549	#18-5445	#19-5418	#20-5657
#21-5565	#22-5473	#23-5390	#24-5374	#25-5677	#26-5391	#27-5420	#28-5308	#29-5461	#30-5451
#31-5321	#32-5681	#33-5643	#34-5458	#35-5594	#36-5264	#37-5427	#38-5603	#39-5257	#40-5361
#41-5415	#42-5388	#43-5454	#44-5460	#45-5647	#46-5495	#47-5322	#48-5504	#49-5320	#50-5559
#51-5334	#52-5284	#53-5693	#54-5383	#55-5526	#56-5278	#57-5350	#58-5499	#59-5380	#60-5587
#61-5393	#62-5518	#63-5682	#64-5696	#65-5680	#66-5431	#67-5716	#68-5468	#69-5687	#70-5466
#71-5279	#72-5439	#73-5711	#74-5362	#75-5270	#76-5655	#77-5498	#78-5538	#79-5487	#80-5596
#81-5608	#82-5490	#83-5462	#84-5398	#85-5338	#86-5353	#87-5601	#88-5272	#89-5287	#90-5395
#91-5661	#92-5675	#93-5539	#94-5616	#95-5513	#96-5576	#97-5597	#98-5592	#99-5255	#100-5397

Type 6 #9 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5414	#02-5257	#03-5419	#04-5251	#05-5567	#06-5406	#07-5435	#08-5694	#09-5657	#10-5646
#11-5323	#12-5456	#13-5470	#14-5693	#15-5380	#16-5583	#17-5590	#18-5505	#19-5416	#20-5673
#21-5692	#22-5334	#23-5401	#24-5548	#25-5723	#26-5539	#27-5529	#28-5614	#29-5254	#30-5603
#31-5711	#32-5312	#33-5298	#34-5390	#35-5643	#36-5352	#37-5284	#38-5341	#39-5561	#40-5318
#41-5462	#42-5264	#43-5430	#44-5469	#45-5647	#46-5670	#47-5445	#48-5252	#49-5475	#50-5337
#51-5448	#52-5446	#53-5648	#54-5267	#55-5427	#56-5568	#57-5592	#58-5266	#59-5415	#60-5293
#61-5641	#62-5444	#63-5407	#64-5644	#65-5426	#66-5461	#67-5480	#68-5555	#69-5413	#70-5579
#71-5605	#72-5479	#73-5319	#74-5696	#75-5328	#76-5655	#77-5617	#78-5473	#79-5333	#80-5600
#81-5378	#82-5623	#83-5589	#84-5577	#85-5467	#86-5626	#87-5649	#88-5441	#89-5474	#90-5544
#91-5627	#92-5348	#93-5710	#94-5724	#95-5636	#96-5493	#97-5709	#98-5508	#99-5421	#100-5311

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Type 6 #10 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5482	#02-5567	#03-5692	#04-5578	#05-5296	#06-5349	#07-5638	#08-5700	#09-5518	#10-5331
#11-5417	#12-5639	#13-5316	#14-5570	#15-5543	#16-5317	#17-5684	#18-5560	#19-5555	#20-5364
#21-5664	#22-5285	#23-5703	#24-5310	#25-5696	#26-5710	#27-5329	#28-5269	#29-5614	#30-5705
#31-5341	#32-5391	#33-5271	#34-5610	#35-5613	#36-5580	#37-5550	#38-5528	#39-5499	#40-5276
#41-5545	#42-5251	#43-5433	#44-5644	#45-5404	#46-5342	#47-5659	#48-5533	#49-5398	#50-5677
#51-5306	#52-5372	#53-5447	#54-5589	#55-5631	#56-5606	#57-5618	#58-5335	#59-5538	#60-5707
#61-5326	#62-5334	#63-5724	#64-5429	#65-5522	#66-5432	#67-5320	#68-5255	#69-5561	#70-5414
#71-5258	#72-5407	#73-5309	#74-5513	#75-5650	#76-5651	#77-5679	#78-5421	#79-5675	#80-5388
#81-5498	#82-5669	#83-5668	#84-5406	#85-5257	#86-5519	#87-5531	#88-5634	#89-5463	#90-5562
#91-5649	#92-5699	#93-5476	#94-5418	#95-5672	#96-5470	#97-5682	#98-5439	#99-5571	#100-5343

Type 6 #11 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5718	#02-5344	#03-5692	#04-5380	#05-5367	#06-5282	#07-5663	#08-5560	#09-5304	#10-5485
#11-5365	#12-5454	#13-5313	#14-5435	#15-5448	#16-5652	#17-5250	#18-5520	#19-5569	#20-5385
#21-5414	#22-5396	#23-5675	#24-5356	#25-5452	#26-5683	#27-5506	#28-5440	#29-5278	#30-5711
#31-5479	#32-5698	#33-5382	#34-5638	#35-5526	#36-5436	#37-5666	#38-5283	#39-5346	#40-5530
#41-5513	#42-5590	#43-5463	#44-5429	#45-5272	#46-5399	#47-5708	#48-5473	#49-5543	#50-5682
#51-5644	#52-5588	#53-5654	#54-5572	#55-5393	#56-5586	#57-5409	#58-5501	#59-5472	#60-5532
#61-5317	#62-5256	#63-5391	#64-5321	#65-5634	#66-5262	#67-5710	#68-5423	#69-5289	#70-5398
#71-5625	#72-5531	#73-5461	#74-5651	#75-5533	#76-5523	#77-5691	#78-5460	#79-5279	#80-5559
#81-5360	#82-5670	#83-5709	#84-5678	#85-5292	#86-5330	#87-5355	#88-5662	#89-5489	#90-5706
#91-5522	#92-5456	#93-5288	#94-5676	#95-5724	#96-5324	#97-5557	#98-5715	#99-5470	#100-5548

Type 6 #12 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5288	#02-5278	#03-5291	#04-5656	#05-5660	#06-5472	#07-5600	#08-5703	#09-5505	#10-5321
#11-5421	#12-5280	#13-5376	#14-5415	#15-5680	#16-5694	#17-5629	#18-5586	#19-5486	#20-5260
#21-5634	#22-5643	#23-5258	#24-5255	#25-5613	#26-5478	#27-5534	#28-5449	#29-5479	#30-5627
#31-5289	#32-5339	#33-5537	#34-5632	#35-5681	#36-5637	#37-5360	#38-5395	#39-5607	#40-5312
#41-5300	#42-5708	#43-5484	#44-5284	#45-5257	#46-5549	#47-5559	#48-5368	#49-5492	#50-5652
#51-5378	#52-5709	#53-5538	#54-5282	#55-5651	#56-5297	#57-5719	#58-5315	#59-5503	#60-5275
#61-5419	#62-5723	#63-5332	#64-5468	#65-5458	#66-5293	#67-5583	#68-5424	#69-5684	#70-5498
#71-5695	#72-5605	#73-5653	#74-5700	#75-5330	#76-5712	#77-5699	#78-5635	#79-5355	#80-5724
#81-5504	#82-5570	#83-5604	#84-5433	#85-5348	#86-5721	#87-5521	#88-5682	#89-5465	#90-5485
#91-5677	#92-5513	#93-5331	#94-5350	#95-5325	#96-5633	#97-5418	#98-5399	#99-5578	#100-5452

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Type 6 #13 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5351	#02-5509	#03-5681	#04-5416	#05-5315	#06-5340	#07-5423	#08-5287	#09-5444	#10-5338
#11-5702	#12-5469	#13-5689	#14-5613	#15-5413	#16-5399	#17-5386	#18-5428	#19-5412	#20-5693
#21-5518	#22-5263	#23-5268	#24-5342	#25-5572	#26-5599	#27-5255	#28-5329	#29-5531	#30-5485
#31-5545	#32-5395	#33-5301	#34-5345	#35-5477	#36-5657	#37-5547	#38-5630	#39-5348	#40-5644
#41-5271	#42-5397	#43-5700	#44-5294	#45-5366	#46-5462	#47-5636	#48-5483	#49-5282	#50-5309
#51-5356	#52-5415	#53-5558	#54-5495	#55-5663	#56-5323	#57-5467	#58-5465	#59-5417	#60-5683
#61-5637	#62-5577	#63-5406	#64-5638	#65-5393	#66-5317	#67-5647	#68-5453	#69-5517	#70-5522
#71-5313	#72-5299	#73-5496	#74-5590	#75-5292	#76-5298	#77-5456	#78-5387	#79-5343	#80-5571
#81-5499	#82-5426	#83-5438	#84-5704	#85-5543	#86-5635	#87-5574	#88-5539	#89-5583	#90-5330
#91-5414	#92-5655	#93-5686	#94-5358	#95-5544	#96-5695	#97-5318	#98-5568	#99-5561	#100-5553

Type 6 #14 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5516	#02-5559	#03-5351	#04-5434	#05-5311	#06-5630	#07-5620	#08-5275	#09-5261	#10-5328
#11-5324	#12-5361	#13-5388	#14-5401	#15-5692	#16-5344	#17-5483	#18-5468	#19-5358	#20-5595
#21-5437	#22-5357	#23-5383	#24-5338	#25-5296	#26-5474	#27-5327	#28-5252	#29-5319	#30-5499
#31-5260	#32-5671	#33-5634	#34-5604	#35-5602	#36-5573	#37-5669	#38-5643	#39-5557	#40-5318
#41-5336	#42-5581	#43-5574	#44-5695	#45-5392	#46-5576	#47-5600	#48-5350	#49-5452	#50-5682
#51-5329	#52-5451	#53-5693	#54-5345	#55-5648	#56-5584	#57-5396	#58-5672	#59-5259	#60-5258
#61-5549	#62-5441	#63-5492	#64-5337	#65-5466	#66-5711	#67-5523	#68-5439	#69-5288	#70-5369
#71-5270	#72-5526	#73-5489	#74-5418	#75-5628	#76-5623	#77-5618	#78-5484	#79-5398	#80-5532
#81-5713	#82-5555	#83-5403	#84-5633	#85-5262	#86-5650	#87-5335	#88-5497	#89-5609	#90-5308
#91-5281	#92-5472	#93-5503	#94-5625	#95-5488	#96-5384	#97-5372	#98-5649	#99-5551	#100-5644

Type 6 #15 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5685	#02-5430	#03-5417	#04-5581	#05-5479	#06-5680	#07-5497	#08-5470	#09-5365	#10-5499
#11-5400	#12-5544	#13-5453	#14-5662	#15-5659	#16-5557	#17-5698	#18-5709	#19-5438	#20-5667
#21-5403	#22-5310	#23-5494	#24-5266	#25-5639	#26-5253	#27-5385	#28-5317	#29-5496	#30-5559
#31-5572	#32-5519	#33-5318	#34-5594	#35-5697	#36-5466	#37-5406	#38-5420	#39-5379	#40-5724
#41-5388	#42-5668	#43-5553	#44-5605	#45-5653	#46-5299	#47-5687	#48-5551	#49-5399	#50-5665
#51-5363	#52-5320	#53-5491	#54-5624	#55-5487	#56-5647	#57-5565	#58-5677	#59-5362	#60-5664
#61-5274	#62-5384	#63-5341	#64-5542	#65-5539	#66-5308	#67-5264	#68-5366	#69-5364	#70-5613
#71-5338	#72-5589	#73-5290	#74-5556	#75-5490	#76-5346	#77-5619	#78-5458	#79-5449	#80-5552
#81-5695	#82-5459	#83-5580	#84-5427	#85-5611	#86-5710	#87-5324	#88-5614	#89-5302	#90-5628
#91-5640	#92-5620	#93-5590	#94-5460	#95-5582	#96-5376	#97-5304	#98-5476	#99-5508	#100-5373

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Type 6 #16 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5283	#02-5476	#03-5700	#04-5637	#05-5531	#06-5497	#07-5294	#08-5345	#09-5550	#10-5557
#11-5347	#12-5478	#13-5522	#14-5701	#15-5683	#16-5606	#17-5307	#18-5279	#19-5292	#20-5474
#21-5561	#22-5435	#23-5674	#24-5394	#25-5691	#26-5489	#27-5493	#28-5404	#29-5322	#30-5326
#31-5437	#32-5335	#33-5510	#34-5339	#35-5605	#36-5515	#37-5330	#38-5552	#39-5569	#40-5682
#41-5328	#42-5332	#43-5523	#44-5362	#45-5663	#46-5417	#47-5423	#48-5319	#49-5446	#50-5465
#51-5624	#52-5447	#53-5291	#54-5275	#55-5492	#56-5564	#57-5607	#58-5257	#59-5526	#60-5665
#61-5477	#62-5480	#63-5635	#64-5392	#65-5261	#66-5612	#67-5340	#68-5702	#69-5681	#70-5629
#71-5604	#72-5357	#73-5592	#74-5596	#75-5578	#76-5608	#77-5325	#78-5705	#79-5253	#80-5696
#81-5436	#82-5313	#83-5297	#84-5580	#85-5272	#86-5490	#87-5439	#88-5544	#89-5293	#90-5266
#91-5575	#92-5576	#93-5613	#94-5694	#95-5652	#96-5718	#97-5342	#98-5250	#99-5719	#100-5567

Type 6 #17 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5659	#02-5408	#03-5621	#04-5711	#05-5517	#06-5373	#07-5450	#08-5685	#09-5474	#10-5600
#11-5663	#12-5680	#13-5673	#14-5564	#15-5473	#16-5317	#17-5461	#18-5492	#19-5645	#20-5586
#21-5588	#22-5506	#23-5265	#24-5708	#25-5608	#26-5413	#27-5614	#28-5623	#29-5635	#30-5365
#31-5696	#32-5441	#33-5470	#34-5362	#35-5422	#36-5376	#37-5503	#38-5647	#39-5420	#40-5567
#41-5306	#42-5351	#43-5700	#44-5674	#45-5264	#46-5703	#47-5403	#48-5591	#49-5605	#50-5722
#51-5329	#52-5383	#53-5704	#54-5392	#55-5638	#56-5352	#57-5353	#58-5484	#59-5464	#60-5311
#61-5563	#62-5485	#63-5692	#64-5489	#65-5453	#66-5452	#67-5300	#68-5666	#69-5682	#70-5569
#71-5268	#72-5532	#73-5405	#74-5289	#75-5283	#76-5594	#77-5435	#78-5460	#79-5369	#80-5280
#81-5368	#82-5616	#83-5308	#84-5491	#85-5684	#86-5279	#87-5463	#88-5401	#89-5544	#90-5661
#91-5719	#92-5513	#93-5465	#94-5706	#95-5500	#96-5676	#97-5540	#98-5323	#99-5402	#100-5579

Type 6 #18 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5365	#02-5422	#03-5722	#04-5353	#05-5604	#06-5482	#07-5643	#08-5273	#09-5344	#10-5427
#11-5532	#12-5367	#13-5326	#14-5430	#15-5687	#16-5492	#17-5271	#18-5452	#19-5531	#20-5275
#21-5538	#22-5640	#23-5537	#24-5617	#25-5548	#26-5301	#27-5659	#28-5508	#29-5554	#30-5535
#31-5357	#32-5690	#33-5286	#34-5668	#35-5318	#36-5686	#37-5650	#38-5584	#39-5626	#40-5638
#41-5258	#42-5541	#43-5705	#44-5347	#45-5630	#46-5319	#47-5434	#48-5519	#49-5596	#50-5377
#51-5291	#52-5449	#53-5609	#54-5355	#55-5529	#56-5552	#57-5388	#58-5708	#59-5489	#60-5515
#61-5425	#62-5402	#63-5289	#64-5487	#65-5618	#66-5530	#67-5345	#68-5592	#69-5613	#70-5374
#71-5624	#72-5631	#73-5720	#74-5636	#75-5451	#76-5396	#77-5371	#78-5324	#79-5285	#80-5664
#81-5716	#82-5563	#83-5719	#84-5468	#85-5433	#86-5580	#87-5282	#88-5505	#89-5642	#90-5399
#91-5649	#92-5670	#93-5590	#94-5557	#95-5644	#96-5629	#97-5423	#98-5253	#99-5477	#100-5392

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**Title:** Aruba Networks, Inc. APIN0224, APIN0225  
**To:** FCC CFR 47 Part 15 Subpart E 15.407  
**Serial #:** ARUB206-U19\_DFS Rev B  
**Issue Date:** 27<sup>th</sup> May 2016  
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Type 6 #19 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5542	#02-5613	#03-5444	#04-5328	#05-5405	#06-5363	#07-5586	#08-5414	#09-5479	#10-5678
#11-5433	#12-5563	#13-5295	#14-5268	#15-5434	#16-5674	#17-5699	#18-5560	#19-5358	#20-5456
#21-5475	#22-5413	#23-5321	#24-5357	#25-5505	#26-5530	#27-5443	#28-5451	#29-5420	#30-5587
#31-5660	#32-5489	#33-5559	#34-5577	#35-5651	#36-5545	#37-5386	#38-5292	#39-5601	#40-5391
#41-5306	#42-5709	#43-5713	#44-5696	#45-5346	#46-5356	#47-5538	#48-5460	#49-5679	#50-5448
#51-5418	#52-5369	#53-5522	#54-5641	#55-5378	#56-5337	#57-5548	#58-5600	#59-5644	#60-5385
#61-5719	#62-5617	#63-5267	#64-5668	#65-5253	#66-5342	#67-5614	#68-5537	#69-5657	#70-5684
#71-5691	#72-5399	#73-5491	#74-5425	#75-5349	#76-5260	#77-5398	#78-5710	#79-5629	#80-5715
#81-5465	#82-5388	#83-5492	#84-5370	#85-5287	#86-5252	#87-5299	#88-5469	#89-5250	#90-5472
#91-5645	#92-5714	#93-5345	#94-5402	#95-5352	#96-5446	#97-5571	#98-5392	#99-5516	#100-5458

Type 6 #20 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5402	#02-5372	#03-5400	#04-5678	#05-5442	#06-5326	#07-5399	#08-5614	#09-5265	#10-5394
#11-5504	#12-5478	#13-5499	#14-5548	#15-5691	#16-5508	#17-5545	#18-5611	#19-5487	#20-5437
#21-5683	#22-5469	#23-5479	#24-5501	#25-5329	#26-5395	#27-5583	#28-5295	#29-5608	#30-5433
#31-5323	#32-5597	#33-5283	#34-5692	#35-5640	#36-5509	#37-5568	#38-5534	#39-5698	#40-5320
#41-5360	#42-5456	#43-5459	#44-5591	#45-5429	#46-5578	#47-5386	#48-5569	#49-5625	#50-5684
#51-5629	#52-5328	#53-5500	#54-5658	#55-5618	#56-5623	#57-5598	#58-5296	#59-5468	#60-5353
#61-5256	#62-5557	#63-5724	#64-5431	#65-5606	#66-5466	#67-5581	#68-5301	#69-5723	#70-5701
#71-5327	#72-5514	#73-5367	#74-5572	#75-5262	#76-5702	#77-5292	#78-5463	#79-5254	#80-5634
#81-5289	#82-5532	#83-5435	#84-5418	#85-5519	#86-5284	#87-5271	#88-5610	#89-5695	#90-5480
#91-5354	#92-5624	#93-5277	#94-5710	#95-5687	#96-5722	#97-5335	#98-5570	#99-5649	#100-5365

Type 6 #21 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5685	#02-5653	#03-5645	#04-5640	#05-5581	#06-5384	#07-5329	#08-5464	#09-5444	#10-5692
#11-5274	#12-5538	#13-5262	#14-5337	#15-5682	#16-5546	#17-5279	#18-5363	#19-5255	#20-5564
#21-5284	#22-5401	#23-5468	#24-5450	#25-5264	#26-5477	#27-5253	#28-5256	#29-5548	#30-5443
#31-5607	#32-5553	#33-5303	#34-5558	#35-5579	#36-5356	#37-5278	#38-5560	#39-5408	#40-5265
#41-5496	#42-5386	#43-5599	#44-5687	#45-5623	#46-5254	#47-5425	#48-5305	#49-5456	#50-5643
#51-5292	#52-5330	#53-5534	#54-5435	#55-5532	#56-5439	#57-5567	#58-5632	#59-5325	#60-5457
#61-5620	#62-5499	#63-5391	#64-5710	#65-5684	#66-5503	#67-5352	#68-5433	#69-5648	#70-5334
#71-5419	#72-5406	#73-5268	#74-5629	#75-5332	#76-5488	#77-5724	#78-5723	#79-5555	#80-5493
#81-5711	#82-5688	#83-5511	#84-5697	#85-5273	#86-5394	#87-5556	#88-5641	#89-5436	#90-5533
#91-5601	#92-5612	#93-5458	#94-5702	#95-5369	#96-5627	#97-5717	#98-5382	#99-5371	#100-5473

