

Company: Aruba Networks, Inc.

Test of: 802.11b/g/n/ac APIN0204, APIN0205

To: FCC CFR 47 Part 15 Subpart E 15.407

Report No.: ARUB206-U5\_DFS Rev A

**DFS TEST REPORT**



# DFS TEST REPORT

FROM



Test of: Aruba Networks, Inc. APIN0204, APIN0205

to

To: FCC CFR 47 Part 15 Subpart E 15.407

Test Report Serial No.: ARUB206-U5\_DFS Rev A

This report supersedes: NONE

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

Product Function: Wireless Access Point

Issue Date: 11<sup>th</sup> May 2016

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

**MiCOM Labs, Inc.**  
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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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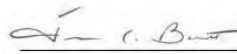
for technical competence in the field of

**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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**Title:** Aruba Networks, Inc. APIN0204, APIN0205  
**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>



## Accredited Product Certification Body

A2LA has accredited

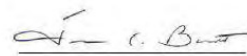
**MICOM LABS**

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This product certification body is accredited in accordance with the recognized International Standard ISO/IEC 17065:2012 *Requirements for bodies certifying products, processes and services*. This accreditation demonstrates technical competence for a defined scope and the operation of a management system.



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



Senior Director of Quality & Communications  
For the Accreditation Council  
Certificate Number 2381.02  
Valid to November 30, 2017

*For the product certification schemes to which this accreditation applies, please refer 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	10 <sup>th</sup> May 2016	
Rev A	11 <sup>th</sup> May 2016	Initial Release

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> APIN0204, APIN0205	<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> CM0019338	
<b>Test Date(s):</b> 4 <sup>th</sup> – 10 <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 D07 v01r01	8th April 2016	Test guidance to demonstrate compliance for U-NII devices subject to DFS requirements.
III	KDB 926956 D01 v01r06	8th April 2016	U-NII Device Transition Plan
IV	KDB 789033 D02 v01r02	8th April 2016	General UNII Test Procedures New Rules V01
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	2008	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 30 2006	Memorandum Opinion and Order
XI	FCC 47 CFR Part 15.407	2014	Radio Frequency Devices; Subpart E –Unlicensed National Information Infrastructure Devices
XII	ICES-003	Issue 6 Jan 2016	Spectrum Management and Telecommunications; Interference-Causing Equipment Standard. Information Technology Equipment (Including Digital Apparatus) – Limits and methods of measurement.
XIII	M 3003	Edition 3 Nov. 2012	Expression of Uncertainty and Confidence in Measurements
XIV	RSS-247 Issue 1	May 2015	Digital Transmission Systems (DTs), Frequency Hopping System (FHSs) and Licence-Exempt Local Area Network (LE-LEN) Devices
XV	RSS-Gen Issue 4	November 2014	General Requirements and Information for the Certification of Radiocommunication Equipment
XVI	KDB 644545 D03 v01	August 14th 2014	Guidance for IEEE 802.11ac New Rules
XVII	FCC 47 CFR Part 2.1033	2014	FCC requirements and rules regarding photographs and test setup diagrams.

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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 APIN0204, APIN0205 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-U5_DFS Draft
Date EUT received:	2 <sup>nd</sup> May 2016
Standard(s) applied:	FCC CFR 47 Part 15 Subpart E 15.407
Dates of test (from - to):	4 <sup>th</sup> – 10 <sup>th</sup> May 2016
No of Units Tested:	1
Type of Equipment:	802.11a/b/g/n/ac Wireless Access Point 2x2 Spatial Multiplexing MIMO configuration
Product Family Name:	Mid-Range 2x2:2 802.11ac Access Point
Model(s):	APIN0204, APIN0205
Location for use:	Indoor
Declared Frequency Range(s):	5250 - 5350 MHz; 5470 - 5725 MHz;
Primary function of equipment:	Wireless Access Point for transmitting data and voice.
Secondary function of equipment:	None provided
Type of Modulation:	OFDM
EUT Modes of Operation:	802.11a; 802.11n HT-20; 802.11n HT-40; 802.11ac-80;
Transmit/Receive Operation:	Time Division Duplex
Rated Input Voltage and Current:	POE (POE adaptor sold with unit) 56Vdc
Operating Temperature Range:	Declared Range 0°C to 40°C
ITU Emission Designator:	802.11a 16M7D1D 802.11n HT-20 17M8D1D 802.11n HT-40 36M3D1D 802.11ac-80 75M8D1D
Equipment Dimensions:	150mm x 150mm x 40mm
Weight:	3 lbs
Hardware Rev:	APIN0204: 43845
Software Rev:	APIN0204: 6.4.1.0

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## 5.2. Scope Of Test Program

### Aruba Networks, Inc. APIN0204

The scope of the test program was to test the Aruba Networks, Inc APIN0204, 802.11b/g/n (HT-20, HT-40)/ ac (VHT-20, VHT-40, VHT-80) AP Model APIN0204, APIN0205 configurations in the frequency ranges 5250 - 5350 MHz; 5470 - 5725 MHz; for compliance against the following DFS specification:

### FCC CFR 47 Part 15 Subpart E 15.407

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

### Aruba Networks, Inc. APIN0204



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

Type	Description	Manufacturer	Model	Serial no.	Delivery Date
EUT	External Antenna (Reverse SMA)	Aruba Networks	APIN0204	CM0019338	2 <sup>nd</sup> May 2016

### 5.4. Antenna Details

#### External Antenna

Type	Manufacturer	Model	Family	Gain (dBi)	BF Gain	Dir BW	X-Pol	Frequency Band (MHz)
External	Aruba Networks	AP-ANT-1B	OMNI	5.8	-	360	-	4900 - 5875
External	Aruba Networks	AP-ANT-13B	OMNI	3.3	-	360	-	4900 - 5900
External	Aruba Networks	AP-ANT-16	OMNI	4.7	-	360	-	4900 - 5900
External	Aruba Networks	AP-ANT-17	Directional 120 degr.	5.0	-	120	-	4900 - 5875
External	Aruba Networks	AP-ANT-18	Directional 60 degr.	7.5	-	60	-	5150 - 5875
External	Aruba Networks	AP-ANT-19	OMNI	6.0	-	360	-	5150 - 5875
External	Aruba Networks	AP-ANT-20	OMNI	2.0	-	360	-	5150 - 5825

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

#### Integral Antenna

Type	Manufacturer	Model	Family	Gain (dBi)	BF Gain	Dir BW	X-Pol	Frequency Band (MHz)
Integral	Aruba Networks	Metal Sheet	OMNI	4.5	-	360	-	5150 - 5875

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	1	N	RJ-45	Packet Data
RS232	100m	1	N	RJ-45	Digital
dc Jack		1	N	Jack	

### 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

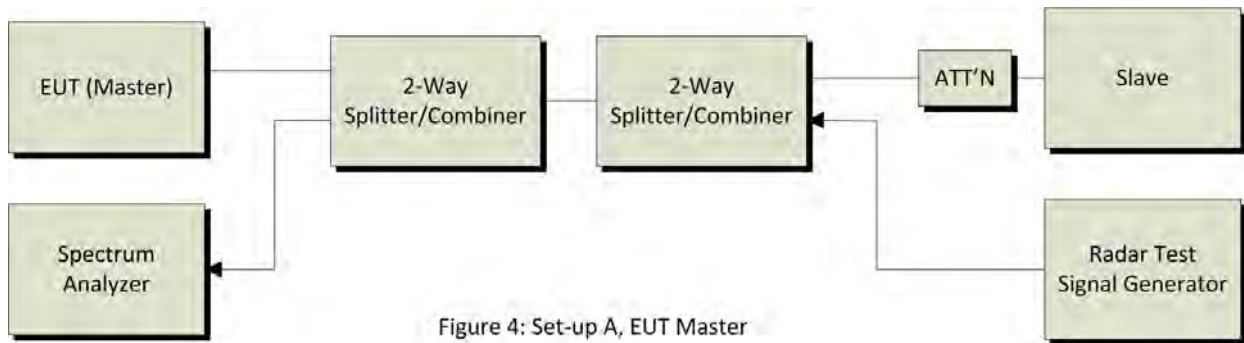


Figure 4: Set-up A, EUT Master

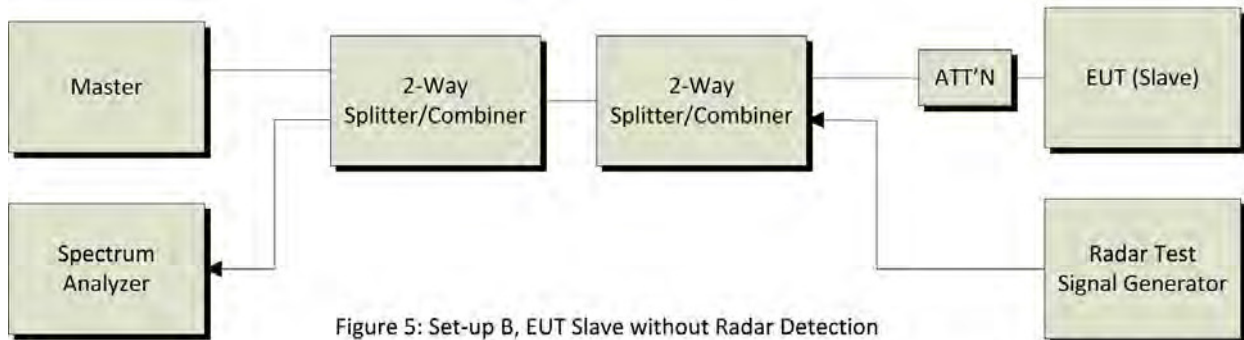


Figure 5: Set-up B, EUT Slave without Radar Detection

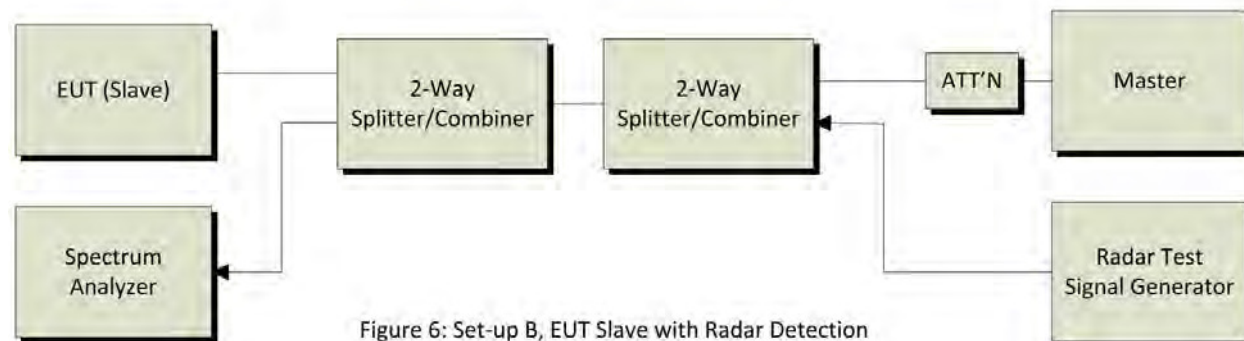


Figure 6: Set-up B, EUT Slave with Radar Detection

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.

### 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 $\left\{ \begin{array}{l} \left( \frac{1}{360} \right) \cdot \\ \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \end{array} \right\}$	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.

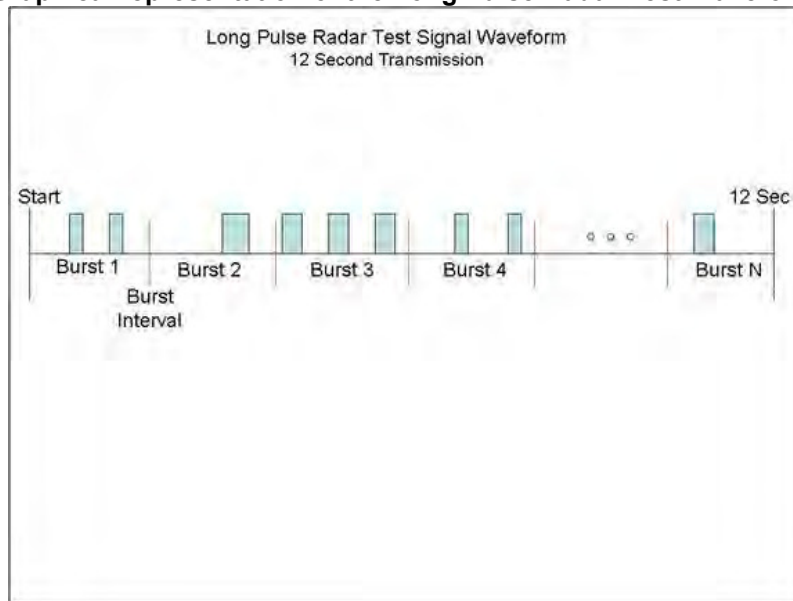
Each waveform is defined as follows:

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.

### 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:** 2.0 dBi

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

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

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

**Number of Antenna Chains:** 2

### **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:** 6.4.1.0

**EUT Build number:** 43845

### **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.

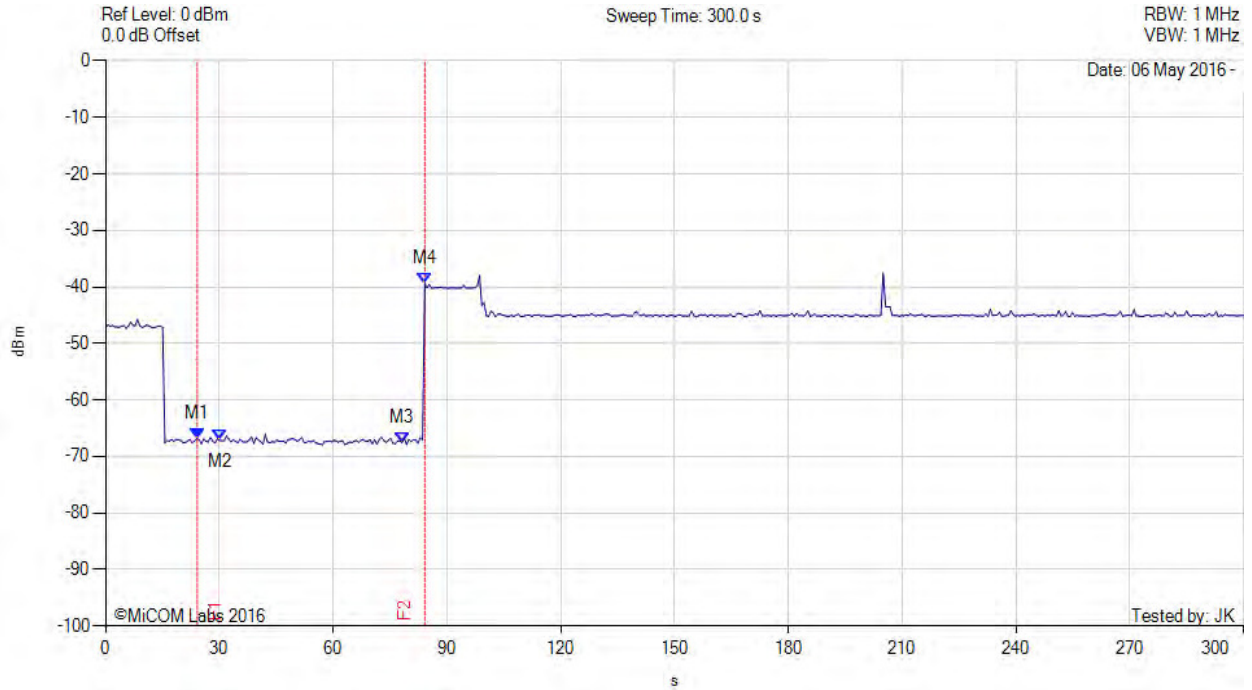


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INITIAL CAC



Variant: 802.11a, Channel: 5500.00 MHz, Data Rate: 6 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 2.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = AUTOPEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = CLR/WRITE	M1(5500.00 MHz) : 24.168 s : -66.776 dBm M2(5500.00 MHz) : 30.168 s : -67.160 dBm M3(5500.00 MHz) : 78.168 s : -67.535 dBm M4(5500.00 MHz) : 84.168 s : -39.394 dBm	Channel Frequency: 5500.00 MHz

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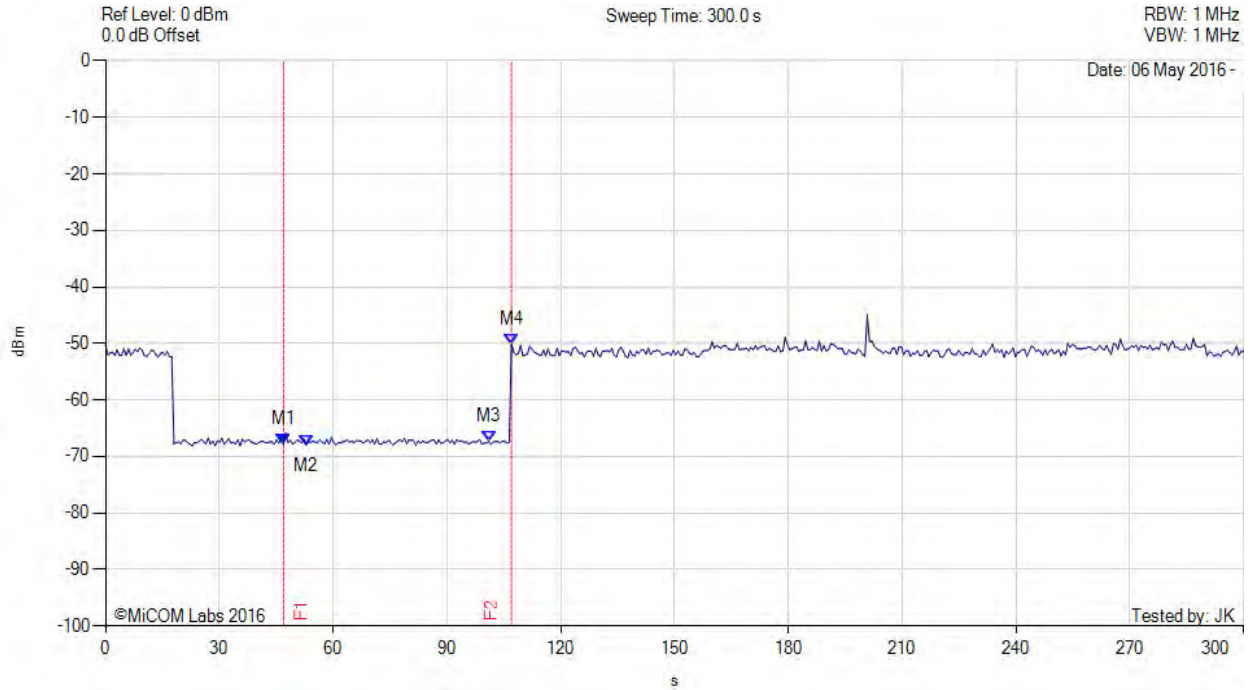


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INITIAL CAC



Variant: 802.11ac 80, Channel: 5530.00 MHz, Data Rate: 24 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 2.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = AUTOPEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = CLR/WRITE	M1(5520.00 MHz) : 46.894 s : -67.888 dBm M2(5520.00 MHz) : 52.894 s : -67.972 dBm M3(5520.00 MHz) : 101.014 s : -67.341 dBm M4(5520.00 MHz) : 107.014 s : -50.124 dBm	Channel Frequency: 5530.00 MHz

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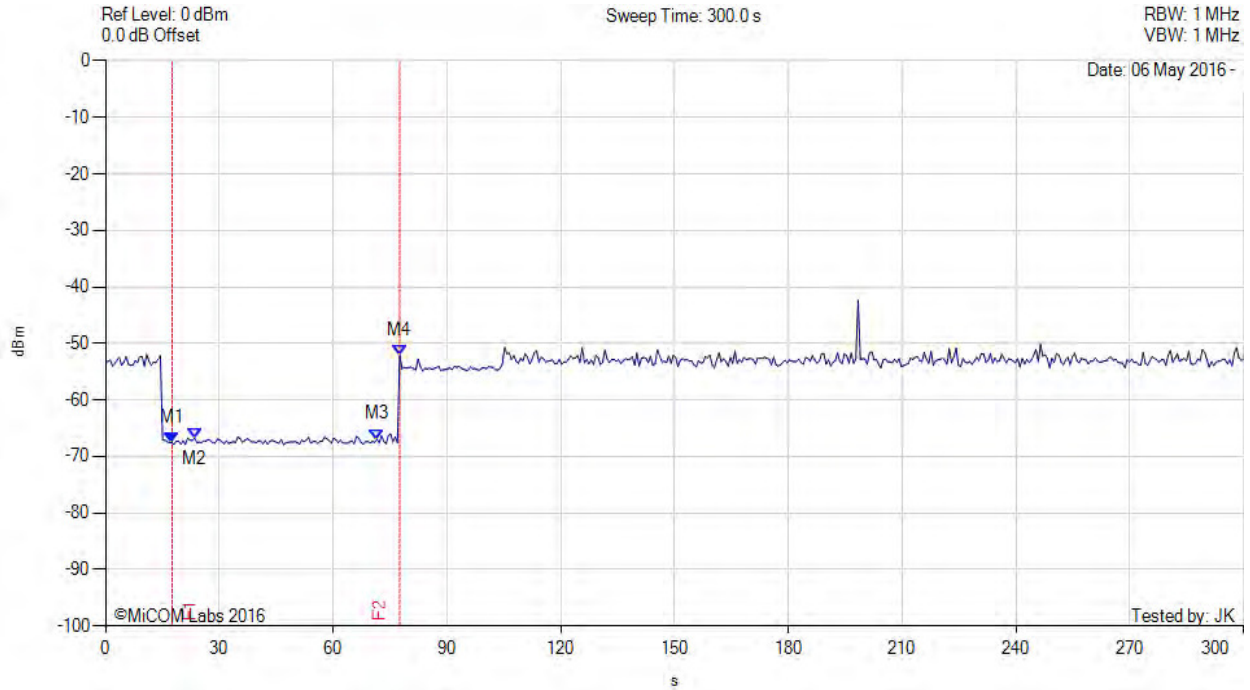


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INITIAL CAC



Variant: 802.11n HT40, Channel: 5510.00 MHz, Data Rate: 18 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 2.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = AUTOPEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = CLR/WRITE	M1(5510.00 MHz) : 17.555 s : -67.545 dBm M2(5510.00 MHz) : 23.555 s : -66.772 dBm M3(5510.00 MHz) : 71.555 s : -66.988 dBm M4(5510.00 MHz) : 77.555 s : -52.121 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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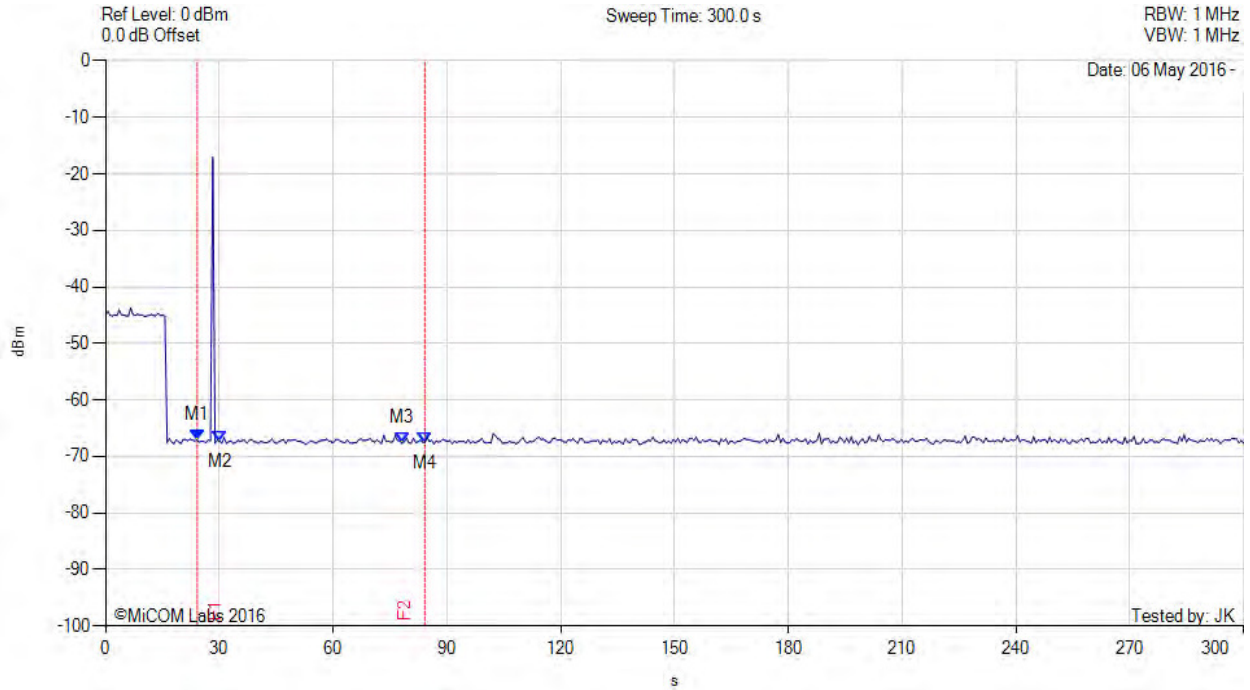


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BEGINNING CAC



Variant: 802.11a, Channel: 5500.00 MHz, Data Rate: 6 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 2.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = AUTOPEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = CLR/WRITE	M1(5500.00 MHz) : 24.168 s : -67.114 dBm M2(5500.00 MHz) : 30.168 s : -67.309 dBm M3(5500.00 MHz) : 78.168 s : -67.687 dBm M4(5500.00 MHz) : 84.168 s : -67.541 dBm	Channel Frequency: 5500.00 MHz

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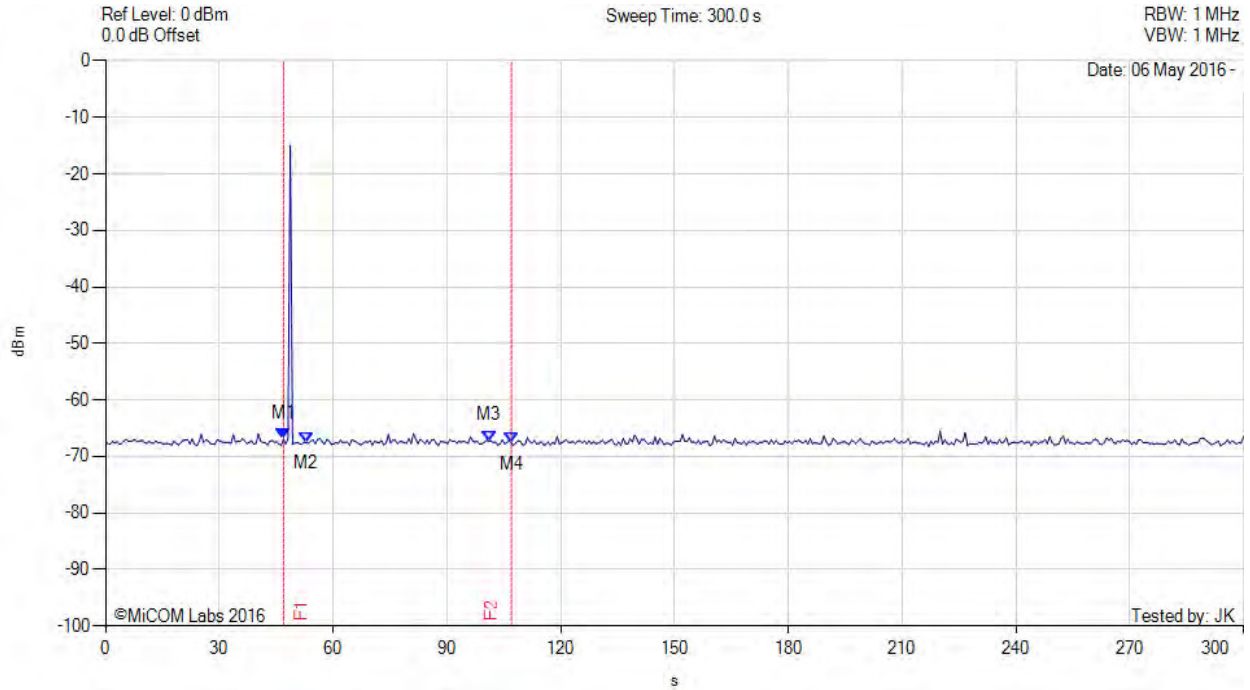


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BEGINNING CAC



Variant: 802.11ac 80, Channel: 5530.00 MHz, Data Rate: 24 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 2.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = AUTOPEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = CLR/WRITE	M1(5520.00 MHz) : 46.894 s : -66.951 dBm M2(5520.00 MHz) : 52.894 s : -67.549 dBm M3(5520.00 MHz) : 101.014 s : -67.254 dBm M4(5520.00 MHz) : 107.014 s : -67.675 dBm	Channel Frequency: 5530.00 MHz

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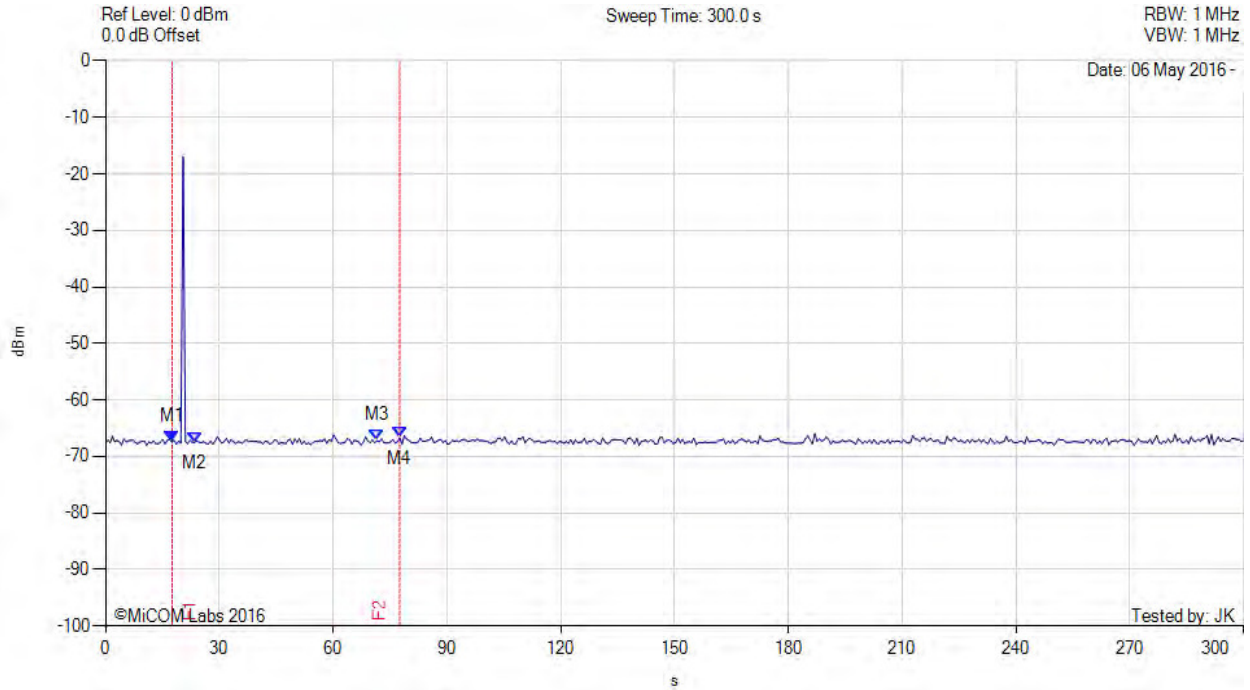


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BEGINNING CAC



Variation: 802.11n HT40, Channel: 5510.00 MHz, Data Rate: 18 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 2.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = AUTOPEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = CLR/WRITE	M1(5510.00 MHz) : 17.555 s : -67.411 dBm M2(5510.00 MHz) : 23.555 s : -67.492 dBm M3(5510.00 MHz) : 71.555 s : -67.223 dBm M4(5510.00 MHz) : 77.555 s : -66.729 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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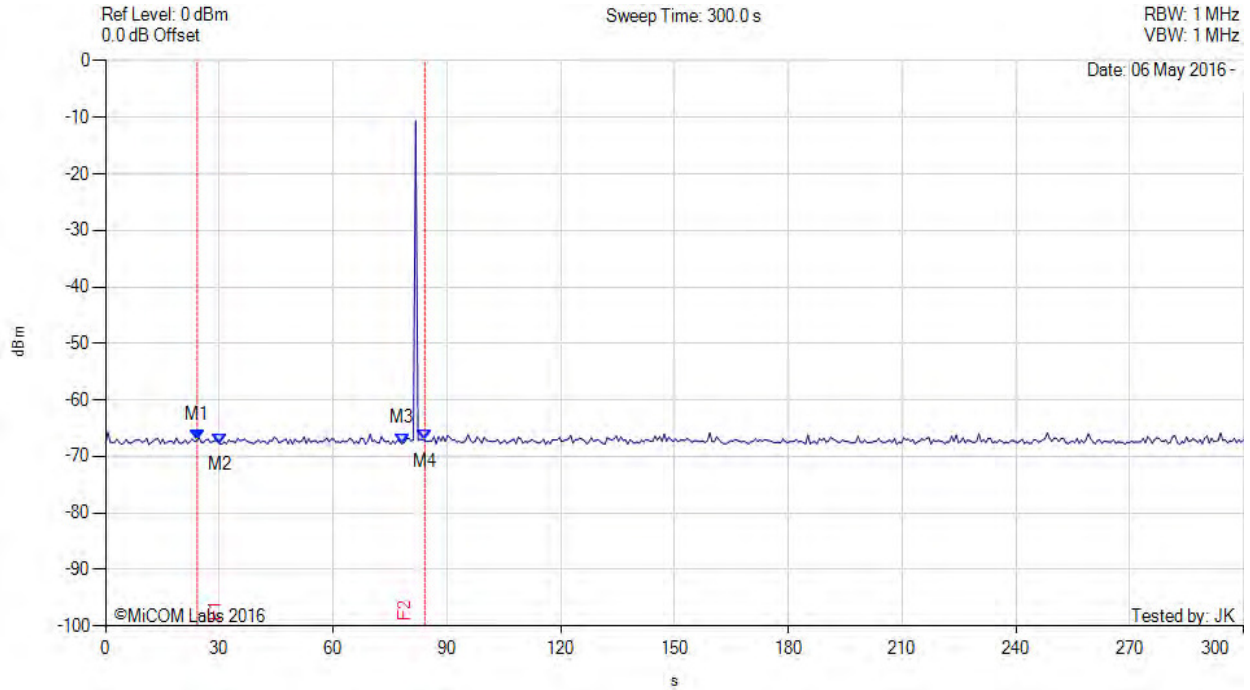


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END CAC



Variant: 802.11a, Channel: 5500.00 MHz, Data Rate: 6 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 2.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = AUTOPEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = CLR/WRITE	M1(5500.00 MHz) : 24.168 s : -67.164 dBm M2(5500.00 MHz) : 30.168 s : -67.736 dBm M3(5500.00 MHz) : 78.168 s : -67.732 dBm M4(5500.00 MHz) : 84.168 s : -67.199 dBm	Channel Frequency: 5500.00 MHz

