

Company: Aruba Networks, Inc.

Test of: APEX0100, APEX0101
To: FCC CFR 47 Part 15 Subpart E 15.407

Report No.: ARUB190-U5_DFS Rev A

DFS TEST REPORT



DFS TEST REPORT

FROM



Test of: Aruba Networks, Inc. APEX0100, APEX0101
to

To: FCC CFR 47 Part 15 Subpart E 15.407

Test Report Serial No.: ARUB190-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: 16th May 2016

This Test Report is Issued Under the Authority of:

MiCOM Labs, Inc.
575 Boulder Court
Pleasanton California 94566
USA
Phone: +1 (925) 462-0304
Fax: +1 (925) 462-0306
www.micomlabs.com



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 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

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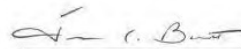
for technical competence in the field of

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 4th 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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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 test laboratory number 2381.02. MiCOM Labs test schedule is available at the following URL; <http://www.a2la.org/scopepdf/2381-02.pdf>



The certificate features a central title "Accredited Product Certification Body" in blue. Above it are the logos for IAF (International Accreditation Forum) and A2LA (American Association for Laboratory Accreditation). Below the title, it states "A2LA has accredited MICOM LABS, Pleasanton, CA". A paragraph explains the accreditation is based on ISO/IEC 17065:2012. A yellow seal on the left reads "CORPORATE SEAL 1978 AMERICAN ASSOCIATION FOR LABORATORY ACCREDITATION A2LA". A signature and name "Senior Director of Quality & Communications" are on the right, along with certificate details: "Presented this 4th day of February 2016.", "Certificate Number 2381.02", and "Valid to November 30, 2017". A footer note refers to the organization's Product Certification Scope of Accreditation.

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

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2. DOCUMENT HISTORY

Document History		
Revision	Date	Comments
Draft	13 th May 2016	
Rev A	16 th 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

Manufacturer: Aruba Networks, Inc. 1344 Crossman Ave. Sunnyvale California 94089 USA	Tested By: MiCOM Labs, Inc. 575 Boulder Court Pleasanton California 94566 USA
Model: APIN0100, APEX0101	Telephone: +1 925 462 0304 Fax: +1 925 462 0306
Type Of Equipment: Wireless Access Point	
S/N's: CL0016501	
Test Date(s): 9 th – 13 th May 2016	Website: www.micomlabs.com

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

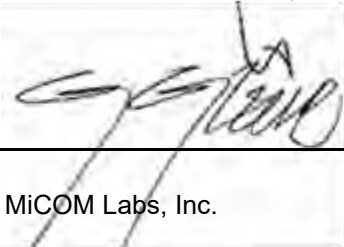
MiCOM Labs, Inc. tested the equipment mentioned in accordance with the requirements set forth in the above standards. Test results indicate that the equipment tested is capable of demonstrating compliance with the requirements as documented within this report.

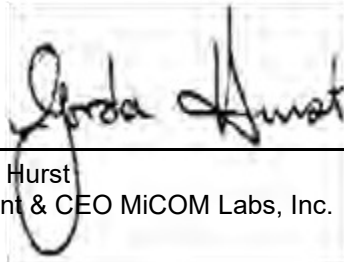
Notes:

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. APEX0100, APEX0101 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:	ARUB190-U5_DFS
Date EUT received:	6 th May 2016
Standard(s) applied:	FCC CFR 47 Part 15 Subpart E 15.407
Dates of test (from - to):	9 th – 13 th May 2016
No of Units Tested:	1
Type of Equipment:	Wireless Access Point
Product Family Name:	Mid-range 3x3:2 802.11ac Access Point
Model(s):	APEX0100, APEX0101
Location for use:	Outdoor
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/b/g/(n HT-20, HT-40)/ ac(VHT-20, VHT-40, VHT-80)
Transmit/Receive Operation:	Transceiver - Half Duplex
Rated Input Voltage and Current:	POE (POE adaptor sold with unit) 48Vdc
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:	APEX0100; 5.5 X 9 X 9.4 inches APEX0101; 10.6 X 9 X 9.4 inches.
Weight:	APEX0100; 5.3 lbs APEX0101; 5.3 lbs
Hardware Rev:	2.0
Software Rev:	6.5.0.0_54661