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**Title:** Aruba Networks, Inc. APIN0224, APIN0225  
**To:** FCC CFR 47 Part 15 Subpart E 15.407  
**Serial #:** ARUB206-U19\_DFS Rev B  
**Issue Date:** 27<sup>th</sup> May 2016  
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Type 6 #22 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5611	#02-5312	#03-5630	#04-5353	#05-5293	#06-5676	#07-5567	#08-5302	#09-5326	#10-5627
#11-5377	#12-5512	#13-5427	#14-5448	#15-5711	#16-5480	#17-5683	#18-5601	#19-5256	#20-5623
#21-5491	#22-5323	#23-5460	#24-5278	#25-5445	#26-5280	#27-5510	#28-5668	#29-5346	#30-5562
#31-5360	#32-5589	#33-5464	#34-5624	#35-5635	#36-5368	#37-5291	#38-5513	#39-5690	#40-5593
#41-5255	#42-5631	#43-5473	#44-5349	#45-5503	#46-5319	#47-5614	#48-5366	#49-5376	#50-5707
#51-5537	#52-5577	#53-5602	#54-5633	#55-5262	#56-5416	#57-5566	#58-5704	#59-5314	#60-5267
#61-5647	#62-5687	#63-5548	#64-5325	#65-5361	#66-5641	#67-5338	#68-5615	#69-5318	#70-5553
#71-5529	#72-5345	#73-5250	#74-5599	#75-5571	#76-5402	#77-5446	#78-5709	#79-5482	#80-5337
#81-5308	#82-5383	#83-5500	#84-5524	#85-5694	#86-5284	#87-5275	#88-5456	#89-5317	#90-5680
#91-5718	#92-5502	#93-5277	#94-5335	#95-5443	#96-5342	#97-5469	#98-5273	#99-5322	#100-5409

Type 6 #23 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5275	#02-5720	#03-5551	#04-5592	#05-5283	#06-5530	#07-5455	#08-5461	#09-5267	#10-5595
#11-5507	#12-5562	#13-5492	#14-5311	#15-5580	#16-5292	#17-5712	#18-5322	#19-5642	#20-5658
#21-5301	#22-5605	#23-5319	#24-5375	#25-5418	#26-5623	#27-5648	#28-5389	#29-5284	#30-5571
#31-5488	#32-5364	#33-5668	#34-5289	#35-5448	#36-5699	#37-5423	#38-5621	#39-5586	#40-5468
#41-5701	#42-5631	#43-5495	#44-5439	#45-5567	#46-5381	#47-5486	#48-5426	#49-5286	#50-5250
#51-5619	#52-5328	#53-5358	#54-5395	#55-5651	#56-5384	#57-5607	#58-5315	#59-5593	#60-5707
#61-5427	#62-5661	#63-5324	#64-5377	#65-5367	#66-5541	#67-5569	#68-5263	#69-5624	#70-5271
#71-5321	#72-5557	#73-5628	#74-5412	#75-5604	#76-5704	#77-5306	#78-5516	#79-5627	#80-5416
#81-5723	#82-5417	#83-5676	#84-5409	#85-5256	#86-5523	#87-5363	#88-5525	#89-5264	#90-5520
#91-5599	#92-5719	#93-5453	#94-5559	#95-5365	#96-5670	#97-5582	#98-5272	#99-5351	#100-5598

Type 6 #24 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5257	#02-5525	#03-5491	#04-5488	#05-5547	#06-5444	#07-5327	#08-5340	#09-5412	#10-5427
#11-5708	#12-5259	#13-5709	#14-5640	#15-5371	#16-5568	#17-5428	#18-5462	#19-5584	#20-5256
#21-5683	#22-5634	#23-5295	#24-5588	#25-5591	#26-5502	#27-5682	#28-5558	#29-5700	#30-5316
#31-5401	#32-5455	#33-5282	#34-5599	#35-5449	#36-5330	#37-5686	#38-5649	#39-5358	#40-5422
#41-5260	#42-5574	#43-5318	#44-5421	#45-5492	#46-5285	#47-5535	#48-5456	#49-5567	#50-5581
#51-5529	#52-5580	#53-5461	#54-5563	#55-5593	#56-5668	#57-5631	#58-5641	#59-5553	#60-5347
#61-5382	#62-5623	#63-5332	#64-5417	#65-5510	#66-5624	#67-5489	#68-5445	#69-5389	#70-5523
#71-5331	#72-5440	#73-5415	#74-5549	#75-5670	#76-5613	#77-5426	#78-5320	#79-5672	#80-5474
#81-5336	#82-5627	#83-5554	#84-5252	#85-5501	#86-5667	#87-5610	#88-5663	#89-5662	#90-5403
#91-5509	#92-5289	#93-5306	#94-5441	#95-5482	#96-5265	#97-5319	#98-5566	#99-5368	#100-5420

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Type 6 #25 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5543	#02-5277	#03-5359	#04-5483	#05-5399	#06-5632	#07-5398	#08-5721	#09-5514	#10-5681
#11-5621	#12-5713	#13-5502	#14-5428	#15-5371	#16-5446	#17-5501	#18-5585	#19-5262	#20-5676
#21-5630	#22-5557	#23-5469	#24-5280	#25-5615	#26-5283	#27-5536	#28-5578	#29-5612	#30-5484
#31-5411	#32-5383	#33-5497	#34-5392	#35-5374	#36-5500	#37-5430	#38-5512	#39-5496	#40-5444
#41-5513	#42-5499	#43-5349	#44-5310	#45-5301	#46-5529	#47-5542	#48-5286	#49-5488	#50-5459
#51-5554	#52-5468	#53-5637	#54-5445	#55-5452	#56-5508	#57-5598	#58-5587	#59-5627	#60-5447
#61-5460	#62-5579	#63-5254	#64-5285	#65-5670	#66-5321	#67-5322	#68-5491	#69-5486	#70-5413
#71-5381	#72-5457	#73-5408	#74-5703	#75-5336	#76-5270	#77-5719	#78-5373	#79-5275	#80-5581
#81-5696	#82-5278	#83-5480	#84-5654	#85-5610	#86-5702	#87-5253	#88-5622	#89-5582	#90-5370
#91-5597	#92-5575	#93-5524	#94-5545	#95-5340	#96-5417	#97-5386	#98-5313	#99-5649	#100-5304

Type 6 #26 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5506	#02-5712	#03-5456	#04-5474	#05-5422	#06-5577	#07-5593	#08-5574	#09-5503	#10-5421
#11-5603	#12-5608	#13-5701	#14-5530	#15-5317	#16-5310	#17-5344	#18-5318	#19-5629	#20-5293
#21-5509	#22-5555	#23-5558	#24-5537	#25-5423	#26-5452	#27-5681	#28-5614	#29-5518	#30-5296
#31-5698	#32-5699	#33-5666	#34-5403	#35-5478	#36-5556	#37-5295	#38-5714	#39-5521	#40-5455
#41-5696	#42-5563	#43-5548	#44-5477	#45-5279	#46-5323	#47-5445	#48-5270	#49-5261	#50-5722
#51-5407	#52-5623	#53-5692	#54-5609	#55-5533	#56-5419	#57-5372	#58-5546	#59-5532	#60-5335
#61-5561	#62-5252	#63-5376	#64-5632	#65-5590	#66-5487	#67-5640	#68-5496	#69-5414	#70-5349
#71-5586	#72-5667	#73-5597	#74-5671	#75-5276	#76-5687	#77-5702	#78-5508	#79-5504	#80-5510
#81-5672	#82-5486	#83-5544	#84-5399	#85-5522	#86-5647	#87-5610	#88-5350	#89-5457	#90-5622
#91-5355	#92-5489	#93-5557	#94-5307	#95-5286	#96-5274	#97-5620	#98-5661	#99-5472	#100-5674

Type 6 #27 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5662	#02-5710	#03-5262	#04-5535	#05-5289	#06-5579	#07-5592	#08-5377	#09-5330	#10-5539
#11-5311	#12-5345	#13-5347	#14-5617	#15-5427	#16-5700	#17-5665	#18-5418	#19-5256	#20-5570
#21-5299	#22-5401	#23-5716	#24-5426	#25-5646	#26-5447	#27-5394	#28-5450	#29-5467	#30-5485
#31-5302	#32-5549	#33-5321	#34-5449	#35-5584	#36-5661	#37-5598	#38-5442	#39-5506	#40-5260
#41-5482	#42-5719	#43-5376	#44-5265	#45-5560	#46-5259	#47-5392	#48-5664	#49-5605	#50-5310
#51-5333	#52-5451	#53-5654	#54-5626	#55-5624	#56-5511	#57-5561	#58-5614	#59-5567	#60-5434
#61-5635	#62-5569	#63-5487	#64-5274	#65-5623	#66-5282	#67-5490	#68-5352	#69-5473	#70-5637
#71-5721	#72-5338	#73-5305	#74-5590	#75-5636	#76-5304	#77-5455	#78-5406	#79-5402	#80-5575
#81-5619	#82-5419	#83-5323	#84-5667	#85-5286	#86-5553	#87-5663	#88-5551	#89-5340	#90-5334
#91-5532	#92-5503	#93-5494	#94-5632	#95-5365	#96-5683	#97-5585	#98-5658	#99-5538	#100-5486

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Type 6 #28 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5268	#02-5695	#03-5702	#04-5512	#05-5704	#06-5547	#07-5478	#08-5417	#09-5636	#10-5592
#11-5579	#12-5323	#13-5684	#14-5316	#15-5645	#16-5698	#17-5420	#18-5723	#19-5696	#20-5467
#21-5447	#22-5517	#23-5650	#24-5535	#25-5548	#26-5454	#27-5448	#28-5541	#29-5286	#30-5686
#31-5606	#32-5705	#33-5561	#34-5648	#35-5315	#36-5575	#37-5400	#38-5571	#39-5518	#40-5580
#41-5364	#42-5591	#43-5455	#44-5381	#45-5672	#46-5542	#47-5616	#48-5665	#49-5565	#50-5488
#51-5540	#52-5598	#53-5545	#54-5428	#55-5301	#56-5406	#57-5342	#58-5280	#59-5600	#60-5631
#61-5343	#62-5372	#63-5624	#64-5250	#65-5319	#66-5573	#67-5365	#68-5352	#69-5581	#70-5311
#71-5519	#72-5556	#73-5601	#74-5446	#75-5356	#76-5543	#77-5353	#78-5611	#79-5523	#80-5423
#81-5415	#82-5425	#83-5550	#84-5716	#85-5549	#86-5407	#87-5326	#88-5643	#89-5615	#90-5595
#91-5266	#92-5639	#93-5335	#94-5482	#95-5641	#96-5689	#97-5366	#98-5506	#99-5586	#100-5530

Type 6 #29 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5430	#02-5448	#03-5724	#04-5403	#05-5433	#06-5632	#07-5711	#08-5554	#09-5520	#10-5363
#11-5374	#12-5408	#13-5279	#14-5540	#15-5588	#16-5589	#17-5487	#18-5361	#19-5288	#20-5299
#21-5718	#22-5666	#23-5256	#24-5429	#25-5533	#26-5704	#27-5599	#28-5627	#29-5388	#30-5495
#31-5267	#32-5561	#33-5609	#34-5720	#35-5352	#36-5489	#37-5562	#38-5365	#39-5500	#40-5340
#41-5721	#42-5372	#43-5501	#44-5324	#45-5616	#46-5481	#47-5306	#48-5667	#49-5302	#50-5349
#51-5603	#52-5394	#53-5548	#54-5437	#55-5506	#56-5699	#57-5625	#58-5652	#59-5362	#60-5381
#61-5593	#62-5503	#63-5537	#64-5523	#65-5284	#66-5438	#67-5276	#68-5586	#69-5672	#70-5303
#71-5595	#72-5414	#73-5657	#74-5301	#75-5648	#76-5574	#77-5597	#78-5263	#79-5378	#80-5532
#81-5570	#82-5496	#83-5464	#84-5572	#85-5703	#86-5319	#87-5715	#88-5633	#89-5545	#90-5328
#91-5682	#92-5272	#93-5479	#94-5678	#95-5322	#96-5600	#97-5427	#98-5566	#99-5342	#100-5310

Type 6 #30 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5411	#02-5574	#03-5254	#04-5430	#05-5327	#06-5343	#07-5702	#08-5631	#09-5524	#10-5395
#11-5476	#12-5592	#13-5577	#14-5413	#15-5632	#16-5263	#17-5694	#18-5709	#19-5604	#20-5506
#21-5361	#22-5458	#23-5625	#24-5427	#25-5621	#26-5691	#27-5385	#28-5314	#29-5388	#30-5676
#31-5477	#32-5435	#33-5426	#34-5615	#35-5568	#36-5523	#37-5716	#38-5622	#39-5656	#40-5638
#41-5529	#42-5537	#43-5521	#44-5611	#45-5350	#46-5634	#47-5573	#48-5519	#49-5630	#50-5442
#51-5686	#52-5561	#53-5674	#54-5678	#55-5480	#56-5353	#57-5252	#58-5376	#59-5566	#60-5567
#61-5444	#62-5509	#63-5364	#64-5391	#65-5711	#66-5267	#67-5420	#68-5421	#69-5717	#70-5707
#71-5575	#72-5447	#73-5653	#74-5530	#75-5354	#76-5541	#77-5520	#78-5306	#79-5536	#80-5482
#81-5483	#82-5255	#83-5641	#84-5486	#85-5473	#86-5384	#87-5464	#88-5495	#89-5339	#90-5321
#91-5393	#92-5261	#93-5496	#94-5683	#95-5647	#96-5556	#97-5348	#98-5459	#99-5449	#100-5704

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	12	121445	76	1734	0	676669	800000
2	2	15	331783	90	1216	0	466821	800000
3	2	17	233285	90	1059	0	565476	800000
4	1	11	125732	73	0	0	674195	800000
5	1	5	394992	68	0	0	404940	800000
6	1	9	541617	64	0	0	258319	800000
7	1	7	781004	61	0	0	18935	800000
8	2	10	193895	62	1203	0	604778	800000
9	3	12	386106	82	1505	1110	411033	800000
10	2	11	352649	74	1064	0	446139	800000
11	2	5	417841	81	1598	0	380399	800000
12	1	8	235844	71	0	0	564085	800000
13	1	13	718330	73	0	0	81597	800000
14	3	12	755359	77	1091	1362	41957	800000
15	2	19	241829	69	980	0	557053	800000

Type 5 #1 5565.20 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	5	14434	79	1802	1409	648784	666666
2	2	18	419481	57	1275	0	245796	666666
3	1	12	333201	73	0	0	333392	666666
4	3	20	71171	56	1161	1192	592974	666666
5	2	15	258340	84	946	0	407212	666666
6	1	14	34675	74	0	0	631917	666666
7	2	16	375849	79	1762	0	288897	666666
8	2	10	2166	70	1737	0	662623	666666
9	3	6	162429	69	1506	1845	500679	666666
10	3	12	605754	100	1622	1165	57825	666666
11	3	16	243120	52	1363	1839	420188	666666
12	3	20	505047	55	1048	1507	158899	666666
13	3	12	6962	52	1566	1836	656146	666666
14	2	7	248642	88	1126	0	416722	666666
15	3	6	449792	73	1660	1713	213282	666666
16	1	18	524448	51	0	0	142167	666666
17	2	15	100269	88	1021	0	565200	666666
18	2	13	9568	52	1654	0	655340	666666

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	16	60871	66	1795	1692	602110	666666
2	1	9	333869	72	0	0	332725	666666
3	3	15	521183	81	1917	1876	141447	666666
4	2	11	48690	53	1890	0	615980	666666
5	3	10	337512	99	1210	1721	325926	666666
6	3	11	132847	71	1183	1387	531036	666666
7	2	7	580688	97	1304	0	84480	666666
8	1	20	395473	79	0	0	271114	666666
9	2	17	656539	64	1064	0	8935	666666
10	1	17	271379	59	0	0	395228	666666
11	2	6	75211	64	1634	0	589693	666666
12	2	13	387551	69	1869	0	277108	666666
13	2	19	193008	51	1195	0	472361	666666
14	2	6	256532	53	1771	0	408257	666666
15	3	18	87181	51	1944	1429	575959	666666
16	3	7	360096	76	1758	1320	303264	666666
17	2	17	85129	99	1075	0	580264	666666
18	3	17	60195	91	929	1230	604039	666666

Type 5 #3 5568.00 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	15	763718	78	961	0	735165	1500000
2	3	5	968280	96	1275	1330	528827	1500000
3	2	6	1471207	72	1146	0	27503	1500000
4	2	10	279680	93	1011	0	1219123	1500000
5	3	20	432741	71	1366	1045	1064635	1500000
6	1	5	547703	63	0	0	952234	1500000
7	2	18	1366393	98	1310	0	132101	1500000
8	2	5	1386170	83	1387	0	112277	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	10	399029	58	0	0	600913	1000000
2	3	15	164348	52	1777	1068	832651	1000000
3	3	18	705758	100	1667	1042	291233	1000000
4	2	11	774824	70	1665	0	223371	1000000
5	1	8	464590	53	0	0	535357	1000000
6	2	9	14189	84	1415	0	984228	1000000
7	3	7	250889	95	1734	1552	745540	1000000
8	2	11	486528	51	1188	0	512182	1000000
9	2	8	957107	96	1392	0	41309	1000000
10	1	17	774213	82	0	0	225705	1000000
11	1	5	190169	81	0	0	809750	1000000
12	2	6	933306	92	1028	0	65482	1000000

Type 5 #5 5530.00 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	10	430889	69	1036	0	901270	1333333
2	1	20	159762	91	0	0	1173480	1333333
3	3	14	329754	54	949	1129	1001339	1333333
4	2	18	673747	70	1650	0	657796	1333333
5	2	13	1289154	51	1674	0	42403	1333333
6	1	20	330309	93	0	0	1002931	1333333
7	3	12	1142133	57	1046	1225	188758	1333333
8	1	18	1169095	55	0	0	164183	1333333
9	2	5	1169420	57	1465	0	162334	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	18	178664	81	1862	0	569312	750000
2	2	11	379438	62	1366	0	369072	750000
3	2	14	77083	93	1044	0	671687	750000
4	1	16	236238	91	0	0	513671	750000
5	3	12	105207	80	1641	1245	641667	750000
6	1	20	211148	80	0	0	538772	750000
7	2	13	34327	79	1580	0	713935	750000
8	2	20	6655	80	966	0	742219	750000
9	2	6	579856	95	1581	0	168373	750000
10	2	13	579088	63	1614	0	169172	750000
11	1	9	155090	66	0	0	594844	750000
12	1	5	672362	53	0	0	77585	750000
13	2	5	200401	90	1748	0	547671	750000
14	1	19	635257	53	0	0	114690	750000
15	1	15	375117	78	0	0	374805	750000
16	1	16	707040	89	0	0	42871	750000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	20	552339	90	1730	0	77329	631578
2	3	8	180676	96	942	927	448745	631578
3	1	20	293344	77	0	0	338157	631578
4	3	8	389704	72	936	1462	239260	631578
5	3	18	592097	80	1578	999	36664	631578
6	1	5	353233	63	0	0	278282	631578
7	2	9	149149	63	1503	0	480800	631578
8	3	19	36388	86	1176	1834	591922	631578
9	1	15	346053	52	0	0	285473	631578
10	2	7	475689	80	1714	0	154015	631578
11	2	11	338772	86	1158	0	291476	631578
12	1	7	503788	55	0	0	127735	631578
13	3	19	459748	95	907	1369	169269	631578
14	1	11	143831	63	0	0	487684	631578
15	3	10	352810	87	1659	1528	275320	631578
16	3	8	221608	78	1032	1350	407354	631578
17	3	9	537861	74	957	1759	90779	631578
18	1	5	534549	51	0	0	96978	631578
19	2	12	76695	56	971	0	553800	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	13	248572	96	1285	0	1083284	1333333
2	3	5	1055715	51	1156	1927	274382	1333333
3	3	15	492080	82	1825	969	838213	1333333
4	2	12	575671	52	1669	0	755889	1333333
5	3	9	1210246	59	1315	1115	120480	1333333
6	1	9	783215	59	0	0	550059	1333333
7	2	20	795624	91	1191	0	536336	1333333
8	1	19	588742	58	0	0	744533	1333333
9	1	18	82503	92	0	0	1250738	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	20	755568	71	1435	0	242855	1000000
2	1	15	356791	99	0	0	643110	1000000
3	1	10	128304	50	0	0	871646	1000000
4	3	7	696170	90	1760	924	300876	1000000
5	1	18	666219	62	0	0	333719	1000000
6	2	10	174790	73	1205	0	823859	1000000
7	1	14	42041	73	0	0	957886	1000000
8	1	20	751338	96	0	0	248566	1000000
9	3	11	772692	84	1173	1530	224353	1000000
10	2	9	917078	91	1173	0	81567	1000000
11	2	10	808572	54	1353	0	189967	1000000
12	1	6	554690	93	0	0	445217	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	11	525047	52	0	0	180783	705882
2	3	19	151431	83	1463	1892	550847	705882
3	1	5	111973	91	0	0	593818	705882
4	1	12	417769	79	0	0	288034	705882
5	2	18	134010	68	1291	0	570445	705882
6	2	6	39655	97	1605	0	664428	705882
7	3	9	699116	95	1732	1340	3409	705882
8	2	5	574931	81	1432	0	129357	705882
9	1	9	205046	78	0	0	500758	705882
10	1	13	42283	86	0	0	663513	705882
11	1	8	505546	61	0	0	200275	705882
12	1	7	635761	81	0	0	70040	705882
13	3	5	665714	93	1726	1624	36539	705882
14	3	6	272586	88	1866	1295	429871	705882
15	1	14	404945	75	0	0	300862	705882
16	3	10	48361	89	1717	1502	654035	705882
17	1	11	15034	85	0	0	690763	705882