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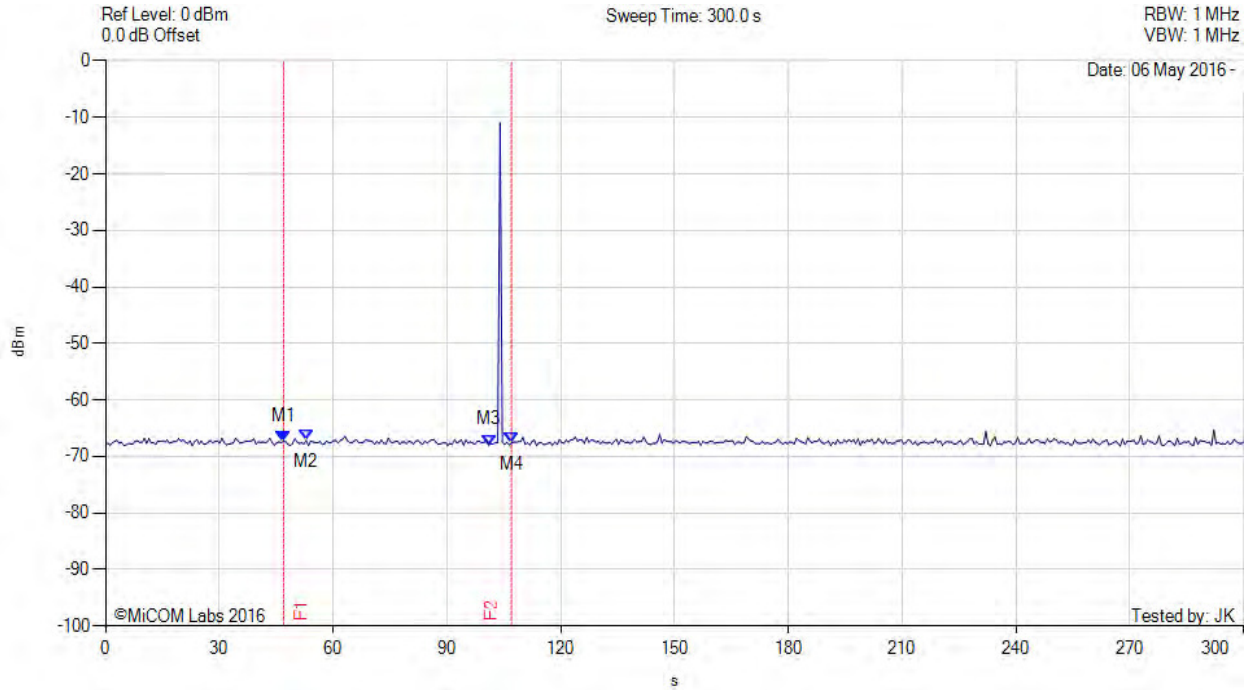


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END CAC



Variant: 802.11ac 80, Channel: 5530.00 MHz, Data Rate: 24 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 2.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = AUTOPEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = CLR/WRITE	M1(5520.00 MHz) : 46.894 s : -67.303 dBm M2(5520.00 MHz) : 52.894 s : -67.156 dBm M3(5520.00 MHz) : 101.014 s : -67.978 dBm M4(5520.00 MHz) : 107.014 s : -67.655 dBm	Channel Frequency: 5530.00 MHz

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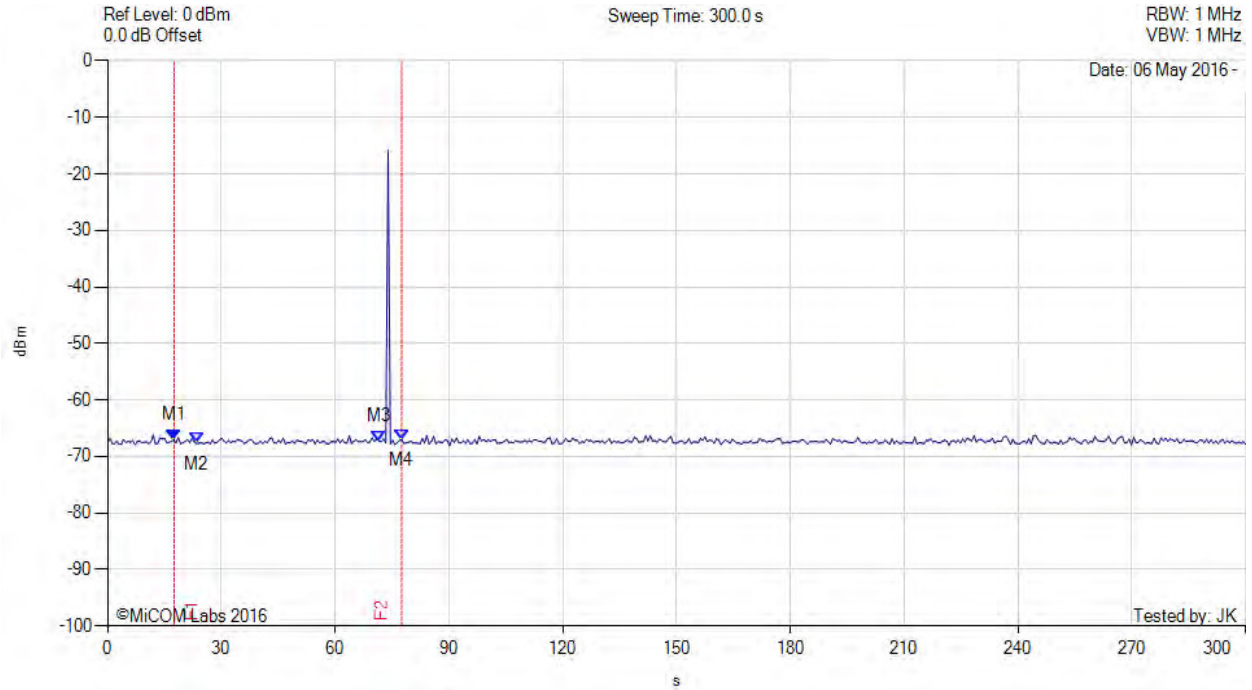


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END CAC



Variant: 802.11n HT40, Channel: 5510.00 MHz, Data Rate: 18 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 2.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = AUTOPEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = CLR/WRITE	M1(5510.00 MHz) : 17.555 s : -67.024 dBm M2(5510.00 MHz) : 23.555 s : -67.714 dBm M3(5510.00 MHz) : 71.555 s : -67.309 dBm M4(5510.00 MHz) : 77.555 s : -67.036 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

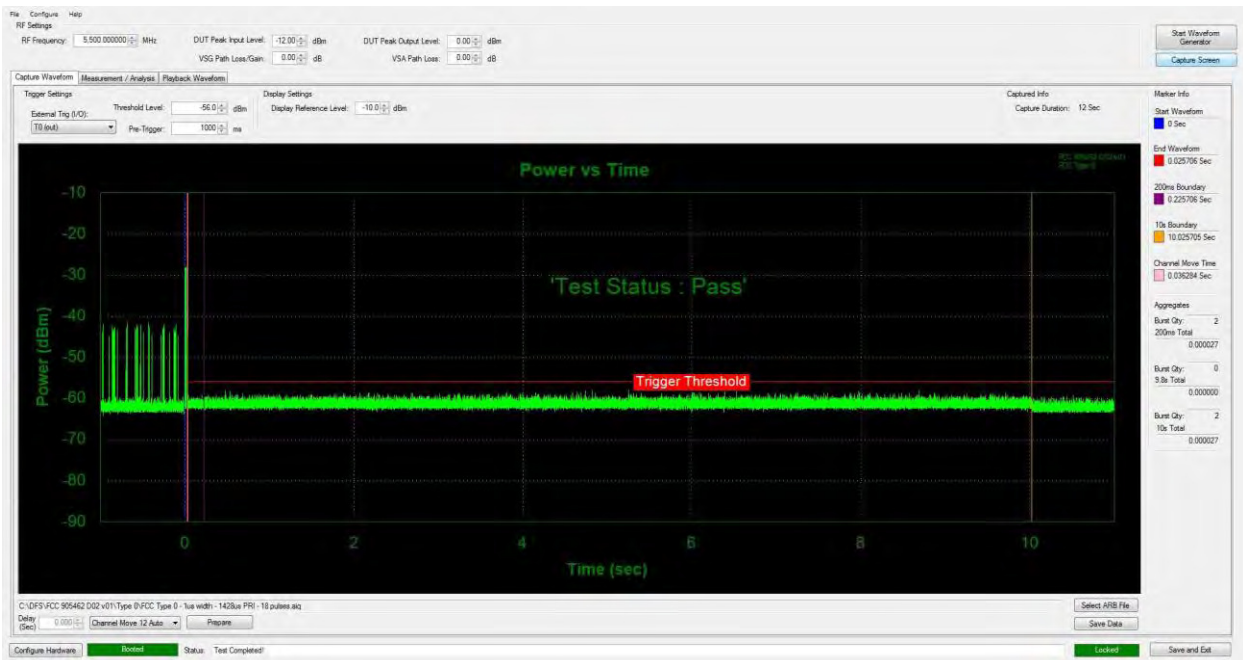
The PXI system measures and aggregates the pulses occurring after the end of the radar pulse to determine the Channel Closing Transmission Time, it also records the total time where signals are present for the Channel Move Time.

- 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 = **0.036284 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

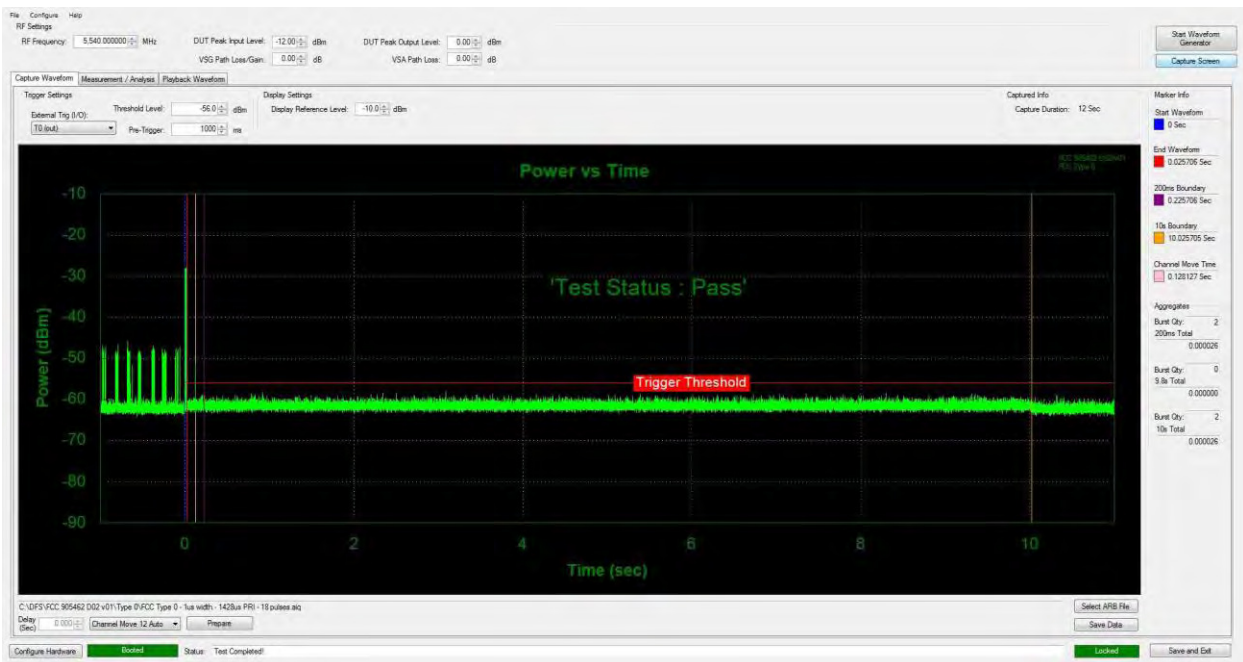
The PXI system measures and aggregates the pulses occurring after the end of the radar pulse to determine the Channel Closing Transmission Time, it also records the total time where signals are present for the Channel Move Time.

- 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 = 0.026 mSec (limit 260 mSec)**

**2) Channel Move Time = 0.128127 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

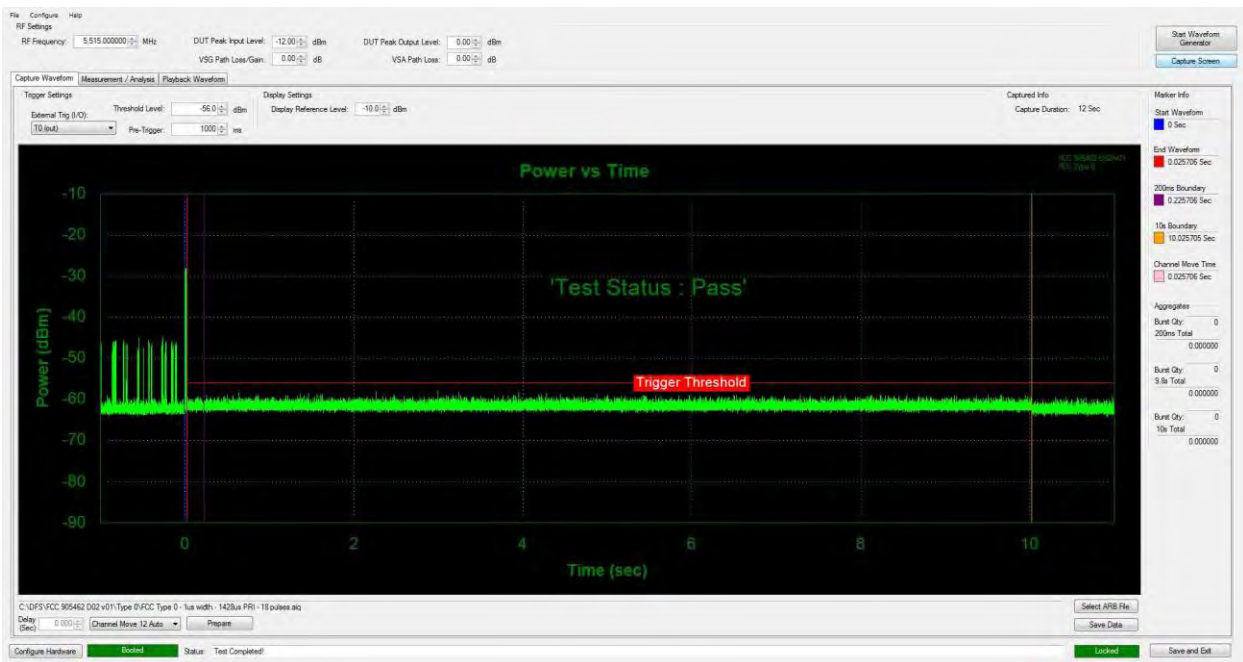
The PXI system measures and aggregates the pulses occurring after the end of the radar pulse to determine the Channel Closing Transmission Time, it also records the total time where signals are present for the Channel Move Time.

- 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 = 0.000 mSec (limit 260 mSec)**

**2) Channel Move Time = 0.025706 Secs (limit is 10 seconds)**

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

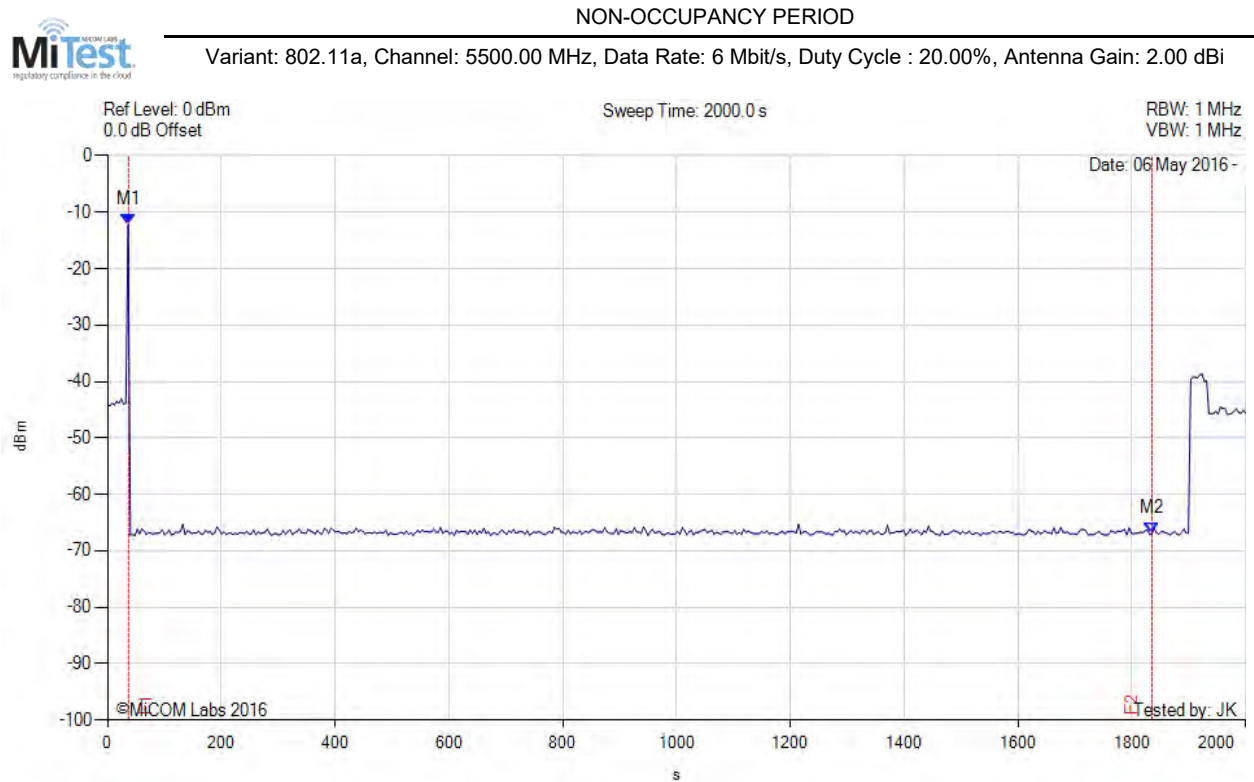


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### 9.1.3. Non-Occupancy Period

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 = AUTOPEAK Sweep Count = 0 RF Atten (dB) = 10 Trace Mode = CLR/WRITE	M1(5500.00 MHz) : 36.878 s : -12.200 dBm M2(5500.00 MHz) : 1835.671 s : -66.898 dBm	Channel Frequency: 5500.00 MHz

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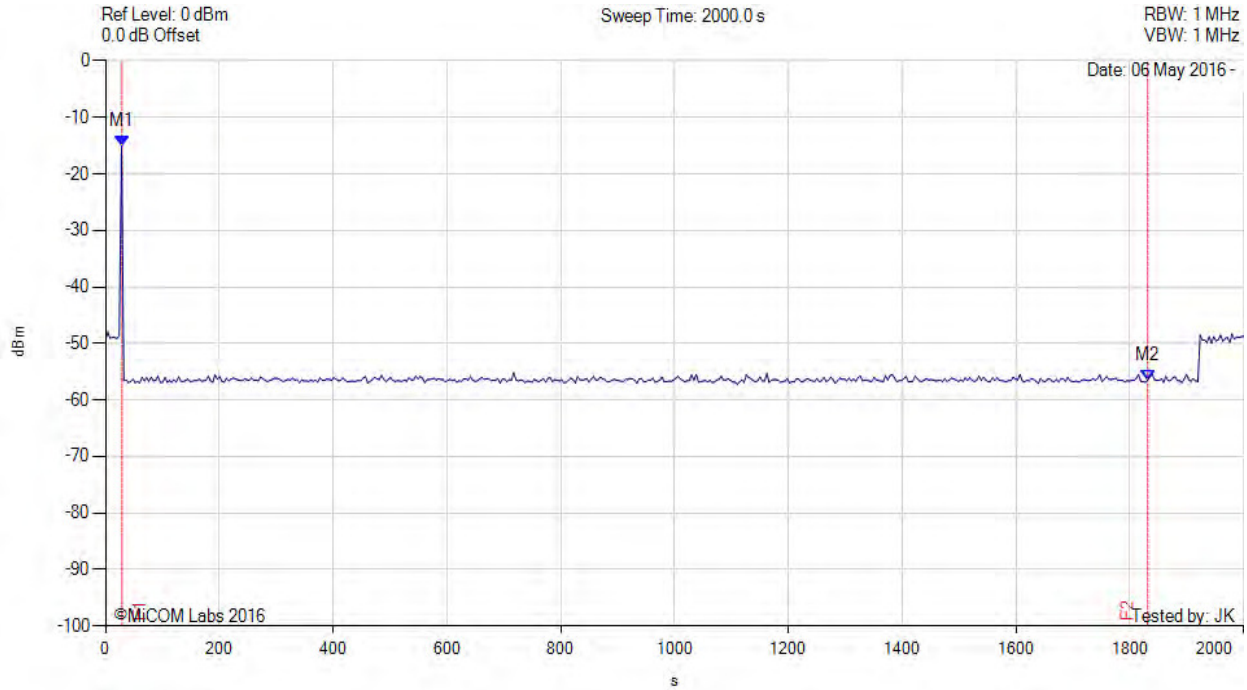


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NON-OCCUPANCY PERIOD



Variant: 802.11ac 80, Channel: 5530.00 MHz, Data Rate: 24 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 2.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = AUTOPEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = CLR/WRITE	M1(5520.00 MHz) : 29.056 s : -15.086 dBm M2(5520.00 MHz) : 1831.663 s : -56.483 dBm	Channel Frequency: 5530.00 MHz

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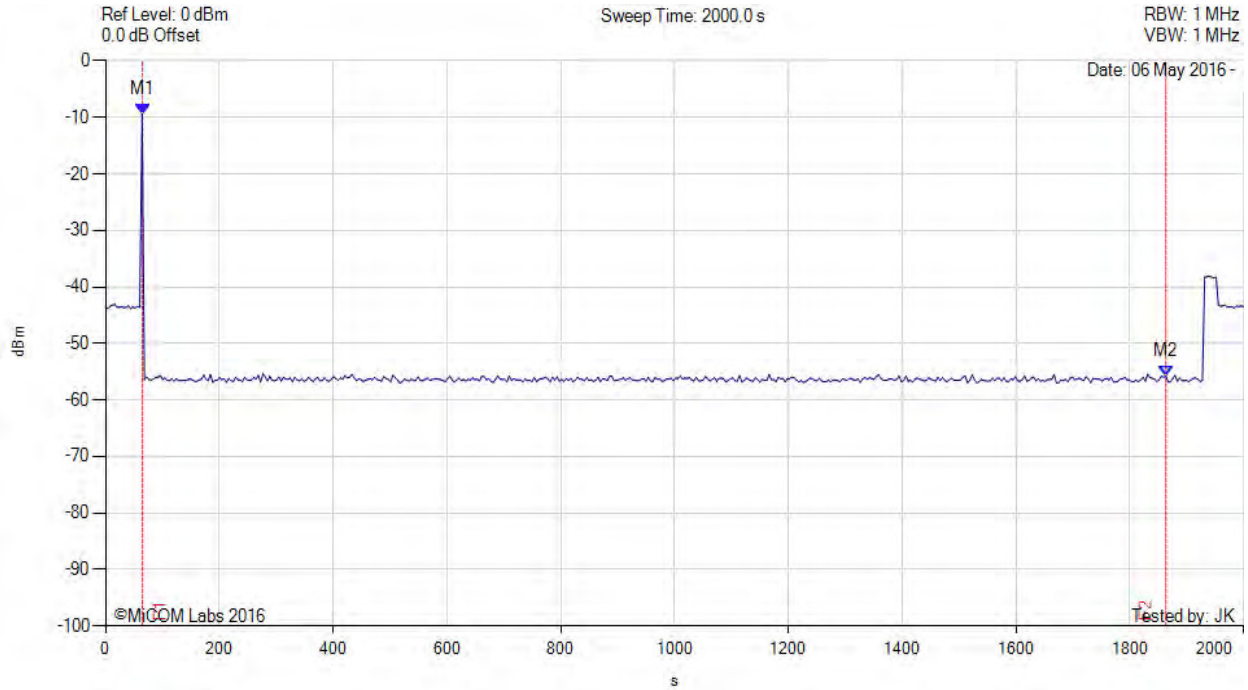


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NON-OCCUPANCY PERIOD



Variant: 802.11n HT40, Channel: 5510.00 MHz, Data Rate: 18 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 2.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = AUTOPEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = CLR/WRITE	M1(5505.00 MHz) : 64.934 s : -9.390 dBm M2(5505.00 MHz) : 1863.727 s : -55.782 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	28	93.33%	Complies	<a href="#">View Data</a>
Radar Type 1	30	30	100.00%	Complies	<a href="#">View Data</a>
Radar Type 2	30	29	96.67%	Complies	<a href="#">View Data</a>
Radar Type 3	30	27	90.00%	Complies	<a href="#">View Data</a>
Radar Type 4	30	29	96.67%	Complies	<a href="#">View Data</a>
<b>Aggregate (100.00% + 96.67% + 90.00% + 96.67%) / 4 = 95.83%</b>				Complies	--
Radar Type 5	30	24	80.00%	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	29	96.67%	Complies	<a href="#">View Data</a>
<b>Aggregate (100.00% + 100.00% + 100.00% + 96.67%) / 4 = 99.17%</b>				Complies	--
Radar Type 5	30	27	90.00%	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	30	100.00%	Complies	<a href="#">View Data</a>
Radar Type 3	30	28	93.33%	Complies	<a href="#">View Data</a>
Radar Type 4	30	25	83.33%	Complies	<a href="#">View Data</a>
<b>Aggregate (93.33% + 100.00% + 93.33% + 83.33%) / 4 = 92.50%</b>				Complies	--
Radar Type 5	30	28	93.33%	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>	27.00
<b>Data Rate:</b>	8 Mbit/s	<b>Antenna Gain (dBi):</b>	2.00
<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**

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1	700	1428	18	30	28	93.33%	See Agg.
<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 1**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	6 Mbit/s	<b>Antenna Gain (dBi):</b>	2.00
<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	1066	938	57	1	1	100.00%	DETECTED
1	1139	878	61	1	1	100.00%	DETECTED
1	1393	718	74	1	1	100.00%	DETECTED
1	1520	658	81	1	1	100.00%	DETECTED
1	1859	538	99	1	1	100.00%	DETECTED
1	1285	778	68	1	1	100.00%	DETECTED
1	1618	618	86	1	1	100.00%	DETECTED
1	1792	558	95	1	1	100.00%	DETECTED
1	1567	638	83	1	1	100.00%	DETECTED
1	1433	698	76	1	1	100.00%	DETECTED
1	1193	838	63	1	1	100.00%	DETECTED
1	1114	898	59	1	1	100.00%	DETECTED
1	326	3066	18	1	1	100.00%	DETECTED
1	1222	818	65	1	1	100.00%	DETECTED
1	1355	738	72	1	1	100.00%	DETECTED
1	1133	883	60	1	1	100.00%	DETECTED
1	390	2567	21	1	1	100.00%	DETECTED
1	765	1307	41	1	1	100.00%	DETECTED
1	867	1153	46	1	1	100.00%	DETECTED
1	496	2018	27	1	1	100.00%	DETECTED
1	445	2246	24	1	1	100.00%	DETECTED
1	1828	547	97	1	1	100.00%	DETECTED
1	326	3065	18	1	1	100.00%	DETECTED
1	1124	890	60	1	1	100.00%	DETECTED
1	1289	776	69	1	1	100.00%	DETECTED
1	1724	580	91	1	1	100.00%	DETECTED
1	568	1760	30	1	1	100.00%	DETECTED
1	595	1680	32	1	1	100.00%	DETECTED
1	386	2593	21	1	1	100.00%	DETECTED
1	442	2262	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>	802.11a	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	6 Mbit/s	<b>Antenna Gain (dBi):</b>	2.00
<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	5102	196	26	1	1	100.00%	DETECTED
1	6410	156	24	1	1	100.00%	DETECTED
1.3	4739	211	23	1	1	100.00%	DETECTED
1.5	6452	155	28	1	1	100.00%	DETECTED
1.6	6098	164	25	1	1	100.00%	DETECTED
1.6	4525	221	26	1	1	100.00%	DETECTED
1.7	6024	166	24	1	1	100.00%	DETECTED
1.9	5917	169	23	1	1	100.00%	DETECTED
1.9	6329	158	24	1	1	100.00%	DETECTED
2	5682	176	26	1	1	100.00%	DETECTED
2.2	5208	192	29	1	1	100.00%	DETECTED
2.3	6369	157	28	1	1	100.00%	DETECTED
2.7	4950	202	27	1	1	100.00%	DETECTED
2.7	5587	179	25	1	1	100.00%	DETECTED
2.8	6410	156	28	1	1	100.00%	DETECTED
2.8	6289	159	24	1	1	100.00%	DETECTED
3.4	4464	224	28	1	1	100.00%	DETECTED
3.5	5682	176	25	1	1	100.00%	DETECTED
3.6	6623	151	24	1	0	0.00%	NOT DETECTED
3.8	5714	175	28	1	1	100.00%	DETECTED
3.8	5848	171	28	1	1	100.00%	DETECTED
4.1	5848	171	23	1	1	100.00%	DETECTED
4.2	5464	183	26	1	1	100.00%	DETECTED
4.2	4695	213	29	1	1	100.00%	DETECTED
4.4	4386	228	25	1	1	100.00%	DETECTED
4.4	6289	159	28	1	1	100.00%	DETECTED
4.5	5780	173	26	1	1	100.00%	DETECTED
4.8	5988	167	23	1	1	100.00%	DETECTED
4.9	5525	181	27	1	1	100.00%	DETECTED
5	4386	228	28	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 3**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	6 Mbit/s	<b>Antenna Gain (dBi):</b>	2.00
<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	2188	457	17	1	1	100.00%	DETECTED
6.1	2632	380	18	1	1	100.00%	DETECTED
6.1	2653	377	18	1	1	100.00%	DETECTED
6.2	2841	352	17	1	0	0.00%	NOT DETECTED
6.3	2037	491	18	1	1	100.00%	DETECTED
6.9	3984	251	16	1	1	100.00%	DETECTED
7.1	2732	366	18	1	1	100.00%	DETECTED
7.3	2488	402	17	1	1	100.00%	DETECTED
7.4	2404	416	17	1	1	100.00%	DETECTED
7.4	3788	264	16	1	1	100.00%	DETECTED
7.5	2070	483	18	1	1	100.00%	DETECTED
7.5	2950	339	16	1	1	100.00%	DETECTED
7.6	2222	450	18	1	1	100.00%	DETECTED
7.6	4831	207	17	1	1	100.00%	DETECTED
7.7	3125	320	18	1	0	0.00%	NOT DETECTED
8	2924	342	17	1	0	0.00%	NOT DETECTED
8.1	3448	290	16	1	1	100.00%	DETECTED
8.3	2451	408	16	1	1	100.00%	DETECTED
8.3	2299	435	16	1	1	100.00%	DETECTED
8.4	2242	446	16	1	1	100.00%	DETECTED
8.5	3571	280	16	1	1	100.00%	DETECTED
8.8	3247	308	16	1	1	100.00%	DETECTED
8.9	2532	395	16	1	1	100.00%	DETECTED
8.9	4651	215	16	1	1	100.00%	DETECTED
9	2463	406	18	1	1	100.00%	DETECTED
9	2703	370	16	1	1	100.00%	DETECTED
9.2	4329	231	17	1	1	100.00%	DETECTED
9.3	3215	311	18	1	1	100.00%	DETECTED
9.5	3289	304	18	1	1	100.00%	DETECTED
9.7	2278	439	18	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>	2.00
<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
11.9	2874	348	15	1	1	100.00%	DETECTED
12.5	3378	296	15	1	1	100.00%	DETECTED
12.5	4695	213	13	1	1	100.00%	DETECTED
12.6	2053	487	13	1	1	100.00%	DETECTED
13.3	2445	409	12	1	1	100.00%	DETECTED
13.4	4464	224	14	1	1	100.00%	DETECTED
14	2278	439	14	1	1	100.00%	DETECTED
14.4	4049	247	16	1	1	100.00%	DETECTED
14.5	3106	322	16	1	1	100.00%	DETECTED
14.7	2532	395	16	1	1	100.00%	DETECTED
14.8	4065	246	13	1	1	100.00%	DETECTED
15.3	4587	218	12	1	1	100.00%	DETECTED
15.3	3717	269	14	1	1	100.00%	DETECTED
15.6	3436	291	12	1	1	100.00%	DETECTED
15.9	3096	323	13	1	1	100.00%	DETECTED
15.9	3597	278	15	1	1	100.00%	DETECTED
16	2717	368	12	1	0	0.00%	NOT DETECTED
16.4	2119	472	13	1	1	100.00%	DETECTED
16.7	2315	432	14	1	1	100.00%	DETECTED
17	2597	385	16	1	1	100.00%	DETECTED
17.1	2079	481	12	1	1	100.00%	DETECTED
17.4	2273	440	16	1	1	100.00%	DETECTED
17.6	2155	464	15	1	1	100.00%	DETECTED
18.4	4184	239	13	1	1	100.00%	DETECTED
18.4	2358	424	12	1	1	100.00%	DETECTED
18.5	3610	277	14	1	1	100.00%	DETECTED
19	2020	495	14	1	1	100.00%	DETECTED
19	2222	450	14	1	1	100.00%	DETECTED
19.1	4098	244	13	1	1	100.00%	DETECTED
19.3	3367	297	14	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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**Title:** Aruba Networks, Inc. APIN0204, APIN0205  
**To:** FCC CFR 47 Part 15 Subpart E 15.407  
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**Equipment Configuration for Radar Type 5**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	6 Mbit/s	<b>Antenna Gain (dBi):</b>	2.00
<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 5492.00	1	1	100.00%	DETECTED
Type 5 #1 5504.80	1	1	100.00%	DETECTED
Type 5 #2 5506.00	1	1	100.00%	DETECTED
Type 5 #3 5500.00	1	1	100.00%	DETECTED
Type 5 #4 5505.20	1	1	100.00%	DETECTED
Type 5 #5 5492.00	1	1	100.00%	DETECTED
Type 5 #6 5500.00	1	1	100.00%	DETECTED
Type 5 #7 5493.20	1	1	100.00%	DETECTED
Type 5 #8 5495.20	1	1	100.00%	DETECTED
Type 5 #9 5502.80	1	1	100.00%	DETECTED
Type 5 #10 5500.00	1	1	100.00%	DETECTED
Type 5 #11 5506.00	1	1	100.00%	DETECTED
Type 5 #12 5500.00	1	1	100.00%	DETECTED
Type 5 #13 5500.00	1	1	100.00%	DETECTED
Type 5 #14 5504.40	1	1	100.00%	DETECTED
Type 5 #15 5492.80	1	0	0.00%	NOT DETECTED
Type 5 #16 5496.40	1	1	100.00%	DETECTED
Type 5 #17 5500.00	1	1	100.00%	DETECTED
Type 5 #18 5500.00	1	1	100.00%	DETECTED
Type 5 #19 5500.00	1	1	100.00%	DETECTED
Type 5 #20 5500.00	1	1	100.00%	DETECTED
Type 5 #21 5508.00	1	0	0.00%	NOT DETECTED
Type 5 #22 5506.40	1	0	0.00%	NOT DETECTED
Type 5 #23 5504.40	1	1	100.00%	DETECTED
Type 5 #24 5494.40	1	0	0.00%	NOT DETECTED
Type 5 #25 5492.00	1	0	0.00%	NOT DETECTED
Type 5 #26 5507.20	1	1	100.00%	DETECTED
Type 5 #27 5500.00	1	1	100.00%	DETECTED
Type 5 #28 5492.40	1	0	0.00%	NOT DETECTED
Type 5 #29 5497.20	1	1	100.00%	DETECTED
<b>Aggregate:</b>	<b>30.00</b>	<b>24.00</b>	<b>80.00%</b>	<b>Pass</b>