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5.2. Scope Of Test Program

Aruba Networks, Inc. APEX0100, APEX0101

The scope of the test program was to test the Aruba Networks, Inc. APEX0100, APEX0101 802.11a/b/g/n(HT-20, HT-40)/ ac(VHT-20, VHT-40, VHT-80) configurations in the frequency ranges 5250 - 5350 MHz; 5470 - 5725 MHz; for compliance against the following specification:

FCC CFR 47 Part 15 Subpart E 15.407

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

Aruba Networks, Inc. APEX0100, APEX0101



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Aruba Networks, Inc. APEX0100



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Aruba Networks, Inc. APEX0101



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

Type	Description	Manufacturer	Model	Serial no.	Delivery Date
EUT	Wireless Access Point	Aruba Networks	APEX0100	CL0016501	6 th May 2016

5.4. Antenna Details

Type	Manufacturer	Model	Family	Gain (dBi)	BF Gain	Dir BW	X-Pol	Frequency Band (MHz)
external	Aruba Networks	ANT-3x3-D905	Directional	5.0	-	360	-	5250 – 5350 5470 - 5725
external	Aruba Networks	ANT-2x2-D607*	Directional	7.0	-	360	-	5250 – 5350 5470 - 5725
external	Aruba Networks	ANT-2x2-D805*	Directional	5.0	-	360	-	5250 – 5350 5470 - 5725
external	Aruba Networks	ANT-3x3-5010*	OMNI	10.0	-	360	-	5250 – 5350 5470 - 5725
external	Aruba Networks	ANT-2x2-5314*	Directional	14.0	-	360	-	5250 – 5350 5470 - 5725
external	Aruba Networks	ANT-3x3-5712*	Directional	11.5	-	360	-	5250 – 5350 5470 - 5725
integral	Aruba Networks	Integral	Directional	5.0	-	360	-	5250 – 5350 5470 - 5725

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

5.5. Cabling and I/O Ports

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

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5.6. Test Configurations

Results for the following configurations are provided in this report:

Operational Mode(s) (802.11a/b/g/n/ac)	Data Rate with Highest Power MBit/s	Channel Frequency (MHz)		
		Low	Mid	High
5470 - 5725 MHz				
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. Software updated from 6.4.2.0 build 44601 to 6.5.0.0 build 54661 in order to pass Probability of Detection Radar Type 5. The other radar signature types were spot checked under the new software.