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	7	200309	78	1921	1125	596411	800000
2	1	17	779798	85	0	0	20117	800000
3	3	7	159540	55	1674	1463	637158	800000
4	1	7	16914	66	0	0	783020	800000
5	2	15	389587	83	1705	0	408542	800000
6	1	9	709154	69	0	0	90777	800000
7	3	11	5016	66	1630	1334	791822	800000
8	1	20	144376	97	0	0	655527	800000
9	1	17	647324	98	0	0	152578	800000
10	2	15	61981	61	1105	0	736792	800000
11	1	5	297316	94	0	0	502590	800000
12	1	19	135521	50	0	0	664429	800000
13	3	13	624215	69	1854	1805	171919	800000
14	3	15	619325	51	1220	1353	177949	800000
15	3	9	4229	67	1072	1077	793421	800000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	5	171676	93	1462	1719	1324864	1500000
2	1	5	1008690	62	0	0	491248	1500000
3	3	16	409194	58	1445	1779	1087408	1500000
4	2	9	240274	72	1191	0	1258391	1500000
5	3	20	582556	89	1873	1183	914121	1500000
6	2	14	340397	87	1821	0	1157608	1500000
7	1	5	476366	97	0	0	1023537	1500000
8	3	16	817110	92	1716	1482	679416	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	6	181879	84	1625	0	482994	666666
2	3	16	492332	53	1642	1833	170700	666666
3	3	6	358444	93	1011	1500	305432	666666
4	3	13	486245	98	1330	1667	177130	666666
5	3	12	475475	89	1430	1337	188157	666666
6	3	16	271897	72	1542	1122	391889	666666
7	1	14	77108	93	0	0	589465	666666
8	2	18	226984	84	1128	0	438386	666666
9	2	8	494503	50	1189	0	170874	666666
10	1	6	419602	58	0	0	247006	666666
11	1	14	633094	68	0	0	33504	666666
12	1	18	243931	97	0	0	422638	666666
13	2	20	35734	51	1384	0	629446	666666
14	1	15	553838	83	0	0	112745	666666
15	3	14	380642	99	1375	1734	282618	666666
16	2	11	173915	69	1696	0	490917	666666
17	1	12	392317	84	0	0	274265	666666
18	2	14	539260	53	1774	0	125526	666666

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	9	831848	81	1023	951	165935	1000000
2	1	12	704774	96	0	0	295130	1000000
3	2	19	181579	79	1421	0	816842	1000000
4	2	8	45936	57	1737	0	952213	1000000
5	2	7	85497	88	1470	0	912857	1000000
6	3	10	728253	77	989	1918	268609	1000000
7	3	13	313140	93	960	1256	684365	1000000
8	2	16	485194	90	1197	0	513429	1000000
9	3	16	981014	53	1658	1718	15451	1000000
10	2	19	32847	95	1266	0	965697	1000000
11	3	19	18593	89	1366	1649	978125	1000000
12	1	19	839786	65	0	0	160149	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	16	765929	85	1320	1361	154211	923076
2	1	11	49586	90	0	0	873400	923076
3	3	17	345302	53	1058	1773	574784	923076
4	1	20	156233	78	0	0	766765	923076
5	1	17	85538	68	0	0	837470	923076
6	3	19	664118	57	1519	1294	255974	923076
7	2	15	79148	69	1438	0	842352	923076
8	1	10	496559	100	0	0	426417	923076
9	2	6	901855	87	1864	0	19183	923076
10	1	6	317478	85	0	0	605513	923076
11	3	19	616455	82	1664	1871	302840	923076
12	2	19	611014	80	1540	0	310362	923076
13	1	14	400575	97	0	0	522404	923076

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	11	19091	69	1225	0	729546	750000
2	3	18	321887	69	944	1309	425653	750000
3	3	18	16853	71	1015	977	730942	750000
4	2	16	520889	83	1746	0	227199	750000
5	2	7	110678	99	1382	0	637742	750000
6	2	8	117265	85	1551	0	631014	750000
7	3	10	613569	63	1567	1204	133471	750000
8	1	9	56165	56	0	0	693779	750000
9	3	8	49938	79	1317	1107	697401	750000
10	2	9	686627	81	1307	0	61904	750000
11	3	19	115397	93	1855	1358	631111	750000
12	2	20	587323	82	1034	0	161479	750000
13	3	9	340776	63	1093	1393	406549	750000
14	3	8	562724	60	1481	1382	184233	750000
15	3	16	60543	93	1650	1201	686327	750000
16	3	20	716644	54	1194	1185	30815	750000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	18	712898	84	1583	0	208427	923076
2	2	20	766706	63	1886	0	154358	923076
3	3	5	767779	55	1556	1022	152554	923076
4	1	11	262536	57	0	0	660483	923076
5	1	6	660009	98	0	0	262969	923076
6	2	13	26302	62	1091	0	895559	923076
7	3	5	2621	75	1253	1680	917297	923076
8	3	13	159889	99	1359	957	760574	923076
9	3	5	242785	50	1720	1584	676837	923076
10	2	9	84143	89	1769	0	836986	923076
11	3	9	93750	84	1418	1505	826151	923076
12	1	19	106061	76	0	0	816939	923076
13	3	10	252982	55	1877	1727	666325	923076

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	13	558797	94	0	0	241109	800000
2	1	10	748829	55	0	0	51116	800000
3	1	17	789110	98	0	0	10792	800000
4	1	17	786946	69	0	0	12985	800000
5	2	15	400180	58	1403	0	398301	800000
6	1	9	747626	93	0	0	52281	800000
7	1	18	726669	52	0	0	73279	800000
8	3	18	369497	92	1897	1770	426560	800000
9	2	11	449985	65	1478	0	348407	800000
10	3	13	427947	78	1078	1400	369341	800000
11	3	7	605561	87	1036	1848	191294	800000
12	1	6	94790	91	0	0	705119	800000
13	1	17	151644	63	0	0	648293	800000
14	1	5	310558	72	0	0	489370	800000
15	1	20	181214	97	0	0	618689	800000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	5	56550	84	1545	0	573315	631578
2	2	15	504571	97	1609	0	125204	631578
3	2	10	494595	64	1646	0	135209	631578
4	3	16	217280	53	1121	1702	411316	631578
5	2	15	322450	51	1302	0	307724	631578
6	2	7	348238	77	971	0	282215	631578
7	2	17	281113	81	1682	0	348621	631578
8	3	5	282966	56	1279	1115	346050	631578
9	1	10	565820	73	0	0	65685	631578
10	3	8	126864	87	1552	943	501958	631578
11	3	14	239937	74	944	1567	388908	631578
12	1	20	251170	79	0	0	380329	631578
13	2	8	430047	83	1776	0	199589	631578
14	2	10	596318	98	1727	0	33337	631578
15	3	14	355151	92	1804	978	273369	631578
16	1	17	501811	73	0	0	129694	631578
17	1	5	221414	74	0	0	410090	631578
18	3	8	340882	57	1688	1748	287089	631578
19	3	11	405497	73	1701	1837	222324	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	8	1082494	60	1733	0	115653	1200000
2	3	13	812800	54	1931	1834	383273	1200000
3	3	6	180415	53	1767	1737	1015922	1200000
4	1	15	1077815	52	0	0	122133	1200000
5	1	9	242686	77	0	0	957237	1200000
6	2	6	537809	64	1160	0	660903	1200000
7	3	11	291985	100	1243	1656	904816	1200000
8	2	11	1120326	50	1625	0	77949	1200000
9	3	9	872350	87	1467	1710	324212	1200000
10	2	15	804738	51	1188	0	393972	1200000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	10	422519	66	0	0	208993	631578
2	3	10	183244	80	1453	1911	444730	631578
3	2	16	461586	53	1470	0	168416	631578
4	2	8	447709	79	1069	0	182642	631578
5	2	6	184350	85	1327	0	445731	631578
6	3	17	347977	70	1788	987	280616	631578
7	1	7	264178	57	0	0	367343	631578
8	1	14	423616	69	0	0	207893	631578
9	2	7	341398	51	1894	0	288184	631578
10	1	18	173145	58	0	0	458375	631578
11	3	12	604490	53	1415	1037	24477	631578
12	2	9	237016	65	1887	0	392545	631578
13	1	14	426317	59	0	0	205202	631578
14	3	10	65508	87	1852	1478	562479	631578
15	3	5	432207	99	1433	1637	196004	631578
16	1	13	136993	88	0	0	494497	631578
17	1	7	510432	94	0	0	121052	631578
18	3	6	406736	80	1038	1097	222467	631578
19	1	12	125310	88	0	0	506180	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	12	9627	73	0	0	847442	857142
2	3	8	242536	94	1201	1076	612047	857142
3	1	19	303965	73	0	0	553104	857142
4	1	13	631940	62	0	0	225140	857142
5	3	9	750194	63	990	1694	104075	857142
6	2	8	785904	83	1678	0	69394	857142
7	3	13	434346	98	1704	945	419853	857142
8	1	16	615241	89	0	0	241812	857142
9	2	14	448493	95	1867	0	406592	857142
10	3	7	341303	57	1707	1848	512113	857142
11	2	16	152978	51	1890	0	702172	857142
12	1	14	579035	85	0	0	278022	857142
13	1	12	322559	83	0	0	534500	857142
14	1	13	563457	66	0	0	293619	857142

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	12	243107	52	1742	967	385606	631578
2	2	6	107380	87	1145	0	522879	631578
3	1	12	540870	75	0	0	90633	631578
4	2	19	542262	71	1757	0	87417	631578
5	3	13	356572	67	1113	1006	272686	631578
6	3	8	94906	70	1710	1122	533630	631578
7	2	19	580441	63	1800	0	49211	631578
8	3	10	51838	50	1517	1397	576676	631578
9	2	12	136170	71	1577	0	493689	631578
10	2	17	459244	93	1311	0	170837	631578
11	3	13	453013	51	1461	1247	175704	631578
12	2	20	196599	85	1446	0	433363	631578
13	1	16	155651	50	0	0	475877	631578
14	2	14	581964	100	1535	0	47879	631578
15	2	11	39223	64	1187	0	591040	631578
16	3	19	215925	80	1392	1713	412308	631578
17	1	11	432234	90	0	0	199254	631578
18	1	10	393891	70	0	0	237617	631578
19	1	14	381252	78	0	0	250248	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	11	433329	71	1691	1330	195015	631578
2	2	7	137735	63	1417	0	492300	631578
3	2	9	337848	81	1369	0	292199	631578
4	1	8	107721	77	0	0	523780	631578
5	1	9	377170	65	0	0	254343	631578
6	1	6	406496	50	0	0	225032	631578
7	3	10	315399	79	1813	1611	312518	631578
8	2	10	325958	82	1752	0	303704	631578
9	3	6	127877	58	1823	1250	500454	631578
10	1	7	568856	81	0	0	62641	631578
11	1	5	247609	97	0	0	383872	631578
12	2	12	505169	87	1089	0	125146	631578
13	3	14	350403	69	1911	1218	277839	631578
14	1	17	67722	66	0	0	563790	631578
15	3	7	279817	91	1201	925	349362	631578
16	1	11	595698	55	0	0	35825	631578
17	2	11	467641	93	1883	0	161868	631578
18	3	10	486566	82	1417	1175	142174	631578
19	1	13	66068	73	0	0	565437	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	17	429824	59	0	0	903450	1333333
2	1	10	683528	94	0	0	649711	1333333
3	2	19	1629	54	1588	0	1330008	1333333
4	3	14	542673	72	979	1161	788304	1333333
5	3	14	1220002	100	1136	1301	110594	1333333
6	3	13	476748	92	1241	1677	853391	1333333
7	2	19	1079861	59	1172	0	252182	1333333
8	1	16	690071	54	0	0	643208	1333333
9	2	14	1293496	95	1563	0	38084	1333333

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**Title:** Aruba Networks, Inc. APIN0224, APIN0225  
**To:** FCC CFR 47 Part 15 Subpart E 15.407  
**Serial #:** ARUB206-U19\_DFS Rev B  
**Issue Date:** 27<sup>th</sup> May 2016  
**Page:** 118 of 156

Type 5 #26 5530.00 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	18	573787	78	1071	0	24986	600000
2	1	8	87762	57	0	0	512181	600000
3	2	11	268593	98	1307	0	329904	600000
4	1	7	358094	91	0	0	241815	600000
5	3	12	371153	65	1053	1651	225948	600000
6	1	12	534004	98	0	0	65898	600000
7	2	20	257110	55	1524	0	341256	600000
8	3	9	484050	70	1660	1114	112966	600000
9	1	20	441844	73	0	0	158083	600000
10	2	19	175626	93	1599	0	422589	600000
11	2	16	557610	83	929	0	41295	600000
12	3	8	496846	77	1759	1126	100038	600000
13	1	9	495908	87	0	0	104005	600000
14	1	10	579318	82	0	0	20600	600000
15	2	17	596073	52	1033	0	2790	600000
16	3	18	62912	80	1413	1302	534133	600000
17	3	9	438757	70	1127	1350	158556	600000
18	2	15	223795	99	1663	0	374344	600000
19	1	13	210923	72	0	0	389005	600000
20	3	8	581172	70	1065	1623	15930	600000

Type 5 #27 5563.60 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	8	605993	60	1638	1519	247812	857142
2	1	18	43500	67	0	0	813575	857142
3	3	12	457062	87	1340	1653	396826	857142
4	3	15	174338	54	1613	1673	679356	857142
5	1	10	478734	95	0	0	378313	857142
6	2	8	306437	99	1554	0	548953	857142
7	3	9	815750	56	1402	1003	38819	857142
8	3	16	801992	57	1687	1252	52040	857142
9	1	16	75392	65	0	0	781685	857142
10	3	18	40196	53	1297	989	814501	857142
11	1	16	77729	88	0	0	779325	857142
12	2	5	212478	68	998	0	643530	857142
13	1	16	141097	58	0	0	715987	857142
14	2	20	496732	57	1623	0	358673	857142

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**Title:** Aruba Networks, Inc. APIN0224, APIN0225  
**To:** FCC CFR 47 Part 15 Subpart E 15.407  
**Serial #:** ARUB206-U19\_DFS Rev B  
**Issue Date:** 27<sup>th</sup> May 2016  
**Page:** 119 of 156

Type 5 #28 5565.20 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	19	1050916	98	1320	1167	279636	1333333
2	2	12	1212195	81	1639	0	119337	1333333
3	1	10	855924	65	0	0	477344	1333333
4	3	16	471876	76	1894	1524	857811	1333333
5	1	12	213680	81	0	0	1119572	1333333
6	3	7	1270086	82	1030	1850	60121	1333333
7	2	8	118553	64	1042	0	1213610	1333333
8	2	12	1033034	67	1234	0	298931	1333333
9	3	10	1154052	78	1260	1747	176040	1333333

Type 5 #29 5492.80 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	15	709475	89	1164	0	289183	1000000
2	3	17	256895	89	1247	1339	740252	1000000
3	2	11	538613	58	1450	0	459821	1000000
4	3	5	551678	76	997	1133	445964	1000000
5	2	8	822791	59	1609	0	175482	1000000
6	2	9	334951	79	1078	0	663813	1000000
7	3	14	699764	62	1278	1239	297533	1000000
8	3	12	951001	65	1239	1688	45877	1000000
9	1	7	340606	100	0	0	659294	1000000
10	1	14	816013	50	0	0	183937	1000000
11	3	7	440382	90	1880	1239	556229	1000000
12	1	7	158521	52	0	0	841427	1000000

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**Type 6 #1 [Back to Summary]**

**This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps**

#01-5353	#02-5278	#03-5378	#04-5688	#05-5532	#06-5679	#07-5636	#08-5329	#09-5363	#10-5280
#11-5650	#12-5598	#13-5539	#14-5630	#15-5482	#16-5301	#17-5372	#18-5500	#19-5479	#20-5424
#21-5522	#22-5579	#23-5412	#24-5510	#25-5300	#26-5290	#27-5559	#28-5255	#29-5657	#30-5576
#31-5552	#32-5320	#33-5394	#34-5291	#35-5578	#36-5574	#37-5324	#38-5433	#39-5362	#40-5283
#41-5616	#42-5496	#43-5711	#44-5275	#45-5337	#46-5374	#47-5330	#48-5648	#49-5408	#50-5609
#51-5494	#52-5569	#53-5625	#54-5555	#55-5423	#56-5691	#57-5427	#58-5481	#59-5639	#60-5326
#61-5430	#62-5428	#63-5348	#64-5527	#65-5395	#66-5638	#67-5633	#68-5701	#69-5663	#70-5387
#71-5704	#72-5391	#73-5631	#74-5333	#75-5425	#76-5484	#77-5640	#78-5331	#79-5499	#80-5692
#81-5307	#82-5475	#83-5461	#84-5404	#85-5607	#86-5622	#87-5676	#88-5448	#89-5684	#90-5436
#91-5317	#92-5613	#93-5472	#94-5667	#95-5279	#96-5265	#97-5431	#98-5670	#99-5357	#100-5590

**Type 6 #2 [Back to Summary]**

**This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps**

#01-5484	#02-5649	#03-5340	#04-5516	#05-5667	#06-5518	#07-5723	#08-5572	#09-5717	#10-5655
#11-5461	#12-5291	#13-5302	#14-5626	#15-5427	#16-5621	#17-5275	#18-5329	#19-5711	#20-5664
#21-5530	#22-5431	#23-5445	#24-5266	#25-5536	#26-5261	#27-5271	#28-5429	#29-5449	#30-5315
#31-5317	#32-5674	#33-5610	#34-5259	#35-5537	#36-5314	#37-5341	#38-5679	#39-5408	#40-5576
#41-5691	#42-5505	#43-5581	#44-5571	#45-5420	#46-5284	#47-5383	#48-5715	#49-5352	#50-5683
#51-5417	#52-5310	#53-5453	#54-5324	#55-5704	#56-5656	#57-5497	#58-5544	#59-5372	#60-5651
#61-5588	#62-5439	#63-5416	#64-5616	#65-5615	#66-5556	#67-5658	#68-5374	#69-5553	#70-5464
#71-5678	#72-5465	#73-5409	#74-5690	#75-5565	#76-5394	#77-5316	#78-5325	#79-5313	#80-5506
#81-5549	#82-5682	#83-5333	#84-5362	#85-5273	#86-5636	#87-5630	#88-5289	#89-5642	#90-5392
#91-5480	#92-5254	#93-5400	#94-5551	#95-5306	#96-5703	#97-5380	#98-5356	#99-5562	#100-5514

**Type 6 #3 [Back to Summary]**

**This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps**

#01-5639	#02-5264	#03-5340	#04-5517	#05-5399	#06-5305	#07-5576	#08-5623	#09-5375	#10-5559
#11-5591	#12-5659	#13-5532	#14-5565	#15-5546	#16-5351	#17-5641	#18-5475	#19-5425	#20-5272
#21-5267	#22-5460	#23-5561	#24-5554	#25-5250	#26-5490	#27-5269	#28-5711	#29-5658	#30-5553
#31-5443	#32-5369	#33-5544	#34-5326	#35-5347	#36-5480	#37-5397	#38-5438	#39-5268	#40-5266
#41-5645	#42-5387	#43-5465	#44-5587	#45-5710	#46-5484	#47-5601	#48-5463	#49-5368	#50-5606
#51-5386	#52-5491	#53-5621	#54-5529	#55-5503	#56-5687	#57-5398	#58-5540	#59-5556	#60-5636
#61-5442	#62-5256	#63-5539	#64-5712	#65-5489	#66-5449	#67-5417	#68-5522	#69-5328	#70-5327
#71-5254	#72-5251	#73-5424	#74-5338	#75-5388	#76-5504	#77-5509	#78-5359	#79-5444	#80-5434
#81-5562	#82-5707	#83-5302	#84-5430	#85-5543	#86-5405	#87-5406	#88-5331	#89-5582	#90-5357
#91-5549	#92-5638	#93-5713	#94-5651	#95-5599	#96-5471	#97-5285	#98-5665	#99-5290	#100-5528

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Type 6 #4 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5399	#02-5487	#03-5619	#04-5714	#05-5328	#06-5598	#07-5260	#08-5285	#09-5296	#10-5526
#11-5722	#12-5546	#13-5560	#14-5556	#15-5659	#16-5309	#17-5630	#18-5262	#19-5366	#20-5721
#21-5469	#22-5356	#23-5621	#24-5427	#25-5626	#26-5435	#27-5412	#28-5514	#29-5283	#30-5474
#31-5650	#32-5504	#33-5394	#34-5284	#35-5558	#36-5540	#37-5535	#38-5554	#39-5326	#40-5532
#41-5321	#42-5547	#43-5559	#44-5551	#45-5341	#46-5403	#47-5344	#48-5664	#49-5379	#50-5421
#51-5549	#52-5294	#53-5293	#54-5590	#55-5442	#56-5337	#57-5617	#58-5436	#59-5471	#60-5251
#61-5600	#62-5468	#63-5402	#64-5723	#65-5369	#66-5498	#67-5660	#68-5649	#69-5647	#70-5521
#71-5314	#72-5534	#73-5282	#74-5317	#75-5574	#76-5596	#77-5478	#78-5679	#79-5349	#80-5699
#81-5515	#82-5674	#83-5342	#84-5466	#85-5434	#86-5346	#87-5575	#88-5545	#89-5261	#90-5680
#91-5333	#92-5663	#93-5602	#94-5638	#95-5303	#96-5486	#97-5716	#98-5386	#99-5496	#100-5525