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**Title:** Aruba Networks, Inc. APIN0204, APIN0205  
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**Equipment Configuration for Radar Type 6**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	6 Mbit/s	<b>Antenna Gain (dBi):</b>	2.00
<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	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	0	0.00%	NOT 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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**Title:** Aruba Networks, Inc. APIN0204, APIN0205  
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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>	24 Mbit/s	<b>Antenna Gain (dBi):</b>	2.00
<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>	24 Mbit/s	<b>Antenna Gain (dBi):</b>	2.00
<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	1066	938	57	1	1	100.00%	DETECTED
1	1139	878	61	1	1	100.00%	DETECTED
1	1393	718	74	1	1	100.00%	DETECTED
1	1520	658	81	1	1	100.00%	DETECTED
1	1859	538	99	1	1	100.00%	DETECTED
1	1285	778	68	1	1	100.00%	DETECTED
1	1618	618	86	1	1	100.00%	DETECTED
1	1792	558	95	1	1	100.00%	DETECTED
1	1567	638	83	1	1	100.00%	DETECTED
1	1433	698	76	1	1	100.00%	DETECTED
1	1193	838	63	1	1	100.00%	DETECTED
1	1114	898	59	1	1	100.00%	DETECTED
1	326	3066	18	1	1	100.00%	DETECTED
1	1222	818	65	1	1	100.00%	DETECTED
1	1355	738	72	1	1	100.00%	DETECTED
1	1133	883	60	1	1	100.00%	DETECTED
1	390	2567	21	1	1	100.00%	DETECTED
1	765	1307	41	1	1	100.00%	DETECTED
1	867	1153	46	1	1	100.00%	DETECTED
1	496	2018	27	1	1	100.00%	DETECTED
1	445	2246	24	1	1	100.00%	DETECTED
1	1828	547	97	1	1	100.00%	DETECTED
1	326	3065	18	1	1	100.00%	DETECTED
1	1124	890	60	1	1	100.00%	DETECTED
1	1289	776	69	1	1	100.00%	DETECTED
1	1724	580	91	1	1	100.00%	DETECTED
1	568	1760	30	1	1	100.00%	DETECTED
1	595	1680	32	1	1	100.00%	DETECTED
1	386	2593	21	1	1	100.00%	DETECTED
1	442	2262	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>	24 Mbit/s	<b>Antenna Gain (dBi):</b>	2.00
<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	5102	196	26	1	1	100.00%	DETECTED
1	6410	156	24	1	1	100.00%	DETECTED
1.3	4739	211	23	1	1	100.00%	DETECTED
1.5	6452	155	28	1	1	100.00%	DETECTED
1.6	6098	164	25	1	1	100.00%	DETECTED
1.6	4525	221	26	1	1	100.00%	DETECTED
1.7	6024	166	24	1	1	100.00%	DETECTED
1.9	5917	169	23	1	1	100.00%	DETECTED
1.9	6329	158	24	1	1	100.00%	DETECTED
2	5682	176	26	1	1	100.00%	DETECTED
2.2	5208	192	29	1	1	100.00%	DETECTED
2.3	6369	157	28	1	1	100.00%	DETECTED
2.7	4950	202	27	1	1	100.00%	DETECTED
2.7	5587	179	25	1	1	100.00%	DETECTED
2.8	6410	156	28	1	1	100.00%	DETECTED
2.8	6289	159	24	1	1	100.00%	DETECTED
3.4	4464	224	28	1	1	100.00%	DETECTED
3.5	5682	176	25	1	1	100.00%	DETECTED
3.6	6623	151	24	1	1	100.00%	DETECTED
3.8	5714	175	28	1	1	100.00%	DETECTED
3.8	5848	171	28	1	1	100.00%	DETECTED
4.1	5848	171	23	1	1	100.00%	DETECTED
4.2	5464	183	26	1	1	100.00%	DETECTED
4.2	4695	213	29	1	1	100.00%	DETECTED
4.4	4386	228	25	1	1	100.00%	DETECTED
4.4	6289	159	28	1	1	100.00%	DETECTED
4.5	5780	173	26	1	1	100.00%	DETECTED
4.8	5988	167	23	1	1	100.00%	DETECTED
4.9	5525	181	27	1	1	100.00%	DETECTED
5	4386	228	28	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>	24 Mbit/s	<b>Antenna Gain (dBi):</b>	2.00
<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	2188	457	17	1	1	100.00%	DETECTED
6.1	2632	380	18	1	1	100.00%	DETECTED
6.1	2653	377	18	1	1	100.00%	DETECTED
6.2	2841	352	17	1	1	100.00%	DETECTED
6.3	2037	491	18	1	1	100.00%	DETECTED
6.9	3984	251	16	1	1	100.00%	DETECTED
7.1	2732	366	18	1	1	100.00%	DETECTED
7.3	2488	402	17	1	1	100.00%	DETECTED
7.4	2404	416	17	1	1	100.00%	DETECTED
7.4	3788	264	16	1	1	100.00%	DETECTED
7.5	2070	483	18	1	1	100.00%	DETECTED
7.5	2950	339	16	1	1	100.00%	DETECTED
7.6	2222	450	18	1	1	100.00%	DETECTED
7.6	4831	207	17	1	1	100.00%	DETECTED
7.7	3125	320	18	1	1	100.00%	DETECTED
8	2924	342	17	1	1	100.00%	DETECTED
8.1	3448	290	16	1	1	100.00%	DETECTED
8.3	2451	408	16	1	1	100.00%	DETECTED
8.3	2299	435	16	1	1	100.00%	DETECTED
8.4	2242	446	16	1	1	100.00%	DETECTED
8.5	3571	280	16	1	1	100.00%	DETECTED
8.8	3247	308	16	1	1	100.00%	DETECTED
8.9	2532	395	16	1	1	100.00%	DETECTED
8.9	4651	215	16	1	1	100.00%	DETECTED
9	2463	406	18	1	1	100.00%	DETECTED
9	2703	370	16	1	1	100.00%	DETECTED
9.2	4329	231	17	1	1	100.00%	DETECTED
9.3	3215	311	18	1	1	100.00%	DETECTED
9.5	3289	304	18	1	1	100.00%	DETECTED
9.7	2278	439	18	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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**Title:** Aruba Networks, Inc. APIN0204, APIN0205  
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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>	24 Mbit/s	<b>Antenna Gain (dBi):</b>	2.00
<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
11.9	2874	348	15	1	1	100.00%	DETECTED
12.5	3378	296	15	1	1	100.00%	DETECTED
12.5	4695	213	13	1	1	100.00%	DETECTED
12.6	2053	487	13	1	1	100.00%	DETECTED
13.3	2445	409	12	1	1	100.00%	DETECTED
13.4	4464	224	14	1	1	100.00%	DETECTED
14	2278	439	14	1	1	100.00%	DETECTED
14.4	4049	247	16	1	1	100.00%	DETECTED
14.5	3106	322	16	1	1	100.00%	DETECTED
14.7	2532	395	16	1	1	100.00%	DETECTED
14.8	4065	246	13	1	1	100.00%	DETECTED
15.3	4587	218	12	1	1	100.00%	DETECTED
15.3	3717	269	14	1	1	100.00%	DETECTED
15.6	3436	291	12	1	1	100.00%	DETECTED
15.9	3096	323	13	1	1	100.00%	DETECTED
15.9	3597	278	15	1	1	100.00%	DETECTED
16	2717	368	12	1	1	100.00%	DETECTED
16.4	2119	472	13	1	1	100.00%	DETECTED
16.7	2315	432	14	1	1	100.00%	DETECTED
17	2597	385	16	1	1	100.00%	DETECTED
17.1	2079	481	12	1	1	100.00%	DETECTED
17.4	2273	440	16	1	0	0.00%	NOT DETECTED
17.6	2155	464	15	1	1	100.00%	DETECTED
18.4	4184	239	13	1	1	100.00%	DETECTED
18.4	2358	424	12	1	1	100.00%	DETECTED
18.5	3610	277	14	1	1	100.00%	DETECTED
19	2020	495	14	1	1	100.00%	DETECTED
19	2222	450	14	1	1	100.00%	DETECTED
19.1	4098	244	13	1	1	100.00%	DETECTED
19.3	3367	297	14	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 5**

<b>Variant:</b>	802.11ac 80	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	24 Mbit/s	<b>Antenna Gain (dBi):</b>	2.00
<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 5530.00	1	1	100.00%	DETECTED
Type 5 #1 5497.20	1	1	100.00%	DETECTED
Type 5 #2 5530.00	1	1	100.00%	DETECTED
Type 5 #3 5562.00	1	1	100.00%	DETECTED
Type 5 #4 5563.20	1	1	100.00%	DETECTED
Type 5 #5 5566.00	1	1	100.00%	DETECTED
Type 5 #6 5494.00	1	1	100.00%	DETECTED
Type 5 #7 5564.80	1	0	0.00%	NOT DETECTED
Type 5 #8 5562.80	1	1	100.00%	DETECTED
Type 5 #9 5499.20	1	1	100.00%	DETECTED
Type 5 #10 5496.00	1	0	0.00%	NOT DETECTED
Type 5 #11 5530.00	1	1	100.00%	DETECTED
Type 5 #12 5530.00	1	1	100.00%	DETECTED
Type 5 #13 5564.80	1	1	100.00%	DETECTED
Type 5 #14 5497.60	1	0	0.00%	NOT DETECTED
Type 5 #15 5494.80	1	1	100.00%	DETECTED
Type 5 #16 5498.40	1	1	100.00%	DETECTED
Type 5 #17 5562.80	1	1	100.00%	DETECTED
Type 5 #18 5530.00	1	1	100.00%	DETECTED
Type 5 #19 5561.20	1	1	100.00%	DETECTED
Type 5 #20 5499.20	1	1	100.00%	DETECTED
Type 5 #21 5530.00	1	1	100.00%	DETECTED
Type 5 #22 5495.60	1	1	100.00%	DETECTED
Type 5 #23 5530.00	1	1	100.00%	DETECTED
Type 5 #24 5563.60	1	1	100.00%	DETECTED
Type 5 #25 5530.00	1	1	100.00%	DETECTED
Type 5 #26 5530.00	1	1	100.00%	DETECTED
Type 5 #27 5530.00	1	1	100.00%	DETECTED
Type 5 #28 5565.60	1	1	100.00%	DETECTED
Type 5 #29 5499.20	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 6**

<b>Variant:</b>	802.11ac 80	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	24 Mbit/s	<b>Antenna Gain (dBi):</b>	2.00
<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	Result
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 Radar Type 0**

<b>Variant:</b>	802.11n HT40	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	18 Mbit/s	<b>Antenna Gain (dBi):</b>	2.00
<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>	2.00
<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	1066	938	57	1	1	100.00%	DETECTED
1	1139	878	61	1	1	100.00%	DETECTED
1	1393	718	74	1	1	100.00%	DETECTED
1	1520	658	81	1	1	100.00%	DETECTED
1	1859	538	99	1	1	100.00%	DETECTED
1	1285	778	68	1	1	100.00%	DETECTED
1	1618	618	86	1	1	100.00%	DETECTED
1	1792	558	95	1	1	100.00%	DETECTED
1	1567	638	83	1	1	100.00%	DETECTED
1	1433	698	76	1	1	100.00%	DETECTED
1	1193	838	63	1	1	100.00%	DETECTED
1	1114	898	59	1	1	100.00%	DETECTED
1	326	3066	18	1	1	100.00%	DETECTED
1	1222	818	65	1	1	100.00%	DETECTED
1	1355	738	72	1	1	100.00%	DETECTED
1	1133	883	60	1	1	100.00%	DETECTED
1	390	2567	21	1	1	100.00%	DETECTED
1	765	1307	41	1	0	0.00%	NOT DETECTED
1	867	1153	46	1	0	0.00%	NOT DETECTED
1	496	2018	27	1	1	100.00%	DETECTED
1	445	2246	24	1	1	100.00%	DETECTED
1	1828	547	97	1	1	100.00%	DETECTED
1	326	3065	18	1	1	100.00%	DETECTED
1	1124	890	60	1	1	100.00%	DETECTED
1	1289	776	69	1	1	100.00%	DETECTED
1	1724	580	91	1	1	100.00%	DETECTED
1	568	1760	30	1	1	100.00%	DETECTED
1	595	1680	32	1	1	100.00%	DETECTED
1	386	2593	21	1	1	100.00%	DETECTED
1	442	2262	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>	802.11n HT40	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	18 Mbit/s	<b>Antenna Gain (dBi):</b>	2.00
<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	5102	196	26	1	1	100.00%	DETECTED
1	6410	156	24	1	1	100.00%	DETECTED
1.3	4739	211	23	1	1	100.00%	DETECTED
1.5	6452	155	28	1	1	100.00%	DETECTED
1.6	6098	164	25	1	1	100.00%	DETECTED
1.6	4525	221	26	1	1	100.00%	DETECTED
1.7	6024	166	24	1	1	100.00%	DETECTED
1.9	5917	169	23	1	1	100.00%	DETECTED
1.9	6329	158	24	1	1	100.00%	DETECTED
2	5682	176	26	1	1	100.00%	DETECTED
2.2	5208	192	29	1	1	100.00%	DETECTED
2.3	6369	157	28	1	1	100.00%	DETECTED
2.7	4950	202	27	1	1	100.00%	DETECTED
2.7	5587	179	25	1	1	100.00%	DETECTED
2.8	6410	156	28	1	1	100.00%	DETECTED
2.8	6289	159	24	1	1	100.00%	DETECTED
3.4	4464	224	28	1	1	100.00%	DETECTED
3.5	5682	176	25	1	1	100.00%	DETECTED
3.6	6623	151	24	1	1	100.00%	DETECTED
3.8	5714	175	28	1	1	100.00%	DETECTED
3.8	5848	171	28	1	1	100.00%	DETECTED
4.1	5848	171	23	1	1	100.00%	DETECTED
4.2	5464	183	26	1	1	100.00%	DETECTED
4.2	4695	213	29	1	1	100.00%	DETECTED
4.4	4386	228	25	1	1	100.00%	DETECTED
4.4	6289	159	28	1	1	100.00%	DETECTED
4.5	5780	173	26	1	1	100.00%	DETECTED
4.8	5988	167	23	1	1	100.00%	DETECTED
4.9	5525	181	27	1	1	100.00%	DETECTED
5	4386	228	28	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>	802.11n HT40	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	18 Mbit/s	<b>Antenna Gain (dBi):</b>	2.00
<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	2188	457	17	1	1	100.00%	DETECTED
6.1	2632	380	18	1	1	100.00%	DETECTED
6.1	2653	377	18	1	1	100.00%	DETECTED
6.2	2841	352	17	1	1	100.00%	DETECTED
6.3	2037	491	18	1	1	100.00%	DETECTED
6.9	3984	251	16	1	1	100.00%	DETECTED
7.1	2732	366	18	1	1	100.00%	DETECTED
7.3	2488	402	17	1	1	100.00%	DETECTED
7.4	2404	416	17	1	1	100.00%	DETECTED
7.4	3788	264	16	1	1	100.00%	DETECTED
7.5	2070	483	18	1	1	100.00%	DETECTED
7.5	2950	339	16	1	1	100.00%	DETECTED
7.6	2222	450	18	1	1	100.00%	DETECTED
7.6	4831	207	17	1	1	100.00%	DETECTED
7.7	3125	320	18	1	1	100.00%	DETECTED
8	2924	342	17	1	1	100.00%	DETECTED
8.1	3448	290	16	1	1	100.00%	DETECTED
8.3	2451	408	16	1	1	100.00%	DETECTED
8.3	2299	435	16	1	1	100.00%	DETECTED
8.4	2242	446	16	1	1	100.00%	DETECTED
8.5	3571	280	16	1	1	100.00%	DETECTED
8.8	3247	308	16	1	1	100.00%	DETECTED
8.9	2532	395	16	1	1	100.00%	DETECTED
8.9	4651	215	16	1	0	0.00%	NOT DETECTED
9	2463	406	18	1	1	100.00%	DETECTED
9	2703	370	16	1	1	100.00%	DETECTED
9.2	4329	231	17	1	1	100.00%	DETECTED
9.3	3215	311	18	1	1	100.00%	DETECTED
9.5	3289	304	18	1	1	100.00%	DETECTED
9.7	2278	439	18	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 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>	2.00
<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
11.9	2874	348	15	1	1	100.00%	DETECTED
12.5	3378	296	15	1	1	100.00%	DETECTED
12.5	4695	213	13	1	1	100.00%	DETECTED
12.6	2053	487	13	1	1	100.00%	DETECTED
13.3	2445	409	12	1	1	100.00%	DETECTED
13.4	4464	224	14	1	1	100.00%	DETECTED
14	2278	439	14	1	1	100.00%	DETECTED
14.4	4049	247	16	1	1	100.00%	DETECTED
14.5	3106	322	16	1	1	100.00%	DETECTED
14.7	2532	395	16	1	1	100.00%	DETECTED
14.8	4065	246	13	1	1	100.00%	DETECTED
15.3	4587	218	12	1	1	100.00%	DETECTED
15.3	3717	269	14	1	1	100.00%	DETECTED
15.6	3436	291	12	1	1	100.00%	DETECTED
15.9	3096	323	13	1	1	100.00%	DETECTED
15.9	3597	278	15	1	0	0.00%	NOT DETECTED
16	2717	368	12	1	0	0.00%	NOT DETECTED
16.4	2119	472	13	1	0	0.00%	NOT DETECTED
16.7	2315	432	14	1	0	0.00%	NOT DETECTED
17	2597	385	16	1	0	0.00%	NOT DETECTED
17.1	2079	481	12	1	1	100.00%	DETECTED
17.4	2273	440	16	1	1	100.00%	DETECTED
17.6	2155	464	15	1	1	100.00%	DETECTED
18.4	4184	239	13	1	1	100.00%	DETECTED
18.4	2358	424	12	1	1	100.00%	DETECTED
18.5	3610	277	14	1	1	100.00%	DETECTED
19	2020	495	14	1	1	100.00%	DETECTED
19	2222	450	14	1	1	100.00%	DETECTED
19.1	4098	244	13	1	1	100.00%	DETECTED
19.3	3367	297	14	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>	18 Mbit/s	<b>Antenna Gain (dBi):</b>	2.00
<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 5527.00	1	1	100.00%	DETECTED
Type 5 #1 5496.20	1	1	100.00%	DETECTED
Type 5 #2 5525.00	1	1	100.00%	DETECTED
Type 5 #3 5510.00	1	1	100.00%	DETECTED
Type 5 #4 5495.80	1	1	100.00%	DETECTED
Type 5 #5 5510.00	1	1	100.00%	DETECTED
Type 5 #6 5510.00	1	1	100.00%	DETECTED
Type 5 #7 5494.20	1	1	100.00%	DETECTED
Type 5 #8 5523.80	1	1	100.00%	DETECTED
Type 5 #9 5498.20	1	1	100.00%	DETECTED
Type 5 #10 5510.00	1	1	100.00%	DETECTED
Type 5 #11 5525.00	1	1	100.00%	DETECTED
Type 5 #12 5498.60	1	1	100.00%	DETECTED
Type 5 #13 5525.80	1	1	100.00%	DETECTED
Type 5 #14 5496.60	1	0	0.00%	NOT DETECTED
Type 5 #15 5510.00	1	1	100.00%	DETECTED
Type 5 #16 5497.40	1	1	100.00%	DETECTED
Type 5 #17 5523.80	1	1	100.00%	DETECTED
Type 5 #18 5510.00	1	1	100.00%	DETECTED
Type 5 #19 5497.80	1	1	100.00%	DETECTED
Type 5 #20 5521.80	1	1	100.00%	DETECTED
Type 5 #21 5527.00	1	1	100.00%	DETECTED
Type 5 #22 5494.60	1	1	100.00%	DETECTED
Type 5 #23 5510.00	1	1	100.00%	DETECTED
Type 5 #24 5510.00	1	1	100.00%	DETECTED
Type 5 #25 5527.00	1	0	0.00%	NOT DETECTED
Type 5 #26 5510.00	1	1	100.00%	DETECTED
Type 5 #27 5494.60	1	1	100.00%	DETECTED
Type 5 #28 5526.60	1	1	100.00%	DETECTED
Type 5 #29 5510.00	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 6**

<b>Variant:</b>	802.11n HT40	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	18 Mbit/s	<b>Antenna Gain (dBi):</b>	2.00
<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 from the center, 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>	2.00
<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
5485 MHz	10	0		
5486 MHz	10	0		
5487 MHz	10	0		
5488 MHz	10	0		
5489 MHz	10	8	80.00%	Fail
5490 MHz	10	10	100.00%	Pass
5495 MHz	10	10	100.00%	Pass
5500	10	10	100.00%	Pass
5505 MHz	10	10	100.00%	Pass
5510 MHz	10	9	90.00%	Pass
5511 MHz	7	4	57.14%	Fail
5512 MHz	10	0		
5513 MHz	10	0		
5514 MHz	10	0		
5515 MHz	10	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>	18 Mbit/s	<b>Antenna Gain (dBi):</b>	2.00
<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	0		
5488 MHz	10	0		
5489 MHz	10	7	70.00%	Fail
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
5566 MHz	10	10	100.00%	Pass
5567 MHz	10	10	100.00%	Pass
5568 MHz	10	10	100.00%	Pass
5569 MHz	10	10	100.00%	Pass
5570 MHz	10	8	80.00%	Fail

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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>	2.00
<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
5485 MHz	10	0		
5486 MHz	10	0		
5487 MHz	10	0		
5488 MHz	10	0		
5489 MHz	4	1	25.00%	Fail
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	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	4	1	25.00%	Fail

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## **A. APPENDIX – RADAR SIGNATURES**

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Type 5 #0 5492.00 [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	18	977642	100	0	0	22258	1000000
2	3	12	828798	50	1778	1219	168055	1000000
3	2	6	238062	57	1599	0	760225	1000000
4	2	6	623181	65	1815	0	374874	1000000
5	3	13	730654	86	1543	1752	265793	1000000
6	2	10	168972	77	1713	0	829161	1000000
7	3	5	811171	57	1299	1753	185606	1000000
8	3	15	550333	76	1397	1247	446795	1000000
9	3	17	639692	74	968	1582	357536	1000000
10	1	5	164910	55	0	0	835035	1000000
11	3	14	140080	75	1402	1109	857184	1000000
12	1	19	503664	77	0	0	496259	1000000

Type 5 #1 5504.80 [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	20	256853	89	976	0	599135	857142
2	2	13	186236	92	1515	0	669207	857142
3	1	7	517456	78	0	0	339608	857142
4	1	16	707145	54	0	0	149943	857142
5	3	15	369103	57	1062	1529	485277	857142
6	2	10	559862	89	1541	0	295561	857142
7	1	13	702350	56	0	0	154736	857142
8	1	16	657112	62	0	0	199968	857142
9	3	8	377842	68	1286	1526	476284	857142
10	3	20	28105	79	1325	1795	825680	857142
11	1	16	15007	75	0	0	842060	857142
12	2	13	474238	90	1097	0	381627	857142
13	2	6	734485	76	1126	0	121379	857142
14	1	14	626554	54	0	0	230534	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	2	10	624755	72	1643	0	706791	1333333
2	3	6	1144561	89	1588	1550	185367	1333333
3	2	12	796998	69	1528	0	534669	1333333
4	3	13	942947	71	1382	1203	387588	1333333
5	2	12	155045	60	1780	0	1176388	1333333
6	1	7	1149427	87	0	0	183819	1333333
7	3	9	981929	61	1460	1525	348236	1333333
8	3	10	1150911	62	1521	1646	179069	1333333
9	2	19	849142	85	1050	0	482971	1333333

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	1	15	48550	72	0	0	751378	800000
2	1	15	744565	91	0	0	55344	800000
3	1	15	457623	63	0	0	342314	800000
4	2	13	707607	68	1709	0	90548	800000
5	2	20	687322	53	958	0	111614	800000
6	1	8	696742	59	0	0	103199	800000
7	2	20	413184	93	1426	0	385204	800000
8	3	13	163400	74	1402	1636	633340	800000
9	3	12	504099	97	1781	1558	292271	800000
10	2	17	282827	80	1872	0	515141	800000
11	2	17	49817	89	1470	0	748535	800000
12	3	11	679923	80	1321	1384	117132	800000
13	2	17	467698	63	1900	0	330276	800000
14	3	6	642324	97	987	1781	154617	800000
15	2	11	48318	99	1489	0	749995	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	1	14	450702	77	0	0	549221	1000000
2	3	12	955345	60	1136	1652	41687	1000000
3	2	20	308821	89	987	0	690014	1000000
4	3	13	690315	53	1177	1023	307326	1000000
5	1	15	663791	89	0	0	336120	1000000
6	3	13	124457	74	1125	1760	872436	1000000
7	2	8	867693	82	1090	0	131053	1000000
8	3	12	764785	70	973	1236	232796	1000000
9	3	9	799194	90	1224	1041	198271	1000000
10	2	19	357079	92	1810	0	640927	1000000
11	3	7	783936	83	1678	1823	212314	1000000
12	1	20	996419	87	0	0	3494	1000000

Type 5 #5 5492.00 [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	7	276527	58	1657	1847	351373	631578
2	3	5	581591	83	1104	1688	46946	631578
3	1	11	221110	100	0	0	410368	631578
4	3	5	140498	84	1285	1837	487706	631578
5	1	14	626240	83	0	0	5255	631578
6	1	14	274206	99	0	0	357273	631578
7	1	17	628685	68	0	0	2825	631578
8	3	7	35436	55	1362	1842	592773	631578
9	3	18	464870	62	1108	1151	164263	631578
10	1	13	275797	89	0	0	355692	631578
11	1	19	396511	53	0	0	235014	631578
12	3	5	573988	81	1404	1059	54884	631578
13	1	5	386609	95	0	0	244874	631578
14	3	7	177806	71	1106	958	451495	631578
15	1	17	625171	66	0	0	6341	631578
16	2	10	278384	83	1863	0	351165	631578
17	3	10	73742	100	1365	1078	555093	631578
18	1	7	24008	72	0	0	607498	631578
19	2	16	620226	53	1223	0	10023	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	8	205540	60	0	0	500282	705882
2	3	18	182781	79	1668	1145	520051	705882
3	3	19	169347	64	1163	1227	533953	705882
4	1	9	655369	52	0	0	50461	705882
5	1	18	349345	71	0	0	356466	705882
6	2	5	482799	99	1040	0	221845	705882
7	1	5	560820	74	0	0	144988	705882
8	1	12	89206	66	0	0	616610	705882
9	2	9	412159	82	1072	0	292487	705882
10	1	6	681929	96	0	0	23857	705882
11	2	16	676693	96	1007	0	27990	705882
12	2	5	459352	99	1625	0	244707	705882
13	2	15	401840	88	1746	0	302120	705882
14	3	5	341748	53	1719	1902	360354	705882
15	2	18	317005	96	1018	0	387667	705882
16	2	17	130241	52	1364	0	574173	705882
17	3	15	276266	69	1360	1029	427020	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	1	6	591125	92	0	0	208783	800000
2	2	6	795022	84	1295	0	3515	800000
3	3	12	116861	84	1439	1149	680299	800000
4	1	19	7992	74	0	0	791934	800000
5	3	13	224093	100	1147	1816	572644	800000
6	1	11	297442	73	0	0	502485	800000
7	3	12	597692	70	1228	1410	199460	800000
8	3	16	583827	94	1013	1140	213738	800000
9	3	14	711361	73	1301	1238	85881	800000
10	3	8	70233	90	1096	1452	726949	800000
11	2	16	125765	80	1515	0	672560	800000
12	2	8	5576	61	1642	0	792660	800000
13	1	8	132591	70	0	0	667339	800000
14	1	8	225661	74	0	0	574265	800000
15	3	17	44782	89	1088	1165	752698	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	11	452239	99	1417	0	296146	750000
2	1	18	288441	91	0	0	461468	750000
3	3	5	216608	95	1240	1630	530237	750000
4	3	5	135503	51	1678	1401	611265	750000
5	1	18	350987	57	0	0	398956	750000
6	2	12	233965	97	1665	0	514176	750000
7	1	16	700759	67	0	0	49174	750000
8	2	18	73537	74	1613	0	674702	750000
9	3	13	115600	59	1764	1293	631166	750000
10	2	13	678935	94	1348	0	69529	750000
11	3	13	279801	57	1547	1422	467059	750000
12	3	5	263449	78	944	1153	484220	750000
13	1	13	412575	53	0	0	337372	750000
14	1	6	602041	70	0	0	147889	750000
15	1	19	661371	67	0	0	88562	750000
16	1	10	594883	82	0	0	155035	750000

Type 5 #9 5502.80 [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	10	400183	85	928	1770	302746	705882
2	1	6	321741	91	0	0	384050	705882
3	1	9	450810	83	0	0	254989	705882
4	1	18	311551	81	0	0	394250	705882
5	3	14	315954	93	1075	1387	387187	705882
6	2	11	453264	93	1123	0	251309	705882
7	2	5	614720	92	940	0	90038	705882
8	1	18	239519	66	0	0	466297	705882
9	1	10	520336	75	0	0	185471	705882
10	1	18	99546	98	0	0	606238	705882
11	3	18	138539	86	1180	1328	564577	705882
12	2	6	155611	98	1721	0	548354	705882
13	3	5	119179	69	1102	1874	583520	705882
14	3	8	406291	81	1549	1298	296501	705882
15	3	13	349273	88	1106	1160	354079	705882
16	3	13	34204	98	1485	1400	668499	705882
17	3	11	308088	68	1866	1575	394149	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	6	325600	62	1875	1904	1003768	1333333
2	1	14	647985	70	0	0	685278	1333333
3	1	13	565718	83	0	0	767532	1333333
4	1	13	1214094	55	0	0	119184	1333333
5	1	12	296381	67	0	0	1036885	1333333
6	3	10	637526	85	1792	1869	691891	1333333
7	2	17	1027567	90	1883	0	303703	1333333
8	2	10	1092525	80	1575	0	239073	1333333
9	2	19	399407	98	993	0	932737	1333333

Type 5 #11 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	20	576271	97	0	0	346708	923076
2	2	18	590347	63	959	0	331644	923076
3	1	13	337900	82	0	0	585094	923076
4	2	6	785193	80	1211	0	136512	923076
5	3	15	887987	89	1268	1795	31759	923076
6	3	12	49195	90	1599	1282	870730	923076
7	2	19	443387	68	1351	0	478202	923076
8	2	10	295084	95	1822	0	625980	923076
9	3	10	33535	89	1588	1826	885860	923076
10	3	8	59971	62	1387	1596	859936	923076
11	1	17	783030	76	0	0	139970	923076
12	1	17	711673	51	0	0	211352	923076
13	3	15	248980	59	1528	1609	670782	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	3	7	698578	97	1102	1866	48163	750000
2	2	19	155038	93	931	0	593845	750000
3	1	18	153245	90	0	0	596665	750000
4	2	11	69457	97	1264	0	679085	750000
5	2	15	650610	82	1288	0	97938	750000
6	2	13	99962	57	1688	0	648236	750000
7	3	15	230478	50	1349	972	517051	750000
8	1	16	97259	62	0	0	652679	750000
9	3	19	723903	84	1740	1752	22353	750000
10	1	14	535696	98	0	0	214206	750000
11	3	9	228858	59	1119	1181	518665	750000
12	1	10	322213	91	0	0	427696	750000
13	3	6	147945	100	1663	1179	598913	750000
14	2	17	318070	70	1826	0	429964	750000
15	3	8	567491	85	1243	1640	179371	750000
16	3	19	667335	77	1450	1119	79865	750000

Type 5 #13 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	16	238149	78	1388	0	1260307	1500000
2	3	8	508232	50	1871	1216	988531	1500000
3	3	6	842985	78	1467	1560	653754	1500000
4	2	16	82087	57	1232	0	1416567	1500000
5	2	18	818626	53	1462	0	679806	1500000
6	2	11	889616	64	1839	0	608417	1500000
7	1	10	1087053	53	0	0	412894	1500000
8	2	8	1330411	97	985	0	168410	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	3	19	767049	72	1490	1084	430161	1200000
2	1	10	1096422	95	0	0	103483	1200000
3	1	16	421911	59	0	0	778030	1200000
4	1	14	772105	82	0	0	427813	1200000
5	1	20	588231	76	0	0	611693	1200000
6	2	15	914642	88	1404	0	283778	1200000
7	3	14	991270	57	1323	1010	206226	1200000
8	1	5	218672	65	0	0	981263	1200000
9	1	19	272365	68	0	0	927567	1200000
10	2	20	1111922	54	1494	0	86476	1200000

Type 5 #15 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	1	18	324476	83	0	0	675441	1000000
2	2	10	261059	96	1158	0	737591	1000000
3	1	19	664682	57	0	0	335261	1000000
4	3	17	975746	72	1642	1462	20934	1000000
5	2	5	445147	83	921	0	553766	1000000
6	1	9	290376	64	0	0	709560	1000000
7	2	10	731721	70	1128	0	267011	1000000
8	1	7	274356	88	0	0	725556	1000000
9	1	7	457484	90	0	0	542426	1000000
10	3	20	692218	52	983	1334	305309	1000000
11	1	15	381191	89	0	0	618720	1000000
12	2	14	954169	78	1604	0	44071	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	9	59760	100	1548	0	688492	750000
2	3	16	378343	94	1855	1075	368445	750000
3	1	12	311617	64	0	0	438319	750000
4	3	19	12593	92	1725	914	734492	750000
5	2	14	379791	98	1138	0	368875	750000
6	3	19	355595	50	1580	1104	391571	750000
7	3	18	379174	75	1227	1409	367965	750000
8	2	7	65238	57	1235	0	683413	750000
9	1	19	372956	59	0	0	376985	750000
10	1	16	558379	99	0	0	191522	750000
11	3	20	39902	94	1547	918	707351	750000
12	3	14	579404	70	1691	1782	166913	750000
13	1	5	236665	50	0	0	513285	750000
14	3	6	384674	81	1179	1235	362669	750000
15	3	16	301411	92	1231	1634	445448	750000
16	1	17	36458	50	0	0	713492	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	3	14	1004995	73	1781	1787	191218	1200000
2	1	6	966027	89	0	0	233884	1200000
3	2	13	243057	66	1703	0	955108	1200000
4	1	16	627306	80	0	0	572614	1200000
5	3	11	141574	72	1099	1121	1055990	1200000
6	3	10	673726	85	1226	999	523794	1200000
7	3	14	503604	90	1344	1455	693327	1200000
8	2	17	586920	97	1768	0	611118	1200000
9	1	9	607876	86	0	0	592038	1200000
10	1	13	296339	78	0	0	903583	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	8	535389	63	0	0	170430	705882
2	2	11	664961	65	1671	0	39120	705882
3	1	12	8729	96	0	0	697057	705882
4	1	13	669310	70	0	0	36502	705882
5	2	16	554714	83	1049	0	149953	705882
6	3	20	634749	100	1108	1361	68364	705882
7	2	7	44912	86	1720	0	659078	705882
8	2	16	569578	63	1544	0	134634	705882
9	3	5	446771	62	1664	1919	255342	705882
10	3	8	692122	51	1416	1836	10355	705882
11	1	18	360749	61	0	0	345072	705882
12	2	13	562248	76	1133	0	142349	705882
13	1	13	87581	92	0	0	618209	705882
14	1	6	279191	50	0	0	426641	705882
15	2	15	98167	99	1816	0	605701	705882
16	2	16	568203	70	1336	0	136203	705882
17	1	19	460	52	0	0	705370	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	1	12	548886	81	0	0	51033	600000
2	3	17	237263	78	1676	1119	359708	600000
3	1	11	293770	87	0	0	306143	600000
4	2	14	379789	87	1742	0	218295	600000
5	2	8	72754	74	996	0	526102	600000
6	3	17	253165	73	1121	1631	343864	600000
7	1	8	505784	94	0	0	94122	600000
8	2	17	104527	75	1026	0	494297	600000
9	3	8	76775	96	1390	1421	520126	600000
10	2	8	38327	50	1755	0	559818	600000
11	2	9	301959	60	1394	0	296527	600000
12	3	10	462144	78	975	1409	135238	600000
13	2	17	85546	52	1179	0	513171	600000
14	2	20	568915	78	1026	0	29903	600000
15	2	17	159186	83	1552	0	439096	600000
16	3	20	320560	78	1154	1374	276678	600000
17	2	20	342614	82	1870	0	255352	600000
18	3	15	28726	67	1875	1401	567797	600000
19	3	10	170717	53	1120	1660	426344	600000
20	3	11	68065	57	1193	1644	528927	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	2	18	56957	75	1163	0	541730	600000
2	1	18	20692	66	0	0	579242	600000
3	1	11	496862	58	0	0	103080	600000
4	1	15	136752	79	0	0	463169	600000
5	1	12	282308	58	0	0	317634	600000
6	3	9	159715	86	1007	918	438102	600000
7	1	5	171583	54	0	0	428363	600000
8	3	20	582146	76	1316	994	15316	600000
9	1	20	82406	80	0	0	517514	600000
10	1	18	113472	83	0	0	486445	600000
11	3	5	123539	95	1321	1368	473487	600000
12	3	15	465498	77	1413	1516	131342	600000
13	2	6	193828	57	1679	0	404379	600000
14	3	20	503341	50	1427	1835	93247	600000
15	3	16	133330	75	1052	1641	463752	600000
16	2	10	54339	62	1829	0	543708	600000
17	1	9	354746	56	0	0	245198	600000
18	2	10	534933	91	1060	0	63825	600000
19	2	9	571293	90	1345	0	27182	600000
20	2	18	380743	60	1428	0	217709	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	5	472030	94	1025	1822	156419	631578
2	1	10	182033	61	0	0	449484	631578
3	1	19	283148	64	0	0	348366	631578
4	3	12	129742	99	1634	1021	498884	631578
5	2	20	55093	66	1283	0	575070	631578
6	1	7	136400	64	0	0	495114	631578
7	1	17	427781	77	0	0	203720	631578
8	1	12	49575	69	0	0	581934	631578
9	1	18	461946	84	0	0	169548	631578
10	1	14	156921	92	0	0	474565	631578
11	2	20	333209	70	1069	0	297160	631578
12	3	10	243658	54	1376	1218	385164	631578
13	3	5	569131	85	1622	1389	59181	631578
14	1	17	309403	65	0	0	322110	631578
15	2	6	562441	94	1269	0	67680	631578
16	2	9	313279	52	1423	0	316772	631578
17	2	6	509513	69	1498	0	120429	631578
18	1	15	184123	51	0	0	447404	631578
19	2	8	623960	69	1668	0	5812	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	20	659367	55	1339	0	139184	800000
2	1	18	606787	77	0	0	193136	800000
3	3	19	314436	76	1700	1560	482076	800000
4	1	20	619716	55	0	0	180229	800000
5	3	14	146444	75	1390	1823	650118	800000
6	3	5	282455	66	1241	1034	515072	800000
7	1	17	404871	54	0	0	395075	800000
8	1	18	519303	54	0	0	280643	800000
9	2	13	517603	98	1244	0	280957	800000
10	1	9	41111	69	0	0	758820	800000
11	3	9	73111	71	1221	1892	723563	800000
12	1	15	57011	90	0	0	742899	800000
13	1	17	430791	98	0	0	369111	800000
14	2	14	668643	83	1294	0	129897	800000
15	3	7	243629	56	1879	1199	553125	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	8	807418	99	1718	1510	189057	1000000
2	2	6	824458	63	1818	0	173598	1000000
3	1	20	733610	59	0	0	266331	1000000
4	3	5	622062	79	1571	1617	374513	1000000
5	2	15	910001	100	983	0	88816	1000000
6	2	19	491562	64	1663	0	506647	1000000
7	1	14	139413	100	0	0	860487	1000000
8	1	18	462008	77	0	0	537915	1000000
9	2	12	659478	67	1365	0	339023	1000000
10	3	8	417449	75	1775	1169	579382	1000000
11	2	14	751308	96	1515	0	246985	1000000
12	2	14	696871	99	1635	0	301296	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	11	878611	67	1321	0	210843	1090909
2	1	18	689433	80	0	0	401396	1090909
3	1	13	272565	88	0	0	818256	1090909
4	2	20	928982	56	1281	0	160534	1090909
5	2	15	547879	86	949	0	541909	1090909
6	1	11	410580	79	0	0	680250	1090909
7	3	7	830929	80	1901	1014	256825	1090909
8	1	7	56609	50	0	0	1034250	1090909
9	1	11	656095	51	0	0	434763	1090909
10	1	9	914101	81	0	0	176727	1090909
11	2	9	618899	68	1560	0	470314	1090909