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

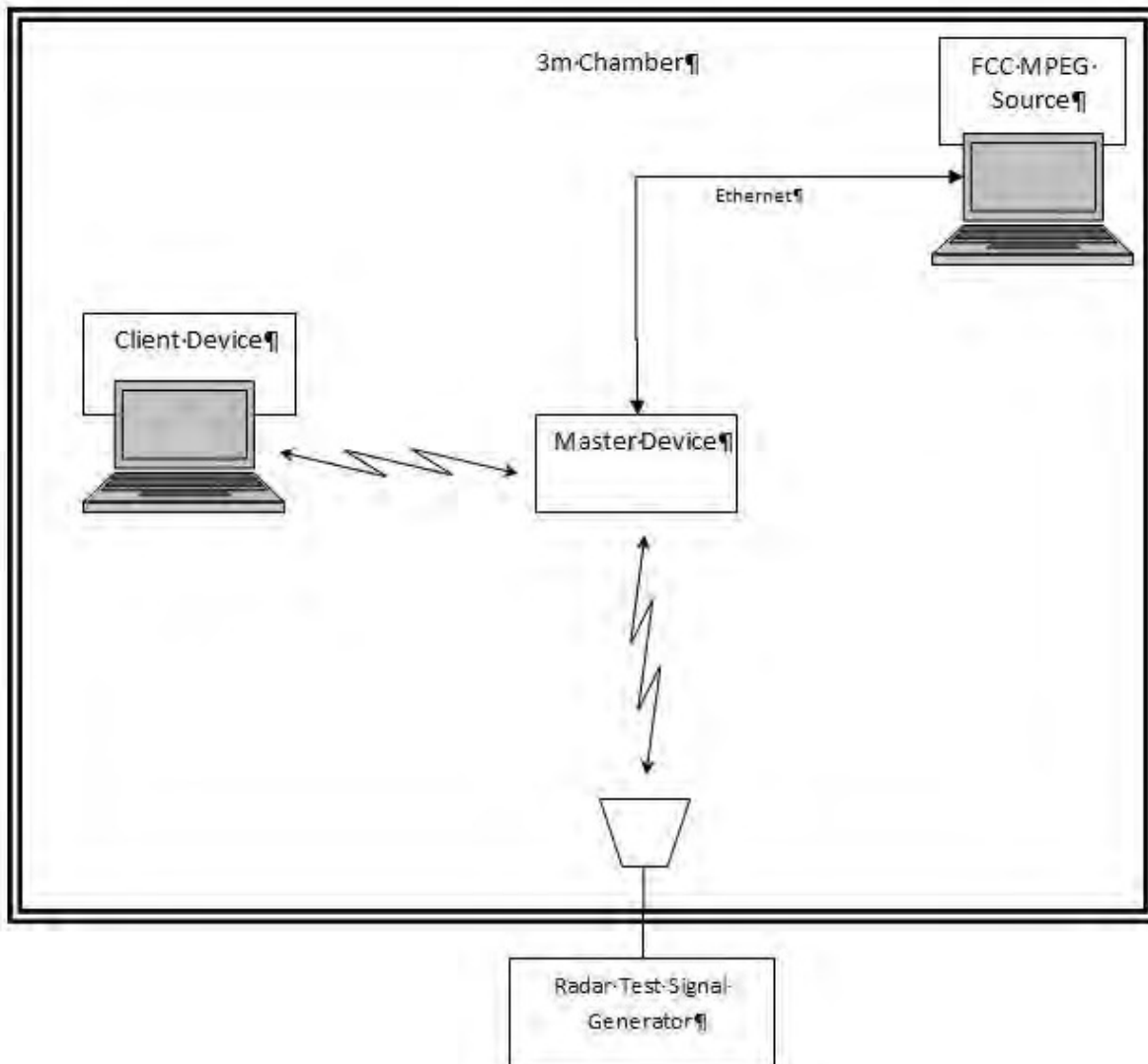
Test Header	Result	Data Link
(h)(2) Dynamic Frequency Selection (DFS)	Complies	-
(ii) Channel Availability Check	Complies	-
(a) Initial CAC	Complies	View Result
(b) Beginning CAC	Complies	View Result
(c) End CAC	Complies	View Result
(iii) Channel Close / Transmission Time	Complies	View Result
(iv) Non-Occupancy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

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7. TEST EQUIPMENT CONFIGURATION(S)

7.1. Radiated DFS Testing

Setup for Radiated DFS testing in 3 m chamber where the EUT is the Master device communicating with client device over the air. Radar Test Waveforms are injected from the Aeroflex PXI equipment and detected by the Master.



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
104	Antenna Horn 1-18GHz	Electro-Mechanics	3115	9205-3882	28 Aug 2016
117	Low Power Sensor - 70dBm to -20dBm 50 MHz - 50GHz	HP	8487D	3318A00371	17 Oct 2016
158	Barometer/Thermometer	Control Company	4196	E2846	01 Dec 2016
207	Semi-Anechoic Chamber, Radiated Immunity & DFS testing.	ETS Lingren	ETS/Lingren 25	SL12462	28 Aug 2016
223	Power Meter	HP	EPM-442A	US37480256	19 Oct 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
444	SMA Cable Assembly	ETS-Lindgren	RFC-NMS-100-SMS-256 IN	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

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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.

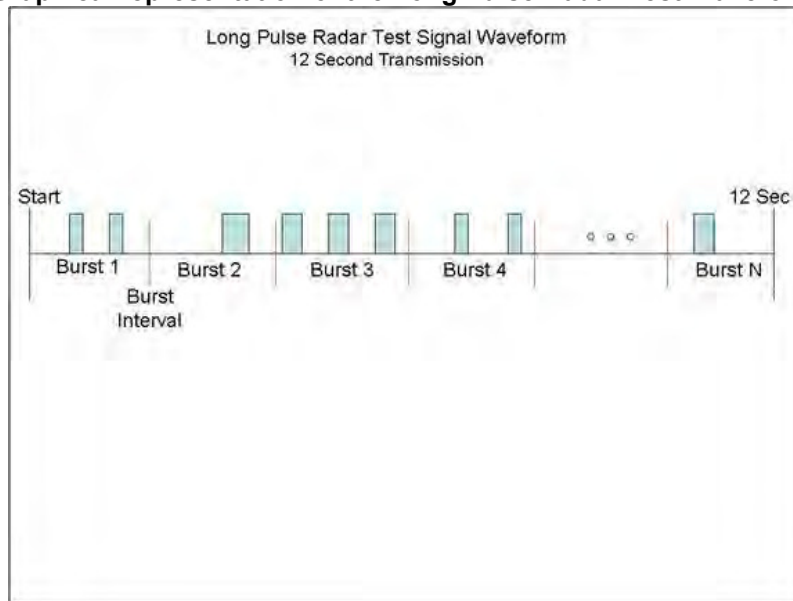
Each waveform is defined as follows:

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 FM chirp between 5 and 20 MHz, with the chirp width being randomly chosen. Each pulse within a Burst will have the same chirp width. Pulses in different Bursts may have different chirp widths. 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: Radiated

Antenna Gain used for Testing: 5 dBi

802.11a: Transmit Power: 15 dBm Data Rate: 18 Mbit/s Duty Cycle: 20%

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

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

Number of Antenna Chains: 3

Test Communication Throughput Methodology

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

EUT Software Version/Build Number: 6.4.2.0 / 44601 and 6.5.0.0 / 54661

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. T₀ (as defined within the FCC's KDB 905462 D02 Section 4.1). The power-up reference T₀ 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 T₀ and will end no sooner than T₀ + 60 seconds. T₀ + 60 is indicated on the plot by the second vertical line.

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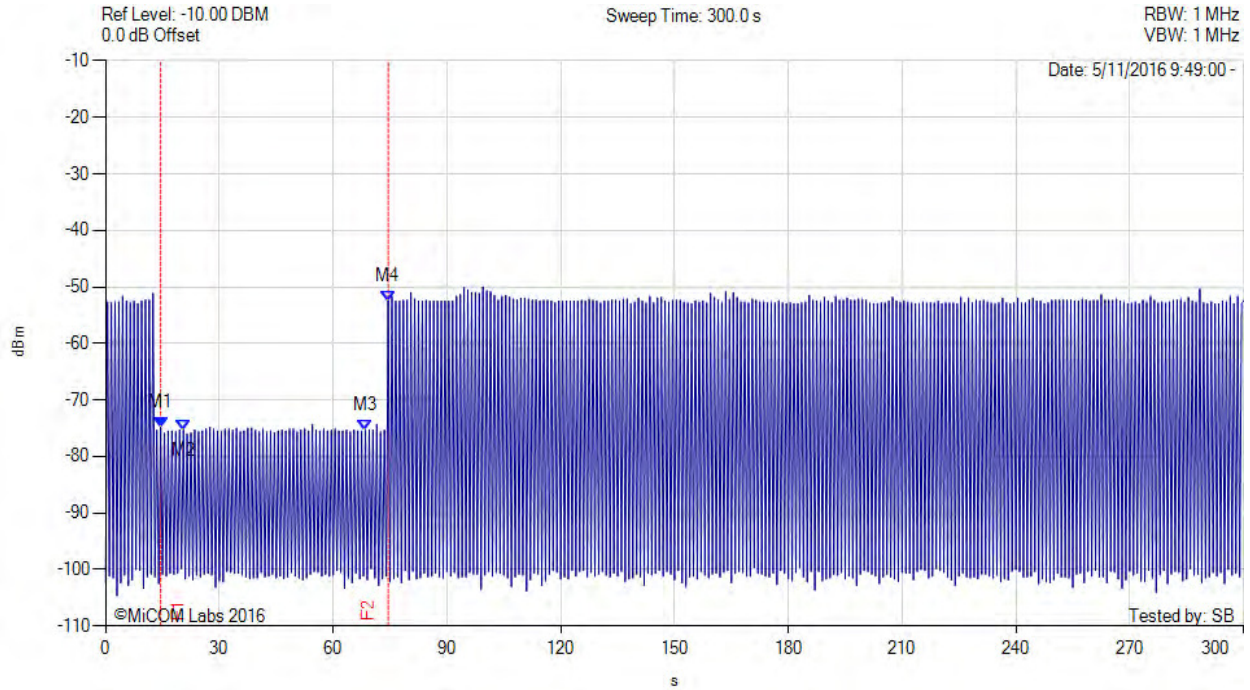


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INITIAL CAC



Variant: 802.11a, Channel: 5500.00 MHz, Data Rate: 18 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 5.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = NRM Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5500.00 MHz) : 14.500 s : -74.830 dBm M2(5500.00 MHz) : 20.500 s : -75.330 dBm M3(5500.00 MHz) : 68.500 s : -75.330 dBm M4(5500.00 MHz) : 74.500 s : -52.500 dBm	Channel Frequency: 5500.00 MHz