Type 6 #5 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5566	#02-5528	#03-5585	#04-5368	#05-5621	#06-5380	#07-5452	#08-5372	#09-5513	#10-5302
#11-5551	#12-5458	#13-5419	#14-5406	#15-5584	#16-5475	#17-5462	#18-5324	#19-5352	#20-5509
#21-5359	#22-5517	#23-5595	#24-5405	#25-5696	#26-5279	#27-5683	#28-5290	#29-5717	#30-5688
#31-5705	#32-5563	#33-5268	#34-5399	#35-5500	#36-5663	#37-5574	#38-5702	#39-5678	#40-5414
#41-5533	#42-5558	#43-5544	#44-5611	#45-5300	#46-5613	#47-5375	#48-5481	#49-5444	#50-5260
#51-5504	#52-5294	#53-5283	#54-5711	#55-5416	#56-5299	#57-5657	#58-5430	#59-5396	#60-5591
#61-5421	#62-5412	#63-5550	#64-5321	#65-5712	#66-5439	#67-5270	#68-5630	#69-5646	#70-5626
#71-5484	#72-5371	#73-5662	#74-5700	#75-5525	#76-5698	#77-5709	#78-5354	#79-5333	#80-5628
#81-5451	#82-5571	#83-5706	#84-5433	#85-5661	#86-5529	#87-5282	#88-5707	#89-5255	#90-5394
#91-5556	#92-5336	#93-5428	#94-5718	#95-5539	#96-5312	#97-5423	#98-5355	#99-5576	#100-5522

Type 6 #6 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5358	#02-5270	#03-5647	#04-5345	#05-5260	#06-5616	#07-5326	#08-5673	#09-5325	#10-5312
#11-5688	#12-5695	#13-5566	#14-5398	#15-5367	#16-5385	#17-5433	#18-5406	#19-5287	#20-5428
#21-5641	#22-5482	#23-5652	#24-5285	#25-5669	#26-5579	#27-5346	#28-5704	#29-5420	#30-5291
#31-5634	#32-5523	#33-5599	#34-5298	#35-5597	#36-5413	#37-5264	#38-5271	#39-5341	#40-5375
#41-5306	#42-5318	#43-5493	#44-5373	#45-5272	#46-5530	#47-5280	#48-5601	#49-5403	#50-5604
#51-5267	#52-5317	#53-5606	#54-5342	#55-5612	#56-5401	#57-5519	#58-5503	#59-5284	#60-5402
#61-5414	#62-5517	#63-5525	#64-5678	#65-5371	#66-5724	#67-5671	#68-5303	#69-5584	#70-5409
#71-5636	#72-5316	#73-5353	#74-5266	#75-5411	#76-5617	#77-5456	#78-5451	#79-5416	#80-5721
#81-5321	#82-5376	#83-5282	#84-5589	#85-5546	#86-5278	#87-5528	#88-5283	#89-5340	#90-5683
#91-5651	#92-5262	#93-5479	#94-5648	#95-5605	#96-5370	#97-5436	#98-5658	#99-5700	#100-5478

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Type 6 #7 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5357	#02-5452	#03-5718	#04-5486	#05-5597	#06-5510	#07-5683	#08-5619	#09-5350	#10-5529
#11-5606	#12-5719	#13-5691	#14-5521	#15-5374	#16-5274	#17-5305	#18-5380	#19-5318	#20-5677
#21-5720	#22-5285	#23-5562	#24-5430	#25-5708	#26-5530	#27-5261	#28-5335	#29-5355	#30-5394
#31-5534	#32-5388	#33-5401	#34-5481	#35-5344	#36-5292	#37-5410	#38-5555	#39-5250	#40-5281
#41-5636	#42-5674	#43-5291	#44-5288	#45-5638	#46-5321	#47-5306	#48-5590	#49-5272	#50-5482
#51-5615	#52-5538	#53-5502	#54-5317	#55-5498	#56-5598	#57-5513	#58-5681	#59-5468	#60-5567
#61-5412	#62-5289	#63-5280	#64-5713	#65-5263	#66-5694	#67-5487	#68-5689	#69-5612	#70-5669
#71-5616	#72-5650	#73-5339	#74-5284	#75-5427	#76-5478	#77-5523	#78-5378	#79-5296	#80-5409
#81-5453	#82-5471	#83-5514	#84-5343	#85-5377	#86-5493	#87-5680	#88-5548	#89-5446	#90-5476
#91-5295	#92-5332	#93-5678	#94-5336	#95-5352	#96-5320	#97-5518	#98-5672	#99-5252	#100-5399

Type 6 #8 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5558	#02-5425	#03-5573	#04-5508	#05-5478	#06-5503	#07-5491	#08-5670	#09-5438	#10-5365
#11-5604	#12-5551	#13-5492	#14-5474	#15-5600	#16-5430	#17-5549	#18-5445	#19-5418	#20-5657
#21-5565	#22-5473	#23-5390	#24-5374	#25-5677	#26-5391	#27-5420	#28-5308	#29-5461	#30-5451
#31-5321	#32-5681	#33-5643	#34-5458	#35-5594	#36-5264	#37-5427	#38-5603	#39-5257	#40-5361
#41-5415	#42-5388	#43-5454	#44-5460	#45-5647	#46-5495	#47-5322	#48-5504	#49-5320	#50-5559
#51-5334	#52-5284	#53-5693	#54-5383	#55-5526	#56-5278	#57-5350	#58-5499	#59-5380	#60-5587
#61-5393	#62-5518	#63-5682	#64-5696	#65-5680	#66-5431	#67-5716	#68-5468	#69-5687	#70-5466
#71-5279	#72-5439	#73-5711	#74-5362	#75-5270	#76-5655	#77-5498	#78-5538	#79-5487	#80-5596
#81-5608	#82-5490	#83-5462	#84-5398	#85-5338	#86-5353	#87-5601	#88-5272	#89-5287	#90-5395
#91-5661	#92-5675	#93-5539	#94-5616	#95-5513	#96-5576	#97-5597	#98-5592	#99-5255	#100-5397

Type 6 #9 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5414	#02-5257	#03-5419	#04-5251	#05-5567	#06-5406	#07-5435	#08-5694	#09-5657	#10-5646
#11-5323	#12-5456	#13-5470	#14-5693	#15-5380	#16-5583	#17-5590	#18-5505	#19-5416	#20-5673
#21-5692	#22-5334	#23-5401	#24-5548	#25-5723	#26-5539	#27-5529	#28-5614	#29-5254	#30-5603
#31-5711	#32-5312	#33-5298	#34-5390	#35-5643	#36-5352	#37-5284	#38-5341	#39-5561	#40-5318
#41-5462	#42-5264	#43-5430	#44-5469	#45-5647	#46-5670	#47-5445	#48-5252	#49-5475	#50-5337
#51-5448	#52-5446	#53-5648	#54-5267	#55-5427	#56-5568	#57-5592	#58-5266	#59-5415	#60-5293
#61-5641	#62-5444	#63-5407	#64-5644	#65-5426	#66-5461	#67-5480	#68-5555	#69-5413	#70-5579
#71-5605	#72-5479	#73-5319	#74-5696	#75-5328	#76-5655	#77-5617	#78-5473	#79-5333	#80-5600
#81-5378	#82-5623	#83-5589	#84-5577	#85-5467	#86-5626	#87-5649	#88-5441	#89-5474	#90-5544
#91-5627	#92-5348	#93-5710	#94-5724	#95-5636	#96-5493	#97-5709	#98-5508	#99-5421	#100-5311

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Type 6 #10 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5482	#02-5567	#03-5692	#04-5578	#05-5296	#06-5349	#07-5638	#08-5700	#09-5518	#10-5331
#11-5417	#12-5639	#13-5316	#14-5570	#15-5543	#16-5317	#17-5684	#18-5560	#19-5555	#20-5364
#21-5664	#22-5285	#23-5703	#24-5310	#25-5696	#26-5710	#27-5329	#28-5269	#29-5614	#30-5705
#31-5341	#32-5391	#33-5271	#34-5610	#35-5613	#36-5580	#37-5550	#38-5528	#39-5499	#40-5276
#41-5545	#42-5251	#43-5433	#44-5644	#45-5404	#46-5342	#47-5659	#48-5533	#49-5398	#50-5677
#51-5306	#52-5372	#53-5447	#54-5589	#55-5631	#56-5606	#57-5618	#58-5335	#59-5538	#60-5707
#61-5326	#62-5334	#63-5724	#64-5429	#65-5522	#66-5432	#67-5320	#68-5255	#69-5561	#70-5414
#71-5258	#72-5407	#73-5309	#74-5513	#75-5650	#76-5651	#77-5679	#78-5421	#79-5675	#80-5388
#81-5498	#82-5669	#83-5668	#84-5406	#85-5257	#86-5519	#87-5531	#88-5634	#89-5463	#90-5562
#91-5649	#92-5699	#93-5476	#94-5418	#95-5672	#96-5470	#97-5682	#98-5439	#99-5571	#100-5343

Type 6 #11 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5718	#02-5344	#03-5692	#04-5380	#05-5367	#06-5282	#07-5663	#08-5560	#09-5304	#10-5485
#11-5365	#12-5454	#13-5313	#14-5435	#15-5448	#16-5652	#17-5250	#18-5520	#19-5569	#20-5385
#21-5414	#22-5396	#23-5675	#24-5356	#25-5452	#26-5683	#27-5506	#28-5440	#29-5278	#30-5711
#31-5479	#32-5698	#33-5382	#34-5638	#35-5526	#36-5436	#37-5666	#38-5283	#39-5346	#40-5530
#41-5513	#42-5590	#43-5463	#44-5429	#45-5272	#46-5399	#47-5708	#48-5473	#49-5543	#50-5682
#51-5644	#52-5588	#53-5654	#54-5572	#55-5393	#56-5586	#57-5409	#58-5501	#59-5472	#60-5532
#61-5317	#62-5256	#63-5391	#64-5321	#65-5634	#66-5262	#67-5710	#68-5423	#69-5289	#70-5398
#71-5625	#72-5531	#73-5461	#74-5651	#75-5533	#76-5523	#77-5691	#78-5460	#79-5279	#80-5559
#81-5360	#82-5670	#83-5709	#84-5678	#85-5292	#86-5330	#87-5355	#88-5662	#89-5489	#90-5706
#91-5522	#92-5456	#93-5288	#94-5676	#95-5724	#96-5324	#97-5557	#98-5715	#99-5470	#100-5548

Type 6 #12 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5288	#02-5278	#03-5291	#04-5656	#05-5660	#06-5472	#07-5600	#08-5703	#09-5505	#10-5321
#11-5421	#12-5280	#13-5376	#14-5415	#15-5680	#16-5694	#17-5629	#18-5586	#19-5486	#20-5260
#21-5634	#22-5643	#23-5258	#24-5255	#25-5613	#26-5478	#27-5534	#28-5449	#29-5479	#30-5627
#31-5289	#32-5339	#33-5537	#34-5632	#35-5681	#36-5637	#37-5360	#38-5395	#39-5607	#40-5312
#41-5300	#42-5708	#43-5484	#44-5284	#45-5257	#46-5549	#47-5559	#48-5368	#49-5492	#50-5652
#51-5378	#52-5709	#53-5538	#54-5282	#55-5651	#56-5297	#57-5719	#58-5315	#59-5503	#60-5275
#61-5419	#62-5723	#63-5332	#64-5468	#65-5458	#66-5293	#67-5583	#68-5424	#69-5684	#70-5498
#71-5695	#72-5605	#73-5653	#74-5700	#75-5330	#76-5712	#77-5699	#78-5635	#79-5355	#80-5724
#81-5504	#82-5570	#83-5604	#84-5433	#85-5348	#86-5721	#87-5521	#88-5682	#89-5465	#90-5485
#91-5677	#92-5513	#93-5331	#94-5350	#95-5325	#96-5633	#97-5418	#98-5399	#99-5578	#100-5452

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Type 6 #13 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5351	#02-5509	#03-5681	#04-5416	#05-5315	#06-5340	#07-5423	#08-5287	#09-5444	#10-5338
#11-5702	#12-5469	#13-5689	#14-5613	#15-5413	#16-5399	#17-5386	#18-5428	#19-5412	#20-5693
#21-5518	#22-5263	#23-5268	#24-5342	#25-5572	#26-5599	#27-5255	#28-5329	#29-5531	#30-5485
#31-5545	#32-5395	#33-5301	#34-5345	#35-5477	#36-5657	#37-5547	#38-5630	#39-5348	#40-5644
#41-5271	#42-5397	#43-5700	#44-5294	#45-5366	#46-5462	#47-5636	#48-5483	#49-5282	#50-5309
#51-5356	#52-5415	#53-5558	#54-5495	#55-5663	#56-5323	#57-5467	#58-5465	#59-5417	#60-5683
#61-5637	#62-5577	#63-5406	#64-5638	#65-5393	#66-5317	#67-5647	#68-5453	#69-5517	#70-5522
#71-5313	#72-5299	#73-5496	#74-5590	#75-5292	#76-5298	#77-5456	#78-5387	#79-5343	#80-5571
#81-5499	#82-5426	#83-5438	#84-5704	#85-5543	#86-5635	#87-5574	#88-5539	#89-5583	#90-5330
#91-5414	#92-5655	#93-5686	#94-5358	#95-5544	#96-5695	#97-5318	#98-5568	#99-5561	#100-5553

Type 6 #14 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5516	#02-5559	#03-5351	#04-5434	#05-5311	#06-5630	#07-5620	#08-5275	#09-5261	#10-5328
#11-5324	#12-5361	#13-5388	#14-5401	#15-5692	#16-5344	#17-5483	#18-5468	#19-5358	#20-5595
#21-5437	#22-5357	#23-5383	#24-5338	#25-5296	#26-5474	#27-5327	#28-5252	#29-5319	#30-5499
#31-5260	#32-5671	#33-5634	#34-5604	#35-5602	#36-5573	#37-5669	#38-5643	#39-5557	#40-5318
#41-5336	#42-5581	#43-5574	#44-5695	#45-5392	#46-5576	#47-5600	#48-5350	#49-5452	#50-5682
#51-5329	#52-5451	#53-5693	#54-5345	#55-5648	#56-5584	#57-5396	#58-5672	#59-5259	#60-5258
#61-5549	#62-5441	#63-5492	#64-5337	#65-5466	#66-5711	#67-5523	#68-5439	#69-5288	#70-5369
#71-5270	#72-5526	#73-5489	#74-5418	#75-5628	#76-5623	#77-5618	#78-5484	#79-5398	#80-5532
#81-5713	#82-5555	#83-5403	#84-5633	#85-5262	#86-5650	#87-5335	#88-5497	#89-5609	#90-5308
#91-5281	#92-5472	#93-5503	#94-5625	#95-5488	#96-5384	#97-5372	#98-5649	#99-5551	#100-5644

Type 6 #15 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5685	#02-5430	#03-5417	#04-5581	#05-5479	#06-5680	#07-5497	#08-5470	#09-5365	#10-5499
#11-5400	#12-5544	#13-5453	#14-5662	#15-5659	#16-5557	#17-5698	#18-5709	#19-5438	#20-5667
#21-5403	#22-5310	#23-5494	#24-5266	#25-5639	#26-5253	#27-5385	#28-5317	#29-5496	#30-5559
#31-5572	#32-5519	#33-5318	#34-5594	#35-5697	#36-5466	#37-5406	#38-5420	#39-5379	#40-5724
#41-5388	#42-5668	#43-5553	#44-5605	#45-5653	#46-5299	#47-5687	#48-5551	#49-5399	#50-5665
#51-5363	#52-5320	#53-5491	#54-5624	#55-5487	#56-5647	#57-5565	#58-5677	#59-5362	#60-5664
#61-5274	#62-5384	#63-5341	#64-5542	#65-5539	#66-5308	#67-5264	#68-5366	#69-5364	#70-5613
#71-5338	#72-5589	#73-5290	#74-5556	#75-5490	#76-5346	#77-5619	#78-5458	#79-5449	#80-5552
#81-5695	#82-5459	#83-5580	#84-5427	#85-5611	#86-5710	#87-5324	#88-5614	#89-5302	#90-5628
#91-5640	#92-5620	#93-5590	#94-5460	#95-5582	#96-5376	#97-5304	#98-5476	#99-5508	#100-5373

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Type 6 #16 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5283	#02-5476	#03-5700	#04-5637	#05-5531	#06-5497	#07-5294	#08-5345	#09-5550	#10-5557
#11-5347	#12-5478	#13-5522	#14-5701	#15-5683	#16-5606	#17-5307	#18-5279	#19-5292	#20-5474
#21-5561	#22-5435	#23-5674	#24-5394	#25-5691	#26-5489	#27-5493	#28-5404	#29-5322	#30-5326
#31-5437	#32-5335	#33-5510	#34-5339	#35-5605	#36-5515	#37-5330	#38-5552	#39-5569	#40-5682
#41-5328	#42-5332	#43-5523	#44-5362	#45-5663	#46-5417	#47-5423	#48-5319	#49-5446	#50-5465
#51-5624	#52-5447	#53-5291	#54-5275	#55-5492	#56-5564	#57-5607	#58-5257	#59-5526	#60-5665
#61-5477	#62-5480	#63-5635	#64-5392	#65-5261	#66-5612	#67-5340	#68-5702	#69-5681	#70-5629
#71-5604	#72-5357	#73-5592	#74-5596	#75-5578	#76-5608	#77-5325	#78-5705	#79-5253	#80-5696
#81-5436	#82-5313	#83-5297	#84-5580	#85-5272	#86-5490	#87-5439	#88-5544	#89-5293	#90-5266
#91-5575	#92-5576	#93-5613	#94-5694	#95-5652	#96-5718	#97-5342	#98-5250	#99-5719	#100-5567

Type 6 #17 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5659	#02-5408	#03-5621	#04-5711	#05-5517	#06-5373	#07-5450	#08-5685	#09-5474	#10-5600
#11-5663	#12-5680	#13-5673	#14-5564	#15-5473	#16-5317	#17-5461	#18-5492	#19-5645	#20-5586
#21-5588	#22-5506	#23-5265	#24-5708	#25-5608	#26-5413	#27-5614	#28-5623	#29-5635	#30-5365
#31-5696	#32-5441	#33-5470	#34-5362	#35-5422	#36-5376	#37-5503	#38-5647	#39-5420	#40-5567
#41-5306	#42-5351	#43-5700	#44-5674	#45-5264	#46-5703	#47-5403	#48-5591	#49-5605	#50-5722
#51-5329	#52-5383	#53-5704	#54-5392	#55-5638	#56-5352	#57-5353	#58-5484	#59-5464	#60-5311
#61-5563	#62-5485	#63-5692	#64-5489	#65-5453	#66-5452	#67-5300	#68-5666	#69-5682	#70-5569
#71-5268	#72-5532	#73-5405	#74-5289	#75-5283	#76-5594	#77-5435	#78-5460	#79-5369	#80-5280
#81-5368	#82-5616	#83-5308	#84-5491	#85-5684	#86-5279	#87-5463	#88-5401	#89-5544	#90-5661
#91-5719	#92-5513	#93-5465	#94-5706	#95-5500	#96-5676	#97-5540	#98-5323	#99-5402	#100-5579

Type 6 #18 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5365	#02-5422	#03-5722	#04-5353	#05-5604	#06-5482	#07-5643	#08-5273	#09-5344	#10-5427
#11-5532	#12-5367	#13-5326	#14-5430	#15-5687	#16-5492	#17-5271	#18-5452	#19-5531	#20-5275
#21-5538	#22-5640	#23-5537	#24-5617	#25-5548	#26-5301	#27-5659	#28-5508	#29-5554	#30-5535
#31-5357	#32-5690	#33-5286	#34-5668	#35-5318	#36-5686	#37-5650	#38-5584	#39-5626	#40-5638
#41-5258	#42-5541	#43-5705	#44-5347	#45-5630	#46-5319	#47-5434	#48-5519	#49-5596	#50-5377
#51-5291	#52-5449	#53-5609	#54-5355	#55-5529	#56-5552	#57-5388	#58-5708	#59-5489	#60-5515
#61-5425	#62-5402	#63-5289	#64-5487	#65-5618	#66-5530	#67-5345	#68-5592	#69-5613	#70-5374
#71-5624	#72-5631	#73-5720	#74-5636	#75-5451	#76-5396	#77-5371	#78-5324	#79-5285	#80-5664
#81-5716	#82-5563	#83-5719	#84-5468	#85-5433	#86-5580	#87-5282	#88-5505	#89-5642	#90-5399
#91-5649	#92-5670	#93-5590	#94-5557	#95-5644	#96-5629	#97-5423	#98-5253	#99-5477	#100-5392

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Type 6 #19 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5542	#02-5613	#03-5444	#04-5328	#05-5405	#06-5363	#07-5586	#08-5414	#09-5479	#10-5678
#11-5433	#12-5563	#13-5295	#14-5268	#15-5434	#16-5674	#17-5699	#18-5560	#19-5358	#20-5456
#21-5475	#22-5413	#23-5321	#24-5357	#25-5505	#26-5530	#27-5443	#28-5451	#29-5420	#30-5587
#31-5660	#32-5489	#33-5559	#34-5577	#35-5651	#36-5545	#37-5386	#38-5292	#39-5601	#40-5391
#41-5306	#42-5709	#43-5713	#44-5696	#45-5346	#46-5356	#47-5538	#48-5460	#49-5679	#50-5448
#51-5418	#52-5369	#53-5522	#54-5641	#55-5378	#56-5337	#57-5548	#58-5600	#59-5644	#60-5385
#61-5719	#62-5617	#63-5267	#64-5668	#65-5253	#66-5342	#67-5614	#68-5537	#69-5657	#70-5684
#71-5691	#72-5399	#73-5491	#74-5425	#75-5349	#76-5260	#77-5398	#78-5710	#79-5629	#80-5715
#81-5465	#82-5388	#83-5492	#84-5370	#85-5287	#86-5252	#87-5299	#88-5469	#89-5250	#90-5472
#91-5645	#92-5714	#93-5345	#94-5402	#95-5352	#96-5446	#97-5571	#98-5392	#99-5516	#100-5458