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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	20	634974	57	1531	1242	112082	750000
2	1	11	523653	91	0	0	226256	750000
3	3	12	591237	62	1123	1597	155857	750000
4	1	20	693042	67	0	0	56891	750000
5	1	7	84808	92	0	0	665100	750000
6	3	8	43238	71	1227	1142	704180	750000
7	1	5	381590	60	0	0	368350	750000
8	1	17	403379	98	0	0	346523	750000
9	3	17	545265	65	1395	1568	201577	750000
10	3	6	426635	88	980	1091	321030	750000
11	1	15	482990	96	0	0	266914	750000
12	2	5	675249	95	1776	0	72785	750000
13	3	20	430894	80	1519	1255	316092	750000
14	2	20	536321	61	1856	0	211701	750000
15	1	15	510787	79	0	0	239134	750000
16	1	8	316498	80	0	0	433422	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	3	7	899103	65	1053	1578	188980	1090909
2	1	11	1031308	78	0	0	59523	1090909
3	2	19	902578	97	1538	0	186599	1090909
4	3	18	307536	93	1204	1060	780830	1090909
5	2	7	609541	56	1407	0	479849	1090909
6	2	20	1044927	63	1464	0	44392	1090909
7	3	14	455892	79	1888	1493	631399	1090909
8	3	13	917629	98	1262	903	170821	1090909
9	1	17	110541	77	0	0	980291	1090909
10	3	20	976095	91	1164	1652	111725	1090909
11	1	11	190542	100	0	0	900267	1090909

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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	7	878433	54	1903	0	619556	1500000
2	3	16	1001207	100	1262	1213	496018	1500000
3	1	5	1356072	64	0	0	143864	1500000
4	3	9	924247	90	1590	999	572894	1500000
5	3	16	406649	73	1371	1912	1089849	1500000
6	1	9	908554	90	0	0	591356	1500000
7	2	11	1309623	70	1103	0	189134	1500000
8	1	11	1481310	70	0	0	18620	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	3	17	1059620	71	1211	1488	437468	1500000
2	1	6	713458	92	0	0	786450	1500000
3	3	6	935069	87	1326	1883	561461	1500000
4	2	14	1153991	76	1508	0	344349	1500000
5	3	16	1328809	52	1063	1808	168164	1500000
6	3	12	1035781	51	1338	1815	460913	1500000
7	1	9	1004596	89	0	0	495315	1500000
8	2	9	564848	95	953	0	934009	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	3	18	152083	95	1217	1882	594533	750000
2	1	19	609540	92	0	0	140368	750000
3	2	20	60816	64	1298	0	687758	750000
4	1	18	272594	85	0	0	477321	750000
5	3	6	37898	82	1763	959	709134	750000
6	2	20	468983	85	991	0	279856	750000
7	1	11	161764	77	0	0	588159	750000
8	1	9	410775	91	0	0	339134	750000
9	3	17	39521	83	1539	1415	707276	750000
10	1	18	682830	88	0	0	67082	750000
11	2	7	512753	62	1394	0	235729	750000
12	2	16	582119	51	1000	0	166779	750000
13	1	13	220426	67	0	0	529507	750000
14	3	12	540909	63	1806	1829	205267	750000
15	1	18	113585	63	0	0	636352	750000
16	3	5	591490	86	938	1503	155811	750000

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

#01-5607	#02-5392	#03-5630	#04-5623	#05-5424	#06-5645	#07-5458	#08-5663	#09-5653	#10-5642
#11-5334	#12-5473	#13-5611	#14-5496	#15-5386	#16-5520	#17-5320	#18-5481	#19-5657	#20-5360
#21-5518	#22-5449	#23-5302	#24-5614	#25-5401	#26-5427	#27-5266	#28-5509	#29-5714	#30-5506
#31-5256	#32-5325	#33-5373	#34-5261	#35-5706	#36-5592	#37-5690	#38-5692	#39-5542	#40-5258
#41-5281	#42-5510	#43-5569	#44-5491	#45-5416	#46-5660	#47-5410	#48-5515	#49-5328	#50-5419
#51-5356	#52-5408	#53-5460	#54-5577	#55-5259	#56-5272	#57-5467	#58-5442	#59-5403	#60-5664
#61-5385	#62-5327	#63-5397	#64-5487	#65-5485	#66-5405	#67-5264	#68-5453	#69-5443	#70-5701
#71-5440	#72-5626	#73-5517	#74-5294	#75-5634	#76-5260	#77-5330	#78-5348	#79-5250	#80-5631
#81-5495	#82-5654	#83-5583	#84-5667	#85-5474	#86-5389	#87-5319	#88-5621	#89-5432	#90-5422
#91-5254	#92-5656	#93-5505	#94-5396	#95-5311	#96-5715	#97-5362	#98-5380	#99-5693	#100-5559

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

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

#01-5309	#02-5689	#03-5363	#04-5456	#05-5361	#06-5304	#07-5465	#08-5385	#09-5398	#10-5491
#11-5471	#12-5632	#13-5634	#14-5335	#15-5595	#16-5573	#17-5718	#18-5561	#19-5371	#20-5255
#21-5334	#22-5597	#23-5630	#24-5329	#25-5549	#26-5677	#27-5387	#28-5259	#29-5540	#30-5654
#31-5610	#32-5609	#33-5661	#34-5594	#35-5618	#36-5554	#37-5268	#38-5338	#39-5578	#40-5485
#41-5283	#42-5655	#43-5507	#44-5273	#45-5596	#46-5311	#47-5441	#48-5392	#49-5621	#50-5708
#51-5544	#52-5572	#53-5553	#54-5700	#55-5342	#56-5457	#57-5377	#58-5536	#59-5352	#60-5327
#61-5375	#62-5583	#63-5586	#64-5697	#65-5702	#66-5447	#67-5629	#68-5477	#69-5517	#70-5494
#71-5301	#72-5666	#73-5373	#74-5306	#75-5678	#76-5615	#77-5671	#78-5591	#79-5643	#80-5316
#81-5287	#82-5358	#83-5619	#84-5526	#85-5347	#86-5616	#87-5706	#88-5501	#89-5360	#90-5425
#91-5344	#92-5646	#93-5724	#94-5624	#95-5570	#96-5464	#97-5374	#98-5424	#99-5328	#100-5317

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

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

#01-5304	#02-5309	#03-5648	#04-5400	#05-5334	#06-5320	#07-5583	#08-5462	#09-5381	#10-5508
#11-5664	#12-5614	#13-5519	#14-5711	#15-5589	#16-5571	#17-5425	#18-5645	#19-5556	#20-5353
#21-5495	#22-5266	#23-5384	#24-5600	#25-5572	#26-5451	#27-5306	#28-5294	#29-5457	#30-5467
#31-5469	#32-5593	#33-5724	#34-5707	#35-5298	#36-5695	#37-5376	#38-5263	#39-5545	#40-5668
#41-5494	#42-5369	#43-5576	#44-5485	#45-5454	#46-5284	#47-5288	#48-5453	#49-5592	#50-5699
#51-5547	#52-5649	#53-5552	#54-5607	#55-5264	#56-5528	#57-5417	#58-5291	#59-5445	#60-5270
#61-5520	#62-5253	#63-5540	#64-5601	#65-5299	#66-5632	#67-5261	#68-5409	#69-5250	#70-5621
#71-5533	#72-5365	#73-5368	#74-5325	#75-5292	#76-5269	#77-5295	#78-5418	#79-5602	#80-5619
#81-5427	#82-5373	#83-5647	#84-5548	#85-5380	#86-5530	#87-5389	#88-5327	#89-5535	#90-5290
#91-5433	#92-5580	#93-5259	#94-5468	#95-5372	#96-5713	#97-5581	#98-5539	#99-5546	#100-5391

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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**

#01-5366	#02-5658	#03-5433	#04-5532	#05-5697	#06-5509	#07-5371	#08-5480	#09-5276	#10-5568
#11-5376	#12-5343	#13-5310	#14-5416	#15-5678	#16-5475	#17-5502	#18-5455	#19-5270	#20-5647
#21-5426	#22-5723	#23-5324	#24-5659	#25-5469	#26-5282	#27-5525	#28-5648	#29-5430	#30-5443
#31-5271	#32-5329	#33-5605	#34-5526	#35-5257	#36-5714	#37-5364	#38-5573	#39-5558	#40-5680
#41-5689	#42-5508	#43-5447	#44-5307	#45-5487	#46-5674	#47-5302	#48-5418	#49-5293	#50-5375
#51-5519	#52-5623	#53-5690	#54-5368	#55-5583	#56-5499	#57-5313	#58-5664	#59-5708	#60-5448
#61-5300	#62-5547	#63-5297	#64-5463	#65-5409	#66-5361	#67-5654	#68-5622	#69-5389	#70-5692
#71-5461	#72-5464	#73-5601	#74-5602	#75-5707	#76-5332	#77-5473	#78-5479	#79-5667	#80-5400
#81-5620	#82-5534	#83-5706	#84-5561	#85-5613	#86-5380	#87-5590	#88-5618	#89-5621	#90-5481
#91-5639	#92-5675	#93-5625	#94-5259	#95-5273	#96-5617	#97-5454	#98-5477	#99-5379	#100-5656

**Type 6 #5 [Back to Summary]**

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

#01-5478	#02-5629	#03-5706	#04-5621	#05-5330	#06-5581	#07-5484	#08-5694	#09-5357	#10-5407
#11-5651	#12-5487	#13-5482	#14-5671	#15-5521	#16-5558	#17-5495	#18-5394	#19-5253	#20-5492
#21-5460	#22-5547	#23-5514	#24-5701	#25-5592	#26-5683	#27-5641	#28-5275	#29-5540	#30-5285
#31-5393	#32-5405	#33-5299	#34-5332	#35-5709	#36-5398	#37-5693	#38-5429	#39-5287	#40-5387
#41-5512	#42-5532	#43-5517	#44-5699	#45-5497	#46-5516	#47-5470	#48-5345	#49-5620	#50-5605
#51-5473	#52-5611	#53-5446	#54-5656	#55-5364	#56-5255	#57-5279	#58-5372	#59-5665	#60-5628
#61-5669	#62-5541	#63-5507	#64-5432	#65-5588	#66-5537	#67-5410	#68-5527	#69-5690	#70-5691
#71-5355	#72-5672	#73-5264	#74-5721	#75-5251	#76-5344	#77-5417	#78-5420	#79-5485	#80-5380
#81-5659	#82-5315	#83-5644	#84-5518	#85-5578	#86-5401	#87-5594	#88-5664	#89-5306	#90-5346
#91-5483	#92-5568	#93-5715	#94-5395	#95-5441	#96-5415	#97-5334	#98-5606	#99-5533	#100-5459

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

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

#01-5328	#02-5254	#03-5507	#04-5505	#05-5498	#06-5641	#07-5367	#08-5659	#09-5680	#10-5494
#11-5392	#12-5539	#13-5606	#14-5306	#15-5588	#16-5538	#17-5578	#18-5437	#19-5667	#20-5267
#21-5633	#22-5595	#23-5597	#24-5354	#25-5273	#26-5576	#27-5534	#28-5654	#29-5333	#30-5677
#31-5645	#32-5581	#33-5311	#34-5387	#35-5262	#36-5330	#37-5484	#38-5476	#39-5389	#40-5351
#41-5341	#42-5279	#43-5359	#44-5339	#45-5601	#46-5480	#47-5419	#48-5590	#49-5442	#50-5465
#51-5346	#52-5637	#53-5393	#54-5617	#55-5516	#56-5444	#57-5440	#58-5618	#59-5275	#60-5719
#61-5451	#62-5526	#63-5441	#64-5602	#65-5583	#66-5531	#67-5268	#68-5325	#69-5639	#70-5487
#71-5681	#72-5303	#73-5577	#74-5370	#75-5336	#76-5452	#77-5365	#78-5690	#79-5474	#80-5353
#81-5662	#82-5591	#83-5685	#84-5669	#85-5724	#86-5479	#87-5621	#88-5625	#89-5385	#90-5334
#91-5344	#92-5377	#93-5707	#94-5466	#95-5399	#96-5564	#97-5378	#98-5317	#99-5703	#100-5278

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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									
#01-5488	#02-5676	#03-5269	#04-5560	#05-5354	#06-5416	#07-5634	#08-5279	#09-5701	#10-5422
#11-5561	#12-5335	#13-5480	#14-5658	#15-5583	#16-5302	#17-5372	#18-5604	#19-5665	#20-5555
#21-5392	#22-5553	#23-5702	#24-5595	#25-5628	#26-5661	#27-5612	#28-5483	#29-5400	#30-5581
#31-5700	#32-5594	#33-5613	#34-5656	#35-5431	#36-5298	#37-5460	#38-5311	#39-5521	#40-5693
#41-5424	#42-5314	#43-5401	#44-5396	#45-5381	#46-5644	#47-5631	#48-5273	#49-5487	#50-5495
#51-5498	#52-5377	#53-5398	#54-5611	#55-5659	#56-5698	#57-5399	#58-5417	#59-5529	#60-5603
#61-5369	#62-5446	#63-5691	#64-5447	#65-5549	#66-5476	#67-5535	#68-5567	#69-5333	#70-5696
#71-5380	#72-5327	#73-5402	#74-5324	#75-5448	#76-5497	#77-5267	#78-5705	#79-5638	#80-5452
#81-5466	#82-5465	#83-5295	#84-5310	#85-5379	#86-5414	#87-5436	#88-5281	#89-5429	#90-5344
#91-5405	#92-5462	#93-5645	#94-5434	#95-5533	#96-5506	#97-5624	#98-5675	#99-5409	#100-5548

Type 6 #8 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5665	#02-5690	#03-5283	#04-5719	#05-5475	#06-5707	#07-5503	#08-5703	#09-5461	#10-5506
#11-5657	#12-5704	#13-5532	#14-5356	#15-5616	#16-5370	#17-5617	#18-5268	#19-5563	#20-5647
#21-5549	#22-5723	#23-5718	#24-5626	#25-5287	#26-5310	#27-5447	#28-5487	#29-5715	#30-5424
#31-5359	#32-5695	#33-5679	#34-5590	#35-5333	#36-5470	#37-5722	#38-5437	#39-5676	#40-5566
#41-5426	#42-5251	#43-5388	#44-5501	#45-5435	#46-5598	#47-5635	#48-5641	#49-5386	#50-5256
#51-5570	#52-5477	#53-5667	#54-5696	#55-5381	#56-5681	#57-5414	#58-5509	#59-5266	#60-5713
#61-5286	#62-5396	#63-5686	#64-5274	#65-5666	#66-5272	#67-5372	#68-5430	#69-5314	#70-5612
#71-5331	#72-5373	#73-5721	#74-5579	#75-5374	#76-5576	#77-5536	#78-5418	#79-5427	#80-5451
#81-5591	#82-5391	#83-5498	#84-5481	#85-5514	#86-5416	#87-5438	#88-5689	#89-5717	#90-5540
#91-5410	#92-5656	#93-5613	#94-5495	#95-5263	#96-5551	#97-5592	#98-5682	#99-5600	#100-5670

Type 6 #9 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5367	#02-5256	#03-5354	#04-5702	#05-5698	#06-5420	#07-5383	#08-5593	#09-5694	#10-5562
#11-5548	#12-5324	#13-5605	#14-5622	#15-5506	#16-5674	#17-5524	#18-5446	#19-5660	#20-5281
#21-5587	#22-5559	#23-5415	#24-5505	#25-5648	#26-5325	#27-5566	#28-5591	#29-5416	#30-5305
#31-5716	#32-5381	#33-5584	#34-5376	#35-5537	#36-5443	#37-5378	#38-5304	#39-5346	#40-5272
#41-5703	#42-5581	#43-5257	#44-5598	#45-5481	#46-5602	#47-5317	#48-5486	#49-5614	#50-5665
#51-5638	#52-5504	#53-5422	#54-5664	#55-5299	#56-5345	#57-5542	#58-5251	#59-5384	#60-5395
#61-5492	#62-5333	#63-5409	#64-5490	#65-5647	#66-5712	#67-5253	#68-5564	#69-5553	#70-5641
#71-5451	#72-5334	#73-5714	#74-5655	#75-5300	#76-5532	#77-5411	#78-5436	#79-5340	#80-5393
#81-5282	#82-5344	#83-5613	#84-5557	#85-5498	#86-5572	#87-5357	#88-5330	#89-5483	#90-5485
#91-5309	#92-5565	#93-5361	#94-5523	#95-5618	#96-5457	#97-5262	#98-5616	#99-5464	#100-5326

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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									
#01-5283	#02-5601	#03-5613	#04-5485	#05-5361	#06-5621	#07-5584	#08-5345	#09-5369	#10-5565
#11-5675	#12-5273	#13-5458	#14-5400	#15-5318	#16-5343	#17-5500	#18-5660	#19-5411	#20-5421
#21-5655	#22-5716	#23-5554	#24-5662	#25-5571	#26-5325	#27-5542	#28-5260	#29-5389	#30-5278
#31-5332	#32-5721	#33-5268	#34-5465	#35-5696	#36-5469	#37-5323	#38-5668	#39-5434	#40-5623
#41-5390	#42-5665	#43-5388	#44-5714	#45-5541	#46-5627	#47-5373	#48-5314	#49-5524	#50-5682
#51-5327	#52-5455	#53-5292	#54-5395	#55-5291	#56-5297	#57-5676	#58-5639	#59-5285	#60-5329
#61-5574	#62-5681	#63-5340	#64-5483	#65-5678	#66-5439	#67-5347	#68-5599	#69-5427	#70-5717
#71-5702	#72-5523	#73-5514	#74-5301	#75-5416	#76-5672	#77-5279	#78-5423	#79-5418	#80-5671
#81-5589	#82-5321	#83-5254	#84-5516	#85-5300	#86-5597	#87-5648	#88-5518	#89-5409	#90-5632
#91-5354	#92-5299	#93-5629	#94-5611	#95-5438	#96-5691	#97-5650	#98-5504	#99-5335	#100-5478

Type 6 #11 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5494	#02-5606	#03-5715	#04-5253	#05-5609	#06-5587	#07-5635	#08-5628	#09-5341	#10-5268
#11-5478	#12-5412	#13-5605	#14-5567	#15-5487	#16-5423	#17-5330	#18-5267	#19-5334	#20-5597
#21-5474	#22-5451	#23-5511	#24-5637	#25-5393	#26-5710	#27-5705	#28-5704	#29-5663	#30-5541
#31-5644	#32-5288	#33-5530	#34-5716	#35-5432	#36-5292	#37-5515	#38-5524	#39-5295	#40-5443
#41-5396	#42-5342	#43-5555	#44-5401	#45-5255	#46-5595	#47-5676	#48-5518	#49-5569	#50-5250
#51-5270	#52-5525	#53-5514	#54-5345	#55-5340	#56-5466	#57-5602	#58-5655	#59-5648	#60-5402
#61-5452	#62-5558	#63-5374	#64-5324	#65-5575	#66-5304	#67-5381	#68-5540	#69-5468	#70-5403
#71-5328	#72-5712	#73-5620	#74-5359	#75-5290	#76-5387	#77-5364	#78-5279	#79-5436	#80-5344
#81-5407	#82-5510	#83-5440	#84-5643	#85-5672	#86-5425	#87-5307	#88-5418	#89-5513	#90-5472
#91-5664	#92-5353	#93-5568	#94-5621	#95-5386	#96-5687	#97-5667	#98-5538	#99-5618	#100-5300

Type 6 #12 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5329	#02-5487	#03-5625	#04-5462	#05-5308	#06-5397	#07-5639	#08-5692	#09-5539	#10-5385
#11-5386	#12-5434	#13-5365	#14-5410	#15-5595	#16-5614	#17-5580	#18-5297	#19-5517	#20-5516
#21-5542	#22-5456	#23-5343	#24-5382	#25-5299	#26-5314	#27-5286	#28-5682	#29-5680	#30-5568
#31-5626	#32-5275	#33-5686	#34-5375	#35-5703	#36-5655	#37-5613	#38-5259	#39-5605	#40-5681
#41-5654	#42-5505	#43-5366	#44-5610	#45-5485	#46-5677	#47-5582	#48-5342	#49-5561	#50-5336
#51-5491	#52-5350	#53-5444	#54-5482	#55-5597	#56-5393	#57-5492	#58-5413	#59-5719	#60-5361
#61-5261	#62-5696	#63-5483	#64-5360	#65-5473	#66-5715	#67-5432	#68-5664	#69-5251	#70-5571
#71-5416	#72-5587	#73-5287	#74-5340	#75-5458	#76-5622	#77-5346	#78-5400	#79-5428	#80-5590
#81-5368	#82-5481	#83-5649	#84-5617	#85-5356	#86-5511	#87-5370	#88-5570	#89-5611	#90-5569
#91-5697	#92-5493	#93-5394	#94-5376	#95-5374	#96-5454	#97-5402	#98-5560	#99-5489	#100-5324

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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									
#01-5514	#02-5582	#03-5445	#04-5506	#05-5660	#06-5595	#07-5316	#08-5569	#09-5657	#10-5341
#11-5618	#12-5464	#13-5347	#14-5436	#15-5706	#16-5325	#17-5402	#18-5606	#19-5250	#20-5529
#21-5716	#22-5614	#23-5518	#24-5671	#25-5332	#26-5497	#27-5617	#28-5475	#29-5277	#30-5437
#31-5533	#32-5311	#33-5385	#34-5633	#35-5422	#36-5574	#37-5576	#38-5500	#39-5504	#40-5292
#41-5637	#42-5605	#43-5600	#44-5654	#45-5279	#46-5663	#47-5472	#48-5551	#49-5324	#50-5678
#51-5489	#52-5519	#53-5523	#54-5692	#55-5652	#56-5560	#57-5578	#58-5424	#59-5343	#60-5630
#61-5629	#62-5334	#63-5473	#64-5286	#65-5301	#66-5322	#67-5650	#68-5476	#69-5550	#70-5356
#71-5471	#72-5487	#73-5329	#74-5259	#75-5642	#76-5266	#77-5302	#78-5558	#79-5394	#80-5648
#81-5677	#82-5579	#83-5477	#84-5516	#85-5586	#86-5666	#87-5494	#88-5263	#89-5723	#90-5673
#91-5256	#92-5701	#93-5431	#94-5718	#95-5612	#96-5400	#97-5626	#98-5573	#99-5572	#100-5268

Type 6 #14 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5281	#02-5443	#03-5683	#04-5259	#05-5544	#06-5525	#07-5513	#08-5280	#09-5419	#10-5677
#11-5441	#12-5479	#13-5720	#14-5495	#15-5439	#16-5381	#17-5405	#18-5462	#19-5552	#20-5678
#21-5391	#22-5539	#23-5322	#24-5283	#25-5376	#26-5559	#27-5309	#28-5671	#29-5718	#30-5272
#31-5354	#32-5262	#33-5257	#34-5459	#35-5484	#36-5393	#37-5707	#38-5485	#39-5444	#40-5448
#41-5613	#42-5299	#43-5503	#44-5304	#45-5509	#46-5286	#47-5436	#48-5473	#49-5423	#50-5268
#51-5470	#52-5361	#53-5597	#54-5618	#55-5601	#56-5467	#57-5371	#58-5650	#59-5608	#60-5709
#61-5465	#62-5567	#63-5397	#64-5573	#65-5428	#66-5472	#67-5511	#68-5260	#69-5295	#70-5398
#71-5645	#72-5267	#73-5353	#74-5315	#75-5342	#76-5285	#77-5498	#78-5339	#79-5373	#80-5561
#81-5497	#82-5700	#83-5526	#84-5717	#85-5390	#86-5363	#87-5583	#88-5266	#89-5307	#90-5263
#91-5356	#92-5456	#93-5330	#94-5377	#95-5594	#96-5550	#97-5343	#98-5493	#99-5553	#100-5431

Type 6 #15 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5352	#02-5401	#03-5519	#04-5586	#05-5629	#06-5319	#07-5310	#08-5595	#09-5580	#10-5288
#11-5358	#12-5652	#13-5718	#14-5273	#15-5341	#16-5294	#17-5532	#18-5371	#19-5269	#20-5329
#21-5654	#22-5537	#23-5418	#24-5524	#25-5448	#26-5349	#27-5369	#28-5355	#29-5701	#30-5624
#31-5622	#32-5534	#33-5323	#34-5560	#35-5644	#36-5631	#37-5331	#38-5598	#39-5328	#40-5700
#41-5677	#42-5485	#43-5600	#44-5291	#45-5430	#46-5722	#47-5468	#48-5353	#49-5503	#50-5505
#51-5536	#52-5372	#53-5502	#54-5540	#55-5707	#56-5719	#57-5388	#58-5530	#59-5675	#60-5680
#61-5618	#62-5681	#63-5391	#64-5548	#65-5579	#66-5408	#67-5354	#68-5434	#69-5687	#70-5659
#71-5293	#72-5376	#73-5661	#74-5343	#75-5450	#76-5605	#77-5266	#78-5577	#79-5445	#80-5338
#81-5500	#82-5250	#83-5307	#84-5649	#85-5337	#86-5459	#87-5522	#88-5275	#89-5592	#90-5625
#91-5607	#92-5393	#93-5309	#94-5724	#95-5318	#96-5543	#97-5601	#98-5491	#99-5303	#100-5333

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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**

#01-5604	#02-5580	#03-5626	#04-5662	#05-5649	#06-5658	#07-5352	#08-5423	#09-5593	#10-5615
#11-5548	#12-5685	#13-5350	#14-5251	#15-5510	#16-5599	#17-5449	#18-5495	#19-5267	#20-5379
#21-5551	#22-5475	#23-5461	#24-5307	#25-5545	#26-5266	#27-5508	#28-5627	#29-5421	#30-5484
#31-5565	#32-5699	#33-5474	#34-5318	#35-5436	#36-5522	#37-5597	#38-5341	#39-5619	#40-5418
#41-5301	#42-5259	#43-5308	#44-5432	#45-5684	#46-5722	#47-5532	#48-5668	#49-5402	#50-5558
#51-5473	#52-5648	#53-5507	#54-5587	#55-5354	#56-5414	#57-5641	#58-5569	#59-5521	#60-5381
#61-5444	#62-5314	#63-5370	#64-5376	#65-5502	#66-5442	#67-5413	#68-5652	#69-5623	#70-5650
#71-5485	#72-5382	#73-5690	#74-5465	#75-5600	#76-5586	#77-5269	#78-5700	#79-5683	#80-5309
#81-5588	#82-5260	#83-5441	#84-5612	#85-5688	#86-5271	#87-5642	#88-5493	#89-5425	#90-5300
#91-5622	#92-5644	#93-5540	#94-5719	#95-5312	#96-5557	#97-5470	#98-5340	#99-5504	#100-5659

**Type 6 #17 [Back to Summary]**

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

#01-5548	#02-5412	#03-5374	#04-5621	#05-5614	#06-5261	#07-5254	#08-5493	#09-5622	#10-5593
#11-5562	#12-5322	#13-5581	#14-5303	#15-5453	#16-5659	#17-5478	#18-5391	#19-5259	#20-5379
#21-5475	#22-5435	#23-5484	#24-5296	#25-5650	#26-5408	#27-5537	#28-5278	#29-5523	#30-5610
#31-5428	#32-5558	#33-5653	#34-5436	#35-5317	#36-5716	#37-5324	#38-5260	#39-5637	#40-5724
#41-5527	#42-5431	#43-5310	#44-5571	#45-5684	#46-5665	#47-5583	#48-5580	#49-5586	#50-5363
#51-5465	#52-5529	#53-5323	#54-5702	#55-5574	#56-5688	#57-5578	#58-5441	#59-5464	#60-5349
#61-5707	#62-5384	#63-5488	#64-5652	#65-5591	#66-5699	#67-5592	#68-5623	#69-5404	#70-5381
#71-5346	#72-5380	#73-5673	#74-5253	#75-5424	#76-5450	#77-5691	#78-5467	#79-5679	#80-5667
#81-5273	#82-5315	#83-5343	#84-5373	#85-5501	#86-5427	#87-5360	#88-5407	#89-5446	#90-5510
#91-5448	#92-5332	#93-5281	#94-5608	#95-5279	#96-5682	#97-5432	#98-5706	#99-5368	#100-5399

**Type 6 #18 [Back to Summary]**

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

#01-5375	#02-5698	#03-5440	#04-5374	#05-5721	#06-5360	#07-5487	#08-5333	#09-5406	#10-5684
#11-5319	#12-5395	#13-5529	#14-5478	#15-5448	#16-5415	#17-5482	#18-5293	#19-5699	#20-5625
#21-5594	#22-5495	#23-5498	#24-5367	#25-5660	#26-5393	#27-5320	#28-5351	#29-5710	#30-5566
#31-5713	#32-5527	#33-5711	#34-5267	#35-5363	#36-5296	#37-5683	#38-5427	#39-5271	#40-5489
#41-5581	#42-5662	#43-5476	#44-5570	#45-5410	#46-5588	#47-5449	#48-5388	#49-5257	#50-5467
#51-5604	#52-5419	#53-5666	#54-5311	#55-5691	#56-5417	#57-5706	#58-5421	#59-5420	#60-5555
#61-5646	#62-5429	#63-5465	#64-5654	#65-5652	#66-5667	#67-5473	#68-5290	#69-5641	#70-5433
#71-5548	#72-5634	#73-5488	#74-5510	#75-5326	#76-5481	#77-5418	#78-5358	#79-5357	#80-5294
#81-5259	#82-5302	#83-5330	#84-5515	#85-5446	#86-5574	#87-5371	#88-5596	#89-5491	#90-5331
#91-5409	#92-5709	#93-5458	#94-5329	#95-5525	#96-5362	#97-5380	#98-5379	#99-5274	#100-5552

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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									
#01-5603	#02-5393	#03-5507	#04-5468	#05-5635	#06-5665	#07-5634	#08-5663	#09-5386	#10-5380
#11-5538	#12-5384	#13-5455	#14-5602	#15-5572	#16-5401	#17-5696	#18-5624	#19-5643	#20-5295
#21-5511	#22-5467	#23-5395	#24-5328	#25-5526	#26-5693	#27-5721	#28-5681	#29-5306	#30-5702
#31-5703	#32-5269	#33-5432	#34-5423	#35-5662	#36-5257	#37-5664	#38-5431	#39-5687	#40-5553
#41-5509	#42-5675	#43-5275	#44-5504	#45-5581	#46-5482	#47-5373	#48-5390	#49-5481	#50-5460
#51-5704	#52-5614	#53-5341	#54-5650	#55-5361	#56-5389	#57-5359	#58-5637	#59-5707	#60-5330
#61-5402	#62-5560	#63-5364	#64-5272	#65-5428	#66-5718	#67-5684	#68-5462	#69-5333	#70-5251
#71-5517	#72-5445	#73-5303	#74-5271	#75-5362	#76-5489	#77-5557	#78-5640	#79-5470	#80-5492
#81-5290	#82-5543	#83-5331	#84-5261	#85-5621	#86-5563	#87-5554	#88-5459	#89-5299	#90-5570
#91-5429	#92-5522	#93-5365	#94-5571	#95-5397	#96-5723	#97-5339	#98-5383	#99-5336	#100-5337

Type 6 #20 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5583	#02-5398	#03-5399	#04-5414	#05-5657	#06-5317	#07-5324	#08-5454	#09-5347	#10-5624
#11-5497	#12-5405	#13-5379	#14-5252	#15-5283	#16-5514	#17-5547	#18-5719	#19-5330	#20-5392
#21-5515	#22-5685	#23-5642	#24-5578	#25-5493	#26-5673	#27-5494	#28-5394	#29-5288	#30-5717
#31-5602	#32-5705	#33-5476	#34-5467	#35-5601	#36-5626	#37-5421	#38-5265	#39-5590	#40-5297
#41-5561	#42-5276	#43-5305	#44-5672	#45-5457	#46-5716	#47-5721	#48-5587	#49-5715	#50-5517
#51-5388	#52-5560	#53-5668	#54-5623	#55-5480	#56-5546	#57-5645	#58-5708	#59-5548	#60-5654
#61-5415	#62-5354	#63-5271	#64-5653	#65-5637	#66-5376	#67-5382	#68-5342	#69-5532	#70-5282
#71-5556	#72-5488	#73-5629	#74-5694	#75-5370	#76-5502	#77-5531	#78-5298	#79-5449	#80-5463
#81-5533	#82-5644	#83-5702	#84-5395	#85-5599	#86-5344	#87-5606	#88-5474	#89-5631	#90-5585
#91-5675	#92-5651	#93-5664	#94-5312	#95-5479	#96-5595	#97-5622	#98-5710	#99-5259	#100-5527

Type 6 #21 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5362	#02-5308	#03-5719	#04-5511	#05-5425	#06-5393	#07-5426	#08-5300	#09-5372	#10-5367
#11-5630	#12-5532	#13-5370	#14-5718	#15-5398	#16-5711	#17-5468	#18-5438	#19-5497	#20-5533
#21-5649	#22-5628	#23-5678	#24-5292	#25-5431	#26-5439	#27-5301	#28-5627	#29-5327	#30-5401
#31-5464	#32-5454	#33-5592	#34-5420	#35-5586	#36-5708	#37-5608	#38-5424	#39-5675	#40-5430
#41-5509	#42-5295	#43-5368	#44-5542	#45-5666	#46-5486	#47-5446	#48-5467	#49-5404	#50-5522
#51-5437	#52-5405	#53-5290	#54-5679	#55-5375	#56-5690	#57-5415	#58-5328	#59-5505	#60-5674
#61-5381	#62-5353	#63-5293	#64-5487	#65-5317	#66-5359	#67-5390	#68-5409	#69-5633	#70-5613
#71-5539	#72-5584	#73-5722	#74-5667	#75-5692	#76-5598	#77-5720	#78-5304	#79-5276	#80-5502
#81-5605	#82-5287	#83-5717	#84-5354	#85-5280	#86-5364	#87-5360	#88-5284	#89-5419	#90-5610
#91-5297	#92-5544	#93-5355	#94-5560	#95-5435	#96-5693	#97-5472	#98-5631	#99-5691	#100-5676