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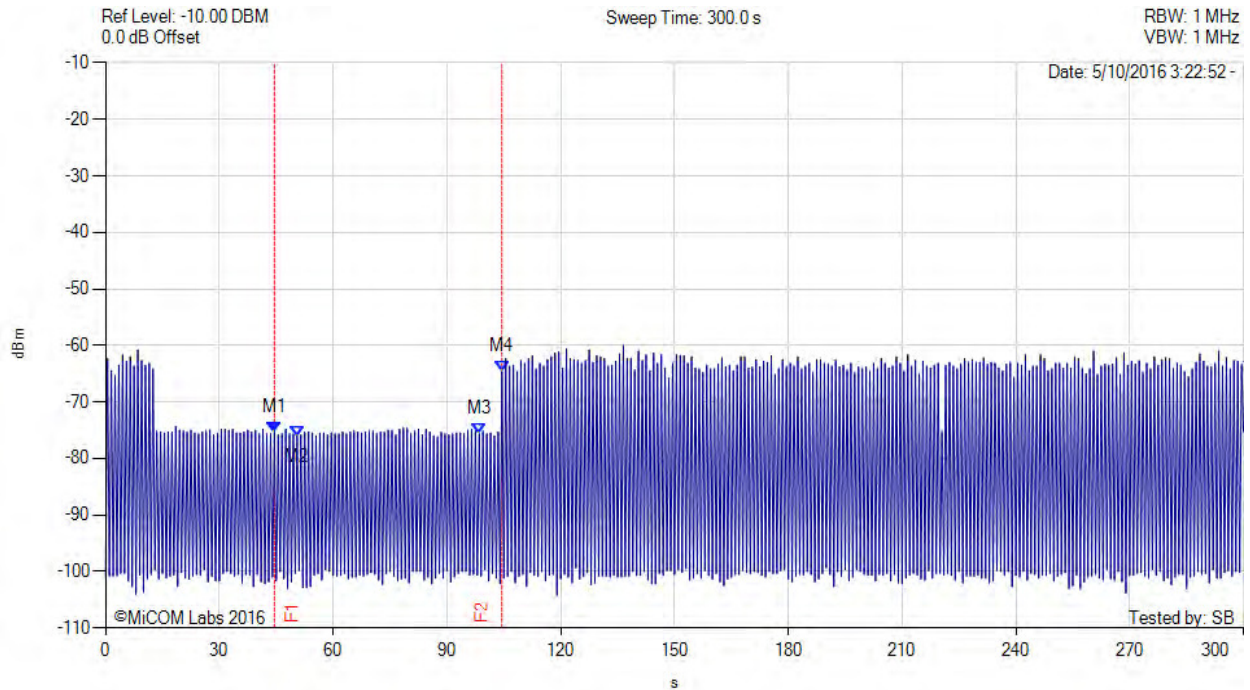


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INITIAL CAC



Variant: 802.11ac 80, Channel: 5530.00 MHz, Data Rate: 29 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 5.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = NRM Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5530.00 MHz) : 44.500 s : -75.330 dBm M2(5530.00 MHz) : 50.500 s : -76.000 dBm M3(5530.00 MHz) : 98.500 s : -75.660 dBm M4(5530.00 MHz) : 104.500 s : -64.660 dBm	Channel Frequency: 5530.00 MHz