Type 6 #20 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5402	#02-5372	#03-5400	#04-5678	#05-5442	#06-5326	#07-5399	#08-5614	#09-5265	#10-5394
#11-5504	#12-5478	#13-5499	#14-5548	#15-5691	#16-5508	#17-5545	#18-5611	#19-5487	#20-5437
#21-5683	#22-5469	#23-5479	#24-5501	#25-5329	#26-5395	#27-5583	#28-5295	#29-5608	#30-5433
#31-5323	#32-5597	#33-5283	#34-5692	#35-5640	#36-5509	#37-5568	#38-5534	#39-5698	#40-5320
#41-5360	#42-5456	#43-5459	#44-5591	#45-5429	#46-5578	#47-5386	#48-5569	#49-5625	#50-5684
#51-5629	#52-5328	#53-5500	#54-5658	#55-5618	#56-5623	#57-5598	#58-5296	#59-5468	#60-5353
#61-5256	#62-5557	#63-5724	#64-5431	#65-5606	#66-5466	#67-5581	#68-5301	#69-5723	#70-5701
#71-5327	#72-5514	#73-5367	#74-5572	#75-5262	#76-5702	#77-5292	#78-5463	#79-5254	#80-5634
#81-5289	#82-5532	#83-5435	#84-5418	#85-5519	#86-5284	#87-5271	#88-5610	#89-5695	#90-5480
#91-5354	#92-5624	#93-5277	#94-5710	#95-5687	#96-5722	#97-5335	#98-5570	#99-5649	#100-5365

Type 6 #21 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5685	#02-5653	#03-5645	#04-5640	#05-5581	#06-5384	#07-5329	#08-5464	#09-5444	#10-5692
#11-5274	#12-5538	#13-5262	#14-5337	#15-5682	#16-5546	#17-5279	#18-5363	#19-5255	#20-5564
#21-5284	#22-5401	#23-5468	#24-5450	#25-5264	#26-5477	#27-5253	#28-5256	#29-5548	#30-5443
#31-5607	#32-5553	#33-5303	#34-5558	#35-5579	#36-5356	#37-5278	#38-5560	#39-5408	#40-5265
#41-5496	#42-5386	#43-5599	#44-5687	#45-5623	#46-5254	#47-5425	#48-5305	#49-5456	#50-5643
#51-5292	#52-5330	#53-5534	#54-5435	#55-5532	#56-5439	#57-5567	#58-5632	#59-5325	#60-5457
#61-5620	#62-5499	#63-5391	#64-5710	#65-5684	#66-5503	#67-5352	#68-5433	#69-5648	#70-5334
#71-5419	#72-5406	#73-5268	#74-5629	#75-5332	#76-5488	#77-5724	#78-5723	#79-5555	#80-5493
#81-5711	#82-5688	#83-5511	#84-5697	#85-5273	#86-5394	#87-5556	#88-5641	#89-5436	#90-5533
#91-5601	#92-5612	#93-5458	#94-5702	#95-5369	#96-5627	#97-5717	#98-5382	#99-5371	#100-5473

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Type 6 #22 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5611	#02-5312	#03-5630	#04-5353	#05-5293	#06-5676	#07-5567	#08-5302	#09-5326	#10-5627
#11-5377	#12-5512	#13-5427	#14-5448	#15-5711	#16-5480	#17-5683	#18-5601	#19-5256	#20-5623
#21-5491	#22-5323	#23-5460	#24-5278	#25-5445	#26-5280	#27-5510	#28-5668	#29-5346	#30-5562
#31-5360	#32-5589	#33-5464	#34-5624	#35-5635	#36-5368	#37-5291	#38-5513	#39-5690	#40-5593
#41-5255	#42-5631	#43-5473	#44-5349	#45-5503	#46-5319	#47-5614	#48-5366	#49-5376	#50-5707
#51-5537	#52-5577	#53-5602	#54-5633	#55-5262	#56-5416	#57-5566	#58-5704	#59-5314	#60-5267
#61-5647	#62-5687	#63-5548	#64-5325	#65-5361	#66-5641	#67-5338	#68-5615	#69-5318	#70-5553
#71-5529	#72-5345	#73-5250	#74-5599	#75-5571	#76-5402	#77-5446	#78-5709	#79-5482	#80-5337
#81-5308	#82-5383	#83-5500	#84-5524	#85-5694	#86-5284	#87-5275	#88-5456	#89-5317	#90-5680
#91-5718	#92-5502	#93-5277	#94-5335	#95-5443	#96-5342	#97-5469	#98-5273	#99-5322	#100-5409

Type 6 #23 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5275	#02-5720	#03-5551	#04-5592	#05-5283	#06-5530	#07-5455	#08-5461	#09-5267	#10-5595
#11-5507	#12-5562	#13-5492	#14-5311	#15-5580	#16-5292	#17-5712	#18-5322	#19-5642	#20-5658
#21-5301	#22-5605	#23-5319	#24-5375	#25-5418	#26-5623	#27-5648	#28-5389	#29-5284	#30-5571
#31-5488	#32-5364	#33-5668	#34-5289	#35-5448	#36-5699	#37-5423	#38-5621	#39-5586	#40-5468
#41-5701	#42-5631	#43-5495	#44-5439	#45-5567	#46-5381	#47-5486	#48-5426	#49-5286	#50-5250
#51-5619	#52-5328	#53-5358	#54-5395	#55-5651	#56-5384	#57-5607	#58-5315	#59-5593	#60-5707
#61-5427	#62-5661	#63-5324	#64-5377	#65-5367	#66-5541	#67-5569	#68-5263	#69-5624	#70-5271
#71-5321	#72-5557	#73-5628	#74-5412	#75-5604	#76-5704	#77-5306	#78-5516	#79-5627	#80-5416
#81-5723	#82-5417	#83-5676	#84-5409	#85-5256	#86-5523	#87-5363	#88-5525	#89-5264	#90-5520
#91-5599	#92-5719	#93-5453	#94-5559	#95-5365	#96-5670	#97-5582	#98-5272	#99-5351	#100-5598

Type 6 #24 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5257	#02-5525	#03-5491	#04-5488	#05-5547	#06-5444	#07-5327	#08-5340	#09-5412	#10-5427
#11-5708	#12-5259	#13-5709	#14-5640	#15-5371	#16-5568	#17-5428	#18-5462	#19-5584	#20-5256
#21-5683	#22-5634	#23-5295	#24-5588	#25-5591	#26-5502	#27-5682	#28-5558	#29-5700	#30-5316
#31-5401	#32-5455	#33-5282	#34-5599	#35-5449	#36-5330	#37-5686	#38-5649	#39-5358	#40-5422
#41-5260	#42-5574	#43-5318	#44-5421	#45-5492	#46-5285	#47-5535	#48-5456	#49-5567	#50-5581
#51-5529	#52-5580	#53-5461	#54-5563	#55-5593	#56-5668	#57-5631	#58-5641	#59-5553	#60-5347
#61-5382	#62-5623	#63-5332	#64-5417	#65-5510	#66-5624	#67-5489	#68-5445	#69-5389	#70-5523
#71-5331	#72-5440	#73-5415	#74-5549	#75-5670	#76-5613	#77-5426	#78-5320	#79-5672	#80-5474
#81-5336	#82-5627	#83-5554	#84-5252	#85-5501	#86-5667	#87-5610	#88-5663	#89-5662	#90-5403
#91-5509	#92-5289	#93-5306	#94-5441	#95-5482	#96-5265	#97-5319	#98-5566	#99-5368	#100-5420

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Type 6 #25 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5543	#02-5277	#03-5359	#04-5483	#05-5399	#06-5632	#07-5398	#08-5721	#09-5514	#10-5681
#11-5621	#12-5713	#13-5502	#14-5428	#15-5371	#16-5446	#17-5501	#18-5585	#19-5262	#20-5676
#21-5630	#22-5557	#23-5469	#24-5280	#25-5615	#26-5283	#27-5536	#28-5578	#29-5612	#30-5484
#31-5411	#32-5383	#33-5497	#34-5392	#35-5374	#36-5500	#37-5430	#38-5512	#39-5496	#40-5444
#41-5513	#42-5499	#43-5349	#44-5310	#45-5301	#46-5529	#47-5542	#48-5286	#49-5488	#50-5459
#51-5554	#52-5468	#53-5637	#54-5445	#55-5452	#56-5508	#57-5598	#58-5587	#59-5627	#60-5447
#61-5460	#62-5579	#63-5254	#64-5285	#65-5670	#66-5321	#67-5322	#68-5491	#69-5486	#70-5413
#71-5381	#72-5457	#73-5408	#74-5703	#75-5336	#76-5270	#77-5719	#78-5373	#79-5275	#80-5581
#81-5696	#82-5278	#83-5480	#84-5654	#85-5610	#86-5702	#87-5253	#88-5622	#89-5582	#90-5370
#91-5597	#92-5575	#93-5524	#94-5545	#95-5340	#96-5417	#97-5386	#98-5313	#99-5649	#100-5304

Type 6 #26 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5506	#02-5712	#03-5456	#04-5474	#05-5422	#06-5577	#07-5593	#08-5574	#09-5503	#10-5421
#11-5603	#12-5608	#13-5701	#14-5530	#15-5317	#16-5310	#17-5344	#18-5318	#19-5629	#20-5293
#21-5509	#22-5555	#23-5558	#24-5537	#25-5423	#26-5452	#27-5681	#28-5614	#29-5518	#30-5296
#31-5698	#32-5699	#33-5666	#34-5403	#35-5478	#36-5556	#37-5295	#38-5714	#39-5521	#40-5455
#41-5696	#42-5563	#43-5548	#44-5477	#45-5279	#46-5323	#47-5445	#48-5270	#49-5261	#50-5722
#51-5407	#52-5623	#53-5692	#54-5609	#55-5533	#56-5419	#57-5372	#58-5546	#59-5532	#60-5335
#61-5561	#62-5252	#63-5376	#64-5632	#65-5590	#66-5487	#67-5640	#68-5496	#69-5414	#70-5349
#71-5586	#72-5667	#73-5597	#74-5671	#75-5276	#76-5687	#77-5702	#78-5508	#79-5504	#80-5510
#81-5672	#82-5486	#83-5544	#84-5399	#85-5522	#86-5647	#87-5610	#88-5350	#89-5457	#90-5622
#91-5355	#92-5489	#93-5557	#94-5307	#95-5286	#96-5274	#97-5620	#98-5661	#99-5472	#100-5674

Type 6 #27 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5662	#02-5710	#03-5262	#04-5535	#05-5289	#06-5579	#07-5592	#08-5377	#09-5330	#10-5539
#11-5311	#12-5345	#13-5347	#14-5617	#15-5427	#16-5700	#17-5665	#18-5418	#19-5256	#20-5570
#21-5299	#22-5401	#23-5716	#24-5426	#25-5646	#26-5447	#27-5394	#28-5450	#29-5467	#30-5485
#31-5302	#32-5549	#33-5321	#34-5449	#35-5584	#36-5661	#37-5598	#38-5442	#39-5506	#40-5260
#41-5482	#42-5719	#43-5376	#44-5265	#45-5560	#46-5259	#47-5392	#48-5664	#49-5605	#50-5310
#51-5333	#52-5451	#53-5654	#54-5626	#55-5624	#56-5511	#57-5561	#58-5614	#59-5567	#60-5434
#61-5635	#62-5569	#63-5487	#64-5274	#65-5623	#66-5282	#67-5490	#68-5352	#69-5473	#70-5637
#71-5721	#72-5338	#73-5305	#74-5590	#75-5636	#76-5304	#77-5455	#78-5406	#79-5402	#80-5575
#81-5619	#82-5419	#83-5323	#84-5667	#85-5286	#86-5553	#87-5663	#88-5551	#89-5340	#90-5334
#91-5532	#92-5503	#93-5494	#94-5632	#95-5365	#96-5683	#97-5585	#98-5658	#99-5538	#100-5486

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Type 6 #28 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5268	#02-5695	#03-5702	#04-5512	#05-5704	#06-5547	#07-5478	#08-5417	#09-5636	#10-5592
#11-5579	#12-5323	#13-5684	#14-5316	#15-5645	#16-5698	#17-5420	#18-5723	#19-5696	#20-5467
#21-5447	#22-5517	#23-5650	#24-5535	#25-5548	#26-5454	#27-5448	#28-5541	#29-5286	#30-5686
#31-5606	#32-5705	#33-5561	#34-5648	#35-5315	#36-5575	#37-5400	#38-5571	#39-5518	#40-5580
#41-5364	#42-5591	#43-5455	#44-5381	#45-5672	#46-5542	#47-5616	#48-5665	#49-5565	#50-5488
#51-5540	#52-5598	#53-5545	#54-5428	#55-5301	#56-5406	#57-5342	#58-5280	#59-5600	#60-5631
#61-5343	#62-5372	#63-5624	#64-5250	#65-5319	#66-5573	#67-5365	#68-5352	#69-5581	#70-5311
#71-5519	#72-5556	#73-5601	#74-5446	#75-5356	#76-5543	#77-5353	#78-5611	#79-5523	#80-5423
#81-5415	#82-5425	#83-5550	#84-5716	#85-5549	#86-5407	#87-5326	#88-5643	#89-5615	#90-5595
#91-5266	#92-5639	#93-5335	#94-5482	#95-5641	#96-5689	#97-5366	#98-5506	#99-5586	#100-5530

Type 6 #29 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5430	#02-5448	#03-5724	#04-5403	#05-5433	#06-5632	#07-5711	#08-5554	#09-5520	#10-5363
#11-5374	#12-5408	#13-5279	#14-5540	#15-5588	#16-5589	#17-5487	#18-5361	#19-5288	#20-5299
#21-5718	#22-5666	#23-5256	#24-5429	#25-5533	#26-5704	#27-5599	#28-5627	#29-5388	#30-5495
#31-5267	#32-5561	#33-5609	#34-5720	#35-5352	#36-5489	#37-5562	#38-5365	#39-5500	#40-5340
#41-5721	#42-5372	#43-5501	#44-5324	#45-5616	#46-5481	#47-5306	#48-5667	#49-5302	#50-5349
#51-5603	#52-5394	#53-5548	#54-5437	#55-5506	#56-5699	#57-5625	#58-5652	#59-5362	#60-5381
#61-5593	#62-5503	#63-5537	#64-5523	#65-5284	#66-5438	#67-5276	#68-5586	#69-5672	#70-5303
#71-5595	#72-5414	#73-5657	#74-5301	#75-5648	#76-5574	#77-5597	#78-5263	#79-5378	#80-5532
#81-5570	#82-5496	#83-5464	#84-5572	#85-5703	#86-5319	#87-5715	#88-5633	#89-5545	#90-5328
#91-5682	#92-5272	#93-5479	#94-5678	#95-5322	#96-5600	#97-5427	#98-5566	#99-5342	#100-5310

Type 6 #30 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5411	#02-5574	#03-5254	#04-5430	#05-5327	#06-5343	#07-5702	#08-5631	#09-5524	#10-5395
#11-5476	#12-5592	#13-5577	#14-5413	#15-5632	#16-5263	#17-5694	#18-5709	#19-5604	#20-5506
#21-5361	#22-5458	#23-5625	#24-5427	#25-5621	#26-5691	#27-5385	#28-5314	#29-5388	#30-5676
#31-5477	#32-5435	#33-5426	#34-5615	#35-5568	#36-5523	#37-5716	#38-5622	#39-5656	#40-5638
#41-5529	#42-5537	#43-5521	#44-5611	#45-5350	#46-5634	#47-5573	#48-5519	#49-5630	#50-5442
#51-5686	#52-5561	#53-5674	#54-5678	#55-5480	#56-5353	#57-5252	#58-5376	#59-5566	#60-5567
#61-5444	#62-5509	#63-5364	#64-5391	#65-5711	#66-5267	#67-5420	#68-5421	#69-5717	#70-5707
#71-5575	#72-5447	#73-5653	#74-5530	#75-5354	#76-5541	#77-5520	#78-5306	#79-5536	#80-5482
#81-5483	#82-5255	#83-5641	#84-5486	#85-5473	#86-5384	#87-5464	#88-5495	#89-5339	#90-5321
#91-5393	#92-5261	#93-5496	#94-5683	#95-5647	#96-5556	#97-5348	#98-5459	#99-5449	#100-5704

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**Title:** Aruba Networks, Inc. APIN0224, APIN0225  
**To:** FCC CFR 47 Part 15 Subpart E 15.407  
**Serial #:** ARUB206-U19\_DFS Rev B  
**Issue Date:** 27<sup>th</sup> May 2016  
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Type 5 #0 5510.00 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	12	121445	76	1734	0	676669	800000
2	2	15	331783	90	1216	0	466821	800000
3	2	17	233285	90	1059	0	565476	800000
4	1	11	125732	73	0	0	674195	800000
5	1	5	394992	68	0	0	404940	800000
6	1	9	541617	64	0	0	258319	800000
7	1	7	781004	61	0	0	18935	800000
8	2	10	193895	62	1203	0	604778	800000
9	3	12	386106	82	1505	1110	411033	800000
10	2	11	352649	74	1064	0	446139	800000
11	2	5	417841	81	1598	0	380399	800000
12	1	8	235844	71	0	0	564085	800000
13	1	13	718330	73	0	0	81597	800000
14	3	12	755359	77	1091	1362	41957	800000
15	2	19	241829	69	980	0	557053	800000

Type 5 #1 5510.00 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	5	14434	79	1802	1409	648784	666666
2	2	18	419481	57	1275	0	245796	666666
3	1	12	333201	73	0	0	333392	666666
4	3	20	71171	56	1161	1192	592974	666666
5	2	15	258340	84	946	0	407212	666666
6	1	14	34675	74	0	0	631917	666666
7	2	16	375849	79	1762	0	288897	666666
8	2	10	2166	70	1737	0	662623	666666
9	3	6	162429	69	1506	1845	500679	666666
10	3	12	605754	100	1622	1165	57825	666666
11	3	16	243120	52	1363	1839	420188	666666
12	3	20	505047	55	1048	1507	158899	666666
13	3	12	6962	52	1566	1836	656146	666666
14	2	7	248642	88	1126	0	416722	666666
15	3	6	449792	73	1660	1713	213282	666666
16	1	18	524448	51	0	0	142167	666666
17	2	15	100269	88	1021	0	565200	666666
18	2	13	9568	52	1654	0	655340	666666

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**Title:** Aruba Networks, Inc. APIN0224, APIN0225  
**To:** FCC CFR 47 Part 15 Subpart E 15.407  
**Serial #:** ARUB206-U19\_DFS Rev B  
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Type 5 #2 5498.80 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	16	60871	66	1795	1692	602110	666666
2	1	9	333869	72	0	0	332725	666666
3	3	15	521183	81	1917	1876	141447	666666
4	2	11	48690	53	1890	0	615980	666666
5	3	10	337512	99	1210	1721	325926	666666
6	3	11	132847	71	1183	1387	531036	666666
7	2	7	580688	97	1304	0	84480	666666
8	1	20	395473	79	0	0	271114	666666
9	2	17	656539	64	1064	0	8935	666666
10	1	17	271379	59	0	0	395228	666666
11	2	6	75211	64	1634	0	589693	666666
12	2	13	387551	69	1869	0	277108	666666
13	2	19	193008	51	1195	0	472361	666666
14	2	6	256532	53	1771	0	408257	666666
15	3	18	87181	51	1944	1429	575959	666666
16	3	7	360096	76	1758	1320	303264	666666
17	2	17	85129	99	1075	0	580264	666666
18	3	17	60195	91	929	1230	604039	666666

Type 5 #3 5510.00 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	15	763718	78	961	0	735165	1500000
2	3	5	968280	96	1275	1330	528827	1500000
3	2	6	1471207	72	1146	0	27503	1500000
4	2	10	279680	93	1011	0	1219123	1500000
5	3	20	432741	71	1366	1045	1064635	1500000
6	1	5	547703	63	0	0	952234	1500000
7	2	18	1366393	98	1310	0	132101	1500000
8	2	5	1386170	83	1387	0	112277	1500000