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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									
#01-5472	#02-5687	#03-5588	#04-5492	#05-5262	#06-5332	#07-5651	#08-5631	#09-5278	#10-5608
#11-5576	#12-5505	#13-5435	#14-5399	#15-5469	#16-5611	#17-5633	#18-5523	#19-5712	#20-5660
#21-5434	#22-5535	#23-5570	#24-5324	#25-5538	#26-5308	#27-5534	#28-5382	#29-5655	#30-5380
#31-5275	#32-5403	#33-5532	#34-5401	#35-5496	#36-5517	#37-5406	#38-5527	#39-5371	#40-5338
#41-5353	#42-5661	#43-5503	#44-5375	#45-5542	#46-5690	#47-5331	#48-5564	#49-5561	#50-5644
#51-5280	#52-5491	#53-5662	#54-5367	#55-5514	#56-5678	#57-5518	#58-5274	#59-5622	#60-5347
#61-5621	#62-5446	#63-5479	#64-5281	#65-5591	#66-5318	#67-5364	#68-5366	#69-5345	#70-5432
#71-5634	#72-5545	#73-5344	#74-5312	#75-5452	#76-5343	#77-5461	#78-5719	#79-5637	#80-5595
#81-5284	#82-5707	#83-5563	#84-5612	#85-5502	#86-5474	#87-5716	#88-5457	#89-5307	#90-5422
#91-5675	#92-5691	#93-5448	#94-5444	#95-5458	#96-5467	#97-5395	#98-5693	#99-5316	#100-5424

Type 6 #23 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5508	#02-5559	#03-5619	#04-5328	#05-5584	#06-5710	#07-5484	#08-5369	#09-5721	#10-5283
#11-5382	#12-5527	#13-5479	#14-5657	#15-5314	#16-5354	#17-5699	#18-5651	#19-5488	#20-5439
#21-5250	#22-5540	#23-5414	#24-5486	#25-5343	#26-5624	#27-5252	#28-5502	#29-5491	#30-5366
#31-5551	#32-5264	#33-5497	#34-5438	#35-5719	#36-5639	#37-5346	#38-5378	#39-5372	#40-5321
#41-5663	#42-5698	#43-5679	#44-5588	#45-5645	#46-5689	#47-5525	#48-5402	#49-5291	#50-5505
#51-5531	#52-5454	#53-5602	#54-5423	#55-5692	#56-5394	#57-5383	#58-5709	#59-5685	#60-5707
#61-5706	#62-5604	#63-5457	#64-5367	#65-5280	#66-5290	#67-5662	#68-5400	#69-5257	#70-5570
#71-5529	#72-5417	#73-5501	#74-5276	#75-5586	#76-5660	#77-5452	#78-5350	#79-5450	#80-5269
#81-5535	#82-5265	#83-5277	#84-5494	#85-5687	#86-5412	#87-5339	#88-5681	#89-5345	#90-5324
#91-5381	#92-5441	#93-5615	#94-5648	#95-5587	#96-5251	#97-5659	#98-5287	#99-5351	#100-5396

Type 6 #24 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5356	#02-5568	#03-5457	#04-5536	#05-5275	#06-5505	#07-5606	#08-5402	#09-5268	#10-5437
#11-5557	#12-5385	#13-5635	#14-5631	#15-5295	#16-5426	#17-5366	#18-5328	#19-5544	#20-5655
#21-5511	#22-5420	#23-5459	#24-5532	#25-5261	#26-5589	#27-5348	#28-5417	#29-5651	#30-5267
#31-5498	#32-5518	#33-5594	#34-5645	#35-5650	#36-5480	#37-5582	#38-5387	#39-5558	#40-5325
#41-5668	#42-5305	#43-5609	#44-5479	#45-5623	#46-5676	#47-5345	#48-5712	#49-5482	#50-5610
#51-5683	#52-5531	#53-5465	#54-5569	#55-5398	#56-5722	#57-5253	#58-5263	#59-5640	#60-5507
#61-5710	#62-5342	#63-5419	#64-5308	#65-5591	#66-5405	#67-5714	#68-5705	#69-5539	#70-5704
#71-5494	#72-5469	#73-5456	#74-5476	#75-5575	#76-5303	#77-5363	#78-5637	#79-5429	#80-5418
#81-5382	#82-5379	#83-5326	#84-5501	#85-5578	#86-5373	#87-5643	#88-5543	#89-5682	#90-5688
#91-5550	#92-5612	#93-5467	#94-5687	#95-5364	#96-5422	#97-5638	#98-5439	#99-5311	#100-5477

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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									
#01-5363	#02-5646	#03-5397	#04-5675	#05-5624	#06-5252	#07-5503	#08-5531	#09-5648	#10-5287
#11-5494	#12-5604	#13-5276	#14-5638	#15-5454	#16-5306	#17-5714	#18-5580	#19-5575	#20-5651
#21-5279	#22-5492	#23-5703	#24-5274	#25-5415	#26-5621	#27-5614	#28-5256	#29-5505	#30-5476
#31-5349	#32-5650	#33-5626	#34-5687	#35-5579	#36-5335	#37-5628	#38-5474	#39-5641	#40-5289
#41-5401	#42-5290	#43-5460	#44-5258	#45-5441	#46-5298	#47-5635	#48-5366	#49-5649	#50-5300
#51-5589	#52-5385	#53-5447	#54-5595	#55-5668	#56-5372	#57-5510	#58-5253	#59-5301	#60-5524
#61-5393	#62-5536	#63-5394	#64-5678	#65-5374	#66-5599	#67-5696	#68-5336	#69-5355	#70-5659
#71-5612	#72-5602	#73-5452	#74-5693	#75-5406	#76-5430	#77-5627	#78-5615	#79-5425	#80-5485
#81-5514	#82-5428	#83-5341	#84-5636	#85-5367	#86-5471	#87-5399	#88-5304	#89-5316	#90-5347
#91-5286	#92-5562	#93-5669	#94-5654	#95-5498	#96-5570	#97-5404	#98-5353	#99-5547	#100-5634

Type 6 #26 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5537	#02-5360	#03-5634	#04-5413	#05-5670	#06-5583	#07-5687	#08-5258	#09-5693	#10-5609
#11-5319	#12-5462	#13-5250	#14-5555	#15-5568	#16-5306	#17-5351	#18-5363	#19-5529	#20-5667
#21-5470	#22-5268	#23-5481	#24-5266	#25-5673	#26-5460	#27-5533	#28-5264	#29-5648	#30-5440
#31-5488	#32-5692	#33-5334	#34-5538	#35-5252	#36-5615	#37-5371	#38-5489	#39-5323	#40-5386
#41-5594	#42-5309	#43-5584	#44-5285	#45-5569	#46-5562	#47-5581	#48-5347	#49-5251	#50-5434
#51-5595	#52-5519	#53-5604	#54-5328	#55-5397	#56-5336	#57-5635	#58-5477	#59-5450	#60-5679
#61-5686	#62-5699	#63-5282	#64-5471	#65-5280	#66-5304	#67-5716	#68-5290	#69-5593	#70-5399
#71-5421	#72-5695	#73-5705	#74-5603	#75-5435	#76-5262	#77-5463	#78-5540	#79-5658	#80-5468
#81-5284	#82-5578	#83-5571	#84-5661	#85-5639	#86-5348	#87-5311	#88-5536	#89-5341	#90-5551
#91-5292	#92-5515	#93-5442	#94-5349	#95-5329	#96-5370	#97-5433	#98-5357	#99-5416	#100-5321

Type 6 #27 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5524	#02-5598	#03-5264	#04-5667	#05-5472	#06-5284	#07-5429	#08-5478	#09-5655	#10-5347
#11-5381	#12-5717	#13-5682	#14-5436	#15-5272	#16-5398	#17-5484	#18-5322	#19-5715	#20-5644
#21-5453	#22-5269	#23-5302	#24-5393	#25-5471	#26-5271	#27-5419	#28-5449	#29-5420	#30-5475
#31-5540	#32-5301	#33-5688	#34-5304	#35-5697	#36-5646	#37-5601	#38-5670	#39-5607	#40-5307
#41-5410	#42-5454	#43-5636	#44-5523	#45-5485	#46-5368	#47-5327	#48-5656	#49-5610	#50-5361
#51-5366	#52-5497	#53-5593	#54-5504	#55-5546	#56-5596	#57-5446	#58-5450	#59-5259	#60-5278
#61-5565	#62-5665	#63-5718	#64-5382	#65-5299	#66-5476	#67-5512	#68-5445	#69-5295	#70-5286
#71-5395	#72-5584	#73-5573	#74-5481	#75-5672	#76-5510	#77-5621	#78-5342	#79-5518	#80-5534
#81-5363	#82-5424	#83-5529	#84-5344	#85-5401	#86-5300	#87-5501	#88-5400	#89-5650	#90-5597
#91-5649	#92-5582	#93-5320	#94-5491	#95-5711	#96-5277	#97-5430	#98-5348	#99-5640	#100-5321

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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									
#01-5460	#02-5448	#03-5645	#04-5698	#05-5364	#06-5498	#07-5665	#08-5373	#09-5641	#10-5485
#11-5676	#12-5483	#13-5391	#14-5386	#15-5624	#16-5582	#17-5622	#18-5425	#19-5260	#20-5294
#21-5369	#22-5413	#23-5366	#24-5659	#25-5715	#26-5410	#27-5339	#28-5268	#29-5634	#30-5314
#31-5338	#32-5435	#33-5353	#34-5318	#35-5620	#36-5603	#37-5428	#38-5661	#39-5252	#40-5527
#41-5680	#42-5518	#43-5349	#44-5654	#45-5446	#46-5592	#47-5379	#48-5380	#49-5254	#50-5337
#51-5596	#52-5296	#53-5331	#54-5711	#55-5707	#56-5678	#57-5408	#58-5646	#59-5463	#60-5576
#61-5397	#62-5490	#63-5284	#64-5288	#65-5253	#66-5703	#67-5443	#68-5489	#69-5258	#70-5559
#71-5567	#72-5458	#73-5573	#74-5685	#75-5616	#76-5481	#77-5618	#78-5401	#79-5505	#80-5333
#81-5347	#82-5577	#83-5271	#84-5539	#85-5617	#86-5569	#87-5538	#88-5313	#89-5370	#90-5457
#91-5377	#92-5588	#93-5400	#94-5329	#95-5286	#96-5358	#97-5563	#98-5275	#99-5340	#100-5447

Type 6 #29 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5515	#02-5495	#03-5683	#04-5642	#05-5313	#06-5393	#07-5432	#08-5611	#09-5297	#10-5439
#11-5336	#12-5722	#13-5507	#14-5414	#15-5270	#16-5504	#17-5354	#18-5452	#19-5478	#20-5552
#21-5589	#22-5490	#23-5538	#24-5723	#25-5568	#26-5267	#27-5540	#28-5292	#29-5305	#30-5591
#31-5355	#32-5509	#33-5303	#34-5293	#35-5436	#36-5306	#37-5314	#38-5606	#39-5255	#40-5330
#41-5398	#42-5663	#43-5707	#44-5640	#45-5265	#46-5579	#47-5459	#48-5281	#49-5522	#50-5513
#51-5583	#52-5274	#53-5682	#54-5578	#55-5643	#56-5470	#57-5375	#58-5617	#59-5590	#60-5384
#61-5469	#62-5360	#63-5702	#64-5399	#65-5395	#66-5670	#67-5584	#68-5410	#69-5389	#70-5289
#71-5310	#72-5586	#73-5351	#74-5524	#75-5438	#76-5697	#77-5319	#78-5567	#79-5651	#80-5278
#81-5335	#82-5500	#83-5517	#84-5561	#85-5714	#86-5411	#87-5464	#88-5264	#89-5570	#90-5296
#91-5710	#92-5530	#93-5287	#94-5429	#95-5542	#96-5610	#97-5358	#98-5724	#99-5539	#100-5609

Type 6 #30 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5274	#02-5342	#03-5379	#04-5618	#05-5359	#06-5400	#07-5300	#08-5320	#09-5331	#10-5616
#11-5624	#12-5374	#13-5558	#14-5475	#15-5681	#16-5422	#17-5670	#18-5444	#19-5263	#20-5600
#21-5545	#22-5487	#23-5259	#24-5404	#25-5388	#26-5685	#27-5724	#28-5652	#29-5414	#30-5518
#31-5686	#32-5659	#33-5677	#34-5639	#35-5622	#36-5282	#37-5571	#38-5629	#39-5419	#40-5721
#41-5449	#42-5395	#43-5529	#44-5418	#45-5301	#46-5607	#47-5611	#48-5551	#49-5643	#50-5344
#51-5570	#52-5258	#53-5453	#54-5580	#55-5369	#56-5463	#57-5696	#58-5439	#59-5393	#60-5641
#61-5348	#62-5662	#63-5440	#64-5605	#65-5561	#66-5309	#67-5390	#68-5349	#69-5470	#70-5267
#71-5346	#72-5341	#73-5454	#74-5711	#75-5337	#76-5327	#77-5362	#78-5350	#79-5496	#80-5592
#81-5338	#82-5669	#83-5436	#84-5292	#85-5637	#86-5357	#87-5658	#88-5705	#89-5532	#90-5296
#91-5702	#92-5421	#93-5552	#94-5411	#95-5544	#96-5673	#97-5319	#98-5297	#99-5356	#100-5488

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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	18	977642	100	0	0	22258	1000000
2	3	12	828798	50	1778	1219	168055	1000000
3	2	6	238062	57	1599	0	760225	1000000
4	2	6	623181	65	1815	0	374874	1000000
5	3	13	730654	86	1543	1752	265793	1000000
6	2	10	168972	77	1713	0	829161	1000000
7	3	5	811171	57	1299	1753	185606	1000000
8	3	15	550333	76	1397	1247	446795	1000000
9	3	17	639692	74	968	1582	357536	1000000
10	1	5	164910	55	0	0	835035	1000000
11	3	14	140080	75	1402	1109	857184	1000000
12	1	19	503664	77	0	0	496259	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	20	256853	89	976	0	599135	857142
2	2	13	186236	92	1515	0	669207	857142
3	1	7	517456	78	0	0	339608	857142
4	1	16	707145	54	0	0	149943	857142
5	3	15	369103	57	1062	1529	485277	857142
6	2	10	559862	89	1541	0	295561	857142
7	1	13	702350	56	0	0	154736	857142
8	1	16	657112	62	0	0	199968	857142
9	3	8	377842	68	1286	1526	476284	857142
10	3	20	28105	79	1325	1795	825680	857142
11	1	16	15007	75	0	0	842060	857142
12	2	13	474238	90	1097	0	381627	857142
13	2	6	734485	76	1126	0	121379	857142
14	1	14	626554	54	0	0	230534	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	2	10	624755	72	1643	0	706791	1333333
2	3	6	1144561	89	1588	1550	185367	1333333
3	2	12	796998	69	1528	0	534669	1333333
4	3	13	942947	71	1382	1203	387588	1333333
5	2	12	155045	60	1780	0	1176388	1333333
6	1	7	1149427	87	0	0	183819	1333333
7	3	9	981929	61	1460	1525	348236	1333333
8	3	10	1150911	62	1521	1646	179069	1333333
9	2	19	849142	85	1050	0	482971	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	1	15	48550	72	0	0	751378	800000
2	1	15	744565	91	0	0	55344	800000
3	1	15	457623	63	0	0	342314	800000
4	2	13	707607	68	1709	0	90548	800000
5	2	20	687322	53	958	0	111614	800000
6	1	8	696742	59	0	0	103199	800000
7	2	20	413184	93	1426	0	385204	800000
8	3	13	163400	74	1402	1636	633340	800000
9	3	12	504099	97	1781	1558	292271	800000
10	2	17	282827	80	1872	0	515141	800000
11	2	17	49817	89	1470	0	748535	800000
12	3	11	679923	80	1321	1384	117132	800000
13	2	17	467698	63	1900	0	330276	800000
14	3	6	642324	97	987	1781	154617	800000
15	2	11	48318	99	1489	0	749995	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	1	14	450702	77	0	0	549221	1000000
2	3	12	955345	60	1136	1652	41687	1000000
3	2	20	308821	89	987	0	690014	1000000
4	3	13	690315	53	1177	1023	307326	1000000
5	1	15	663791	89	0	0	336120	1000000
6	3	13	124457	74	1125	1760	872436	1000000
7	2	8	867693	82	1090	0	131053	1000000
8	3	12	764785	70	973	1236	232796	1000000
9	3	9	799194	90	1224	1041	198271	1000000
10	2	19	357079	92	1810	0	640927	1000000
11	3	7	783936	83	1678	1823	212314	1000000
12	1	20	996419	87	0	0	3494	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	7	276527	58	1657	1847	351373	631578
2	3	5	581591	83	1104	1688	46946	631578
3	1	11	221110	100	0	0	410368	631578
4	3	5	140498	84	1285	1837	487706	631578
5	1	14	626240	83	0	0	5255	631578
6	1	14	274206	99	0	0	357273	631578
7	1	17	628685	68	0	0	2825	631578
8	3	7	35436	55	1362	1842	592773	631578
9	3	18	464870	62	1108	1151	164263	631578
10	1	13	275797	89	0	0	355692	631578
11	1	19	396511	53	0	0	235014	631578
12	3	5	573988	81	1404	1059	54884	631578
13	1	5	386609	95	0	0	244874	631578
14	3	7	177806	71	1106	958	451495	631578
15	1	17	625171	66	0	0	6341	631578
16	2	10	278384	83	1863	0	351165	631578
17	3	10	73742	100	1365	1078	555093	631578
18	1	7	24008	72	0	0	607498	631578
19	2	16	620226	53	1223	0	10023	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	8	205540	60	0	0	500282	705882
2	3	18	182781	79	1668	1145	520051	705882
3	3	19	169347	64	1163	1227	533953	705882
4	1	9	655369	52	0	0	50461	705882
5	1	18	349345	71	0	0	356466	705882
6	2	5	482799	99	1040	0	221845	705882
7	1	5	560820	74	0	0	144988	705882
8	1	12	89206	66	0	0	616610	705882
9	2	9	412159	82	1072	0	292487	705882
10	1	6	681929	96	0	0	23857	705882
11	2	16	676693	96	1007	0	27990	705882
12	2	5	459352	99	1625	0	244707	705882
13	2	15	401840	88	1746	0	302120	705882
14	3	5	341748	53	1719	1902	360354	705882
15	2	18	317005	96	1018	0	387667	705882
16	2	17	130241	52	1364	0	574173	705882
17	3	15	276266	69	1360	1029	427020	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	1	6	591125	92	0	0	208783	800000
2	2	6	795022	84	1295	0	3515	800000
3	3	12	116861	84	1439	1149	680299	800000
4	1	19	7992	74	0	0	791934	800000
5	3	13	224093	100	1147	1816	572644	800000
6	1	11	297442	73	0	0	502485	800000
7	3	12	597692	70	1228	1410	199460	800000
8	3	16	583827	94	1013	1140	213738	800000
9	3	14	711361	73	1301	1238	85881	800000
10	3	8	70233	90	1096	1452	726949	800000
11	2	16	125765	80	1515	0	672560	800000
12	2	8	5576	61	1642	0	792660	800000
13	1	8	132591	70	0	0	667339	800000
14	1	8	225661	74	0	0	574265	800000
15	3	17	44782	89	1088	1165	752698	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	11	452239	99	1417	0	296146	750000
2	1	18	288441	91	0	0	461468	750000
3	3	5	216608	95	1240	1630	530237	750000
4	3	5	135503	51	1678	1401	611265	750000
5	1	18	350987	57	0	0	398956	750000
6	2	12	233965	97	1665	0	514176	750000
7	1	16	700759	67	0	0	49174	750000
8	2	18	73537	74	1613	0	674702	750000
9	3	13	115600	59	1764	1293	631166	750000
10	2	13	678935	94	1348	0	69529	750000
11	3	13	279801	57	1547	1422	467059	750000
12	3	5	263449	78	944	1153	484220	750000
13	1	13	412575	53	0	0	337372	750000
14	1	6	602041	70	0	0	147889	750000
15	1	19	661371	67	0	0	88562	750000
16	1	10	594883	82	0	0	155035	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	3	10	400183	85	928	1770	302746	705882
2	1	6	321741	91	0	0	384050	705882
3	1	9	450810	83	0	0	254989	705882
4	1	18	311551	81	0	0	394250	705882
5	3	14	315954	93	1075	1387	387187	705882
6	2	11	453264	93	1123	0	251309	705882
7	2	5	614720	92	940	0	90038	705882
8	1	18	239519	66	0	0	466297	705882
9	1	10	520336	75	0	0	185471	705882
10	1	18	99546	98	0	0	606238	705882
11	3	18	138539	86	1180	1328	564577	705882
12	2	6	155611	98	1721	0	548354	705882
13	3	5	119179	69	1102	1874	583520	705882
14	3	8	406291	81	1549	1298	296501	705882
15	3	13	349273	88	1106	1160	354079	705882
16	3	13	34204	98	1485	1400	668499	705882
17	3	11	308088	68	1866	1575	394149	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	6	325600	62	1875	1904	1003768	1333333
2	1	14	647985	70	0	0	685278	1333333
3	1	13	565718	83	0	0	767532	1333333
4	1	13	1214094	55	0	0	119184	1333333
5	1	12	296381	67	0	0	1036885	1333333
6	3	10	637526	85	1792	1869	691891	1333333
7	2	17	1027567	90	1883	0	303703	1333333
8	2	10	1092525	80	1575	0	239073	1333333
9	2	19	399407	98	993	0	932737	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	1	20	576271	97	0	0	346708	923076
2	2	18	590347	63	959	0	331644	923076
3	1	13	337900	82	0	0	585094	923076
4	2	6	785193	80	1211	0	136512	923076
5	3	15	887987	89	1268	1795	31759	923076
6	3	12	49195	90	1599	1282	870730	923076
7	2	19	443387	68	1351	0	478202	923076
8	2	10	295084	95	1822	0	625980	923076
9	3	10	33535	89	1588	1826	885860	923076
10	3	8	59971	62	1387	1596	859936	923076
11	1	17	783030	76	0	0	139970	923076
12	1	17	711673	51	0	0	211352	923076
13	3	15	248980	59	1528	1609	670782	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	3	7	698578	97	1102	1866	48163	750000
2	2	19	155038	93	931	0	593845	750000
3	1	18	153245	90	0	0	596665	750000
4	2	11	69457	97	1264	0	679085	750000
5	2	15	650610	82	1288	0	97938	750000
6	2	13	99962	57	1688	0	648236	750000
7	3	15	230478	50	1349	972	517051	750000
8	1	16	97259	62	0	0	652679	750000
9	3	19	723903	84	1740	1752	22353	750000
10	1	14	535696	98	0	0	214206	750000
11	3	9	228858	59	1119	1181	518665	750000
12	1	10	322213	91	0	0	427696	750000
13	3	6	147945	100	1663	1179	598913	750000
14	2	17	318070	70	1826	0	429964	750000
15	3	8	567491	85	1243	1640	179371	750000
16	3	19	667335	77	1450	1119	79865	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	16	238149	78	1388	0	1260307	1500000
2	3	8	508232	50	1871	1216	988531	1500000
3	3	6	842985	78	1467	1560	653754	1500000
4	2	16	82087	57	1232	0	1416567	1500000
5	2	18	818626	53	1462	0	679806	1500000
6	2	11	889616	64	1839	0	608417	1500000
7	1	10	1087053	53	0	0	412894	1500000
8	2	8	1330411	97	985	0	168410	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	3	19	767049	72	1490	1084	430161	1200000
2	1	10	1096422	95	0	0	103483	1200000
3	1	16	421911	59	0	0	778030	1200000
4	1	14	772105	82	0	0	427813	1200000
5	1	20	588231	76	0	0	611693	1200000
6	2	15	914642	88	1404	0	283778	1200000
7	3	14	991270	57	1323	1010	206226	1200000
8	1	5	218672	65	0	0	981263	1200000
9	1	19	272365	68	0	0	927567	1200000
10	2	20	1111922	54	1494	0	86476	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	18	324476	83	0	0	675441	1000000
2	2	10	261059	96	1158	0	737591	1000000
3	1	19	664682	57	0	0	335261	1000000
4	3	17	975746	72	1642	1462	20934	1000000
5	2	5	445147	83	921	0	553766	1000000
6	1	9	290376	64	0	0	709560	1000000
7	2	10	731721	70	1128	0	267011	1000000
8	1	7	274356	88	0	0	725556	1000000
9	1	7	457484	90	0	0	542426	1000000
10	3	20	692218	52	983	1334	305309	1000000
11	1	15	381191	89	0	0	618720	1000000
12	2	14	954169	78	1604	0	44071	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	9	59760	100	1548	0	688492	750000
2	3	16	378343	94	1855	1075	368445	750000
3	1	12	311617	64	0	0	438319	750000
4	3	19	12593	92	1725	914	734492	750000
5	2	14	379791	98	1138	0	368875	750000
6	3	19	355595	50	1580	1104	391571	750000
7	3	18	379174	75	1227	1409	367965	750000
8	2	7	65238	57	1235	0	683413	750000
9	1	19	372956	59	0	0	376985	750000
10	1	16	558379	99	0	0	191522	750000
11	3	20	39902	94	1547	918	707351	750000
12	3	14	579404	70	1691	1782	166913	750000
13	1	5	236665	50	0	0	513285	750000
14	3	6	384674	81	1179	1235	362669	750000
15	3	16	301411	92	1231	1634	445448	750000
16	1	17	36458	50	0	0	713492	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	3	14	1004995	73	1781	1787	191218	1200000
2	1	6	966027	89	0	0	233884	1200000
3	2	13	243057	66	1703	0	955108	1200000
4	1	16	627306	80	0	0	572614	1200000
5	3	11	141574	72	1099	1121	1055990	1200000
6	3	10	673726	85	1226	999	523794	1200000
7	3	14	503604	90	1344	1455	693327	1200000
8	2	17	586920	97	1768	0	611118	1200000
9	1	9	607876	86	0	0	592038	1200000
10	1	13	296339	78	0	0	903583	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	8	535389	63	0	0	170430	705882
2	2	11	664961	65	1671	0	39120	705882
3	1	12	8729	96	0	0	697057	705882
4	1	13	669310	70	0	0	36502	705882
5	2	16	554714	83	1049	0	149953	705882
6	3	20	634749	100	1108	1361	68364	705882
7	2	7	44912	86	1720	0	659078	705882
8	2	16	569578	63	1544	0	134634	705882
9	3	5	446771	62	1664	1919	255342	705882
10	3	8	692122	51	1416	1836	10355	705882
11	1	18	360749	61	0	0	345072	705882
12	2	13	562248	76	1133	0	142349	705882
13	1	13	87581	92	0	0	618209	705882
14	1	6	279191	50	0	0	426641	705882
15	2	15	98167	99	1816	0	605701	705882
16	2	16	568203	70	1336	0	136203	705882
17	1	19	460	52	0	0	705370	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	1	12	548886	81	0	0	51033	600000
2	3	17	237263	78	1676	1119	359708	600000
3	1	11	293770	87	0	0	306143	600000
4	2	14	379789	87	1742	0	218295	600000
5	2	8	72754	74	996	0	526102	600000
6	3	17	253165	73	1121	1631	343864	600000
7	1	8	505784	94	0	0	94122	600000
8	2	17	104527	75	1026	0	494297	600000
9	3	8	76775	96	1390	1421	520126	600000
10	2	8	38327	50	1755	0	559818	600000
11	2	9	301959	60	1394	0	296527	600000
12	3	10	462144	78	975	1409	135238	600000
13	2	17	85546	52	1179	0	513171	600000
14	2	20	568915	78	1026	0	29903	600000
15	2	17	159186	83	1552	0	439096	600000
16	3	20	320560	78	1154	1374	276678	600000
17	2	20	342614	82	1870	0	255352	600000
18	3	15	28726	67	1875	1401	567797	600000
19	3	10	170717	53	1120	1660	426344	600000
20	3	11	68065	57	1193	1644	528927	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	2	18	56957	75	1163	0	541730	600000
2	1	18	20692	66	0	0	579242	600000
3	1	11	496862	58	0	0	103080	600000
4	1	15	136752	79	0	0	463169	600000
5	1	12	282308	58	0	0	317634	600000
6	3	9	159715	86	1007	918	438102	600000
7	1	5	171583	54	0	0	428363	600000
8	3	20	582146	76	1316	994	15316	600000
9	1	20	82406	80	0	0	517514	600000
10	1	18	113472	83	0	0	486445	600000
11	3	5	123539	95	1321	1368	473487	600000
12	3	15	465498	77	1413	1516	131342	600000
13	2	6	193828	57	1679	0	404379	600000
14	3	20	503341	50	1427	1835	93247	600000
15	3	16	133330	75	1052	1641	463752	600000
16	2	10	54339	62	1829	0	543708	600000
17	1	9	354746	56	0	0	245198	600000
18	2	10	534933	91	1060	0	63825	600000
19	2	9	571293	90	1345	0	27182	600000
20	2	18	380743	60	1428	0	217709	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	5	472030	94	1025	1822	156419	631578
2	1	10	182033	61	0	0	449484	631578
3	1	19	283148	64	0	0	348366	631578
4	3	12	129742	99	1634	1021	498884	631578
5	2	20	55093	66	1283	0	575070	631578
6	1	7	136400	64	0	0	495114	631578
7	1	17	427781	77	0	0	203720	631578
8	1	12	49575	69	0	0	581934	631578
9	1	18	461946	84	0	0	169548	631578
10	1	14	156921	92	0	0	474565	631578
11	2	20	333209	70	1069	0	297160	631578
12	3	10	243658	54	1376	1218	385164	631578
13	3	5	569131	85	1622	1389	59181	631578
14	1	17	309403	65	0	0	322110	631578
15	2	6	562441	94	1269	0	67680	631578
16	2	9	313279	52	1423	0	316772	631578
17	2	6	509513	69	1498	0	120429	631578
18	1	15	184123	51	0	0	447404	631578
19	2	8	623960	69	1668	0	5812	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	20	659367	55	1339	0	139184	800000
2	1	18	606787	77	0	0	193136	800000
3	3	19	314436	76	1700	1560	482076	800000
4	1	20	619716	55	0	0	180229	800000
5	3	14	146444	75	1390	1823	650118	800000
6	3	5	282455	66	1241	1034	515072	800000
7	1	17	404871	54	0	0	395075	800000
8	1	18	519303	54	0	0	280643	800000
9	2	13	517603	98	1244	0	280957	800000
10	1	9	41111	69	0	0	758820	800000
11	3	9	73111	71	1221	1892	723563	800000
12	1	15	57011	90	0	0	742899	800000
13	1	17	430791	98	0	0	369111	800000
14	2	14	668643	83	1294	0	129897	800000
15	3	7	243629	56	1879	1199	553125	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	8	807418	99	1718	1510	189057	1000000
2	2	6	824458	63	1818	0	173598	1000000
3	1	20	733610	59	0	0	266331	1000000
4	3	5	622062	79	1571	1617	374513	1000000
5	2	15	910001	100	983	0	88816	1000000
6	2	19	491562	64	1663	0	506647	1000000
7	1	14	139413	100	0	0	860487	1000000
8	1	18	462008	77	0	0	537915	1000000
9	2	12	659478	67	1365	0	339023	1000000
10	3	8	417449	75	1775	1169	579382	1000000
11	2	14	751308	96	1515	0	246985	1000000
12	2	14	696871	99	1635	0	301296	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	11	878611	67	1321	0	210843	1090909
2	1	18	689433	80	0	0	401396	1090909
3	1	13	272565	88	0	0	818256	1090909
4	2	20	928982	56	1281	0	160534	1090909
5	2	15	547879	86	949	0	541909	1090909
6	1	11	410580	79	0	0	680250	1090909
7	3	7	830929	80	1901	1014	256825	1090909
8	1	7	56609	50	0	0	1034250	1090909
9	1	11	656095	51	0	0	434763	1090909
10	1	9	914101	81	0	0	176727	1090909
11	2	9	618899	68	1560	0	470314	1090909

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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	20	634974	57	1531	1242	112082	750000
2	1	11	523653	91	0	0	226256	750000
3	3	12	591237	62	1123	1597	155857	750000
4	1	20	693042	67	0	0	56891	750000
5	1	7	84808	92	0	0	665100	750000
6	3	8	43238	71	1227	1142	704180	750000
7	1	5	381590	60	0	0	368350	750000
8	1	17	403379	98	0	0	346523	750000
9	3	17	545265	65	1395	1568	201577	750000
10	3	6	426635	88	980	1091	321030	750000
11	1	15	482990	96	0	0	266914	750000
12	2	5	675249	95	1776	0	72785	750000
13	3	20	430894	80	1519	1255	316092	750000
14	2	20	536321	61	1856	0	211701	750000
15	1	15	510787	79	0	0	239134	750000
16	1	8	316498	80	0	0	433422	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	3	7	899103	65	1053	1578	188980	1090909
2	1	11	1031308	78	0	0	59523	1090909
3	2	19	902578	97	1538	0	186599	1090909
4	3	18	307536	93	1204	1060	780830	1090909
5	2	7	609541	56	1407	0	479849	1090909
6	2	20	1044927	63	1464	0	44392	1090909
7	3	14	455892	79	1888	1493	631399	1090909
8	3	13	917629	98	1262	903	170821	1090909
9	1	17	110541	77	0	0	980291	1090909
10	3	20	976095	91	1164	1652	111725	1090909
11	1	11	190542	100	0	0	900267	1090909

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**Title:** Aruba Networks, Inc. APIN0204, APIN0205  
**To:** FCC CFR 47 Part 15 Subpart E 15.407  
**Serial #:** ARUB206-U5\_DFS Rev A  
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Type 5 #27 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	7	878433	54	1903	0	619556	1500000
2	3	16	1001207	100	1262	1213	496018	1500000
3	1	5	1356072	64	0	0	143864	1500000
4	3	9	924247	90	1590	999	572894	1500000
5	3	16	406649	73	1371	1912	1089849	1500000
6	1	9	908554	90	0	0	591356	1500000
7	2	11	1309623	70	1103	0	189134	1500000
8	1	11	1481310	70	0	0	18620	1500000

Type 5 #28 5565.60 [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	17	1059620	71	1211	1488	437468	1500000
2	1	6	713458	92	0	0	786450	1500000
3	3	6	935069	87	1326	1883	561461	1500000
4	2	14	1153991	76	1508	0	344349	1500000
5	3	16	1328809	52	1063	1808	168164	1500000
6	3	12	1035781	51	1338	1815	460913	1500000
7	1	9	1004596	89	0	0	495315	1500000
8	2	9	564848	95	953	0	934009	1500000

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**Title:** Aruba Networks, Inc. APIN0204, APIN0205  
**To:** FCC CFR 47 Part 15 Subpart E 15.407  
**Serial #:** ARUB206-U5\_DFS Rev A  
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Type 5 #29 5499.20 [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	18	152083	95	1217	1882	594533	750000
2	1	19	609540	92	0	0	140368	750000
3	2	20	60816	64	1298	0	687758	750000
4	1	18	272594	85	0	0	477321	750000
5	3	6	37898	82	1763	959	709134	750000
6	2	20	468983	85	991	0	279856	750000
7	1	11	161764	77	0	0	588159	750000
8	1	9	410775	91	0	0	339134	750000
9	3	17	39521	83	1539	1415	707276	750000
10	1	18	682830	88	0	0	67082	750000
11	2	7	512753	62	1394	0	235729	750000
12	2	16	582119	51	1000	0	166779	750000
13	1	13	220426	67	0	0	529507	750000
14	3	12	540909	63	1806	1829	205267	750000
15	1	18	113585	63	0	0	636352	750000
16	3	5	591490	86	938	1503	155811	750000

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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**

#01-5607	#02-5392	#03-5630	#04-5623	#05-5424	#06-5645	#07-5458	#08-5663	#09-5653	#10-5642
#11-5334	#12-5473	#13-5611	#14-5496	#15-5386	#16-5520	#17-5320	#18-5481	#19-5657	#20-5360
#21-5518	#22-5449	#23-5302	#24-5614	#25-5401	#26-5427	#27-5266	#28-5509	#29-5714	#30-5506
#31-5256	#32-5325	#33-5373	#34-5261	#35-5706	#36-5592	#37-5690	#38-5692	#39-5542	#40-5258
#41-5281	#42-5510	#43-5569	#44-5491	#45-5416	#46-5660	#47-5410	#48-5515	#49-5328	#50-5419
#51-5356	#52-5408	#53-5460	#54-5577	#55-5259	#56-5272	#57-5467	#58-5442	#59-5403	#60-5664
#61-5385	#62-5327	#63-5397	#64-5487	#65-5485	#66-5405	#67-5264	#68-5453	#69-5443	#70-5701
#71-5440	#72-5626	#73-5517	#74-5294	#75-5634	#76-5260	#77-5330	#78-5348	#79-5250	#80-5631
#81-5495	#82-5654	#83-5583	#84-5667	#85-5474	#86-5389	#87-5319	#88-5621	#89-5432	#90-5422
#91-5254	#92-5656	#93-5505	#94-5396	#95-5311	#96-5715	#97-5362	#98-5380	#99-5693	#100-5559