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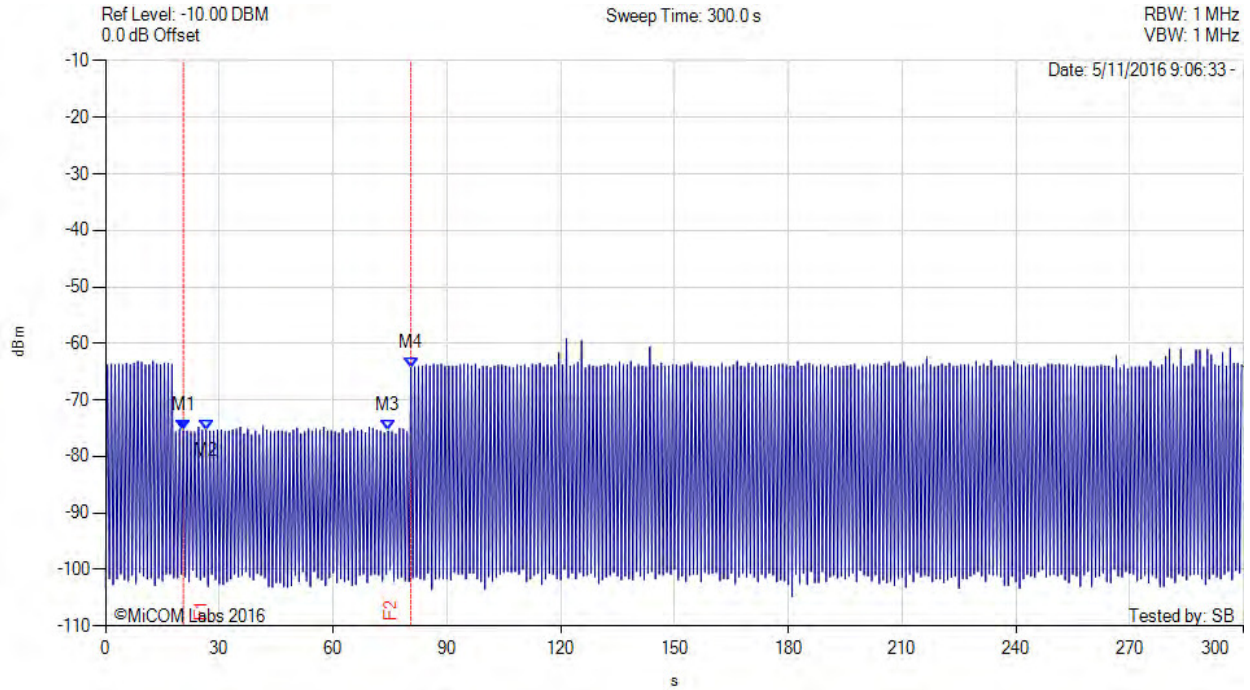


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INITIAL CAC



Variant: 802.11n HT40, Channel: 5510.00 MHz, Data Rate: 18 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 5.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = NRM Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5510.00 MHz) : 20.500 s : -75.500 dBm M2(5510.00 MHz) : 26.500 s : -75.330 dBm M3(5510.00 MHz) : 74.500 s : -75.500 dBm M4(5510.00 MHz) : 80.500 s : -64.330 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.

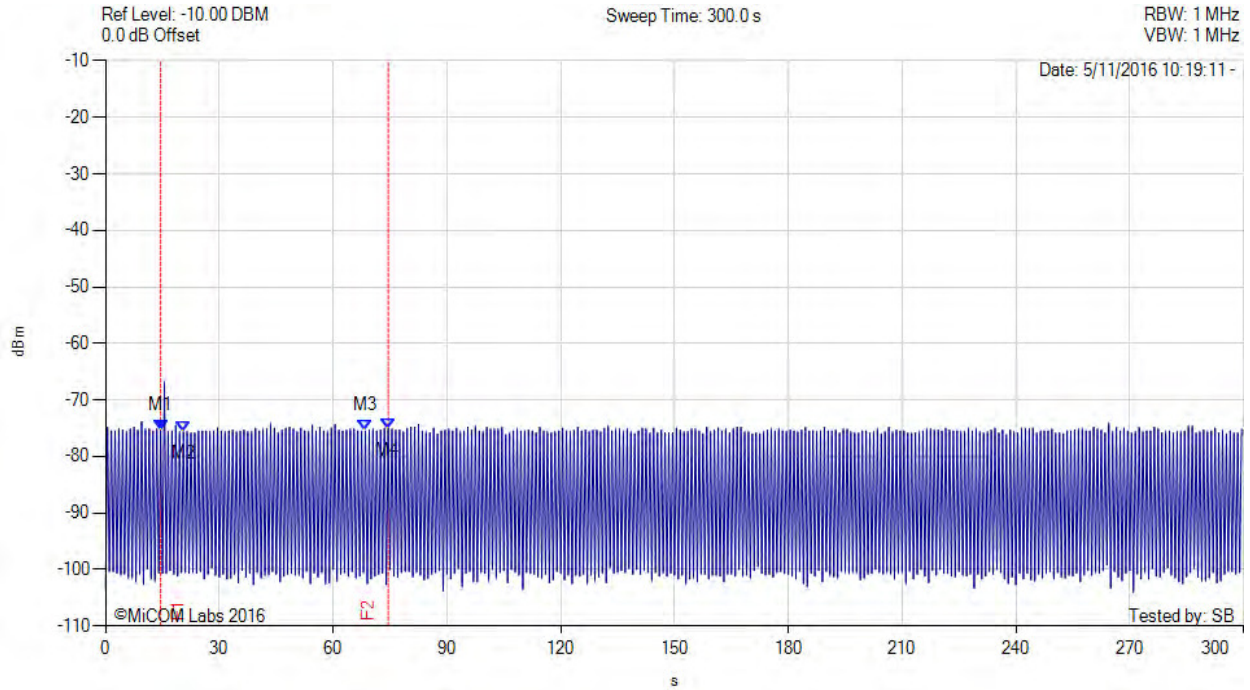
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BEGINNING CAC