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**Title:** Aruba Networks, Inc. APIN0224, APIN0225  
**To:** FCC CFR 47 Part 15 Subpart E 15.407  
**Serial #:** ARUB206-U19\_DFS Rev B  
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Type 5 #4 5495.20 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	10	399029	58	0	0	600913	1000000
2	3	15	164348	52	1777	1068	832651	1000000
3	3	18	705758	100	1667	1042	291233	1000000
4	2	11	774824	70	1665	0	223371	1000000
5	1	8	464590	53	0	0	535357	1000000
6	2	9	14189	84	1415	0	984228	1000000
7	3	7	250889	95	1734	1552	745540	1000000
8	2	11	486528	51	1188	0	512182	1000000
9	2	8	957107	96	1392	0	41309	1000000
10	1	17	774213	82	0	0	225705	1000000
11	1	5	190169	81	0	0	809750	1000000
12	2	6	933306	92	1028	0	65482	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	10	430889	69	1036	0	901270	1333333
2	1	20	159762	91	0	0	1173480	1333333
3	3	14	329754	54	949	1129	1001339	1333333
4	2	18	673747	70	1650	0	657796	1333333
5	2	13	1289154	51	1674	0	42403	1333333
6	1	20	330309	93	0	0	1002931	1333333
7	3	12	1142133	57	1046	1225	188758	1333333
8	1	18	1169095	55	0	0	164183	1333333
9	2	5	1169420	57	1465	0	162334	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	18	178664	81	1862	0	569312	750000
2	2	11	379438	62	1366	0	369072	750000
3	2	14	77083	93	1044	0	671687	750000
4	1	16	236238	91	0	0	513671	750000
5	3	12	105207	80	1641	1245	641667	750000
6	1	20	211148	80	0	0	538772	750000
7	2	13	34327	79	1580	0	713935	750000
8	2	20	6655	80	966	0	742219	750000
9	2	6	579856	95	1581	0	168373	750000
10	2	13	579088	63	1614	0	169172	750000
11	1	9	155090	66	0	0	594844	750000
12	1	5	672362	53	0	0	77585	750000
13	2	5	200401	90	1748	0	547671	750000
14	1	19	635257	53	0	0	114690	750000
15	1	15	375117	78	0	0	374805	750000
16	1	16	707040	89	0	0	42871	750000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	20	552339	90	1730	0	77329	631578
2	3	8	180676	96	942	927	448745	631578
3	1	20	293344	77	0	0	338157	631578
4	3	8	389704	72	936	1462	239260	631578
5	3	18	592097	80	1578	999	36664	631578
6	1	5	353233	63	0	0	278282	631578
7	2	9	149149	63	1503	0	480800	631578
8	3	19	36388	86	1176	1834	591922	631578
9	1	15	346053	52	0	0	285473	631578
10	2	7	475689	80	1714	0	154015	631578
11	2	11	338772	86	1158	0	291476	631578
12	1	7	503788	55	0	0	127735	631578
13	3	19	459748	95	907	1369	169269	631578
14	1	11	143831	63	0	0	487684	631578
15	3	10	352810	87	1659	1528	275320	631578
16	3	8	221608	78	1032	1350	407354	631578
17	3	9	537861	74	957	1759	90779	631578
18	1	5	534549	51	0	0	96978	631578
19	2	12	76695	56	971	0	553800	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	13	248572	96	1285	0	1083284	1333333
2	3	5	1055715	51	1156	1927	274382	1333333
3	3	15	492080	82	1825	969	838213	1333333
4	2	12	575671	52	1669	0	755889	1333333
5	3	9	1210246	59	1315	1115	120480	1333333
6	1	9	783215	59	0	0	550059	1333333
7	2	20	795624	91	1191	0	536336	1333333
8	1	19	588742	58	0	0	744533	1333333
9	1	18	82503	92	0	0	1250738	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	20	755568	71	1435	0	242855	1000000
2	1	15	356791	99	0	0	643110	1000000
3	1	10	128304	50	0	0	871646	1000000
4	3	7	696170	90	1760	924	300876	1000000
5	1	18	666219	62	0	0	333719	1000000
6	2	10	174790	73	1205	0	823859	1000000
7	1	14	42041	73	0	0	957886	1000000
8	1	20	751338	96	0	0	248566	1000000
9	3	11	772692	84	1173	1530	224353	1000000
10	2	9	917078	91	1173	0	81567	1000000
11	2	10	808572	54	1353	0	189967	1000000
12	1	6	554690	93	0	0	445217	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	11	525047	52	0	0	180783	705882
2	3	19	151431	83	1463	1892	550847	705882
3	1	5	111973	91	0	0	593818	705882
4	1	12	417769	79	0	0	288034	705882
5	2	18	134010	68	1291	0	570445	705882
6	2	6	39655	97	1605	0	664428	705882
7	3	9	699116	95	1732	1340	3409	705882
8	2	5	574931	81	1432	0	129357	705882
9	1	9	205046	78	0	0	500758	705882
10	1	13	42283	86	0	0	663513	705882
11	1	8	505546	61	0	0	200275	705882
12	1	7	635761	81	0	0	70040	705882
13	3	5	665714	93	1726	1624	36539	705882
14	3	6	272586	88	1866	1295	429871	705882
15	1	14	404945	75	0	0	300862	705882
16	3	10	48361	89	1717	1502	654035	705882
17	1	11	15034	85	0	0	690763	705882

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	7	200309	78	1921	1125	596411	800000
2	1	17	779798	85	0	0	20117	800000
3	3	7	159540	55	1674	1463	637158	800000
4	1	7	16914	66	0	0	783020	800000
5	2	15	389587	83	1705	0	408542	800000
6	1	9	709154	69	0	0	90777	800000
7	3	11	5016	66	1630	1334	791822	800000
8	1	20	144376	97	0	0	655527	800000
9	1	17	647324	98	0	0	152578	800000
10	2	15	61981	61	1105	0	736792	800000
11	1	5	297316	94	0	0	502590	800000
12	1	19	135521	50	0	0	664429	800000
13	3	13	624215	69	1854	1805	171919	800000
14	3	15	619325	51	1220	1353	177949	800000
15	3	9	4229	67	1072	1077	793421	800000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	5	171676	93	1462	1719	1324864	1500000
2	1	5	1008690	62	0	0	491248	1500000
3	3	16	409194	58	1445	1779	1087408	1500000
4	2	9	240274	72	1191	0	1258391	1500000
5	3	20	582556	89	1873	1183	914121	1500000
6	2	14	340397	87	1821	0	1157608	1500000
7	1	5	476366	97	0	0	1023537	1500000
8	3	16	817110	92	1716	1482	679416	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	6	181879	84	1625	0	482994	666666
2	3	16	492332	53	1642	1833	170700	666666
3	3	6	358444	93	1011	1500	305432	666666
4	3	13	486245	98	1330	1667	177130	666666
5	3	12	475475	89	1430	1337	188157	666666
6	3	16	271897	72	1542	1122	391889	666666
7	1	14	77108	93	0	0	589465	666666
8	2	18	226984	84	1128	0	438386	666666
9	2	8	494503	50	1189	0	170874	666666
10	1	6	419602	58	0	0	247006	666666
11	1	14	633094	68	0	0	33504	666666
12	1	18	243931	97	0	0	422638	666666
13	2	20	35734	51	1384	0	629446	666666
14	1	15	553838	83	0	0	112745	666666
15	3	14	380642	99	1375	1734	282618	666666
16	2	11	173915	69	1696	0	490917	666666
17	1	12	392317	84	0	0	274265	666666
18	2	14	539260	53	1774	0	125526	666666

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	9	831848	81	1023	951	165935	1000000
2	1	12	704774	96	0	0	295130	1000000
3	2	19	181579	79	1421	0	816842	1000000
4	2	8	45936	57	1737	0	952213	1000000
5	2	7	85497	88	1470	0	912857	1000000
6	3	10	728253	77	989	1918	268609	1000000
7	3	13	313140	93	960	1256	684365	1000000
8	2	16	485194	90	1197	0	513429	1000000
9	3	16	981014	53	1658	1718	15451	1000000
10	2	19	32847	95	1266	0	965697	1000000
11	3	19	18593	89	1366	1649	978125	1000000
12	1	19	839786	65	0	0	160149	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	16	765929	85	1320	1361	154211	923076
2	1	11	49586	90	0	0	873400	923076
3	3	17	345302	53	1058	1773	574784	923076
4	1	20	156233	78	0	0	766765	923076
5	1	17	85538	68	0	0	837470	923076
6	3	19	664118	57	1519	1294	255974	923076
7	2	15	79148	69	1438	0	842352	923076
8	1	10	496559	100	0	0	426417	923076
9	2	6	901855	87	1864	0	19183	923076
10	1	6	317478	85	0	0	605513	923076
11	3	19	616455	82	1664	1871	302840	923076
12	2	19	611014	80	1540	0	310362	923076
13	1	14	400575	97	0	0	522404	923076

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	11	19091	69	1225	0	729546	750000
2	3	18	321887	69	944	1309	425653	750000
3	3	18	16853	71	1015	977	730942	750000
4	2	16	520889	83	1746	0	227199	750000
5	2	7	110678	99	1382	0	637742	750000
6	2	8	117265	85	1551	0	631014	750000
7	3	10	613569	63	1567	1204	133471	750000
8	1	9	56165	56	0	0	693779	750000
9	3	8	49938	79	1317	1107	697401	750000
10	2	9	686627	81	1307	0	61904	750000
11	3	19	115397	93	1855	1358	631111	750000
12	2	20	587323	82	1034	0	161479	750000
13	3	9	340776	63	1093	1393	406549	750000
14	3	8	562724	60	1481	1382	184233	750000
15	3	16	60543	93	1650	1201	686327	750000
16	3	20	716644	54	1194	1185	30815	750000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	18	712898	84	1583	0	208427	923076
2	2	20	766706	63	1886	0	154358	923076
3	3	5	767779	55	1556	1022	152554	923076
4	1	11	262536	57	0	0	660483	923076
5	1	6	660009	98	0	0	262969	923076
6	2	13	26302	62	1091	0	895559	923076
7	3	5	2621	75	1253	1680	917297	923076
8	3	13	159889	99	1359	957	760574	923076
9	3	5	242785	50	1720	1584	676837	923076
10	2	9	84143	89	1769	0	836986	923076
11	3	9	93750	84	1418	1505	826151	923076
12	1	19	106061	76	0	0	816939	923076
13	3	10	252982	55	1877	1727	666325	923076

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	13	558797	94	0	0	241109	800000
2	1	10	748829	55	0	0	51116	800000
3	1	17	789110	98	0	0	10792	800000
4	1	17	786946	69	0	0	12985	800000
5	2	15	400180	58	1403	0	398301	800000
6	1	9	747626	93	0	0	52281	800000
7	1	18	726669	52	0	0	73279	800000
8	3	18	369497	92	1897	1770	426560	800000
9	2	11	449985	65	1478	0	348407	800000
10	3	13	427947	78	1078	1400	369341	800000
11	3	7	605561	87	1036	1848	191294	800000
12	1	6	94790	91	0	0	705119	800000
13	1	17	151644	63	0	0	648293	800000
14	1	5	310558	72	0	0	489370	800000
15	1	20	181214	97	0	0	618689	800000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	5	56550	84	1545	0	573315	631578
2	2	15	504571	97	1609	0	125204	631578
3	2	10	494595	64	1646	0	135209	631578
4	3	16	217280	53	1121	1702	411316	631578
5	2	15	322450	51	1302	0	307724	631578
6	2	7	348238	77	971	0	282215	631578
7	2	17	281113	81	1682	0	348621	631578
8	3	5	282966	56	1279	1115	346050	631578
9	1	10	565820	73	0	0	65685	631578
10	3	8	126864	87	1552	943	501958	631578
11	3	14	239937	74	944	1567	388908	631578
12	1	20	251170	79	0	0	380329	631578
13	2	8	430047	83	1776	0	199589	631578
14	2	10	596318	98	1727	0	33337	631578
15	3	14	355151	92	1804	978	273369	631578
16	1	17	501811	73	0	0	129694	631578
17	1	5	221414	74	0	0	410090	631578
18	3	8	340882	57	1688	1748	287089	631578
19	3	11	405497	73	1701	1837	222324	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	8	1082494	60	1733	0	115653	1200000
2	3	13	812800	54	1931	1834	383273	1200000
3	3	6	180415	53	1767	1737	1015922	1200000
4	1	15	1077815	52	0	0	122133	1200000
5	1	9	242686	77	0	0	957237	1200000
6	2	6	537809	64	1160	0	660903	1200000
7	3	11	291985	100	1243	1656	904816	1200000
8	2	11	1120326	50	1625	0	77949	1200000
9	3	9	872350	87	1467	1710	324212	1200000
10	2	15	804738	51	1188	0	393972	1200000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	10	422519	66	0	0	208993	631578
2	3	10	183244	80	1453	1911	444730	631578
3	2	16	461586	53	1470	0	168416	631578
4	2	8	447709	79	1069	0	182642	631578
5	2	6	184350	85	1327	0	445731	631578
6	3	17	347977	70	1788	987	280616	631578
7	1	7	264178	57	0	0	367343	631578
8	1	14	423616	69	0	0	207893	631578
9	2	7	341398	51	1894	0	288184	631578
10	1	18	173145	58	0	0	458375	631578
11	3	12	604490	53	1415	1037	24477	631578
12	2	9	237016	65	1887	0	392545	631578
13	1	14	426317	59	0	0	205202	631578
14	3	10	65508	87	1852	1478	562479	631578
15	3	5	432207	99	1433	1637	196004	631578
16	1	13	136993	88	0	0	494497	631578
17	1	7	510432	94	0	0	121052	631578
18	3	6	406736	80	1038	1097	222467	631578
19	1	12	125310	88	0	0	506180	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	12	9627	73	0	0	847442	857142
2	3	8	242536	94	1201	1076	612047	857142
3	1	19	303965	73	0	0	553104	857142
4	1	13	631940	62	0	0	225140	857142
5	3	9	750194	63	990	1694	104075	857142
6	2	8	785904	83	1678	0	69394	857142
7	3	13	434346	98	1704	945	419853	857142
8	1	16	615241	89	0	0	241812	857142
9	2	14	448493	95	1867	0	406592	857142
10	3	7	341303	57	1707	1848	512113	857142
11	2	16	152978	51	1890	0	702172	857142
12	1	14	579035	85	0	0	278022	857142
13	1	12	322559	83	0	0	534500	857142
14	1	13	563457	66	0	0	293619	857142

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**Title:** Aruba Networks, Inc. APIN0224, APIN0225  
**To:** FCC CFR 47 Part 15 Subpart E 15.407  
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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	12	243107	52	1742	967	385606	631578
2	2	6	107380	87	1145	0	522879	631578
3	1	12	540870	75	0	0	90633	631578
4	2	19	542262	71	1757	0	87417	631578
5	3	13	356572	67	1113	1006	272686	631578
6	3	8	94906	70	1710	1122	533630	631578
7	2	19	580441	63	1800	0	49211	631578
8	3	10	51838	50	1517	1397	576676	631578
9	2	12	136170	71	1577	0	493689	631578
10	2	17	459244	93	1311	0	170837	631578
11	3	13	453013	51	1461	1247	175704	631578
12	2	20	196599	85	1446	0	433363	631578
13	1	16	155651	50	0	0	475877	631578
14	2	14	581964	100	1535	0	47879	631578
15	2	11	39223	64	1187	0	591040	631578
16	3	19	215925	80	1392	1713	412308	631578
17	1	11	432234	90	0	0	199254	631578
18	1	10	393891	70	0	0	237617	631578
19	1	14	381252	78	0	0	250248	631578

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**Title:** Aruba Networks, Inc. APIN0224, APIN0225  
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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	11	433329	71	1691	1330	195015	631578
2	2	7	137735	63	1417	0	492300	631578
3	2	9	337848	81	1369	0	292199	631578
4	1	8	107721	77	0	0	523780	631578
5	1	9	377170	65	0	0	254343	631578
6	1	6	406496	50	0	0	225032	631578
7	3	10	315399	79	1813	1611	312518	631578
8	2	10	325958	82	1752	0	303704	631578
9	3	6	127877	58	1823	1250	500454	631578
10	1	7	568856	81	0	0	62641	631578
11	1	5	247609	97	0	0	383872	631578
12	2	12	505169	87	1089	0	125146	631578
13	3	14	350403	69	1911	1218	277839	631578
14	1	17	67722	66	0	0	563790	631578
15	3	7	279817	91	1201	925	349362	631578
16	1	11	595698	55	0	0	35825	631578
17	2	11	467641	93	1883	0	161868	631578
18	3	10	486566	82	1417	1175	142174	631578
19	1	13	66068	73	0	0	565437	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	17	429824	59	0	0	903450	1333333
2	1	10	683528	94	0	0	649711	1333333
3	2	19	1629	54	1588	0	1330008	1333333
4	3	14	542673	72	979	1161	788304	1333333
5	3	14	1220002	100	1136	1301	110594	1333333
6	3	13	476748	92	1241	1677	853391	1333333
7	2	19	1079861	59	1172	0	252182	1333333
8	1	16	690071	54	0	0	643208	1333333
9	2	14	1293496	95	1563	0	38084	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	18	573787	78	1071	0	24986	600000
2	1	8	87762	57	0	0	512181	600000
3	2	11	268593	98	1307	0	329904	600000
4	1	7	358094	91	0	0	241815	600000
5	3	12	371153	65	1053	1651	225948	600000
6	1	12	534004	98	0	0	65898	600000
7	2	20	257110	55	1524	0	341256	600000
8	3	9	484050	70	1660	1114	112966	600000
9	1	20	441844	73	0	0	158083	600000
10	2	19	175626	93	1599	0	422589	600000
11	2	16	557610	83	929	0	41295	600000
12	3	8	496846	77	1759	1126	100038	600000
13	1	9	495908	87	0	0	104005	600000
14	1	10	579318	82	0	0	20600	600000
15	2	17	596073	52	1033	0	2790	600000
16	3	18	62912	80	1413	1302	534133	600000
17	3	9	438757	70	1127	1350	158556	600000
18	2	15	223795	99	1663	0	374344	600000
19	1	13	210923	72	0	0	389005	600000
20	3	8	581172	70	1065	1623	15930	600000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	8	605993	60	1638	1519	247812	857142
2	1	18	43500	67	0	0	813575	857142
3	3	12	457062	87	1340	1653	396826	857142
4	3	15	174338	54	1613	1673	679356	857142
5	1	10	478734	95	0	0	378313	857142
6	2	8	306437	99	1554	0	548953	857142
7	3	9	815750	56	1402	1003	38819	857142
8	3	16	801992	57	1687	1252	52040	857142
9	1	16	75392	65	0	0	781685	857142
10	3	18	40196	53	1297	989	814501	857142
11	1	16	77729	88	0	0	779325	857142
12	2	5	212478	68	998	0	643530	857142
13	1	16	141097	58	0	0	715987	857142
14	2	20	496732	57	1623	0	358673	857142

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	19	1050916	98	1320	1167	279636	1333333
2	2	12	1212195	81	1639	0	119337	1333333
3	1	10	855924	65	0	0	477344	1333333
4	3	16	471876	76	1894	1524	857811	1333333
5	1	12	213680	81	0	0	1119572	1333333
6	3	7	1270086	82	1030	1850	60121	1333333
7	2	8	118553	64	1042	0	1213610	1333333
8	2	12	1033034	67	1234	0	298931	1333333
9	3	10	1154052	78	1260	1747	176040	1333333

Type 5 #29 5525.20 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	15	709475	89	1164	0	289183	1000000
2	3	17	256895	89	1247	1339	740252	1000000
3	2	11	538613	58	1450	0	459821	1000000
4	3	5	551678	76	997	1133	445964	1000000
5	2	8	822791	59	1609	0	175482	1000000
6	2	9	334951	79	1078	0	663813	1000000
7	3	14	699764	62	1278	1239	297533	1000000
8	3	12	951001	65	1239	1688	45877	1000000
9	1	7	340606	100	0	0	659294	1000000
10	1	14	816013	50	0	0	183937	1000000
11	3	7	440382	90	1880	1239	556229	1000000
12	1	7	158521	52	0	0	841427	1000000

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**Type 6 #1 [Back to Summary]**

**This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps**

#01-5353	#02-5278	#03-5378	#04-5688	#05-5532	#06-5679	#07-5636	#08-5329	#09-5363	#10-5280
#11-5650	#12-5598	#13-5539	#14-5630	#15-5482	#16-5301	#17-5372	#18-5500	#19-5479	#20-5424
#21-5522	#22-5579	#23-5412	#24-5510	#25-5300	#26-5290	#27-5559	#28-5255	#29-5657	#30-5576
#31-5552	#32-5320	#33-5394	#34-5291	#35-5578	#36-5574	#37-5324	#38-5433	#39-5362	#40-5283
#41-5616	#42-5496	#43-5711	#44-5275	#45-5337	#46-5374	#47-5330	#48-5648	#49-5408	#50-5609
#51-5494	#52-5569	#53-5625	#54-5555	#55-5423	#56-5691	#57-5427	#58-5481	#59-5639	#60-5326
#61-5430	#62-5428	#63-5348	#64-5527	#65-5395	#66-5638	#67-5633	#68-5701	#69-5663	#70-5387
#71-5704	#72-5391	#73-5631	#74-5333	#75-5425	#76-5484	#77-5640	#78-5331	#79-5499	#80-5692
#81-5307	#82-5475	#83-5461	#84-5404	#85-5607	#86-5622	#87-5676	#88-5448	#89-5684	#90-5436
#91-5317	#92-5613	#93-5472	#94-5667	#95-5279	#96-5265	#97-5431	#98-5670	#99-5357	#100-5590