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

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

#01-5309	#02-5689	#03-5363	#04-5456	#05-5361	#06-5304	#07-5465	#08-5385	#09-5398	#10-5491
#11-5471	#12-5632	#13-5634	#14-5335	#15-5595	#16-5573	#17-5718	#18-5561	#19-5371	#20-5255
#21-5334	#22-5597	#23-5630	#24-5329	#25-5549	#26-5677	#27-5387	#28-5259	#29-5540	#30-5654
#31-5610	#32-5609	#33-5661	#34-5594	#35-5618	#36-5554	#37-5268	#38-5338	#39-5578	#40-5485
#41-5283	#42-5655	#43-5507	#44-5273	#45-5596	#46-5311	#47-5441	#48-5392	#49-5621	#50-5708
#51-5544	#52-5572	#53-5553	#54-5700	#55-5342	#56-5457	#57-5377	#58-5536	#59-5352	#60-5327
#61-5375	#62-5583	#63-5586	#64-5697	#65-5702	#66-5447	#67-5629	#68-5477	#69-5517	#70-5494
#71-5301	#72-5666	#73-5373	#74-5306	#75-5678	#76-5615	#77-5671	#78-5591	#79-5643	#80-5316
#81-5287	#82-5358	#83-5619	#84-5526	#85-5347	#86-5616	#87-5706	#88-5501	#89-5360	#90-5425
#91-5344	#92-5646	#93-5724	#94-5624	#95-5570	#96-5464	#97-5374	#98-5424	#99-5328	#100-5317

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

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

#01-5304	#02-5309	#03-5648	#04-5400	#05-5334	#06-5320	#07-5583	#08-5462	#09-5381	#10-5508
#11-5664	#12-5614	#13-5519	#14-5711	#15-5589	#16-5571	#17-5425	#18-5645	#19-5556	#20-5353
#21-5495	#22-5266	#23-5384	#24-5600	#25-5572	#26-5451	#27-5306	#28-5294	#29-5457	#30-5467
#31-5469	#32-5593	#33-5724	#34-5707	#35-5298	#36-5695	#37-5376	#38-5263	#39-5545	#40-5668
#41-5494	#42-5369	#43-5576	#44-5485	#45-5454	#46-5284	#47-5288	#48-5453	#49-5592	#50-5699
#51-5547	#52-5649	#53-5552	#54-5607	#55-5264	#56-5528	#57-5417	#58-5291	#59-5445	#60-5270
#61-5520	#62-5253	#63-5540	#64-5601	#65-5299	#66-5632	#67-5261	#68-5409	#69-5250	#70-5621
#71-5533	#72-5365	#73-5368	#74-5325	#75-5292	#76-5269	#77-5295	#78-5418	#79-5602	#80-5619
#81-5427	#82-5373	#83-5647	#84-5548	#85-5380	#86-5530	#87-5389	#88-5327	#89-5535	#90-5290
#91-5433	#92-5580	#93-5259	#94-5468	#95-5372	#96-5713	#97-5581	#98-5539	#99-5546	#100-5391

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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**

#01-5366	#02-5658	#03-5433	#04-5532	#05-5697	#06-5509	#07-5371	#08-5480	#09-5276	#10-5568
#11-5376	#12-5343	#13-5310	#14-5416	#15-5678	#16-5475	#17-5502	#18-5455	#19-5270	#20-5647
#21-5426	#22-5723	#23-5324	#24-5659	#25-5469	#26-5282	#27-5525	#28-5648	#29-5430	#30-5443
#31-5271	#32-5329	#33-5605	#34-5526	#35-5257	#36-5714	#37-5364	#38-5573	#39-5558	#40-5680
#41-5689	#42-5508	#43-5447	#44-5307	#45-5487	#46-5674	#47-5302	#48-5418	#49-5293	#50-5375
#51-5519	#52-5623	#53-5690	#54-5368	#55-5583	#56-5499	#57-5313	#58-5664	#59-5708	#60-5448
#61-5300	#62-5547	#63-5297	#64-5463	#65-5409	#66-5361	#67-5654	#68-5622	#69-5389	#70-5692
#71-5461	#72-5464	#73-5601	#74-5602	#75-5707	#76-5332	#77-5473	#78-5479	#79-5667	#80-5400
#81-5620	#82-5534	#83-5706	#84-5561	#85-5613	#86-5380	#87-5590	#88-5618	#89-5621	#90-5481
#91-5639	#92-5675	#93-5625	#94-5259	#95-5273	#96-5617	#97-5454	#98-5477	#99-5379	#100-5656

**Type 6 #5 [Back to Summary]**

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

#01-5478	#02-5629	#03-5706	#04-5621	#05-5330	#06-5581	#07-5484	#08-5694	#09-5357	#10-5407
#11-5651	#12-5487	#13-5482	#14-5671	#15-5521	#16-5558	#17-5495	#18-5394	#19-5253	#20-5492
#21-5460	#22-5547	#23-5514	#24-5701	#25-5592	#26-5683	#27-5641	#28-5275	#29-5540	#30-5285
#31-5393	#32-5405	#33-5299	#34-5332	#35-5709	#36-5398	#37-5693	#38-5429	#39-5287	#40-5387
#41-5512	#42-5532	#43-5517	#44-5699	#45-5497	#46-5516	#47-5470	#48-5345	#49-5620	#50-5605
#51-5473	#52-5611	#53-5446	#54-5656	#55-5364	#56-5255	#57-5279	#58-5372	#59-5665	#60-5628
#61-5669	#62-5541	#63-5507	#64-5432	#65-5588	#66-5537	#67-5410	#68-5527	#69-5690	#70-5691
#71-5355	#72-5672	#73-5264	#74-5721	#75-5251	#76-5344	#77-5417	#78-5420	#79-5485	#80-5380
#81-5659	#82-5315	#83-5644	#84-5518	#85-5578	#86-5401	#87-5594	#88-5664	#89-5306	#90-5346
#91-5483	#92-5568	#93-5715	#94-5395	#95-5441	#96-5415	#97-5334	#98-5606	#99-5533	#100-5459

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

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

#01-5328	#02-5254	#03-5507	#04-5505	#05-5498	#06-5641	#07-5367	#08-5659	#09-5680	#10-5494
#11-5392	#12-5539	#13-5606	#14-5306	#15-5588	#16-5538	#17-5578	#18-5437	#19-5667	#20-5267
#21-5633	#22-5595	#23-5597	#24-5354	#25-5273	#26-5576	#27-5534	#28-5654	#29-5333	#30-5677
#31-5645	#32-5581	#33-5311	#34-5387	#35-5262	#36-5330	#37-5484	#38-5476	#39-5389	#40-5351
#41-5341	#42-5279	#43-5359	#44-5339	#45-5601	#46-5480	#47-5419	#48-5590	#49-5442	#50-5465
#51-5346	#52-5637	#53-5393	#54-5617	#55-5516	#56-5444	#57-5440	#58-5618	#59-5275	#60-5719
#61-5451	#62-5526	#63-5441	#64-5602	#65-5583	#66-5531	#67-5268	#68-5325	#69-5639	#70-5487
#71-5681	#72-5303	#73-5577	#74-5370	#75-5336	#76-5452	#77-5365	#78-5690	#79-5474	#80-5353
#81-5662	#82-5591	#83-5685	#84-5669	#85-5724	#86-5479	#87-5621	#88-5625	#89-5385	#90-5334
#91-5344	#92-5377	#93-5707	#94-5466	#95-5399	#96-5564	#97-5378	#98-5317	#99-5703	#100-5278

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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									
#01-5488	#02-5676	#03-5269	#04-5560	#05-5354	#06-5416	#07-5634	#08-5279	#09-5701	#10-5422
#11-5561	#12-5335	#13-5480	#14-5658	#15-5583	#16-5302	#17-5372	#18-5604	#19-5665	#20-5555
#21-5392	#22-5553	#23-5702	#24-5595	#25-5628	#26-5661	#27-5612	#28-5483	#29-5400	#30-5581
#31-5700	#32-5594	#33-5613	#34-5656	#35-5431	#36-5298	#37-5460	#38-5311	#39-5521	#40-5693
#41-5424	#42-5314	#43-5401	#44-5396	#45-5381	#46-5644	#47-5631	#48-5273	#49-5487	#50-5495
#51-5498	#52-5377	#53-5398	#54-5611	#55-5659	#56-5698	#57-5399	#58-5417	#59-5529	#60-5603
#61-5369	#62-5446	#63-5691	#64-5447	#65-5549	#66-5476	#67-5535	#68-5567	#69-5333	#70-5696
#71-5380	#72-5327	#73-5402	#74-5324	#75-5448	#76-5497	#77-5267	#78-5705	#79-5638	#80-5452
#81-5466	#82-5465	#83-5295	#84-5310	#85-5379	#86-5414	#87-5436	#88-5281	#89-5429	#90-5344
#91-5405	#92-5462	#93-5645	#94-5434	#95-5533	#96-5506	#97-5624	#98-5675	#99-5409	#100-5548

Type 6 #8 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5665	#02-5690	#03-5283	#04-5719	#05-5475	#06-5707	#07-5503	#08-5703	#09-5461	#10-5506
#11-5657	#12-5704	#13-5532	#14-5356	#15-5616	#16-5370	#17-5617	#18-5268	#19-5563	#20-5647
#21-5549	#22-5723	#23-5718	#24-5626	#25-5287	#26-5310	#27-5447	#28-5487	#29-5715	#30-5424
#31-5359	#32-5695	#33-5679	#34-5590	#35-5333	#36-5470	#37-5722	#38-5437	#39-5676	#40-5566
#41-5426	#42-5251	#43-5388	#44-5501	#45-5435	#46-5598	#47-5635	#48-5641	#49-5386	#50-5256
#51-5570	#52-5477	#53-5667	#54-5696	#55-5381	#56-5681	#57-5414	#58-5509	#59-5266	#60-5713
#61-5286	#62-5396	#63-5686	#64-5274	#65-5666	#66-5272	#67-5372	#68-5430	#69-5314	#70-5612
#71-5331	#72-5373	#73-5721	#74-5579	#75-5374	#76-5576	#77-5536	#78-5418	#79-5427	#80-5451
#81-5591	#82-5391	#83-5498	#84-5481	#85-5514	#86-5416	#87-5438	#88-5689	#89-5717	#90-5540
#91-5410	#92-5656	#93-5613	#94-5495	#95-5263	#96-5551	#97-5592	#98-5682	#99-5600	#100-5670

Type 6 #9 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5367	#02-5256	#03-5354	#04-5702	#05-5698	#06-5420	#07-5383	#08-5593	#09-5694	#10-5562
#11-5548	#12-5324	#13-5605	#14-5622	#15-5506	#16-5674	#17-5524	#18-5446	#19-5660	#20-5281
#21-5587	#22-5559	#23-5415	#24-5505	#25-5648	#26-5325	#27-5566	#28-5591	#29-5416	#30-5305
#31-5716	#32-5381	#33-5584	#34-5376	#35-5537	#36-5443	#37-5378	#38-5304	#39-5346	#40-5272
#41-5703	#42-5581	#43-5257	#44-5598	#45-5481	#46-5602	#47-5317	#48-5486	#49-5614	#50-5665
#51-5638	#52-5504	#53-5422	#54-5664	#55-5299	#56-5345	#57-5542	#58-5251	#59-5384	#60-5395
#61-5492	#62-5333	#63-5409	#64-5490	#65-5647	#66-5712	#67-5253	#68-5564	#69-5553	#70-5641
#71-5451	#72-5334	#73-5714	#74-5655	#75-5300	#76-5532	#77-5411	#78-5436	#79-5340	#80-5393
#81-5282	#82-5344	#83-5613	#84-5557	#85-5498	#86-5572	#87-5357	#88-5330	#89-5483	#90-5485
#91-5309	#92-5565	#93-5361	#94-5523	#95-5618	#96-5457	#97-5262	#98-5616	#99-5464	#100-5326

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**Title:** Aruba Networks, Inc. APIN0204, APIN0205  
**To:** FCC CFR 47 Part 15 Subpart E 15.407  
**Serial #:** ARUB206-U5\_DFS Rev A  
**Issue Date:** 11<sup>th</sup> May 2016  
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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									
#01-5283	#02-5601	#03-5613	#04-5485	#05-5361	#06-5621	#07-5584	#08-5345	#09-5369	#10-5565
#11-5675	#12-5273	#13-5458	#14-5400	#15-5318	#16-5343	#17-5500	#18-5660	#19-5411	#20-5421
#21-5655	#22-5716	#23-5554	#24-5662	#25-5571	#26-5325	#27-5542	#28-5260	#29-5389	#30-5278
#31-5332	#32-5721	#33-5268	#34-5465	#35-5696	#36-5469	#37-5323	#38-5668	#39-5434	#40-5623
#41-5390	#42-5665	#43-5388	#44-5714	#45-5541	#46-5627	#47-5373	#48-5314	#49-5524	#50-5682
#51-5327	#52-5455	#53-5292	#54-5395	#55-5291	#56-5297	#57-5676	#58-5639	#59-5285	#60-5329
#61-5574	#62-5681	#63-5340	#64-5483	#65-5678	#66-5439	#67-5347	#68-5599	#69-5427	#70-5717
#71-5702	#72-5523	#73-5514	#74-5301	#75-5416	#76-5672	#77-5279	#78-5423	#79-5418	#80-5671
#81-5589	#82-5321	#83-5254	#84-5516	#85-5300	#86-5597	#87-5648	#88-5518	#89-5409	#90-5632
#91-5354	#92-5299	#93-5629	#94-5611	#95-5438	#96-5691	#97-5650	#98-5504	#99-5335	#100-5478

Type 6 #11 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5494	#02-5606	#03-5715	#04-5253	#05-5609	#06-5587	#07-5635	#08-5628	#09-5341	#10-5268
#11-5478	#12-5412	#13-5605	#14-5567	#15-5487	#16-5423	#17-5330	#18-5267	#19-5334	#20-5597
#21-5474	#22-5451	#23-5511	#24-5637	#25-5393	#26-5710	#27-5705	#28-5704	#29-5663	#30-5541
#31-5644	#32-5288	#33-5530	#34-5716	#35-5432	#36-5292	#37-5515	#38-5524	#39-5295	#40-5443
#41-5396	#42-5342	#43-5555	#44-5401	#45-5255	#46-5595	#47-5676	#48-5518	#49-5569	#50-5250
#51-5270	#52-5525	#53-5514	#54-5345	#55-5340	#56-5466	#57-5602	#58-5655	#59-5648	#60-5402
#61-5452	#62-5558	#63-5374	#64-5324	#65-5575	#66-5304	#67-5381	#68-5540	#69-5468	#70-5403
#71-5328	#72-5712	#73-5620	#74-5359	#75-5290	#76-5387	#77-5364	#78-5279	#79-5436	#80-5344
#81-5407	#82-5510	#83-5440	#84-5643	#85-5672	#86-5425	#87-5307	#88-5418	#89-5513	#90-5472
#91-5664	#92-5353	#93-5568	#94-5621	#95-5386	#96-5687	#97-5667	#98-5538	#99-5618	#100-5300

Type 6 #12 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5329	#02-5487	#03-5625	#04-5462	#05-5308	#06-5397	#07-5639	#08-5692	#09-5539	#10-5385
#11-5386	#12-5434	#13-5365	#14-5410	#15-5595	#16-5614	#17-5580	#18-5297	#19-5517	#20-5516
#21-5542	#22-5456	#23-5343	#24-5382	#25-5299	#26-5314	#27-5286	#28-5682	#29-5680	#30-5568
#31-5626	#32-5275	#33-5686	#34-5375	#35-5703	#36-5655	#37-5613	#38-5259	#39-5605	#40-5681
#41-5654	#42-5505	#43-5366	#44-5610	#45-5485	#46-5677	#47-5582	#48-5342	#49-5561	#50-5336
#51-5491	#52-5350	#53-5444	#54-5482	#55-5597	#56-5393	#57-5492	#58-5413	#59-5719	#60-5361
#61-5261	#62-5696	#63-5483	#64-5360	#65-5473	#66-5715	#67-5432	#68-5664	#69-5251	#70-5571
#71-5416	#72-5587	#73-5287	#74-5340	#75-5458	#76-5622	#77-5346	#78-5400	#79-5428	#80-5590
#81-5368	#82-5481	#83-5649	#84-5617	#85-5356	#86-5511	#87-5370	#88-5570	#89-5611	#90-5569
#91-5697	#92-5493	#93-5394	#94-5376	#95-5374	#96-5454	#97-5402	#98-5560	#99-5489	#100-5324

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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									
#01-5514	#02-5582	#03-5445	#04-5506	#05-5660	#06-5595	#07-5316	#08-5569	#09-5657	#10-5341
#11-5618	#12-5464	#13-5347	#14-5436	#15-5706	#16-5325	#17-5402	#18-5606	#19-5250	#20-5529
#21-5716	#22-5614	#23-5518	#24-5671	#25-5332	#26-5497	#27-5617	#28-5475	#29-5277	#30-5437
#31-5533	#32-5311	#33-5385	#34-5633	#35-5422	#36-5574	#37-5576	#38-5500	#39-5504	#40-5292
#41-5637	#42-5605	#43-5600	#44-5654	#45-5279	#46-5663	#47-5472	#48-5551	#49-5324	#50-5678
#51-5489	#52-5519	#53-5523	#54-5692	#55-5652	#56-5560	#57-5578	#58-5424	#59-5343	#60-5630
#61-5629	#62-5334	#63-5473	#64-5286	#65-5301	#66-5322	#67-5650	#68-5476	#69-5550	#70-5356
#71-5471	#72-5487	#73-5329	#74-5259	#75-5642	#76-5266	#77-5302	#78-5558	#79-5394	#80-5648
#81-5677	#82-5579	#83-5477	#84-5516	#85-5586	#86-5666	#87-5494	#88-5263	#89-5723	#90-5673
#91-5256	#92-5701	#93-5431	#94-5718	#95-5612	#96-5400	#97-5626	#98-5573	#99-5572	#100-5268

Type 6 #14 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5281	#02-5443	#03-5683	#04-5259	#05-5544	#06-5525	#07-5513	#08-5280	#09-5419	#10-5677
#11-5441	#12-5479	#13-5720	#14-5495	#15-5439	#16-5381	#17-5405	#18-5462	#19-5552	#20-5678
#21-5391	#22-5539	#23-5322	#24-5283	#25-5376	#26-5559	#27-5309	#28-5671	#29-5718	#30-5272
#31-5354	#32-5262	#33-5257	#34-5459	#35-5484	#36-5393	#37-5707	#38-5485	#39-5444	#40-5448
#41-5613	#42-5299	#43-5503	#44-5304	#45-5509	#46-5286	#47-5436	#48-5473	#49-5423	#50-5268
#51-5470	#52-5361	#53-5597	#54-5618	#55-5601	#56-5467	#57-5371	#58-5650	#59-5608	#60-5709
#61-5465	#62-5567	#63-5397	#64-5573	#65-5428	#66-5472	#67-5511	#68-5260	#69-5295	#70-5398
#71-5645	#72-5267	#73-5353	#74-5315	#75-5342	#76-5285	#77-5498	#78-5339	#79-5373	#80-5561
#81-5497	#82-5700	#83-5526	#84-5717	#85-5390	#86-5363	#87-5583	#88-5266	#89-5307	#90-5263
#91-5356	#92-5456	#93-5330	#94-5377	#95-5594	#96-5550	#97-5343	#98-5493	#99-5553	#100-5431

Type 6 #15 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5352	#02-5401	#03-5519	#04-5586	#05-5629	#06-5319	#07-5310	#08-5595	#09-5580	#10-5288
#11-5358	#12-5652	#13-5718	#14-5273	#15-5341	#16-5294	#17-5532	#18-5371	#19-5269	#20-5329
#21-5654	#22-5537	#23-5418	#24-5524	#25-5448	#26-5349	#27-5369	#28-5355	#29-5701	#30-5624
#31-5622	#32-5534	#33-5323	#34-5560	#35-5644	#36-5631	#37-5331	#38-5598	#39-5328	#40-5700
#41-5677	#42-5485	#43-5600	#44-5291	#45-5430	#46-5722	#47-5468	#48-5353	#49-5503	#50-5505
#51-5536	#52-5372	#53-5502	#54-5540	#55-5707	#56-5719	#57-5388	#58-5530	#59-5675	#60-5680
#61-5618	#62-5681	#63-5391	#64-5548	#65-5579	#66-5408	#67-5354	#68-5434	#69-5687	#70-5659
#71-5293	#72-5376	#73-5661	#74-5343	#75-5450	#76-5605	#77-5266	#78-5577	#79-5445	#80-5338
#81-5500	#82-5250	#83-5307	#84-5649	#85-5337	#86-5459	#87-5522	#88-5275	#89-5592	#90-5625
#91-5607	#92-5393	#93-5309	#94-5724	#95-5318	#96-5543	#97-5601	#98-5491	#99-5303	#100-5333

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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									
#01-5604	#02-5580	#03-5626	#04-5662	#05-5649	#06-5658	#07-5352	#08-5423	#09-5593	#10-5615
#11-5548	#12-5685	#13-5350	#14-5251	#15-5510	#16-5599	#17-5449	#18-5495	#19-5267	#20-5379
#21-5551	#22-5475	#23-5461	#24-5307	#25-5545	#26-5266	#27-5508	#28-5627	#29-5421	#30-5484
#31-5565	#32-5699	#33-5474	#34-5318	#35-5436	#36-5522	#37-5597	#38-5341	#39-5619	#40-5418
#41-5301	#42-5259	#43-5308	#44-5432	#45-5684	#46-5722	#47-5532	#48-5668	#49-5402	#50-5558
#51-5473	#52-5648	#53-5507	#54-5587	#55-5354	#56-5414	#57-5641	#58-5569	#59-5521	#60-5381
#61-5444	#62-5314	#63-5370	#64-5376	#65-5502	#66-5442	#67-5413	#68-5652	#69-5623	#70-5650
#71-5485	#72-5382	#73-5690	#74-5465	#75-5600	#76-5586	#77-5269	#78-5700	#79-5683	#80-5309
#81-5588	#82-5260	#83-5441	#84-5612	#85-5688	#86-5271	#87-5642	#88-5493	#89-5425	#90-5300
#91-5622	#92-5644	#93-5540	#94-5719	#95-5312	#96-5557	#97-5470	#98-5340	#99-5504	#100-5659

Type 6 #17 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5548	#02-5412	#03-5374	#04-5621	#05-5614	#06-5261	#07-5254	#08-5493	#09-5622	#10-5593
#11-5562	#12-5322	#13-5581	#14-5303	#15-5453	#16-5659	#17-5478	#18-5391	#19-5259	#20-5379
#21-5475	#22-5435	#23-5484	#24-5296	#25-5650	#26-5408	#27-5537	#28-5278	#29-5523	#30-5610
#31-5428	#32-5558	#33-5653	#34-5436	#35-5317	#36-5716	#37-5324	#38-5260	#39-5637	#40-5724
#41-5527	#42-5431	#43-5310	#44-5571	#45-5684	#46-5665	#47-5583	#48-5580	#49-5586	#50-5363
#51-5465	#52-5529	#53-5323	#54-5702	#55-5574	#56-5688	#57-5578	#58-5441	#59-5464	#60-5349
#61-5707	#62-5384	#63-5488	#64-5652	#65-5591	#66-5699	#67-5592	#68-5623	#69-5404	#70-5381
#71-5346	#72-5380	#73-5673	#74-5253	#75-5424	#76-5450	#77-5691	#78-5467	#79-5679	#80-5667
#81-5273	#82-5315	#83-5343	#84-5373	#85-5501	#86-5427	#87-5360	#88-5407	#89-5446	#90-5510
#91-5448	#92-5332	#93-5281	#94-5608	#95-5279	#96-5682	#97-5432	#98-5706	#99-5368	#100-5399

Type 6 #18 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5375	#02-5698	#03-5440	#04-5374	#05-5721	#06-5360	#07-5487	#08-5333	#09-5406	#10-5684
#11-5319	#12-5395	#13-5529	#14-5478	#15-5448	#16-5415	#17-5482	#18-5293	#19-5699	#20-5625
#21-5594	#22-5495	#23-5498	#24-5367	#25-5660	#26-5393	#27-5320	#28-5351	#29-5710	#30-5566
#31-5713	#32-5527	#33-5711	#34-5267	#35-5363	#36-5296	#37-5683	#38-5427	#39-5271	#40-5489
#41-5581	#42-5662	#43-5476	#44-5570	#45-5410	#46-5588	#47-5449	#48-5388	#49-5257	#50-5467
#51-5604	#52-5419	#53-5666	#54-5311	#55-5691	#56-5417	#57-5706	#58-5421	#59-5420	#60-5555
#61-5646	#62-5429	#63-5465	#64-5654	#65-5652	#66-5667	#67-5473	#68-5290	#69-5641	#70-5433
#71-5548	#72-5634	#73-5488	#74-5510	#75-5326	#76-5481	#77-5418	#78-5358	#79-5357	#80-5294
#81-5259	#82-5302	#83-5330	#84-5515	#85-5446	#86-5574	#87-5371	#88-5596	#89-5491	#90-5331
#91-5409	#92-5709	#93-5458	#94-5329	#95-5525	#96-5362	#97-5380	#98-5379	#99-5274	#100-5552

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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									
#01-5603	#02-5393	#03-5507	#04-5468	#05-5635	#06-5665	#07-5634	#08-5663	#09-5386	#10-5380
#11-5538	#12-5384	#13-5455	#14-5602	#15-5572	#16-5401	#17-5696	#18-5624	#19-5643	#20-5295
#21-5511	#22-5467	#23-5395	#24-5328	#25-5526	#26-5693	#27-5721	#28-5681	#29-5306	#30-5702
#31-5703	#32-5269	#33-5432	#34-5423	#35-5662	#36-5257	#37-5664	#38-5431	#39-5687	#40-5553
#41-5509	#42-5675	#43-5275	#44-5504	#45-5581	#46-5482	#47-5373	#48-5390	#49-5481	#50-5460
#51-5704	#52-5614	#53-5341	#54-5650	#55-5361	#56-5389	#57-5359	#58-5637	#59-5707	#60-5330
#61-5402	#62-5560	#63-5364	#64-5272	#65-5428	#66-5718	#67-5684	#68-5462	#69-5333	#70-5251
#71-5517	#72-5445	#73-5303	#74-5271	#75-5362	#76-5489	#77-5557	#78-5640	#79-5470	#80-5492
#81-5290	#82-5543	#83-5331	#84-5261	#85-5621	#86-5563	#87-5554	#88-5459	#89-5299	#90-5570
#91-5429	#92-5522	#93-5365	#94-5571	#95-5397	#96-5723	#97-5339	#98-5383	#99-5336	#100-5337

Type 6 #20 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5583	#02-5398	#03-5399	#04-5414	#05-5657	#06-5317	#07-5324	#08-5454	#09-5347	#10-5624
#11-5497	#12-5405	#13-5379	#14-5252	#15-5283	#16-5514	#17-5547	#18-5719	#19-5330	#20-5392
#21-5515	#22-5685	#23-5642	#24-5578	#25-5493	#26-5673	#27-5494	#28-5394	#29-5288	#30-5717
#31-5602	#32-5705	#33-5476	#34-5467	#35-5601	#36-5626	#37-5421	#38-5265	#39-5590	#40-5297
#41-5561	#42-5276	#43-5305	#44-5672	#45-5457	#46-5716	#47-5721	#48-5587	#49-5715	#50-5517
#51-5388	#52-5560	#53-5668	#54-5623	#55-5480	#56-5546	#57-5645	#58-5708	#59-5548	#60-5654
#61-5415	#62-5354	#63-5271	#64-5653	#65-5637	#66-5376	#67-5382	#68-5342	#69-5532	#70-5282
#71-5556	#72-5488	#73-5629	#74-5694	#75-5370	#76-5502	#77-5531	#78-5298	#79-5449	#80-5463
#81-5533	#82-5644	#83-5702	#84-5395	#85-5599	#86-5344	#87-5606	#88-5474	#89-5631	#90-5585
#91-5675	#92-5651	#93-5664	#94-5312	#95-5479	#96-5595	#97-5622	#98-5710	#99-5259	#100-5527

Type 6 #21 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5362	#02-5308	#03-5719	#04-5511	#05-5425	#06-5393	#07-5426	#08-5300	#09-5372	#10-5367
#11-5630	#12-5532	#13-5370	#14-5718	#15-5398	#16-5711	#17-5468	#18-5438	#19-5497	#20-5533
#21-5649	#22-5628	#23-5678	#24-5292	#25-5431	#26-5439	#27-5301	#28-5627	#29-5327	#30-5401
#31-5464	#32-5454	#33-5592	#34-5420	#35-5586	#36-5708	#37-5608	#38-5424	#39-5675	#40-5430
#41-5509	#42-5295	#43-5368	#44-5542	#45-5666	#46-5486	#47-5446	#48-5467	#49-5404	#50-5522
#51-5437	#52-5405	#53-5290	#54-5679	#55-5375	#56-5690	#57-5415	#58-5328	#59-5505	#60-5674
#61-5381	#62-5353	#63-5293	#64-5487	#65-5317	#66-5359	#67-5390	#68-5409	#69-5633	#70-5613
#71-5539	#72-5584	#73-5722	#74-5667	#75-5692	#76-5598	#77-5720	#78-5304	#79-5276	#80-5502
#81-5605	#82-5287	#83-5717	#84-5354	#85-5280	#86-5364	#87-5360	#88-5284	#89-5419	#90-5610
#91-5297	#92-5544	#93-5355	#94-5560	#95-5435	#96-5693	#97-5472	#98-5631	#99-5691	#100-5676

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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									
#01-5472	#02-5687	#03-5588	#04-5492	#05-5262	#06-5332	#07-5651	#08-5631	#09-5278	#10-5608
#11-5576	#12-5505	#13-5435	#14-5399	#15-5469	#16-5611	#17-5633	#18-5523	#19-5712	#20-5660
#21-5434	#22-5535	#23-5570	#24-5324	#25-5538	#26-5308	#27-5534	#28-5382	#29-5655	#30-5380
#31-5275	#32-5403	#33-5532	#34-5401	#35-5496	#36-5517	#37-5406	#38-5527	#39-5371	#40-5338
#41-5353	#42-5661	#43-5503	#44-5375	#45-5542	#46-5690	#47-5331	#48-5564	#49-5561	#50-5644
#51-5280	#52-5491	#53-5662	#54-5367	#55-5514	#56-5678	#57-5518	#58-5274	#59-5622	#60-5347
#61-5621	#62-5446	#63-5479	#64-5281	#65-5591	#66-5318	#67-5364	#68-5366	#69-5345	#70-5432
#71-5634	#72-5545	#73-5344	#74-5312	#75-5452	#76-5343	#77-5461	#78-5719	#79-5637	#80-5595
#81-5284	#82-5707	#83-5563	#84-5612	#85-5502	#86-5474	#87-5716	#88-5457	#89-5307	#90-5422
#91-5675	#92-5691	#93-5448	#94-5444	#95-5458	#96-5467	#97-5395	#98-5693	#99-5316	#100-5424

Type 6 #23 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5508	#02-5559	#03-5619	#04-5328	#05-5584	#06-5710	#07-5484	#08-5369	#09-5721	#10-5283
#11-5382	#12-5527	#13-5479	#14-5657	#15-5314	#16-5354	#17-5699	#18-5651	#19-5488	#20-5439
#21-5250	#22-5540	#23-5414	#24-5486	#25-5343	#26-5624	#27-5252	#28-5502	#29-5491	#30-5366
#31-5551	#32-5264	#33-5497	#34-5438	#35-5719	#36-5639	#37-5346	#38-5378	#39-5372	#40-5321
#41-5663	#42-5698	#43-5679	#44-5588	#45-5645	#46-5689	#47-5525	#48-5402	#49-5291	#50-5505
#51-5531	#52-5454	#53-5602	#54-5423	#55-5692	#56-5394	#57-5383	#58-5709	#59-5685	#60-5707
#61-5706	#62-5604	#63-5457	#64-5367	#65-5280	#66-5290	#67-5662	#68-5400	#69-5257	#70-5570
#71-5529	#72-5417	#73-5501	#74-5276	#75-5586	#76-5660	#77-5452	#78-5350	#79-5450	#80-5269
#81-5535	#82-5265	#83-5277	#84-5494	#85-5687	#86-5412	#87-5339	#88-5681	#89-5345	#90-5324
#91-5381	#92-5441	#93-5615	#94-5648	#95-5587	#96-5251	#97-5659	#98-5287	#99-5351	#100-5396

Type 6 #24 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5356	#02-5568	#03-5457	#04-5536	#05-5275	#06-5505	#07-5606	#08-5402	#09-5268	#10-5437
#11-5557	#12-5385	#13-5635	#14-5631	#15-5295	#16-5426	#17-5366	#18-5328	#19-5544	#20-5655
#21-5511	#22-5420	#23-5459	#24-5532	#25-5261	#26-5589	#27-5348	#28-5417	#29-5651	#30-5267
#31-5498	#32-5518	#33-5594	#34-5645	#35-5650	#36-5480	#37-5582	#38-5387	#39-5558	#40-5325
#41-5668	#42-5305	#43-5609	#44-5479	#45-5623	#46-5676	#47-5345	#48-5712	#49-5482	#50-5610
#51-5683	#52-5531	#53-5465	#54-5569	#55-5398	#56-5722	#57-5253	#58-5263	#59-5640	#60-5507
#61-5710	#62-5342	#63-5419	#64-5308	#65-5591	#66-5405	#67-5714	#68-5705	#69-5539	#70-5704
#71-5494	#72-5469	#73-5456	#74-5476	#75-5575	#76-5303	#77-5363	#78-5637	#79-5429	#80-5418
#81-5382	#82-5379	#83-5326	#84-5501	#85-5578	#86-5373	#87-5643	#88-5543	#89-5682	#90-5688
#91-5550	#92-5612	#93-5467	#94-5687	#95-5364	#96-5422	#97-5638	#98-5439	#99-5311	#100-5477

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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									
#01-5363	#02-5646	#03-5397	#04-5675	#05-5624	#06-5252	#07-5503	#08-5531	#09-5648	#10-5287
#11-5494	#12-5604	#13-5276	#14-5638	#15-5454	#16-5306	#17-5714	#18-5580	#19-5575	#20-5651
#21-5279	#22-5492	#23-5703	#24-5274	#25-5415	#26-5621	#27-5614	#28-5256	#29-5505	#30-5476
#31-5349	#32-5650	#33-5626	#34-5687	#35-5579	#36-5335	#37-5628	#38-5474	#39-5641	#40-5289
#41-5401	#42-5290	#43-5460	#44-5258	#45-5441	#46-5298	#47-5635	#48-5366	#49-5649	#50-5300
#51-5589	#52-5385	#53-5447	#54-5595	#55-5668	#56-5372	#57-5510	#58-5253	#59-5301	#60-5524
#61-5393	#62-5536	#63-5394	#64-5678	#65-5374	#66-5599	#67-5696	#68-5336	#69-5355	#70-5659
#71-5612	#72-5602	#73-5452	#74-5693	#75-5406	#76-5430	#77-5627	#78-5615	#79-5425	#80-5485
#81-5514	#82-5428	#83-5341	#84-5636	#85-5367	#86-5471	#87-5399	#88-5304	#89-5316	#90-5347
#91-5286	#92-5562	#93-5669	#94-5654	#95-5498	#96-5570	#97-5404	#98-5353	#99-5547	#100-5634

Type 6 #26 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5537	#02-5360	#03-5634	#04-5413	#05-5670	#06-5583	#07-5687	#08-5258	#09-5693	#10-5609
#11-5319	#12-5462	#13-5250	#14-5555	#15-5568	#16-5306	#17-5351	#18-5363	#19-5529	#20-5667
#21-5470	#22-5268	#23-5481	#24-5266	#25-5673	#26-5460	#27-5533	#28-5264	#29-5648	#30-5440
#31-5488	#32-5692	#33-5334	#34-5538	#35-5252	#36-5615	#37-5371	#38-5489	#39-5323	#40-5386
#41-5594	#42-5309	#43-5584	#44-5285	#45-5569	#46-5562	#47-5581	#48-5347	#49-5251	#50-5434
#51-5595	#52-5519	#53-5604	#54-5328	#55-5397	#56-5336	#57-5635	#58-5477	#59-5450	#60-5679
#61-5686	#62-5699	#63-5282	#64-5471	#65-5280	#66-5304	#67-5716	#68-5290	#69-5593	#70-5399
#71-5421	#72-5695	#73-5705	#74-5603	#75-5435	#76-5262	#77-5463	#78-5540	#79-5658	#80-5468
#81-5284	#82-5578	#83-5571	#84-5661	#85-5639	#86-5348	#87-5311	#88-5536	#89-5341	#90-5551
#91-5292	#92-5515	#93-5442	#94-5349	#95-5329	#96-5370	#97-5433	#98-5357	#99-5416	#100-5321

Type 6 #27 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5524	#02-5598	#03-5264	#04-5667	#05-5472	#06-5284	#07-5429	#08-5478	#09-5655	#10-5347
#11-5381	#12-5717	#13-5682	#14-5436	#15-5272	#16-5398	#17-5484	#18-5322	#19-5715	#20-5644
#21-5453	#22-5269	#23-5302	#24-5393	#25-5471	#26-5271	#27-5419	#28-5449	#29-5420	#30-5475
#31-5540	#32-5301	#33-5688	#34-5304	#35-5697	#36-5646	#37-5601	#38-5670	#39-5607	#40-5307
#41-5410	#42-5454	#43-5636	#44-5523	#45-5485	#46-5368	#47-5327	#48-5656	#49-5610	#50-5361
#51-5366	#52-5497	#53-5593	#54-5504	#55-5546	#56-5596	#57-5446	#58-5450	#59-5259	#60-5278
#61-5565	#62-5665	#63-5718	#64-5382	#65-5299	#66-5476	#67-5512	#68-5445	#69-5295	#70-5286
#71-5395	#72-5584	#73-5573	#74-5481	#75-5672	#76-5510	#77-5621	#78-5342	#79-5518	#80-5534
#81-5363	#82-5424	#83-5529	#84-5344	#85-5401	#86-5300	#87-5501	#88-5400	#89-5650	#90-5597
#91-5649	#92-5582	#93-5320	#94-5491	#95-5711	#96-5277	#97-5430	#98-5348	#99-5640	#100-5321

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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									
#01-5460	#02-5448	#03-5645	#04-5698	#05-5364	#06-5498	#07-5665	#08-5373	#09-5641	#10-5485
#11-5676	#12-5483	#13-5391	#14-5386	#15-5624	#16-5582	#17-5622	#18-5425	#19-5260	#20-5294
#21-5369	#22-5413	#23-5366	#24-5659	#25-5715	#26-5410	#27-5339	#28-5268	#29-5634	#30-5314
#31-5338	#32-5435	#33-5353	#34-5318	#35-5620	#36-5603	#37-5428	#38-5661	#39-5252	#40-5527
#41-5680	#42-5518	#43-5349	#44-5654	#45-5446	#46-5592	#47-5379	#48-5380	#49-5254	#50-5337
#51-5596	#52-5296	#53-5331	#54-5711	#55-5707	#56-5678	#57-5408	#58-5646	#59-5463	#60-5576
#61-5397	#62-5490	#63-5284	#64-5288	#65-5253	#66-5703	#67-5443	#68-5489	#69-5258	#70-5559
#71-5567	#72-5458	#73-5573	#74-5685	#75-5616	#76-5481	#77-5618	#78-5401	#79-5505	#80-5333
#81-5347	#82-5577	#83-5271	#84-5539	#85-5617	#86-5569	#87-5538	#88-5313	#89-5370	#90-5457
#91-5377	#92-5588	#93-5400	#94-5329	#95-5286	#96-5358	#97-5563	#98-5275	#99-5340	#100-5447

Type 6 #29 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5515	#02-5495	#03-5683	#04-5642	#05-5313	#06-5393	#07-5432	#08-5611	#09-5297	#10-5439
#11-5336	#12-5722	#13-5507	#14-5414	#15-5270	#16-5504	#17-5354	#18-5452	#19-5478	#20-5552
#21-5589	#22-5490	#23-5538	#24-5723	#25-5568	#26-5267	#27-5540	#28-5292	#29-5305	#30-5591
#31-5355	#32-5509	#33-5303	#34-5293	#35-5436	#36-5306	#37-5314	#38-5606	#39-5255	#40-5330
#41-5398	#42-5663	#43-5707	#44-5640	#45-5265	#46-5579	#47-5459	#48-5281	#49-5522	#50-5513
#51-5583	#52-5274	#53-5682	#54-5578	#55-5643	#56-5470	#57-5375	#58-5617	#59-5590	#60-5384
#61-5469	#62-5360	#63-5702	#64-5399	#65-5395	#66-5670	#67-5584	#68-5410	#69-5389	#70-5289
#71-5310	#72-5586	#73-5351	#74-5524	#75-5438	#76-5697	#77-5319	#78-5567	#79-5651	#80-5278
#81-5335	#82-5500	#83-5517	#84-5561	#85-5714	#86-5411	#87-5464	#88-5264	#89-5570	#90-5296
#91-5710	#92-5530	#93-5287	#94-5429	#95-5542	#96-5610	#97-5358	#98-5724	#99-5539	#100-5609

Type 6 #30 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5274	#02-5342	#03-5379	#04-5618	#05-5359	#06-5400	#07-5300	#08-5320	#09-5331	#10-5616
#11-5624	#12-5374	#13-5558	#14-5475	#15-5681	#16-5422	#17-5670	#18-5444	#19-5263	#20-5600
#21-5545	#22-5487	#23-5259	#24-5404	#25-5388	#26-5685	#27-5724	#28-5652	#29-5414	#30-5518
#31-5686	#32-5659	#33-5677	#34-5639	#35-5622	#36-5282	#37-5571	#38-5629	#39-5419	#40-5721
#41-5449	#42-5395	#43-5529	#44-5418	#45-5301	#46-5607	#47-5611	#48-5551	#49-5643	#50-5344
#51-5570	#52-5258	#53-5453	#54-5580	#55-5369	#56-5463	#57-5696	#58-5439	#59-5393	#60-5641
#61-5348	#62-5662	#63-5440	#64-5605	#65-5561	#66-5309	#67-5390	#68-5349	#69-5470	#70-5267
#71-5346	#72-5341	#73-5454	#74-5711	#75-5337	#76-5327	#77-5362	#78-5350	#79-5496	#80-5592
#81-5338	#82-5669	#83-5436	#84-5292	#85-5637	#86-5357	#87-5658	#88-5705	#89-5532	#90-5296
#91-5702	#92-5421	#93-5552	#94-5411	#95-5544	#96-5673	#97-5319	#98-5297	#99-5356	#100-5488

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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	18	977642	100	0	0	22258	1000000
2	3	12	828798	50	1778	1219	168055	1000000
3	2	6	238062	57	1599	0	760225	1000000
4	2	6	623181	65	1815	0	374874	1000000
5	3	13	730654	86	1543	1752	265793	1000000
6	2	10	168972	77	1713	0	829161	1000000
7	3	5	811171	57	1299	1753	185606	1000000
8	3	15	550333	76	1397	1247	446795	1000000
9	3	17	639692	74	968	1582	357536	1000000
10	1	5	164910	55	0	0	835035	1000000
11	3	14	140080	75	1402	1109	857184	1000000
12	1	19	503664	77	0	0	496259	1000000

Type 5 #1 5496.20 [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	20	256853	89	976	0	599135	857142
2	2	13	186236	92	1515	0	669207	857142
3	1	7	517456	78	0	0	339608	857142
4	1	16	707145	54	0	0	149943	857142
5	3	15	369103	57	1062	1529	485277	857142
6	2	10	559862	89	1541	0	295561	857142
7	1	13	702350	56	0	0	154736	857142
8	1	16	657112	62	0	0	199968	857142
9	3	8	377842	68	1286	1526	476284	857142
10	3	20	28105	79	1325	1795	825680	857142
11	1	16	15007	75	0	0	842060	857142
12	2	13	474238	90	1097	0	381627	857142
13	2	6	734485	76	1126	0	121379	857142
14	1	14	626554	54	0	0	230534	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	2	10	624755	72	1643	0	706791	1333333
2	3	6	1144561	89	1588	1550	185367	1333333
3	2	12	796998	69	1528	0	534669	1333333
4	3	13	942947	71	1382	1203	387588	1333333
5	2	12	155045	60	1780	0	1176388	1333333
6	1	7	1149427	87	0	0	183819	1333333
7	3	9	981929	61	1460	1525	348236	1333333
8	3	10	1150911	62	1521	1646	179069	1333333
9	2	19	849142	85	1050	0	482971	1333333

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	1	15	48550	72	0	0	751378	800000
2	1	15	744565	91	0	0	55344	800000
3	1	15	457623	63	0	0	342314	800000
4	2	13	707607	68	1709	0	90548	800000
5	2	20	687322	53	958	0	111614	800000
6	1	8	696742	59	0	0	103199	800000
7	2	20	413184	93	1426	0	385204	800000
8	3	13	163400	74	1402	1636	633340	800000
9	3	12	504099	97	1781	1558	292271	800000
10	2	17	282827	80	1872	0	515141	800000
11	2	17	49817	89	1470	0	748535	800000
12	3	11	679923	80	1321	1384	117132	800000
13	2	17	467698	63	1900	0	330276	800000
14	3	6	642324	97	987	1781	154617	800000
15	2	11	48318	99	1489	0	749995	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	1	14	450702	77	0	0	549221	1000000
2	3	12	955345	60	1136	1652	41687	1000000
3	2	20	308821	89	987	0	690014	1000000
4	3	13	690315	53	1177	1023	307326	1000000
5	1	15	663791	89	0	0	336120	1000000
6	3	13	124457	74	1125	1760	872436	1000000
7	2	8	867693	82	1090	0	131053	1000000
8	3	12	764785	70	973	1236	232796	1000000
9	3	9	799194	90	1224	1041	198271	1000000
10	2	19	357079	92	1810	0	640927	1000000
11	3	7	783936	83	1678	1823	212314	1000000
12	1	20	996419	87	0	0	3494	1000000

Type 5 #5 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	7	276527	58	1657	1847	351373	631578
2	3	5	581591	83	1104	1688	46946	631578
3	1	11	221110	100	0	0	410368	631578
4	3	5	140498	84	1285	1837	487706	631578
5	1	14	626240	83	0	0	5255	631578
6	1	14	274206	99	0	0	357273	631578
7	1	17	628685	68	0	0	2825	631578
8	3	7	35436	55	1362	1842	592773	631578
9	3	18	464870	62	1108	1151	164263	631578
10	1	13	275797	89	0	0	355692	631578
11	1	19	396511	53	0	0	235014	631578
12	3	5	573988	81	1404	1059	54884	631578
13	1	5	386609	95	0	0	244874	631578
14	3	7	177806	71	1106	958	451495	631578
15	1	17	625171	66	0	0	6341	631578
16	2	10	278384	83	1863	0	351165	631578
17	3	10	73742	100	1365	1078	555093	631578
18	1	7	24008	72	0	0	607498	631578
19	2	16	620226	53	1223	0	10023	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	8	205540	60	0	0	500282	705882
2	3	18	182781	79	1668	1145	520051	705882
3	3	19	169347	64	1163	1227	533953	705882
4	1	9	655369	52	0	0	50461	705882
5	1	18	349345	71	0	0	356466	705882
6	2	5	482799	99	1040	0	221845	705882
7	1	5	560820	74	0	0	144988	705882
8	1	12	89206	66	0	0	616610	705882
9	2	9	412159	82	1072	0	292487	705882
10	1	6	681929	96	0	0	23857	705882
11	2	16	676693	96	1007	0	27990	705882
12	2	5	459352	99	1625	0	244707	705882
13	2	15	401840	88	1746	0	302120	705882
14	3	5	341748	53	1719	1902	360354	705882
15	2	18	317005	96	1018	0	387667	705882
16	2	17	130241	52	1364	0	574173	705882
17	3	15	276266	69	1360	1029	427020	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	1	6	591125	92	0	0	208783	800000
2	2	6	795022	84	1295	0	3515	800000
3	3	12	116861	84	1439	1149	680299	800000
4	1	19	7992	74	0	0	791934	800000
5	3	13	224093	100	1147	1816	572644	800000
6	1	11	297442	73	0	0	502485	800000
7	3	12	597692	70	1228	1410	199460	800000
8	3	16	583827	94	1013	1140	213738	800000
9	3	14	711361	73	1301	1238	85881	800000
10	3	8	70233	90	1096	1452	726949	800000
11	2	16	125765	80	1515	0	672560	800000
12	2	8	5576	61	1642	0	792660	800000
13	1	8	132591	70	0	0	667339	800000
14	1	8	225661	74	0	0	574265	800000
15	3	17	44782	89	1088	1165	752698	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	11	452239	99	1417	0	296146	750000
2	1	18	288441	91	0	0	461468	750000
3	3	5	216608	95	1240	1630	530237	750000
4	3	5	135503	51	1678	1401	611265	750000
5	1	18	350987	57	0	0	398956	750000
6	2	12	233965	97	1665	0	514176	750000
7	1	16	700759	67	0	0	49174	750000
8	2	18	73537	74	1613	0	674702	750000
9	3	13	115600	59	1764	1293	631166	750000
10	2	13	678935	94	1348	0	69529	750000
11	3	13	279801	57	1547	1422	467059	750000
12	3	5	263449	78	944	1153	484220	750000
13	1	13	412575	53	0	0	337372	750000
14	1	6	602041	70	0	0	147889	750000
15	1	19	661371	67	0	0	88562	750000
16	1	10	594883	82	0	0	155035	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	3	10	400183	85	928	1770	302746	705882
2	1	6	321741	91	0	0	384050	705882
3	1	9	450810	83	0	0	254989	705882
4	1	18	311551	81	0	0	394250	705882
5	3	14	315954	93	1075	1387	387187	705882
6	2	11	453264	93	1123	0	251309	705882
7	2	5	614720	92	940	0	90038	705882
8	1	18	239519	66	0	0	466297	705882
9	1	10	520336	75	0	0	185471	705882
10	1	18	99546	98	0	0	606238	705882
11	3	18	138539	86	1180	1328	564577	705882
12	2	6	155611	98	1721	0	548354	705882
13	3	5	119179	69	1102	1874	583520	705882
14	3	8	406291	81	1549	1298	296501	705882
15	3	13	349273	88	1106	1160	354079	705882
16	3	13	34204	98	1485	1400	668499	705882
17	3	11	308088	68	1866	1575	394149	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	6	325600	62	1875	1904	1003768	1333333
2	1	14	647985	70	0	0	685278	1333333
3	1	13	565718	83	0	0	767532	1333333
4	1	13	1214094	55	0	0	119184	1333333
5	1	12	296381	67	0	0	1036885	1333333
6	3	10	637526	85	1792	1869	691891	1333333
7	2	17	1027567	90	1883	0	303703	1333333
8	2	10	1092525	80	1575	0	239073	1333333
9	2	19	399407	98	993	0	932737	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	1	20	576271	97	0	0	346708	923076
2	2	18	590347	63	959	0	331644	923076
3	1	13	337900	82	0	0	585094	923076
4	2	6	785193	80	1211	0	136512	923076
5	3	15	887987	89	1268	1795	31759	923076
6	3	12	49195	90	1599	1282	870730	923076
7	2	19	443387	68	1351	0	478202	923076
8	2	10	295084	95	1822	0	625980	923076
9	3	10	33535	89	1588	1826	885860	923076
10	3	8	59971	62	1387	1596	859936	923076
11	1	17	783030	76	0	0	139970	923076
12	1	17	711673	51	0	0	211352	923076
13	3	15	248980	59	1528	1609	670782	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	3	7	698578	97	1102	1866	48163	750000
2	2	19	155038	93	931	0	593845	750000
3	1	18	153245	90	0	0	596665	750000
4	2	11	69457	97	1264	0	679085	750000
5	2	15	650610	82	1288	0	97938	750000
6	2	13	99962	57	1688	0	648236	750000
7	3	15	230478	50	1349	972	517051	750000
8	1	16	97259	62	0	0	652679	750000
9	3	19	723903	84	1740	1752	22353	750000
10	1	14	535696	98	0	0	214206	750000
11	3	9	228858	59	1119	1181	518665	750000
12	1	10	322213	91	0	0	427696	750000
13	3	6	147945	100	1663	1179	598913	750000
14	2	17	318070	70	1826	0	429964	750000
15	3	8	567491	85	1243	1640	179371	750000
16	3	19	667335	77	1450	1119	79865	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	16	238149	78	1388	0	1260307	1500000
2	3	8	508232	50	1871	1216	988531	1500000
3	3	6	842985	78	1467	1560	653754	1500000
4	2	16	82087	57	1232	0	1416567	1500000
5	2	18	818626	53	1462	0	679806	1500000
6	2	11	889616	64	1839	0	608417	1500000
7	1	10	1087053	53	0	0	412894	1500000
8	2	8	1330411	97	985	0	168410	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	3	19	767049	72	1490	1084	430161	1200000
2	1	10	1096422	95	0	0	103483	1200000
3	1	16	421911	59	0	0	778030	1200000
4	1	14	772105	82	0	0	427813	1200000
5	1	20	588231	76	0	0	611693	1200000
6	2	15	914642	88	1404	0	283778	1200000
7	3	14	991270	57	1323	1010	206226	1200000
8	1	5	218672	65	0	0	981263	1200000
9	1	19	272365	68	0	0	927567	1200000
10	2	20	1111922	54	1494	0	86476	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	18	324476	83	0	0	675441	1000000
2	2	10	261059	96	1158	0	737591	1000000
3	1	19	664682	57	0	0	335261	1000000
4	3	17	975746	72	1642	1462	20934	1000000
5	2	5	445147	83	921	0	553766	1000000
6	1	9	290376	64	0	0	709560	1000000
7	2	10	731721	70	1128	0	267011	1000000
8	1	7	274356	88	0	0	725556	1000000
9	1	7	457484	90	0	0	542426	1000000
10	3	20	692218	52	983	1334	305309	1000000
11	1	15	381191	89	0	0	618720	1000000
12	2	14	954169	78	1604	0	44071	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	9	59760	100	1548	0	688492	750000
2	3	16	378343	94	1855	1075	368445	750000
3	1	12	311617	64	0	0	438319	750000
4	3	19	12593	92	1725	914	734492	750000
5	2	14	379791	98	1138	0	368875	750000
6	3	19	355595	50	1580	1104	391571	750000
7	3	18	379174	75	1227	1409	367965	750000
8	2	7	65238	57	1235	0	683413	750000
9	1	19	372956	59	0	0	376985	750000
10	1	16	558379	99	0	0	191522	750000
11	3	20	39902	94	1547	918	707351	750000
12	3	14	579404	70	1691	1782	166913	750000
13	1	5	236665	50	0	0	513285	750000
14	3	6	384674	81	1179	1235	362669	750000
15	3	16	301411	92	1231	1634	445448	750000
16	1	17	36458	50	0	0	713492	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	3	14	1004995	73	1781	1787	191218	1200000
2	1	6	966027	89	0	0	233884	1200000
3	2	13	243057	66	1703	0	955108	1200000
4	1	16	627306	80	0	0	572614	1200000
5	3	11	141574	72	1099	1121	1055990	1200000
6	3	10	673726	85	1226	999	523794	1200000
7	3	14	503604	90	1344	1455	693327	1200000
8	2	17	586920	97	1768	0	611118	1200000
9	1	9	607876	86	0	0	592038	1200000
10	1	13	296339	78	0	0	903583	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	8	535389	63	0	0	170430	705882
2	2	11	664961	65	1671	0	39120	705882
3	1	12	8729	96	0	0	697057	705882
4	1	13	669310	70	0	0	36502	705882
5	2	16	554714	83	1049	0	149953	705882
6	3	20	634749	100	1108	1361	68364	705882
7	2	7	44912	86	1720	0	659078	705882
8	2	16	569578	63	1544	0	134634	705882
9	3	5	446771	62	1664	1919	255342	705882
10	3	8	692122	51	1416	1836	10355	705882
11	1	18	360749	61	0	0	345072	705882
12	2	13	562248	76	1133	0	142349	705882
13	1	13	87581	92	0	0	618209	705882
14	1	6	279191	50	0	0	426641	705882
15	2	15	98167	99	1816	0	605701	705882
16	2	16	568203	70	1336	0	136203	705882
17	1	19	460	52	0	0	705370	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	1	12	548886	81	0	0	51033	600000
2	3	17	237263	78	1676	1119	359708	600000
3	1	11	293770	87	0	0	306143	600000
4	2	14	379789	87	1742	0	218295	600000
5	2	8	72754	74	996	0	526102	600000
6	3	17	253165	73	1121	1631	343864	600000
7	1	8	505784	94	0	0	94122	600000
8	2	17	104527	75	1026	0	494297	600000
9	3	8	76775	96	1390	1421	520126	600000
10	2	8	38327	50	1755	0	559818	600000
11	2	9	301959	60	1394	0	296527	600000
12	3	10	462144	78	975	1409	135238	600000
13	2	17	85546	52	1179	0	513171	600000
14	2	20	568915	78	1026	0	29903	600000
15	2	17	159186	83	1552	0	439096	600000
16	3	20	320560	78	1154	1374	276678	600000
17	2	20	342614	82	1870	0	255352	600000
18	3	15	28726	67	1875	1401	567797	600000
19	3	10	170717	53	1120	1660	426344	600000
20	3	11	68065	57	1193	1644	528927	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	2	18	56957	75	1163	0	541730	600000
2	1	18	20692	66	0	0	579242	600000
3	1	11	496862	58	0	0	103080	600000
4	1	15	136752	79	0	0	463169	600000
5	1	12	282308	58	0	0	317634	600000
6	3	9	159715	86	1007	918	438102	600000
7	1	5	171583	54	0	0	428363	600000
8	3	20	582146	76	1316	994	15316	600000
9	1	20	82406	80	0	0	517514	600000
10	1	18	113472	83	0	0	486445	600000
11	3	5	123539	95	1321	1368	473487	600000
12	3	15	465498	77	1413	1516	131342	600000
13	2	6	193828	57	1679	0	404379	600000
14	3	20	503341	50	1427	1835	93247	600000
15	3	16	133330	75	1052	1641	463752	600000
16	2	10	54339	62	1829	0	543708	600000
17	1	9	354746	56	0	0	245198	600000
18	2	10	534933	91	1060	0	63825	600000
19	2	9	571293	90	1345	0	27182	600000
20	2	18	380743	60	1428	0	217709	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	5	472030	94	1025	1822	156419	631578
2	1	10	182033	61	0	0	449484	631578
3	1	19	283148	64	0	0	348366	631578
4	3	12	129742	99	1634	1021	498884	631578
5	2	20	55093	66	1283	0	575070	631578
6	1	7	136400	64	0	0	495114	631578
7	1	17	427781	77	0	0	203720	631578
8	1	12	49575	69	0	0	581934	631578
9	1	18	461946	84	0	0	169548	631578
10	1	14	156921	92	0	0	474565	631578
11	2	20	333209	70	1069	0	297160	631578
12	3	10	243658	54	1376	1218	385164	631578
13	3	5	569131	85	1622	1389	59181	631578
14	1	17	309403	65	0	0	322110	631578
15	2	6	562441	94	1269	0	67680	631578
16	2	9	313279	52	1423	0	316772	631578
17	2	6	509513	69	1498	0	120429	631578
18	1	15	184123	51	0	0	447404	631578
19	2	8	623960	69	1668	0	5812	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	20	659367	55	1339	0	139184	800000
2	1	18	606787	77	0	0	193136	800000
3	3	19	314436	76	1700	1560	482076	800000
4	1	20	619716	55	0	0	180229	800000
5	3	14	146444	75	1390	1823	650118	800000
6	3	5	282455	66	1241	1034	515072	800000
7	1	17	404871	54	0	0	395075	800000
8	1	18	519303	54	0	0	280643	800000
9	2	13	517603	98	1244	0	280957	800000
10	1	9	41111	69	0	0	758820	800000
11	3	9	73111	71	1221	1892	723563	800000
12	1	15	57011	90	0	0	742899	800000
13	1	17	430791	98	0	0	369111	800000
14	2	14	668643	83	1294	0	129897	800000
15	3	7	243629	56	1879	1199	553125	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	8	807418	99	1718	1510	189057	1000000
2	2	6	824458	63	1818	0	173598	1000000
3	1	20	733610	59	0	0	266331	1000000
4	3	5	622062	79	1571	1617	374513	1000000
5	2	15	910001	100	983	0	88816	1000000
6	2	19	491562	64	1663	0	506647	1000000
7	1	14	139413	100	0	0	860487	1000000
8	1	18	462008	77	0	0	537915	1000000
9	2	12	659478	67	1365	0	339023	1000000
10	3	8	417449	75	1775	1169	579382	1000000
11	2	14	751308	96	1515	0	246985	1000000
12	2	14	696871	99	1635	0	301296	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	11	878611	67	1321	0	210843	1090909
2	1	18	689433	80	0	0	401396	1090909
3	1	13	272565	88	0	0	818256	1090909
4	2	20	928982	56	1281	0	160534	1090909
5	2	15	547879	86	949	0	541909	1090909
6	1	11	410580	79	0	0	680250	1090909
7	3	7	830929	80	1901	1014	256825	1090909
8	1	7	56609	50	0	0	1034250	1090909
9	1	11	656095	51	0	0	434763	1090909
10	1	9	914101	81	0	0	176727	1090909
11	2	9	618899	68	1560	0	470314	1090909

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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	20	634974	57	1531	1242	112082	750000
2	1	11	523653	91	0	0	226256	750000
3	3	12	591237	62	1123	1597	155857	750000
4	1	20	693042	67	0	0	56891	750000
5	1	7	84808	92	0	0	665100	750000
6	3	8	43238	71	1227	1142	704180	750000
7	1	5	381590	60	0	0	368350	750000
8	1	17	403379	98	0	0	346523	750000
9	3	17	545265	65	1395	1568	201577	750000
10	3	6	426635	88	980	1091	321030	750000
11	1	15	482990	96	0	0	266914	750000
12	2	5	675249	95	1776	0	72785	750000
13	3	20	430894	80	1519	1255	316092	750000
14	2	20	536321	61	1856	0	211701	750000
15	1	15	510787	79	0	0	239134	750000
16	1	8	316498	80	0	0	433422	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	3	7	899103	65	1053	1578	188980	1090909
2	1	11	1031308	78	0	0	59523	1090909
3	2	19	902578	97	1538	0	186599	1090909
4	3	18	307536	93	1204	1060	780830	1090909
5	2	7	609541	56	1407	0	479849	1090909
6	2	20	1044927	63	1464	0	44392	1090909
7	3	14	455892	79	1888	1493	631399	1090909
8	3	13	917629	98	1262	903	170821	1090909
9	1	17	110541	77	0	0	980291	1090909
10	3	20	976095	91	1164	1652	111725	1090909
11	1	11	190542	100	0	0	900267	1090909

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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	7	878433	54	1903	0	619556	1500000
2	3	16	1001207	100	1262	1213	496018	1500000
3	1	5	1356072	64	0	0	143864	1500000
4	3	9	924247	90	1590	999	572894	1500000
5	3	16	406649	73	1371	1912	1089849	1500000
6	1	9	908554	90	0	0	591356	1500000
7	2	11	1309623	70	1103	0	189134	1500000
8	1	11	1481310	70	0	0	18620	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	3	17	1059620	71	1211	1488	437468	1500000
2	1	6	713458	92	0	0	786450	1500000
3	3	6	935069	87	1326	1883	561461	1500000
4	2	14	1153991	76	1508	0	344349	1500000
5	3	16	1328809	52	1063	1808	168164	1500000
6	3	12	1035781	51	1338	1815	460913	1500000
7	1	9	1004596	89	0	0	495315	1500000
8	2	9	564848	95	953	0	934009	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	3	18	152083	95	1217	1882	594533	750000
2	1	19	609540	92	0	0	140368	750000
3	2	20	60816	64	1298	0	687758	750000
4	1	18	272594	85	0	0	477321	750000
5	3	6	37898	82	1763	959	709134	750000
6	2	20	468983	85	991	0	279856	750000
7	1	11	161764	77	0	0	588159	750000
8	1	9	410775	91	0	0	339134	750000
9	3	17	39521	83	1539	1415	707276	750000
10	1	18	682830	88	0	0	67082	750000
11	2	7	512753	62	1394	0	235729	750000
12	2	16	582119	51	1000	0	166779	750000
13	1	13	220426	67	0	0	529507	750000
14	3	12	540909	63	1806	1829	205267	750000
15	1	18	113585	63	0	0	636352	750000
16	3	5	591490	86	938	1503	155811	750000

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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**

#01-5607	#02-5392	#03-5630	#04-5623	#05-5424	#06-5645	#07-5458	#08-5663	#09-5653	#10-5642
#11-5334	#12-5473	#13-5611	#14-5496	#15-5386	#16-5520	#17-5320	#18-5481	#19-5657	#20-5360
#21-5518	#22-5449	#23-5302	#24-5614	#25-5401	#26-5427	#27-5266	#28-5509	#29-5714	#30-5506
#31-5256	#32-5325	#33-5373	#34-5261	#35-5706	#36-5592	#37-5690	#38-5692	#39-5542	#40-5258
#41-5281	#42-5510	#43-5569	#44-5491	#45-5416	#46-5660	#47-5410	#48-5515	#49-5328	#50-5419
#51-5356	#52-5408	#53-5460	#54-5577	#55-5259	#56-5272	#57-5467	#58-5442	#59-5403	#60-5664
#61-5385	#62-5327	#63-5397	#64-5487	#65-5485	#66-5405	#67-5264	#68-5453	#69-5443	#70-5701
#71-5440	#72-5626	#73-5517	#74-5294	#75-5634	#76-5260	#77-5330	#78-5348	#79-5250	#80-5631
#81-5495	#82-5654	#83-5583	#84-5667	#85-5474	#86-5389	#87-5319	#88-5621	#89-5432	#90-5422
#91-5254	#92-5656	#93-5505	#94-5396	#95-5311	#96-5715	#97-5362	#98-5380	#99-5693	#100-5559

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

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

#01-5309	#02-5689	#03-5363	#04-5456	#05-5361	#06-5304	#07-5465	#08-5385	#09-5398	#10-5491
#11-5471	#12-5632	#13-5634	#14-5335	#15-5595	#16-5573	#17-5718	#18-5561	#19-5371	#20-5255
#21-5334	#22-5597	#23-5630	#24-5329	#25-5549	#26-5677	#27-5387	#28-5259	#29-5540	#30-5654
#31-5610	#32-5609	#33-5661	#34-5594	#35-5618	#36-5554	#37-5268	#38-5338	#39-5578	#40-5485
#41-5283	#42-5655	#43-5507	#44-5273	#45-5596	#46-5311	#47-5441	#48-5392	#49-5621	#50-5708
#51-5544	#52-5572	#53-5553	#54-5700	#55-5342	#56-5457	#57-5377	#58-5536	#59-5352	#60-5327
#61-5375	#62-5583	#63-5586	#64-5697	#65-5702	#66-5447	#67-5629	#68-5477	#69-5517	#70-5494
#71-5301	#72-5666	#73-5373	#74-5306	#75-5678	#76-5615	#77-5671	#78-5591	#79-5643	#80-5316
#81-5287	#82-5358	#83-5619	#84-5526	#85-5347	#86-5616	#87-5706	#88-5501	#89-5360	#90-5425
#91-5344	#92-5646	#93-5724	#94-5624	#95-5570	#96-5464	#97-5374	#98-5424	#99-5328	#100-5317

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

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

#01-5304	#02-5309	#03-5648	#04-5400	#05-5334	#06-5320	#07-5583	#08-5462	#09-5381	#10-5508
#11-5664	#12-5614	#13-5519	#14-5711	#15-5589	#16-5571	#17-5425	#18-5645	#19-5556	#20-5353
#21-5495	#22-5266	#23-5384	#24-5600	#25-5572	#26-5451	#27-5306	#28-5294	#29-5457	#30-5467
#31-5469	#32-5593	#33-5724	#34-5707	#35-5298	#36-5695	#37-5376	#38-5263	#39-5545	#40-5668
#41-5494	#42-5369	#43-5576	#44-5485	#45-5454	#46-5284	#47-5288	#48-5453	#49-5592	#50-5699
#51-5547	#52-5649	#53-5552	#54-5607	#55-5264	#56-5528	#57-5417	#58-5291	#59-5445	#60-5270
#61-5520	#62-5253	#63-5540	#64-5601	#65-5299	#66-5632	#67-5261	#68-5409	#69-5250	#70-5621
#71-5533	#72-5365	#73-5368	#74-5325	#75-5292	#76-5269	#77-5295	#78-5418	#79-5602	#80-5619
#81-5427	#82-5373	#83-5647	#84-5548	#85-5380	#86-5530	#87-5389	#88-5327	#89-5535	#90-5290
#91-5433	#92-5580	#93-5259	#94-5468	#95-5372	#96-5713	#97-5581	#98-5539	#99-5546	#100-5391

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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**

#01-5366	#02-5658	#03-5433	#04-5532	#05-5697	#06-5509	#07-5371	#08-5480	#09-5276	#10-5568
#11-5376	#12-5343	#13-5310	#14-5416	#15-5678	#16-5475	#17-5502	#18-5455	#19-5270	#20-5647
#21-5426	#22-5723	#23-5324	#24-5659	#25-5469	#26-5282	#27-5525	#28-5648	#29-5430	#30-5443
#31-5271	#32-5329	#33-5605	#34-5526	#35-5257	#36-5714	#37-5364	#38-5573	#39-5558	#40-5680
#41-5689	#42-5508	#43-5447	#44-5307	#45-5487	#46-5674	#47-5302	#48-5418	#49-5293	#50-5375
#51-5519	#52-5623	#53-5690	#54-5368	#55-5583	#56-5499	#57-5313	#58-5664	#59-5708	#60-5448
#61-5300	#62-5547	#63-5297	#64-5463	#65-5409	#66-5361	#67-5654	#68-5622	#69-5389	#70-5692
#71-5461	#72-5464	#73-5601	#74-5602	#75-5707	#76-5332	#77-5473	#78-5479	#79-5667	#80-5400
#81-5620	#82-5534	#83-5706	#84-5561	#85-5613	#86-5380	#87-5590	#88-5618	#89-5621	#90-5481
#91-5639	#92-5675	#93-5625	#94-5259	#95-5273	#96-5617	#97-5454	#98-5477	#99-5379	#100-5656

**Type 6 #5 [Back to Summary]**

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

#01-5478	#02-5629	#03-5706	#04-5621	#05-5330	#06-5581	#07-5484	#08-5694	#09-5357	#10-5407
#11-5651	#12-5487	#13-5482	#14-5671	#15-5521	#16-5558	#17-5495	#18-5394	#19-5253	#20-5492
#21-5460	#22-5547	#23-5514	#24-5701	#25-5592	#26-5683	#27-5641	#28-5275	#29-5540	#30-5285
#31-5393	#32-5405	#33-5299	#34-5332	#35-5709	#36-5398	#37-5693	#38-5429	#39-5287	#40-5387
#41-5512	#42-5532	#43-5517	#44-5699	#45-5497	#46-5516	#47-5470	#48-5345	#49-5620	#50-5605
#51-5473	#52-5611	#53-5446	#54-5656	#55-5364	#56-5255	#57-5279	#58-5372	#59-5665	#60-5628
#61-5669	#62-5541	#63-5507	#64-5432	#65-5588	#66-5537	#67-5410	#68-5527	#69-5690	#70-5691
#71-5355	#72-5672	#73-5264	#74-5721	#75-5251	#76-5344	#77-5417	#78-5420	#79-5485	#80-5380
#81-5659	#82-5315	#83-5644	#84-5518	#85-5578	#86-5401	#87-5594	#88-5664	#89-5306	#90-5346
#91-5483	#92-5568	#93-5715	#94-5395	#95-5441	#96-5415	#97-5334	#98-5606	#99-5533	#100-5459