**Type 6 #2 [Back to Summary]**

**This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps**

#01-5484	#02-5649	#03-5340	#04-5516	#05-5667	#06-5518	#07-5723	#08-5572	#09-5717	#10-5655
#11-5461	#12-5291	#13-5302	#14-5626	#15-5427	#16-5621	#17-5275	#18-5329	#19-5711	#20-5664
#21-5530	#22-5431	#23-5445	#24-5266	#25-5536	#26-5261	#27-5271	#28-5429	#29-5449	#30-5315
#31-5317	#32-5674	#33-5610	#34-5259	#35-5537	#36-5314	#37-5341	#38-5679	#39-5408	#40-5576
#41-5691	#42-5505	#43-5581	#44-5571	#45-5420	#46-5284	#47-5383	#48-5715	#49-5352	#50-5683
#51-5417	#52-5310	#53-5453	#54-5324	#55-5704	#56-5656	#57-5497	#58-5544	#59-5372	#60-5651
#61-5588	#62-5439	#63-5416	#64-5616	#65-5615	#66-5556	#67-5658	#68-5374	#69-5553	#70-5464
#71-5678	#72-5465	#73-5409	#74-5690	#75-5565	#76-5394	#77-5316	#78-5325	#79-5313	#80-5506
#81-5549	#82-5682	#83-5333	#84-5362	#85-5273	#86-5636	#87-5630	#88-5289	#89-5642	#90-5392
#91-5480	#92-5254	#93-5400	#94-5551	#95-5306	#96-5703	#97-5380	#98-5356	#99-5562	#100-5514

**Type 6 #3 [Back to Summary]**

**This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps**

#01-5639	#02-5264	#03-5340	#04-5517	#05-5399	#06-5305	#07-5576	#08-5623	#09-5375	#10-5559
#11-5591	#12-5659	#13-5532	#14-5565	#15-5546	#16-5351	#17-5641	#18-5475	#19-5425	#20-5272
#21-5267	#22-5460	#23-5561	#24-5554	#25-5250	#26-5490	#27-5269	#28-5711	#29-5658	#30-5553
#31-5443	#32-5369	#33-5544	#34-5326	#35-5347	#36-5480	#37-5397	#38-5438	#39-5268	#40-5266
#41-5645	#42-5387	#43-5465	#44-5587	#45-5710	#46-5484	#47-5601	#48-5463	#49-5368	#50-5606
#51-5386	#52-5491	#53-5621	#54-5529	#55-5503	#56-5687	#57-5398	#58-5540	#59-5556	#60-5636
#61-5442	#62-5256	#63-5539	#64-5712	#65-5489	#66-5449	#67-5417	#68-5522	#69-5328	#70-5327
#71-5254	#72-5251	#73-5424	#74-5338	#75-5388	#76-5504	#77-5509	#78-5359	#79-5444	#80-5434
#81-5562	#82-5707	#83-5302	#84-5430	#85-5543	#86-5405	#87-5406	#88-5331	#89-5582	#90-5357
#91-5549	#92-5638	#93-5713	#94-5651	#95-5599	#96-5471	#97-5285	#98-5665	#99-5290	#100-5528

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Type 6 #4 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5399	#02-5487	#03-5619	#04-5714	#05-5328	#06-5598	#07-5260	#08-5285	#09-5296	#10-5526
#11-5722	#12-5546	#13-5560	#14-5556	#15-5659	#16-5309	#17-5630	#18-5262	#19-5366	#20-5721
#21-5469	#22-5356	#23-5621	#24-5427	#25-5626	#26-5435	#27-5412	#28-5514	#29-5283	#30-5474
#31-5650	#32-5504	#33-5394	#34-5284	#35-5558	#36-5540	#37-5535	#38-5554	#39-5326	#40-5532
#41-5321	#42-5547	#43-5559	#44-5551	#45-5341	#46-5403	#47-5344	#48-5664	#49-5379	#50-5421
#51-5549	#52-5294	#53-5293	#54-5590	#55-5442	#56-5337	#57-5617	#58-5436	#59-5471	#60-5251
#61-5600	#62-5468	#63-5402	#64-5723	#65-5369	#66-5498	#67-5660	#68-5649	#69-5647	#70-5521
#71-5314	#72-5534	#73-5282	#74-5317	#75-5574	#76-5596	#77-5478	#78-5679	#79-5349	#80-5699
#81-5515	#82-5674	#83-5342	#84-5466	#85-5434	#86-5346	#87-5575	#88-5545	#89-5261	#90-5680
#91-5333	#92-5663	#93-5602	#94-5638	#95-5303	#96-5486	#97-5716	#98-5386	#99-5496	#100-5525

Type 6 #5 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5566	#02-5528	#03-5585	#04-5368	#05-5621	#06-5380	#07-5452	#08-5372	#09-5513	#10-5302
#11-5551	#12-5458	#13-5419	#14-5406	#15-5584	#16-5475	#17-5462	#18-5324	#19-5352	#20-5509
#21-5359	#22-5517	#23-5595	#24-5405	#25-5696	#26-5279	#27-5683	#28-5290	#29-5717	#30-5688
#31-5705	#32-5563	#33-5268	#34-5399	#35-5500	#36-5663	#37-5574	#38-5702	#39-5678	#40-5414
#41-5533	#42-5558	#43-5544	#44-5611	#45-5300	#46-5613	#47-5375	#48-5481	#49-5444	#50-5260
#51-5504	#52-5294	#53-5283	#54-5711	#55-5416	#56-5299	#57-5657	#58-5430	#59-5396	#60-5591
#61-5421	#62-5412	#63-5550	#64-5321	#65-5712	#66-5439	#67-5270	#68-5630	#69-5646	#70-5626
#71-5484	#72-5371	#73-5662	#74-5700	#75-5525	#76-5698	#77-5709	#78-5354	#79-5333	#80-5628
#81-5451	#82-5571	#83-5706	#84-5433	#85-5661	#86-5529	#87-5282	#88-5707	#89-5255	#90-5394
#91-5556	#92-5336	#93-5428	#94-5718	#95-5539	#96-5312	#97-5423	#98-5355	#99-5576	#100-5522

Type 6 #6 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5358	#02-5270	#03-5647	#04-5345	#05-5260	#06-5616	#07-5326	#08-5673	#09-5325	#10-5312
#11-5688	#12-5695	#13-5566	#14-5398	#15-5367	#16-5385	#17-5433	#18-5406	#19-5287	#20-5428
#21-5641	#22-5482	#23-5652	#24-5285	#25-5669	#26-5579	#27-5346	#28-5704	#29-5420	#30-5291
#31-5634	#32-5523	#33-5599	#34-5298	#35-5597	#36-5413	#37-5264	#38-5271	#39-5341	#40-5375
#41-5306	#42-5318	#43-5493	#44-5373	#45-5272	#46-5530	#47-5280	#48-5601	#49-5403	#50-5604
#51-5267	#52-5317	#53-5606	#54-5342	#55-5612	#56-5401	#57-5519	#58-5503	#59-5284	#60-5402
#61-5414	#62-5517	#63-5525	#64-5678	#65-5371	#66-5724	#67-5671	#68-5303	#69-5584	#70-5409
#71-5636	#72-5316	#73-5353	#74-5266	#75-5411	#76-5617	#77-5456	#78-5451	#79-5416	#80-5721
#81-5321	#82-5376	#83-5282	#84-5589	#85-5546	#86-5278	#87-5528	#88-5283	#89-5340	#90-5683
#91-5651	#92-5262	#93-5479	#94-5648	#95-5605	#96-5370	#97-5436	#98-5658	#99-5700	#100-5478

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Type 6 #7 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5357	#02-5452	#03-5718	#04-5486	#05-5597	#06-5510	#07-5683	#08-5619	#09-5350	#10-5529
#11-5606	#12-5719	#13-5691	#14-5521	#15-5374	#16-5274	#17-5305	#18-5380	#19-5318	#20-5677
#21-5720	#22-5285	#23-5562	#24-5430	#25-5708	#26-5530	#27-5261	#28-5335	#29-5355	#30-5394
#31-5534	#32-5388	#33-5401	#34-5481	#35-5344	#36-5292	#37-5410	#38-5555	#39-5250	#40-5281
#41-5636	#42-5674	#43-5291	#44-5288	#45-5638	#46-5321	#47-5306	#48-5590	#49-5272	#50-5482
#51-5615	#52-5538	#53-5502	#54-5317	#55-5498	#56-5598	#57-5513	#58-5681	#59-5468	#60-5567
#61-5412	#62-5289	#63-5280	#64-5713	#65-5263	#66-5694	#67-5487	#68-5689	#69-5612	#70-5669
#71-5616	#72-5650	#73-5339	#74-5284	#75-5427	#76-5478	#77-5523	#78-5378	#79-5296	#80-5409
#81-5453	#82-5471	#83-5514	#84-5343	#85-5377	#86-5493	#87-5680	#88-5548	#89-5446	#90-5476
#91-5295	#92-5332	#93-5678	#94-5336	#95-5352	#96-5320	#97-5518	#98-5672	#99-5252	#100-5399

Type 6 #8 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5558	#02-5425	#03-5573	#04-5508	#05-5478	#06-5503	#07-5491	#08-5670	#09-5438	#10-5365
#11-5604	#12-5551	#13-5492	#14-5474	#15-5600	#16-5430	#17-5549	#18-5445	#19-5418	#20-5657
#21-5565	#22-5473	#23-5390	#24-5374	#25-5677	#26-5391	#27-5420	#28-5308	#29-5461	#30-5451
#31-5321	#32-5681	#33-5643	#34-5458	#35-5594	#36-5264	#37-5427	#38-5603	#39-5257	#40-5361
#41-5415	#42-5388	#43-5454	#44-5460	#45-5647	#46-5495	#47-5322	#48-5504	#49-5320	#50-5559
#51-5334	#52-5284	#53-5693	#54-5383	#55-5526	#56-5278	#57-5350	#58-5499	#59-5380	#60-5587
#61-5393	#62-5518	#63-5682	#64-5696	#65-5680	#66-5431	#67-5716	#68-5468	#69-5687	#70-5466
#71-5279	#72-5439	#73-5711	#74-5362	#75-5270	#76-5655	#77-5498	#78-5538	#79-5487	#80-5596
#81-5608	#82-5490	#83-5462	#84-5398	#85-5338	#86-5353	#87-5601	#88-5272	#89-5287	#90-5395
#91-5661	#92-5675	#93-5539	#94-5616	#95-5513	#96-5576	#97-5597	#98-5592	#99-5255	#100-5397

Type 6 #9 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5414	#02-5257	#03-5419	#04-5251	#05-5567	#06-5406	#07-5435	#08-5694	#09-5657	#10-5646
#11-5323	#12-5456	#13-5470	#14-5693	#15-5380	#16-5583	#17-5590	#18-5505	#19-5416	#20-5673
#21-5692	#22-5334	#23-5401	#24-5548	#25-5723	#26-5539	#27-5529	#28-5614	#29-5254	#30-5603
#31-5711	#32-5312	#33-5298	#34-5390	#35-5643	#36-5352	#37-5284	#38-5341	#39-5561	#40-5318
#41-5462	#42-5264	#43-5430	#44-5469	#45-5647	#46-5670	#47-5445	#48-5252	#49-5475	#50-5337
#51-5448	#52-5446	#53-5648	#54-5267	#55-5427	#56-5568	#57-5592	#58-5266	#59-5415	#60-5293
#61-5641	#62-5444	#63-5407	#64-5644	#65-5426	#66-5461	#67-5480	#68-5555	#69-5413	#70-5579
#71-5605	#72-5479	#73-5319	#74-5696	#75-5328	#76-5655	#77-5617	#78-5473	#79-5333	#80-5600
#81-5378	#82-5623	#83-5589	#84-5577	#85-5467	#86-5626	#87-5649	#88-5441	#89-5474	#90-5544
#91-5627	#92-5348	#93-5710	#94-5724	#95-5636	#96-5493	#97-5709	#98-5508	#99-5421	#100-5311

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Type 6 #10 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5482	#02-5567	#03-5692	#04-5578	#05-5296	#06-5349	#07-5638	#08-5700	#09-5518	#10-5331
#11-5417	#12-5639	#13-5316	#14-5570	#15-5543	#16-5317	#17-5684	#18-5560	#19-5555	#20-5364
#21-5664	#22-5285	#23-5703	#24-5310	#25-5696	#26-5710	#27-5329	#28-5269	#29-5614	#30-5705
#31-5341	#32-5391	#33-5271	#34-5610	#35-5613	#36-5580	#37-5550	#38-5528	#39-5499	#40-5276
#41-5545	#42-5251	#43-5433	#44-5644	#45-5404	#46-5342	#47-5659	#48-5533	#49-5398	#50-5677
#51-5306	#52-5372	#53-5447	#54-5589	#55-5631	#56-5606	#57-5618	#58-5335	#59-5538	#60-5707
#61-5326	#62-5334	#63-5724	#64-5429	#65-5522	#66-5432	#67-5320	#68-5255	#69-5561	#70-5414
#71-5258	#72-5407	#73-5309	#74-5513	#75-5650	#76-5651	#77-5679	#78-5421	#79-5675	#80-5388
#81-5498	#82-5669	#83-5668	#84-5406	#85-5257	#86-5519	#87-5531	#88-5634	#89-5463	#90-5562
#91-5649	#92-5699	#93-5476	#94-5418	#95-5672	#96-5470	#97-5682	#98-5439	#99-5571	#100-5343

Type 6 #11 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5718	#02-5344	#03-5692	#04-5380	#05-5367	#06-5282	#07-5663	#08-5560	#09-5304	#10-5485
#11-5365	#12-5454	#13-5313	#14-5435	#15-5448	#16-5652	#17-5250	#18-5520	#19-5569	#20-5385
#21-5414	#22-5396	#23-5675	#24-5356	#25-5452	#26-5683	#27-5506	#28-5440	#29-5278	#30-5711
#31-5479	#32-5698	#33-5382	#34-5638	#35-5526	#36-5436	#37-5666	#38-5283	#39-5346	#40-5530
#41-5513	#42-5590	#43-5463	#44-5429	#45-5272	#46-5399	#47-5708	#48-5473	#49-5543	#50-5682
#51-5644	#52-5588	#53-5654	#54-5572	#55-5393	#56-5586	#57-5409	#58-5501	#59-5472	#60-5532
#61-5317	#62-5256	#63-5391	#64-5321	#65-5634	#66-5262	#67-5710	#68-5423	#69-5289	#70-5398
#71-5625	#72-5531	#73-5461	#74-5651	#75-5533	#76-5523	#77-5691	#78-5460	#79-5279	#80-5559
#81-5360	#82-5670	#83-5709	#84-5678	#85-5292	#86-5330	#87-5355	#88-5662	#89-5489	#90-5706
#91-5522	#92-5456	#93-5288	#94-5676	#95-5724	#96-5324	#97-5557	#98-5715	#99-5470	#100-5548

Type 6 #12 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5288	#02-5278	#03-5291	#04-5656	#05-5660	#06-5472	#07-5600	#08-5703	#09-5505	#10-5321
#11-5421	#12-5280	#13-5376	#14-5415	#15-5680	#16-5694	#17-5629	#18-5586	#19-5486	#20-5260
#21-5634	#22-5643	#23-5258	#24-5255	#25-5613	#26-5478	#27-5534	#28-5449	#29-5479	#30-5627
#31-5289	#32-5339	#33-5537	#34-5632	#35-5681	#36-5637	#37-5360	#38-5395	#39-5607	#40-5312
#41-5300	#42-5708	#43-5484	#44-5284	#45-5257	#46-5549	#47-5559	#48-5368	#49-5492	#50-5652
#51-5378	#52-5709	#53-5538	#54-5282	#55-5651	#56-5297	#57-5719	#58-5315	#59-5503	#60-5275
#61-5419	#62-5723	#63-5332	#64-5468	#65-5458	#66-5293	#67-5583	#68-5424	#69-5684	#70-5498
#71-5695	#72-5605	#73-5653	#74-5700	#75-5330	#76-5712	#77-5699	#78-5635	#79-5355	#80-5724
#81-5504	#82-5570	#83-5604	#84-5433	#85-5348	#86-5721	#87-5521	#88-5682	#89-5465	#90-5485
#91-5677	#92-5513	#93-5331	#94-5350	#95-5325	#96-5633	#97-5418	#98-5399	#99-5578	#100-5452

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Type 6 #13 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5351	#02-5509	#03-5681	#04-5416	#05-5315	#06-5340	#07-5423	#08-5287	#09-5444	#10-5338
#11-5702	#12-5469	#13-5689	#14-5613	#15-5413	#16-5399	#17-5386	#18-5428	#19-5412	#20-5693
#21-5518	#22-5263	#23-5268	#24-5342	#25-5572	#26-5599	#27-5255	#28-5329	#29-5531	#30-5485
#31-5545	#32-5395	#33-5301	#34-5345	#35-5477	#36-5657	#37-5547	#38-5630	#39-5348	#40-5644
#41-5271	#42-5397	#43-5700	#44-5294	#45-5366	#46-5462	#47-5636	#48-5483	#49-5282	#50-5309
#51-5356	#52-5415	#53-5558	#54-5495	#55-5663	#56-5323	#57-5467	#58-5465	#59-5417	#60-5683
#61-5637	#62-5577	#63-5406	#64-5638	#65-5393	#66-5317	#67-5647	#68-5453	#69-5517	#70-5522
#71-5313	#72-5299	#73-5496	#74-5590	#75-5292	#76-5298	#77-5456	#78-5387	#79-5343	#80-5571
#81-5499	#82-5426	#83-5438	#84-5704	#85-5543	#86-5635	#87-5574	#88-5539	#89-5583	#90-5330
#91-5414	#92-5655	#93-5686	#94-5358	#95-5544	#96-5695	#97-5318	#98-5568	#99-5561	#100-5553

Type 6 #14 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5516	#02-5559	#03-5351	#04-5434	#05-5311	#06-5630	#07-5620	#08-5275	#09-5261	#10-5328
#11-5324	#12-5361	#13-5388	#14-5401	#15-5692	#16-5344	#17-5483	#18-5468	#19-5358	#20-5595
#21-5437	#22-5357	#23-5383	#24-5338	#25-5296	#26-5474	#27-5327	#28-5252	#29-5319	#30-5499
#31-5260	#32-5671	#33-5634	#34-5604	#35-5602	#36-5573	#37-5669	#38-5643	#39-5557	#40-5318
#41-5336	#42-5581	#43-5574	#44-5695	#45-5392	#46-5576	#47-5600	#48-5350	#49-5452	#50-5682
#51-5329	#52-5451	#53-5693	#54-5345	#55-5648	#56-5584	#57-5396	#58-5672	#59-5259	#60-5258
#61-5549	#62-5441	#63-5492	#64-5337	#65-5466	#66-5711	#67-5523	#68-5439	#69-5288	#70-5369
#71-5270	#72-5526	#73-5489	#74-5418	#75-5628	#76-5623	#77-5618	#78-5484	#79-5398	#80-5532
#81-5713	#82-5555	#83-5403	#84-5633	#85-5262	#86-5650	#87-5335	#88-5497	#89-5609	#90-5308
#91-5281	#92-5472	#93-5503	#94-5625	#95-5488	#96-5384	#97-5372	#98-5649	#99-5551	#100-5644

Type 6 #15 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5685	#02-5430	#03-5417	#04-5581	#05-5479	#06-5680	#07-5497	#08-5470	#09-5365	#10-5499
#11-5400	#12-5544	#13-5453	#14-5662	#15-5659	#16-5557	#17-5698	#18-5709	#19-5438	#20-5667
#21-5403	#22-5310	#23-5494	#24-5266	#25-5639	#26-5253	#27-5385	#28-5317	#29-5496	#30-5559
#31-5572	#32-5519	#33-5318	#34-5594	#35-5697	#36-5466	#37-5406	#38-5420	#39-5379	#40-5724
#41-5388	#42-5668	#43-5553	#44-5605	#45-5653	#46-5299	#47-5687	#48-5551	#49-5399	#50-5665
#51-5363	#52-5320	#53-5491	#54-5624	#55-5487	#56-5647	#57-5565	#58-5677	#59-5362	#60-5664
#61-5274	#62-5384	#63-5341	#64-5542	#65-5539	#66-5308	#67-5264	#68-5366	#69-5364	#70-5613
#71-5338	#72-5589	#73-5290	#74-5556	#75-5490	#76-5346	#77-5619	#78-5458	#79-5449	#80-5552
#81-5695	#82-5459	#83-5580	#84-5427	#85-5611	#86-5710	#87-5324	#88-5614	#89-5302	#90-5628
#91-5640	#92-5620	#93-5590	#94-5460	#95-5582	#96-5376	#97-5304	#98-5476	#99-5508	#100-5373

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Type 6 #16 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5283	#02-5476	#03-5700	#04-5637	#05-5531	#06-5497	#07-5294	#08-5345	#09-5550	#10-5557
#11-5347	#12-5478	#13-5522	#14-5701	#15-5683	#16-5606	#17-5307	#18-5279	#19-5292	#20-5474
#21-5561	#22-5435	#23-5674	#24-5394	#25-5691	#26-5489	#27-5493	#28-5404	#29-5322	#30-5326
#31-5437	#32-5335	#33-5510	#34-5339	#35-5605	#36-5515	#37-5330	#38-5552	#39-5569	#40-5682
#41-5328	#42-5332	#43-5523	#44-5362	#45-5663	#46-5417	#47-5423	#48-5319	#49-5446	#50-5465
#51-5624	#52-5447	#53-5291	#54-5275	#55-5492	#56-5564	#57-5607	#58-5257	#59-5526	#60-5665
#61-5477	#62-5480	#63-5635	#64-5392	#65-5261	#66-5612	#67-5340	#68-5702	#69-5681	#70-5629
#71-5604	#72-5357	#73-5592	#74-5596	#75-5578	#76-5608	#77-5325	#78-5705	#79-5253	#80-5696
#81-5436	#82-5313	#83-5297	#84-5580	#85-5272	#86-5490	#87-5439	#88-5544	#89-5293	#90-5266
#91-5575	#92-5576	#93-5613	#94-5694	#95-5652	#96-5718	#97-5342	#98-5250	#99-5719	#100-5567