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

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

#01-5328	#02-5254	#03-5507	#04-5505	#05-5498	#06-5641	#07-5367	#08-5659	#09-5680	#10-5494
#11-5392	#12-5539	#13-5606	#14-5306	#15-5588	#16-5538	#17-5578	#18-5437	#19-5667	#20-5267
#21-5633	#22-5595	#23-5597	#24-5354	#25-5273	#26-5576	#27-5534	#28-5654	#29-5333	#30-5677
#31-5645	#32-5581	#33-5311	#34-5387	#35-5262	#36-5330	#37-5484	#38-5476	#39-5389	#40-5351
#41-5341	#42-5279	#43-5359	#44-5339	#45-5601	#46-5480	#47-5419	#48-5590	#49-5442	#50-5465
#51-5346	#52-5637	#53-5393	#54-5617	#55-5516	#56-5444	#57-5440	#58-5618	#59-5275	#60-5719
#61-5451	#62-5526	#63-5441	#64-5602	#65-5583	#66-5531	#67-5268	#68-5325	#69-5639	#70-5487
#71-5681	#72-5303	#73-5577	#74-5370	#75-5336	#76-5452	#77-5365	#78-5690	#79-5474	#80-5353
#81-5662	#82-5591	#83-5685	#84-5669	#85-5724	#86-5479	#87-5621	#88-5625	#89-5385	#90-5334
#91-5344	#92-5377	#93-5707	#94-5466	#95-5399	#96-5564	#97-5378	#98-5317	#99-5703	#100-5278

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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**

#01-5488	#02-5676	#03-5269	#04-5560	#05-5354	#06-5416	#07-5634	#08-5279	#09-5701	#10-5422
#11-5561	#12-5335	#13-5480	#14-5658	#15-5583	#16-5302	#17-5372	#18-5604	#19-5665	#20-5555
#21-5392	#22-5553	#23-5702	#24-5595	#25-5628	#26-5661	#27-5612	#28-5483	#29-5400	#30-5581
#31-5700	#32-5594	#33-5613	#34-5656	#35-5431	#36-5298	#37-5460	#38-5311	#39-5521	#40-5693
#41-5424	#42-5314	#43-5401	#44-5396	#45-5381	#46-5644	#47-5631	#48-5273	#49-5487	#50-5495
#51-5498	#52-5377	#53-5398	#54-5611	#55-5659	#56-5698	#57-5399	#58-5417	#59-5529	#60-5603
#61-5369	#62-5446	#63-5691	#64-5447	#65-5549	#66-5476	#67-5535	#68-5567	#69-5333	#70-5696
#71-5380	#72-5327	#73-5402	#74-5324	#75-5448	#76-5497	#77-5267	#78-5705	#79-5638	#80-5452
#81-5466	#82-5465	#83-5295	#84-5310	#85-5379	#86-5414	#87-5436	#88-5281	#89-5429	#90-5344
#91-5405	#92-5462	#93-5645	#94-5434	#95-5533	#96-5506	#97-5624	#98-5675	#99-5409	#100-5548

**Type 6 #8 [Back to Summary]**

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

#01-5665	#02-5690	#03-5283	#04-5719	#05-5475	#06-5707	#07-5503	#08-5703	#09-5461	#10-5506
#11-5657	#12-5704	#13-5532	#14-5356	#15-5616	#16-5370	#17-5617	#18-5268	#19-5563	#20-5647
#21-5549	#22-5723	#23-5718	#24-5626	#25-5287	#26-5310	#27-5447	#28-5487	#29-5715	#30-5424
#31-5359	#32-5695	#33-5679	#34-5590	#35-5333	#36-5470	#37-5722	#38-5437	#39-5676	#40-5566
#41-5426	#42-5251	#43-5388	#44-5501	#45-5435	#46-5598	#47-5635	#48-5641	#49-5386	#50-5256
#51-5570	#52-5477	#53-5667	#54-5696	#55-5381	#56-5681	#57-5414	#58-5509	#59-5266	#60-5713
#61-5286	#62-5396	#63-5686	#64-5274	#65-5666	#66-5272	#67-5372	#68-5430	#69-5314	#70-5612
#71-5331	#72-5373	#73-5721	#74-5579	#75-5374	#76-5576	#77-5536	#78-5418	#79-5427	#80-5451
#81-5591	#82-5391	#83-5498	#84-5481	#85-5514	#86-5416	#87-5438	#88-5689	#89-5717	#90-5540
#91-5410	#92-5656	#93-5613	#94-5495	#95-5263	#96-5551	#97-5592	#98-5682	#99-5600	#100-5670

**Type 6 #9 [Back to Summary]**

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

#01-5367	#02-5256	#03-5354	#04-5702	#05-5698	#06-5420	#07-5383	#08-5593	#09-5694	#10-5562
#11-5548	#12-5324	#13-5605	#14-5622	#15-5506	#16-5674	#17-5524	#18-5446	#19-5660	#20-5281
#21-5587	#22-5559	#23-5415	#24-5505	#25-5648	#26-5325	#27-5566	#28-5591	#29-5416	#30-5305
#31-5716	#32-5381	#33-5584	#34-5376	#35-5537	#36-5443	#37-5378	#38-5304	#39-5346	#40-5272
#41-5703	#42-5581	#43-5257	#44-5598	#45-5481	#46-5602	#47-5317	#48-5486	#49-5614	#50-5665
#51-5638	#52-5504	#53-5422	#54-5664	#55-5299	#56-5345	#57-5542	#58-5251	#59-5384	#60-5395
#61-5492	#62-5333	#63-5409	#64-5490	#65-5647	#66-5712	#67-5253	#68-5564	#69-5553	#70-5641
#71-5451	#72-5334	#73-5714	#74-5655	#75-5300	#76-5532	#77-5411	#78-5436	#79-5340	#80-5393
#81-5282	#82-5344	#83-5613	#84-5557	#85-5498	#86-5572	#87-5357	#88-5330	#89-5483	#90-5485
#91-5309	#92-5565	#93-5361	#94-5523	#95-5618	#96-5457	#97-5262	#98-5616	#99-5464	#100-5326

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**Title:** Aruba Networks, Inc. APIN0204, APIN0205  
**To:** FCC CFR 47 Part 15 Subpart E 15.407  
**Serial #:** ARUB206-U5\_DFS Rev A  
**Issue Date:** 11<sup>th</sup> May 2016  
**Page:** 150 of 157

Type 6 #10 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5283	#02-5601	#03-5613	#04-5485	#05-5361	#06-5621	#07-5584	#08-5345	#09-5369	#10-5565
#11-5675	#12-5273	#13-5458	#14-5400	#15-5318	#16-5343	#17-5500	#18-5660	#19-5411	#20-5421
#21-5655	#22-5716	#23-5554	#24-5662	#25-5571	#26-5325	#27-5542	#28-5260	#29-5389	#30-5278
#31-5332	#32-5721	#33-5268	#34-5465	#35-5696	#36-5469	#37-5323	#38-5668	#39-5434	#40-5623
#41-5390	#42-5665	#43-5388	#44-5714	#45-5541	#46-5627	#47-5373	#48-5314	#49-5524	#50-5682
#51-5327	#52-5455	#53-5292	#54-5395	#55-5291	#56-5297	#57-5676	#58-5639	#59-5285	#60-5329
#61-5574	#62-5681	#63-5340	#64-5483	#65-5678	#66-5439	#67-5347	#68-5599	#69-5427	#70-5717
#71-5702	#72-5523	#73-5514	#74-5301	#75-5416	#76-5672	#77-5279	#78-5423	#79-5418	#80-5671
#81-5589	#82-5321	#83-5254	#84-5516	#85-5300	#86-5597	#87-5648	#88-5518	#89-5409	#90-5632
#91-5354	#92-5299	#93-5629	#94-5611	#95-5438	#96-5691	#97-5650	#98-5504	#99-5335	#100-5478

Type 6 #11 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5494	#02-5606	#03-5715	#04-5253	#05-5609	#06-5587	#07-5635	#08-5628	#09-5341	#10-5268
#11-5478	#12-5412	#13-5605	#14-5567	#15-5487	#16-5423	#17-5330	#18-5267	#19-5334	#20-5597
#21-5474	#22-5451	#23-5511	#24-5637	#25-5393	#26-5710	#27-5705	#28-5704	#29-5663	#30-5541
#31-5644	#32-5288	#33-5530	#34-5716	#35-5432	#36-5292	#37-5515	#38-5524	#39-5295	#40-5443
#41-5396	#42-5342	#43-5555	#44-5401	#45-5255	#46-5595	#47-5676	#48-5518	#49-5569	#50-5250
#51-5270	#52-5525	#53-5514	#54-5345	#55-5340	#56-5466	#57-5602	#58-5655	#59-5648	#60-5402
#61-5452	#62-5558	#63-5374	#64-5324	#65-5575	#66-5304	#67-5381	#68-5540	#69-5468	#70-5403
#71-5328	#72-5712	#73-5620	#74-5359	#75-5290	#76-5387	#77-5364	#78-5279	#79-5436	#80-5344
#81-5407	#82-5510	#83-5440	#84-5643	#85-5672	#86-5425	#87-5307	#88-5418	#89-5513	#90-5472
#91-5664	#92-5353	#93-5568	#94-5621	#95-5386	#96-5687	#97-5667	#98-5538	#99-5618	#100-5300

Type 6 #12 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5329	#02-5487	#03-5625	#04-5462	#05-5308	#06-5397	#07-5639	#08-5692	#09-5539	#10-5385
#11-5386	#12-5434	#13-5365	#14-5410	#15-5595	#16-5614	#17-5580	#18-5297	#19-5517	#20-5516
#21-5542	#22-5456	#23-5343	#24-5382	#25-5299	#26-5314	#27-5286	#28-5682	#29-5680	#30-5568
#31-5626	#32-5275	#33-5686	#34-5375	#35-5703	#36-5655	#37-5613	#38-5259	#39-5605	#40-5681
#41-5654	#42-5505	#43-5366	#44-5610	#45-5485	#46-5677	#47-5582	#48-5342	#49-5561	#50-5336
#51-5491	#52-5350	#53-5444	#54-5482	#55-5597	#56-5393	#57-5492	#58-5413	#59-5719	#60-5361
#61-5261	#62-5696	#63-5483	#64-5360	#65-5473	#66-5715	#67-5432	#68-5664	#69-5251	#70-5571
#71-5416	#72-5587	#73-5287	#74-5340	#75-5458	#76-5622	#77-5346	#78-5400	#79-5428	#80-5590
#81-5368	#82-5481	#83-5649	#84-5617	#85-5356	#86-5511	#87-5370	#88-5570	#89-5611	#90-5569
#91-5697	#92-5493	#93-5394	#94-5376	#95-5374	#96-5454	#97-5402	#98-5560	#99-5489	#100-5324

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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									
#01-5514	#02-5582	#03-5445	#04-5506	#05-5660	#06-5595	#07-5316	#08-5569	#09-5657	#10-5341
#11-5618	#12-5464	#13-5347	#14-5436	#15-5706	#16-5325	#17-5402	#18-5606	#19-5250	#20-5529
#21-5716	#22-5614	#23-5518	#24-5671	#25-5332	#26-5497	#27-5617	#28-5475	#29-5277	#30-5437
#31-5533	#32-5311	#33-5385	#34-5633	#35-5422	#36-5574	#37-5576	#38-5500	#39-5504	#40-5292
#41-5637	#42-5605	#43-5600	#44-5654	#45-5279	#46-5663	#47-5472	#48-5551	#49-5324	#50-5678
#51-5489	#52-5519	#53-5523	#54-5692	#55-5652	#56-5560	#57-5578	#58-5424	#59-5343	#60-5630
#61-5629	#62-5334	#63-5473	#64-5286	#65-5301	#66-5322	#67-5650	#68-5476	#69-5550	#70-5356
#71-5471	#72-5487	#73-5329	#74-5259	#75-5642	#76-5266	#77-5302	#78-5558	#79-5394	#80-5648
#81-5677	#82-5579	#83-5477	#84-5516	#85-5586	#86-5666	#87-5494	#88-5263	#89-5723	#90-5673
#91-5256	#92-5701	#93-5431	#94-5718	#95-5612	#96-5400	#97-5626	#98-5573	#99-5572	#100-5268

Type 6 #14 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5281	#02-5443	#03-5683	#04-5259	#05-5544	#06-5525	#07-5513	#08-5280	#09-5419	#10-5677
#11-5441	#12-5479	#13-5720	#14-5495	#15-5439	#16-5381	#17-5405	#18-5462	#19-5552	#20-5678
#21-5391	#22-5539	#23-5322	#24-5283	#25-5376	#26-5559	#27-5309	#28-5671	#29-5718	#30-5272
#31-5354	#32-5262	#33-5257	#34-5459	#35-5484	#36-5393	#37-5707	#38-5485	#39-5444	#40-5448
#41-5613	#42-5299	#43-5503	#44-5304	#45-5509	#46-5286	#47-5436	#48-5473	#49-5423	#50-5268
#51-5470	#52-5361	#53-5597	#54-5618	#55-5601	#56-5467	#57-5371	#58-5650	#59-5608	#60-5709
#61-5465	#62-5567	#63-5397	#64-5573	#65-5428	#66-5472	#67-5511	#68-5260	#69-5295	#70-5398
#71-5645	#72-5267	#73-5353	#74-5315	#75-5342	#76-5285	#77-5498	#78-5339	#79-5373	#80-5561
#81-5497	#82-5700	#83-5526	#84-5717	#85-5390	#86-5363	#87-5583	#88-5266	#89-5307	#90-5263
#91-5356	#92-5456	#93-5330	#94-5377	#95-5594	#96-5550	#97-5343	#98-5493	#99-5553	#100-5431

Type 6 #15 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5352	#02-5401	#03-5519	#04-5586	#05-5629	#06-5319	#07-5310	#08-5595	#09-5580	#10-5288
#11-5358	#12-5652	#13-5718	#14-5273	#15-5341	#16-5294	#17-5532	#18-5371	#19-5269	#20-5329
#21-5654	#22-5537	#23-5418	#24-5524	#25-5448	#26-5349	#27-5369	#28-5355	#29-5701	#30-5624
#31-5622	#32-5534	#33-5323	#34-5560	#35-5644	#36-5631	#37-5331	#38-5598	#39-5328	#40-5700
#41-5677	#42-5485	#43-5600	#44-5291	#45-5430	#46-5722	#47-5468	#48-5353	#49-5503	#50-5505
#51-5536	#52-5372	#53-5502	#54-5540	#55-5707	#56-5719	#57-5388	#58-5530	#59-5675	#60-5680
#61-5618	#62-5681	#63-5391	#64-5548	#65-5579	#66-5408	#67-5354	#68-5434	#69-5687	#70-5659
#71-5293	#72-5376	#73-5661	#74-5343	#75-5450	#76-5605	#77-5266	#78-5577	#79-5445	#80-5338
#81-5500	#82-5250	#83-5307	#84-5649	#85-5337	#86-5459	#87-5522	#88-5275	#89-5592	#90-5625
#91-5607	#92-5393	#93-5309	#94-5724	#95-5318	#96-5543	#97-5601	#98-5491	#99-5303	#100-5333

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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									
#01-5604	#02-5580	#03-5626	#04-5662	#05-5649	#06-5658	#07-5352	#08-5423	#09-5593	#10-5615
#11-5548	#12-5685	#13-5350	#14-5251	#15-5510	#16-5599	#17-5449	#18-5495	#19-5267	#20-5379
#21-5551	#22-5475	#23-5461	#24-5307	#25-5545	#26-5266	#27-5508	#28-5627	#29-5421	#30-5484
#31-5565	#32-5699	#33-5474	#34-5318	#35-5436	#36-5522	#37-5597	#38-5341	#39-5619	#40-5418
#41-5301	#42-5259	#43-5308	#44-5432	#45-5684	#46-5722	#47-5532	#48-5668	#49-5402	#50-5558
#51-5473	#52-5648	#53-5507	#54-5587	#55-5354	#56-5414	#57-5641	#58-5569	#59-5521	#60-5381
#61-5444	#62-5314	#63-5370	#64-5376	#65-5502	#66-5442	#67-5413	#68-5652	#69-5623	#70-5650
#71-5485	#72-5382	#73-5690	#74-5465	#75-5600	#76-5586	#77-5269	#78-5700	#79-5683	#80-5309
#81-5588	#82-5260	#83-5441	#84-5612	#85-5688	#86-5271	#87-5642	#88-5493	#89-5425	#90-5300
#91-5622	#92-5644	#93-5540	#94-5719	#95-5312	#96-5557	#97-5470	#98-5340	#99-5504	#100-5659

Type 6 #17 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5548	#02-5412	#03-5374	#04-5621	#05-5614	#06-5261	#07-5254	#08-5493	#09-5622	#10-5593
#11-5562	#12-5322	#13-5581	#14-5303	#15-5453	#16-5659	#17-5478	#18-5391	#19-5259	#20-5379
#21-5475	#22-5435	#23-5484	#24-5296	#25-5650	#26-5408	#27-5537	#28-5278	#29-5523	#30-5610
#31-5428	#32-5558	#33-5653	#34-5436	#35-5317	#36-5716	#37-5324	#38-5260	#39-5637	#40-5724
#41-5527	#42-5431	#43-5310	#44-5571	#45-5684	#46-5665	#47-5583	#48-5580	#49-5586	#50-5363
#51-5465	#52-5529	#53-5323	#54-5702	#55-5574	#56-5688	#57-5578	#58-5441	#59-5464	#60-5349
#61-5707	#62-5384	#63-5488	#64-5652	#65-5591	#66-5699	#67-5592	#68-5623	#69-5404	#70-5381
#71-5346	#72-5380	#73-5673	#74-5253	#75-5424	#76-5450	#77-5691	#78-5467	#79-5679	#80-5667
#81-5273	#82-5315	#83-5343	#84-5373	#85-5501	#86-5427	#87-5360	#88-5407	#89-5446	#90-5510
#91-5448	#92-5332	#93-5281	#94-5608	#95-5279	#96-5682	#97-5432	#98-5706	#99-5368	#100-5399

Type 6 #18 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5375	#02-5698	#03-5440	#04-5374	#05-5721	#06-5360	#07-5487	#08-5333	#09-5406	#10-5684
#11-5319	#12-5395	#13-5529	#14-5478	#15-5448	#16-5415	#17-5482	#18-5293	#19-5699	#20-5625
#21-5594	#22-5495	#23-5498	#24-5367	#25-5660	#26-5393	#27-5320	#28-5351	#29-5710	#30-5566
#31-5713	#32-5527	#33-5711	#34-5267	#35-5363	#36-5296	#37-5683	#38-5427	#39-5271	#40-5489
#41-5581	#42-5662	#43-5476	#44-5570	#45-5410	#46-5588	#47-5449	#48-5388	#49-5257	#50-5467
#51-5604	#52-5419	#53-5666	#54-5311	#55-5691	#56-5417	#57-5706	#58-5421	#59-5420	#60-5555
#61-5646	#62-5429	#63-5465	#64-5654	#65-5652	#66-5667	#67-5473	#68-5290	#69-5641	#70-5433
#71-5548	#72-5634	#73-5488	#74-5510	#75-5326	#76-5481	#77-5418	#78-5358	#79-5357	#80-5294
#81-5259	#82-5302	#83-5330	#84-5515	#85-5446	#86-5574	#87-5371	#88-5596	#89-5491	#90-5331
#91-5409	#92-5709	#93-5458	#94-5329	#95-5525	#96-5362	#97-5380	#98-5379	#99-5274	#100-5552

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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									
#01-5603	#02-5393	#03-5507	#04-5468	#05-5635	#06-5665	#07-5634	#08-5663	#09-5386	#10-5380
#11-5538	#12-5384	#13-5455	#14-5602	#15-5572	#16-5401	#17-5696	#18-5624	#19-5643	#20-5295
#21-5511	#22-5467	#23-5395	#24-5328	#25-5526	#26-5693	#27-5721	#28-5681	#29-5306	#30-5702
#31-5703	#32-5269	#33-5432	#34-5423	#35-5662	#36-5257	#37-5664	#38-5431	#39-5687	#40-5553
#41-5509	#42-5675	#43-5275	#44-5504	#45-5581	#46-5482	#47-5373	#48-5390	#49-5481	#50-5460
#51-5704	#52-5614	#53-5341	#54-5650	#55-5361	#56-5389	#57-5359	#58-5637	#59-5707	#60-5330
#61-5402	#62-5560	#63-5364	#64-5272	#65-5428	#66-5718	#67-5684	#68-5462	#69-5333	#70-5251
#71-5517	#72-5445	#73-5303	#74-5271	#75-5362	#76-5489	#77-5557	#78-5640	#79-5470	#80-5492
#81-5290	#82-5543	#83-5331	#84-5261	#85-5621	#86-5563	#87-5554	#88-5459	#89-5299	#90-5570
#91-5429	#92-5522	#93-5365	#94-5571	#95-5397	#96-5723	#97-5339	#98-5383	#99-5336	#100-5337

Type 6 #20 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5583	#02-5398	#03-5399	#04-5414	#05-5657	#06-5317	#07-5324	#08-5454	#09-5347	#10-5624
#11-5497	#12-5405	#13-5379	#14-5252	#15-5283	#16-5514	#17-5547	#18-5719	#19-5330	#20-5392
#21-5515	#22-5685	#23-5642	#24-5578	#25-5493	#26-5673	#27-5494	#28-5394	#29-5288	#30-5717
#31-5602	#32-5705	#33-5476	#34-5467	#35-5601	#36-5626	#37-5421	#38-5265	#39-5590	#40-5297
#41-5561	#42-5276	#43-5305	#44-5672	#45-5457	#46-5716	#47-5721	#48-5587	#49-5715	#50-5517
#51-5388	#52-5560	#53-5668	#54-5623	#55-5480	#56-5546	#57-5645	#58-5708	#59-5548	#60-5654
#61-5415	#62-5354	#63-5271	#64-5653	#65-5637	#66-5376	#67-5382	#68-5342	#69-5532	#70-5282
#71-5556	#72-5488	#73-5629	#74-5694	#75-5370	#76-5502	#77-5531	#78-5298	#79-5449	#80-5463
#81-5533	#82-5644	#83-5702	#84-5395	#85-5599	#86-5344	#87-5606	#88-5474	#89-5631	#90-5585
#91-5675	#92-5651	#93-5664	#94-5312	#95-5479	#96-5595	#97-5622	#98-5710	#99-5259	#100-5527

Type 6 #21 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5362	#02-5308	#03-5719	#04-5511	#05-5425	#06-5393	#07-5426	#08-5300	#09-5372	#10-5367
#11-5630	#12-5532	#13-5370	#14-5718	#15-5398	#16-5711	#17-5468	#18-5438	#19-5497	#20-5533
#21-5649	#22-5628	#23-5678	#24-5292	#25-5431	#26-5439	#27-5301	#28-5627	#29-5327	#30-5401
#31-5464	#32-5454	#33-5592	#34-5420	#35-5586	#36-5708	#37-5608	#38-5424	#39-5675	#40-5430
#41-5509	#42-5295	#43-5368	#44-5542	#45-5666	#46-5486	#47-5446	#48-5467	#49-5404	#50-5522
#51-5437	#52-5405	#53-5290	#54-5679	#55-5375	#56-5690	#57-5415	#58-5328	#59-5505	#60-5674
#61-5381	#62-5353	#63-5293	#64-5487	#65-5317	#66-5359	#67-5390	#68-5409	#69-5633	#70-5613
#71-5539	#72-5584	#73-5722	#74-5667	#75-5692	#76-5598	#77-5720	#78-5304	#79-5276	#80-5502
#81-5605	#82-5287	#83-5717	#84-5354	#85-5280	#86-5364	#87-5360	#88-5284	#89-5419	#90-5610
#91-5297	#92-5544	#93-5355	#94-5560	#95-5435	#96-5693	#97-5472	#98-5631	#99-5691	#100-5676

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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									
#01-5472	#02-5687	#03-5588	#04-5492	#05-5262	#06-5332	#07-5651	#08-5631	#09-5278	#10-5608
#11-5576	#12-5505	#13-5435	#14-5399	#15-5469	#16-5611	#17-5633	#18-5523	#19-5712	#20-5660
#21-5434	#22-5535	#23-5570	#24-5324	#25-5538	#26-5308	#27-5534	#28-5382	#29-5655	#30-5380
#31-5275	#32-5403	#33-5532	#34-5401	#35-5496	#36-5517	#37-5406	#38-5527	#39-5371	#40-5338
#41-5353	#42-5661	#43-5503	#44-5375	#45-5542	#46-5690	#47-5331	#48-5564	#49-5561	#50-5644
#51-5280	#52-5491	#53-5662	#54-5367	#55-5514	#56-5678	#57-5518	#58-5274	#59-5622	#60-5347
#61-5621	#62-5446	#63-5479	#64-5281	#65-5591	#66-5318	#67-5364	#68-5366	#69-5345	#70-5432
#71-5634	#72-5545	#73-5344	#74-5312	#75-5452	#76-5343	#77-5461	#78-5719	#79-5637	#80-5595
#81-5284	#82-5707	#83-5563	#84-5612	#85-5502	#86-5474	#87-5716	#88-5457	#89-5307	#90-5422
#91-5675	#92-5691	#93-5448	#94-5444	#95-5458	#96-5467	#97-5395	#98-5693	#99-5316	#100-5424

Type 6 #23 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5508	#02-5559	#03-5619	#04-5328	#05-5584	#06-5710	#07-5484	#08-5369	#09-5721	#10-5283
#11-5382	#12-5527	#13-5479	#14-5657	#15-5314	#16-5354	#17-5699	#18-5651	#19-5488	#20-5439
#21-5250	#22-5540	#23-5414	#24-5486	#25-5343	#26-5624	#27-5252	#28-5502	#29-5491	#30-5366
#31-5551	#32-5264	#33-5497	#34-5438	#35-5719	#36-5639	#37-5346	#38-5378	#39-5372	#40-5321
#41-5663	#42-5698	#43-5679	#44-5588	#45-5645	#46-5689	#47-5525	#48-5402	#49-5291	#50-5505
#51-5531	#52-5454	#53-5602	#54-5423	#55-5692	#56-5394	#57-5383	#58-5709	#59-5685	#60-5707
#61-5706	#62-5604	#63-5457	#64-5367	#65-5280	#66-5290	#67-5662	#68-5400	#69-5257	#70-5570
#71-5529	#72-5417	#73-5501	#74-5276	#75-5586	#76-5660	#77-5452	#78-5350	#79-5450	#80-5269
#81-5535	#82-5265	#83-5277	#84-5494	#85-5687	#86-5412	#87-5339	#88-5681	#89-5345	#90-5324
#91-5381	#92-5441	#93-5615	#94-5648	#95-5587	#96-5251	#97-5659	#98-5287	#99-5351	#100-5396

Type 6 #24 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5356	#02-5568	#03-5457	#04-5536	#05-5275	#06-5505	#07-5606	#08-5402	#09-5268	#10-5437
#11-5557	#12-5385	#13-5635	#14-5631	#15-5295	#16-5426	#17-5366	#18-5328	#19-5544	#20-5655
#21-5511	#22-5420	#23-5459	#24-5532	#25-5261	#26-5589	#27-5348	#28-5417	#29-5651	#30-5267
#31-5498	#32-5518	#33-5594	#34-5645	#35-5650	#36-5480	#37-5582	#38-5387	#39-5558	#40-5325
#41-5668	#42-5305	#43-5609	#44-5479	#45-5623	#46-5676	#47-5345	#48-5712	#49-5482	#50-5610
#51-5683	#52-5531	#53-5465	#54-5569	#55-5398	#56-5722	#57-5253	#58-5263	#59-5640	#60-5507
#61-5710	#62-5342	#63-5419	#64-5308	#65-5591	#66-5405	#67-5714	#68-5705	#69-5539	#70-5704
#71-5494	#72-5469	#73-5456	#74-5476	#75-5575	#76-5303	#77-5363	#78-5637	#79-5429	#80-5418
#81-5382	#82-5379	#83-5326	#84-5501	#85-5578	#86-5373	#87-5643	#88-5543	#89-5682	#90-5688
#91-5550	#92-5612	#93-5467	#94-5687	#95-5364	#96-5422	#97-5638	#98-5439	#99-5311	#100-5477

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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									
#01-5363	#02-5646	#03-5397	#04-5675	#05-5624	#06-5252	#07-5503	#08-5531	#09-5648	#10-5287
#11-5494	#12-5604	#13-5276	#14-5638	#15-5454	#16-5306	#17-5714	#18-5580	#19-5575	#20-5651
#21-5279	#22-5492	#23-5703	#24-5274	#25-5415	#26-5621	#27-5614	#28-5256	#29-5505	#30-5476
#31-5349	#32-5650	#33-5626	#34-5687	#35-5579	#36-5335	#37-5628	#38-5474	#39-5641	#40-5289
#41-5401	#42-5290	#43-5460	#44-5258	#45-5441	#46-5298	#47-5635	#48-5366	#49-5649	#50-5300
#51-5589	#52-5385	#53-5447	#54-5595	#55-5668	#56-5372	#57-5510	#58-5253	#59-5301	#60-5524
#61-5393	#62-5536	#63-5394	#64-5678	#65-5374	#66-5599	#67-5696	#68-5336	#69-5355	#70-5659
#71-5612	#72-5602	#73-5452	#74-5693	#75-5406	#76-5430	#77-5627	#78-5615	#79-5425	#80-5485
#81-5514	#82-5428	#83-5341	#84-5636	#85-5367	#86-5471	#87-5399	#88-5304	#89-5316	#90-5347
#91-5286	#92-5562	#93-5669	#94-5654	#95-5498	#96-5570	#97-5404	#98-5353	#99-5547	#100-5634

Type 6 #26 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5537	#02-5360	#03-5634	#04-5413	#05-5670	#06-5583	#07-5687	#08-5258	#09-5693	#10-5609
#11-5319	#12-5462	#13-5250	#14-5555	#15-5568	#16-5306	#17-5351	#18-5363	#19-5529	#20-5667
#21-5470	#22-5268	#23-5481	#24-5266	#25-5673	#26-5460	#27-5533	#28-5264	#29-5648	#30-5440
#31-5488	#32-5692	#33-5334	#34-5538	#35-5252	#36-5615	#37-5371	#38-5489	#39-5323	#40-5386
#41-5594	#42-5309	#43-5584	#44-5285	#45-5569	#46-5562	#47-5581	#48-5347	#49-5251	#50-5434
#51-5595	#52-5519	#53-5604	#54-5328	#55-5397	#56-5336	#57-5635	#58-5477	#59-5450	#60-5679
#61-5686	#62-5699	#63-5282	#64-5471	#65-5280	#66-5304	#67-5716	#68-5290	#69-5593	#70-5399
#71-5421	#72-5695	#73-5705	#74-5603	#75-5435	#76-5262	#77-5463	#78-5540	#79-5658	#80-5468
#81-5284	#82-5578	#83-5571	#84-5661	#85-5639	#86-5348	#87-5311	#88-5536	#89-5341	#90-5551
#91-5292	#92-5515	#93-5442	#94-5349	#95-5329	#96-5370	#97-5433	#98-5357	#99-5416	#100-5321

Type 6 #27 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5524	#02-5598	#03-5264	#04-5667	#05-5472	#06-5284	#07-5429	#08-5478	#09-5655	#10-5347
#11-5381	#12-5717	#13-5682	#14-5436	#15-5272	#16-5398	#17-5484	#18-5322	#19-5715	#20-5644
#21-5453	#22-5269	#23-5302	#24-5393	#25-5471	#26-5271	#27-5419	#28-5449	#29-5420	#30-5475
#31-5540	#32-5301	#33-5688	#34-5304	#35-5697	#36-5646	#37-5601	#38-5670	#39-5607	#40-5307
#41-5410	#42-5454	#43-5636	#44-5523	#45-5485	#46-5368	#47-5327	#48-5656	#49-5610	#50-5361
#51-5366	#52-5497	#53-5593	#54-5504	#55-5546	#56-5596	#57-5446	#58-5450	#59-5259	#60-5278
#61-5565	#62-5665	#63-5718	#64-5382	#65-5299	#66-5476	#67-5512	#68-5445	#69-5295	#70-5286
#71-5395	#72-5584	#73-5573	#74-5481	#75-5672	#76-5510	#77-5621	#78-5342	#79-5518	#80-5534
#81-5363	#82-5424	#83-5529	#84-5344	#85-5401	#86-5300	#87-5501	#88-5400	#89-5650	#90-5597
#91-5649	#92-5582	#93-5320	#94-5491	#95-5711	#96-5277	#97-5430	#98-5348	#99-5640	#100-5321

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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**

#01-5460	#02-5448	#03-5645	#04-5698	#05-5364	#06-5498	#07-5665	#08-5373	#09-5641	#10-5485
#11-5676	#12-5483	#13-5391	#14-5386	#15-5624	#16-5582	#17-5622	#18-5425	#19-5260	#20-5294
#21-5369	#22-5413	#23-5366	#24-5659	#25-5715	#26-5410	#27-5339	#28-5268	#29-5634	#30-5314
#31-5338	#32-5435	#33-5353	#34-5318	#35-5620	#36-5603	#37-5428	#38-5661	#39-5252	#40-5527
#41-5680	#42-5518	#43-5349	#44-5654	#45-5446	#46-5592	#47-5379	#48-5380	#49-5254	#50-5337
#51-5596	#52-5296	#53-5331	#54-5711	#55-5707	#56-5678	#57-5408	#58-5646	#59-5463	#60-5576
#61-5397	#62-5490	#63-5284	#64-5288	#65-5253	#66-5703	#67-5443	#68-5489	#69-5258	#70-5559
#71-5567	#72-5458	#73-5573	#74-5685	#75-5616	#76-5481	#77-5618	#78-5401	#79-5505	#80-5333
#81-5347	#82-5577	#83-5271	#84-5539	#85-5617	#86-5569	#87-5538	#88-5313	#89-5370	#90-5457
#91-5377	#92-5588	#93-5400	#94-5329	#95-5286	#96-5358	#97-5563	#98-5275	#99-5340	#100-5447

**Type 6 #29 [Back to Summary]**

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

#01-5515	#02-5495	#03-5683	#04-5642	#05-5313	#06-5393	#07-5432	#08-5611	#09-5297	#10-5439
#11-5336	#12-5722	#13-5507	#14-5414	#15-5270	#16-5504	#17-5354	#18-5452	#19-5478	#20-5552
#21-5589	#22-5490	#23-5538	#24-5723	#25-5568	#26-5267	#27-5540	#28-5292	#29-5305	#30-5591
#31-5355	#32-5509	#33-5303	#34-5293	#35-5436	#36-5306	#37-5314	#38-5606	#39-5255	#40-5330
#41-5398	#42-5663	#43-5707	#44-5640	#45-5265	#46-5579	#47-5459	#48-5281	#49-5522	#50-5513
#51-5583	#52-5274	#53-5682	#54-5578	#55-5643	#56-5470	#57-5375	#58-5617	#59-5590	#60-5384
#61-5469	#62-5360	#63-5702	#64-5399	#65-5395	#66-5670	#67-5584	#68-5410	#69-5389	#70-5289
#71-5310	#72-5586	#73-5351	#74-5524	#75-5438	#76-5697	#77-5319	#78-5567	#79-5651	#80-5278
#81-5335	#82-5500	#83-5517	#84-5561	#85-5714	#86-5411	#87-5464	#88-5264	#89-5570	#90-5296
#91-5710	#92-5530	#93-5287	#94-5429	#95-5542	#96-5610	#97-5358	#98-5724	#99-5539	#100-5609

**Type 6 #30 [Back to Summary]**

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

#01-5274	#02-5342	#03-5379	#04-5618	#05-5359	#06-5400	#07-5300	#08-5320	#09-5331	#10-5616
#11-5624	#12-5374	#13-5558	#14-5475	#15-5681	#16-5422	#17-5670	#18-5444	#19-5263	#20-5600
#21-5545	#22-5487	#23-5259	#24-5404	#25-5388	#26-5685	#27-5724	#28-5652	#29-5414	#30-5518
#31-5686	#32-5659	#33-5677	#34-5639	#35-5622	#36-5282	#37-5571	#38-5629	#39-5419	#40-5721
#41-5449	#42-5395	#43-5529	#44-5418	#45-5301	#46-5607	#47-5611	#48-5551	#49-5643	#50-5344
#51-5570	#52-5258	#53-5453	#54-5580	#55-5369	#56-5463	#57-5696	#58-5439	#59-5393	#60-5641
#61-5348	#62-5662	#63-5440	#64-5605	#65-5561	#66-5309	#67-5390	#68-5349	#69-5470	#70-5267
#71-5346	#72-5341	#73-5454	#74-5711	#75-5337	#76-5327	#77-5362	#78-5350	#79-5496	#80-5592
#81-5338	#82-5669	#83-5436	#84-5292	#85-5637	#86-5357	#87-5658	#88-5705	#89-5532	#90-5296
#91-5702	#92-5421	#93-5552	#94-5411	#95-5544	#96-5673	#97-5319	#98-5297	#99-5356	#100-5488

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