Type 6 #17 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5659	#02-5408	#03-5621	#04-5711	#05-5517	#06-5373	#07-5450	#08-5685	#09-5474	#10-5600
#11-5663	#12-5680	#13-5673	#14-5564	#15-5473	#16-5317	#17-5461	#18-5492	#19-5645	#20-5586
#21-5588	#22-5506	#23-5265	#24-5708	#25-5608	#26-5413	#27-5614	#28-5623	#29-5635	#30-5365
#31-5696	#32-5441	#33-5470	#34-5362	#35-5422	#36-5376	#37-5503	#38-5647	#39-5420	#40-5567
#41-5306	#42-5351	#43-5700	#44-5674	#45-5264	#46-5703	#47-5403	#48-5591	#49-5605	#50-5722
#51-5329	#52-5383	#53-5704	#54-5392	#55-5638	#56-5352	#57-5353	#58-5484	#59-5464	#60-5311
#61-5563	#62-5485	#63-5692	#64-5489	#65-5453	#66-5452	#67-5300	#68-5666	#69-5682	#70-5569
#71-5268	#72-5532	#73-5405	#74-5289	#75-5283	#76-5594	#77-5435	#78-5460	#79-5369	#80-5280
#81-5368	#82-5616	#83-5308	#84-5491	#85-5684	#86-5279	#87-5463	#88-5401	#89-5544	#90-5661
#91-5719	#92-5513	#93-5465	#94-5706	#95-5500	#96-5676	#97-5540	#98-5323	#99-5402	#100-5579

Type 6 #18 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5365	#02-5422	#03-5722	#04-5353	#05-5604	#06-5482	#07-5643	#08-5273	#09-5344	#10-5427
#11-5532	#12-5367	#13-5326	#14-5430	#15-5687	#16-5492	#17-5271	#18-5452	#19-5531	#20-5275
#21-5538	#22-5640	#23-5537	#24-5617	#25-5548	#26-5301	#27-5659	#28-5508	#29-5554	#30-5535
#31-5357	#32-5690	#33-5286	#34-5668	#35-5318	#36-5686	#37-5650	#38-5584	#39-5626	#40-5638
#41-5258	#42-5541	#43-5705	#44-5347	#45-5630	#46-5319	#47-5434	#48-5519	#49-5596	#50-5377
#51-5291	#52-5449	#53-5609	#54-5355	#55-5529	#56-5552	#57-5388	#58-5708	#59-5489	#60-5515
#61-5425	#62-5402	#63-5289	#64-5487	#65-5618	#66-5530	#67-5345	#68-5592	#69-5613	#70-5374
#71-5624	#72-5631	#73-5720	#74-5636	#75-5451	#76-5396	#77-5371	#78-5324	#79-5285	#80-5664
#81-5716	#82-5563	#83-5719	#84-5468	#85-5433	#86-5580	#87-5282	#88-5505	#89-5642	#90-5399
#91-5649	#92-5670	#93-5590	#94-5557	#95-5644	#96-5629	#97-5423	#98-5253	#99-5477	#100-5392

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Type 6 #19 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5542	#02-5613	#03-5444	#04-5328	#05-5405	#06-5363	#07-5586	#08-5414	#09-5479	#10-5678
#11-5433	#12-5563	#13-5295	#14-5268	#15-5434	#16-5674	#17-5699	#18-5560	#19-5358	#20-5456
#21-5475	#22-5413	#23-5321	#24-5357	#25-5505	#26-5530	#27-5443	#28-5451	#29-5420	#30-5587
#31-5660	#32-5489	#33-5559	#34-5577	#35-5651	#36-5545	#37-5386	#38-5292	#39-5601	#40-5391
#41-5306	#42-5709	#43-5713	#44-5696	#45-5346	#46-5356	#47-5538	#48-5460	#49-5679	#50-5448
#51-5418	#52-5369	#53-5522	#54-5641	#55-5378	#56-5337	#57-5548	#58-5600	#59-5644	#60-5385
#61-5719	#62-5617	#63-5267	#64-5668	#65-5253	#66-5342	#67-5614	#68-5537	#69-5657	#70-5684
#71-5691	#72-5399	#73-5491	#74-5425	#75-5349	#76-5260	#77-5398	#78-5710	#79-5629	#80-5715
#81-5465	#82-5388	#83-5492	#84-5370	#85-5287	#86-5252	#87-5299	#88-5469	#89-5250	#90-5472
#91-5645	#92-5714	#93-5345	#94-5402	#95-5352	#96-5446	#97-5571	#98-5392	#99-5516	#100-5458

Type 6 #20 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5402	#02-5372	#03-5400	#04-5678	#05-5442	#06-5326	#07-5399	#08-5614	#09-5265	#10-5394
#11-5504	#12-5478	#13-5499	#14-5548	#15-5691	#16-5508	#17-5545	#18-5611	#19-5487	#20-5437
#21-5683	#22-5469	#23-5479	#24-5501	#25-5329	#26-5395	#27-5583	#28-5295	#29-5608	#30-5433
#31-5323	#32-5597	#33-5283	#34-5692	#35-5640	#36-5509	#37-5568	#38-5534	#39-5698	#40-5320
#41-5360	#42-5456	#43-5459	#44-5591	#45-5429	#46-5578	#47-5386	#48-5569	#49-5625	#50-5684
#51-5629	#52-5328	#53-5500	#54-5658	#55-5618	#56-5623	#57-5598	#58-5296	#59-5468	#60-5353
#61-5256	#62-5557	#63-5724	#64-5431	#65-5606	#66-5466	#67-5581	#68-5301	#69-5723	#70-5701
#71-5327	#72-5514	#73-5367	#74-5572	#75-5262	#76-5702	#77-5292	#78-5463	#79-5254	#80-5634
#81-5289	#82-5532	#83-5435	#84-5418	#85-5519	#86-5284	#87-5271	#88-5610	#89-5695	#90-5480
#91-5354	#92-5624	#93-5277	#94-5710	#95-5687	#96-5722	#97-5335	#98-5570	#99-5649	#100-5365

Type 6 #21 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5685	#02-5653	#03-5645	#04-5640	#05-5581	#06-5384	#07-5329	#08-5464	#09-5444	#10-5692
#11-5274	#12-5538	#13-5262	#14-5337	#15-5682	#16-5546	#17-5279	#18-5363	#19-5255	#20-5564
#21-5284	#22-5401	#23-5468	#24-5450	#25-5264	#26-5477	#27-5253	#28-5256	#29-5548	#30-5443
#31-5607	#32-5553	#33-5303	#34-5558	#35-5579	#36-5356	#37-5278	#38-5560	#39-5408	#40-5265
#41-5496	#42-5386	#43-5599	#44-5687	#45-5623	#46-5254	#47-5425	#48-5305	#49-5456	#50-5643
#51-5292	#52-5330	#53-5534	#54-5435	#55-5532	#56-5439	#57-5567	#58-5632	#59-5325	#60-5457
#61-5620	#62-5499	#63-5391	#64-5710	#65-5684	#66-5503	#67-5352	#68-5433	#69-5648	#70-5334
#71-5419	#72-5406	#73-5268	#74-5629	#75-5332	#76-5488	#77-5724	#78-5723	#79-5555	#80-5493
#81-5711	#82-5688	#83-5511	#84-5697	#85-5273	#86-5394	#87-5556	#88-5641	#89-5436	#90-5533
#91-5601	#92-5612	#93-5458	#94-5702	#95-5369	#96-5627	#97-5717	#98-5382	#99-5371	#100-5473

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**Title:** Aruba Networks, Inc. APIN0224, APIN0225  
**To:** FCC CFR 47 Part 15 Subpart E 15.407  
**Serial #:** ARUB206-U19\_DFS Rev B  
**Issue Date:** 27<sup>th</sup> May 2016  
**Page:** 153 of 156

Type 6 #22 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5611	#02-5312	#03-5630	#04-5353	#05-5293	#06-5676	#07-5567	#08-5302	#09-5326	#10-5627
#11-5377	#12-5512	#13-5427	#14-5448	#15-5711	#16-5480	#17-5683	#18-5601	#19-5256	#20-5623
#21-5491	#22-5323	#23-5460	#24-5278	#25-5445	#26-5280	#27-5510	#28-5668	#29-5346	#30-5562
#31-5360	#32-5589	#33-5464	#34-5624	#35-5635	#36-5368	#37-5291	#38-5513	#39-5690	#40-5593
#41-5255	#42-5631	#43-5473	#44-5349	#45-5503	#46-5319	#47-5614	#48-5366	#49-5376	#50-5707
#51-5537	#52-5577	#53-5602	#54-5633	#55-5262	#56-5416	#57-5566	#58-5704	#59-5314	#60-5267
#61-5647	#62-5687	#63-5548	#64-5325	#65-5361	#66-5641	#67-5338	#68-5615	#69-5318	#70-5553
#71-5529	#72-5345	#73-5250	#74-5599	#75-5571	#76-5402	#77-5446	#78-5709	#79-5482	#80-5337
#81-5308	#82-5383	#83-5500	#84-5524	#85-5694	#86-5284	#87-5275	#88-5456	#89-5317	#90-5680
#91-5718	#92-5502	#93-5277	#94-5335	#95-5443	#96-5342	#97-5469	#98-5273	#99-5322	#100-5409

Type 6 #23 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5275	#02-5720	#03-5551	#04-5592	#05-5283	#06-5530	#07-5455	#08-5461	#09-5267	#10-5595
#11-5507	#12-5562	#13-5492	#14-5311	#15-5580	#16-5292	#17-5712	#18-5322	#19-5642	#20-5658
#21-5301	#22-5605	#23-5319	#24-5375	#25-5418	#26-5623	#27-5648	#28-5389	#29-5284	#30-5571
#31-5488	#32-5364	#33-5668	#34-5289	#35-5448	#36-5699	#37-5423	#38-5621	#39-5586	#40-5468
#41-5701	#42-5631	#43-5495	#44-5439	#45-5567	#46-5381	#47-5486	#48-5426	#49-5286	#50-5250
#51-5619	#52-5328	#53-5358	#54-5395	#55-5651	#56-5384	#57-5607	#58-5315	#59-5593	#60-5707
#61-5427	#62-5661	#63-5324	#64-5377	#65-5367	#66-5541	#67-5569	#68-5263	#69-5624	#70-5271
#71-5321	#72-5557	#73-5628	#74-5412	#75-5604	#76-5704	#77-5306	#78-5516	#79-5627	#80-5416
#81-5723	#82-5417	#83-5676	#84-5409	#85-5256	#86-5523	#87-5363	#88-5525	#89-5264	#90-5520
#91-5599	#92-5719	#93-5453	#94-5559	#95-5365	#96-5670	#97-5582	#98-5272	#99-5351	#100-5598

Type 6 #24 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5257	#02-5525	#03-5491	#04-5488	#05-5547	#06-5444	#07-5327	#08-5340	#09-5412	#10-5427
#11-5708	#12-5259	#13-5709	#14-5640	#15-5371	#16-5568	#17-5428	#18-5462	#19-5584	#20-5256
#21-5683	#22-5634	#23-5295	#24-5588	#25-5591	#26-5502	#27-5682	#28-5558	#29-5700	#30-5316
#31-5401	#32-5455	#33-5282	#34-5599	#35-5449	#36-5330	#37-5686	#38-5649	#39-5358	#40-5422
#41-5260	#42-5574	#43-5318	#44-5421	#45-5492	#46-5285	#47-5535	#48-5456	#49-5567	#50-5581
#51-5529	#52-5580	#53-5461	#54-5563	#55-5593	#56-5668	#57-5631	#58-5641	#59-5553	#60-5347
#61-5382	#62-5623	#63-5332	#64-5417	#65-5510	#66-5624	#67-5489	#68-5445	#69-5389	#70-5523
#71-5331	#72-5440	#73-5415	#74-5549	#75-5670	#76-5613	#77-5426	#78-5320	#79-5672	#80-5474
#81-5336	#82-5627	#83-5554	#84-5252	#85-5501	#86-5667	#87-5610	#88-5663	#89-5662	#90-5403
#91-5509	#92-5289	#93-5306	#94-5441	#95-5482	#96-5265	#97-5319	#98-5566	#99-5368	#100-5420

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Type 6 #25 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5543	#02-5277	#03-5359	#04-5483	#05-5399	#06-5632	#07-5398	#08-5721	#09-5514	#10-5681
#11-5621	#12-5713	#13-5502	#14-5428	#15-5371	#16-5446	#17-5501	#18-5585	#19-5262	#20-5676
#21-5630	#22-5557	#23-5469	#24-5280	#25-5615	#26-5283	#27-5536	#28-5578	#29-5612	#30-5484
#31-5411	#32-5383	#33-5497	#34-5392	#35-5374	#36-5500	#37-5430	#38-5512	#39-5496	#40-5444
#41-5513	#42-5499	#43-5349	#44-5310	#45-5301	#46-5529	#47-5542	#48-5286	#49-5488	#50-5459
#51-5554	#52-5468	#53-5637	#54-5445	#55-5452	#56-5508	#57-5598	#58-5587	#59-5627	#60-5447
#61-5460	#62-5579	#63-5254	#64-5285	#65-5670	#66-5321	#67-5322	#68-5491	#69-5486	#70-5413
#71-5381	#72-5457	#73-5408	#74-5703	#75-5336	#76-5270	#77-5719	#78-5373	#79-5275	#80-5581
#81-5696	#82-5278	#83-5480	#84-5654	#85-5610	#86-5702	#87-5253	#88-5622	#89-5582	#90-5370
#91-5597	#92-5575	#93-5524	#94-5545	#95-5340	#96-5417	#97-5386	#98-5313	#99-5649	#100-5304

Type 6 #26 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5506	#02-5712	#03-5456	#04-5474	#05-5422	#06-5577	#07-5593	#08-5574	#09-5503	#10-5421
#11-5603	#12-5608	#13-5701	#14-5530	#15-5317	#16-5310	#17-5344	#18-5318	#19-5629	#20-5293
#21-5509	#22-5555	#23-5558	#24-5537	#25-5423	#26-5452	#27-5681	#28-5614	#29-5518	#30-5296
#31-5698	#32-5699	#33-5666	#34-5403	#35-5478	#36-5556	#37-5295	#38-5714	#39-5521	#40-5455
#41-5696	#42-5563	#43-5548	#44-5477	#45-5279	#46-5323	#47-5445	#48-5270	#49-5261	#50-5722
#51-5407	#52-5623	#53-5692	#54-5609	#55-5533	#56-5419	#57-5372	#58-5546	#59-5532	#60-5335
#61-5561	#62-5252	#63-5376	#64-5632	#65-5590	#66-5487	#67-5640	#68-5496	#69-5414	#70-5349
#71-5586	#72-5667	#73-5597	#74-5671	#75-5276	#76-5687	#77-5702	#78-5508	#79-5504	#80-5510
#81-5672	#82-5486	#83-5544	#84-5399	#85-5522	#86-5647	#87-5610	#88-5350	#89-5457	#90-5622
#91-5355	#92-5489	#93-5557	#94-5307	#95-5286	#96-5274	#97-5620	#98-5661	#99-5472	#100-5674

Type 6 #27 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5662	#02-5710	#03-5262	#04-5535	#05-5289	#06-5579	#07-5592	#08-5377	#09-5330	#10-5539
#11-5311	#12-5345	#13-5347	#14-5617	#15-5427	#16-5700	#17-5665	#18-5418	#19-5256	#20-5570
#21-5299	#22-5401	#23-5716	#24-5426	#25-5646	#26-5447	#27-5394	#28-5450	#29-5467	#30-5485
#31-5302	#32-5549	#33-5321	#34-5449	#35-5584	#36-5661	#37-5598	#38-5442	#39-5506	#40-5260
#41-5482	#42-5719	#43-5376	#44-5265	#45-5560	#46-5259	#47-5392	#48-5664	#49-5605	#50-5310
#51-5333	#52-5451	#53-5654	#54-5626	#55-5624	#56-5511	#57-5561	#58-5614	#59-5567	#60-5434
#61-5635	#62-5569	#63-5487	#64-5274	#65-5623	#66-5282	#67-5490	#68-5352	#69-5473	#70-5637
#71-5721	#72-5338	#73-5305	#74-5590	#75-5636	#76-5304	#77-5455	#78-5406	#79-5402	#80-5575
#81-5619	#82-5419	#83-5323	#84-5667	#85-5286	#86-5553	#87-5663	#88-5551	#89-5340	#90-5334
#91-5532	#92-5503	#93-5494	#94-5632	#95-5365	#96-5683	#97-5585	#98-5658	#99-5538	#100-5486

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Type 6 #28 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5268	#02-5695	#03-5702	#04-5512	#05-5704	#06-5547	#07-5478	#08-5417	#09-5636	#10-5592
#11-5579	#12-5323	#13-5684	#14-5316	#15-5645	#16-5698	#17-5420	#18-5723	#19-5696	#20-5467
#21-5447	#22-5517	#23-5650	#24-5535	#25-5548	#26-5454	#27-5448	#28-5541	#29-5286	#30-5686
#31-5606	#32-5705	#33-5561	#34-5648	#35-5315	#36-5575	#37-5400	#38-5571	#39-5518	#40-5580
#41-5364	#42-5591	#43-5455	#44-5381	#45-5672	#46-5542	#47-5616	#48-5665	#49-5565	#50-5488
#51-5540	#52-5598	#53-5545	#54-5428	#55-5301	#56-5406	#57-5342	#58-5280	#59-5600	#60-5631
#61-5343	#62-5372	#63-5624	#64-5250	#65-5319	#66-5573	#67-5365	#68-5352	#69-5581	#70-5311
#71-5519	#72-5556	#73-5601	#74-5446	#75-5356	#76-5543	#77-5353	#78-5611	#79-5523	#80-5423
#81-5415	#82-5425	#83-5550	#84-5716	#85-5549	#86-5407	#87-5326	#88-5643	#89-5615	#90-5595
#91-5266	#92-5639	#93-5335	#94-5482	#95-5641	#96-5689	#97-5366	#98-5506	#99-5586	#100-5530

Type 6 #29 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5430	#02-5448	#03-5724	#04-5403	#05-5433	#06-5632	#07-5711	#08-5554	#09-5520	#10-5363
#11-5374	#12-5408	#13-5279	#14-5540	#15-5588	#16-5589	#17-5487	#18-5361	#19-5288	#20-5299
#21-5718	#22-5666	#23-5256	#24-5429	#25-5533	#26-5704	#27-5599	#28-5627	#29-5388	#30-5495
#31-5267	#32-5561	#33-5609	#34-5720	#35-5352	#36-5489	#37-5562	#38-5365	#39-5500	#40-5340
#41-5721	#42-5372	#43-5501	#44-5324	#45-5616	#46-5481	#47-5306	#48-5667	#49-5302	#50-5349
#51-5603	#52-5394	#53-5548	#54-5437	#55-5506	#56-5699	#57-5625	#58-5652	#59-5362	#60-5381
#61-5593	#62-5503	#63-5537	#64-5523	#65-5284	#66-5438	#67-5276	#68-5586	#69-5672	#70-5303
#71-5595	#72-5414	#73-5657	#74-5301	#75-5648	#76-5574	#77-5597	#78-5263	#79-5378	#80-5532
#81-5570	#82-5496	#83-5464	#84-5572	#85-5703	#86-5319	#87-5715	#88-5633	#89-5545	#90-5328
#91-5682	#92-5272	#93-5479	#94-5678	#95-5322	#96-5600	#97-5427	#98-5566	#99-5342	#100-5310

Type 6 #30 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5411	#02-5574	#03-5254	#04-5430	#05-5327	#06-5343	#07-5702	#08-5631	#09-5524	#10-5395
#11-5476	#12-5592	#13-5577	#14-5413	#15-5632	#16-5263	#17-5694	#18-5709	#19-5604	#20-5506
#21-5361	#22-5458	#23-5625	#24-5427	#25-5621	#26-5691	#27-5385	#28-5314	#29-5388	#30-5676
#31-5477	#32-5435	#33-5426	#34-5615	#35-5568	#36-5523	#37-5716	#38-5622	#39-5656	#40-5638
#41-5529	#42-5537	#43-5521	#44-5611	#45-5350	#46-5634	#47-5573	#48-5519	#49-5630	#50-5442
#51-5686	#52-5561	#53-5674	#54-5678	#55-5480	#56-5353	#57-5252	#58-5376	#59-5566	#60-5567
#61-5444	#62-5509	#63-5364	#64-5391	#65-5711	#66-5267	#67-5420	#68-5421	#69-5717	#70-5707
#71-5575	#72-5447	#73-5653	#74-5530	#75-5354	#76-5541	#77-5520	#78-5306	#79-5536	#80-5482
#81-5483	#82-5255	#83-5641	#84-5486	#85-5473	#86-5384	#87-5464	#88-5495	#89-5339	#90-5321
#91-5393	#92-5261	#93-5496	#94-5683	#95-5647	#96-5556	#97-5348	#98-5459	#99-5449	#100-5704

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