Variant: 802.11a, Channel: 5500.00 MHz, Data Rate: 18 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 5.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = NRM Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5500.00 MHz) : 14.500 s : -75.500 dBm M2(5500.00 MHz) : 20.500 s : -75.660 dBm M3(5500.00 MHz) : 68.500 s : -75.500 dBm M4(5500.00 MHz) : 74.500 s : -75.160 dBm	Channel Frequency: 5500.00 MHz

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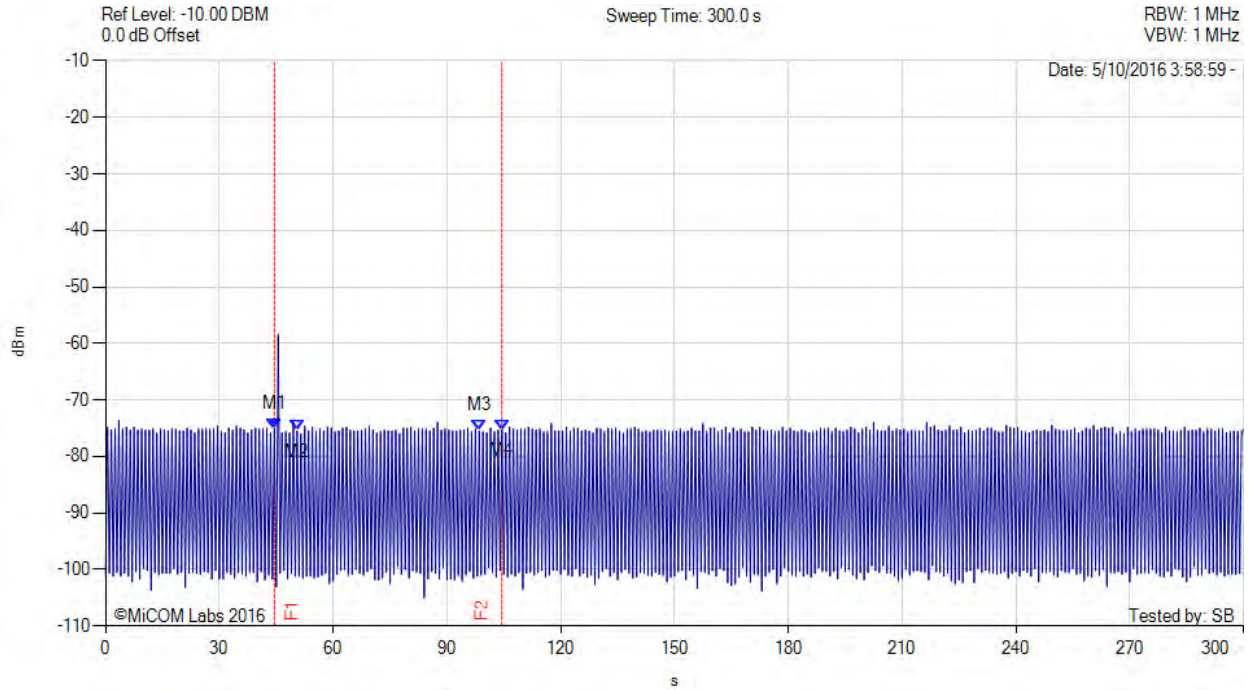


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BEGINNING CAC



Variant: 802.11ac 80, Channel: 5530.00 MHz, Data Rate: 29 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 5.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = NRM Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5530.00 MHz) : 44.500 s : -75.160 dBm M2(5530.00 MHz) : 50.500 s : -75.500 dBm M3(5530.00 MHz) : 98.500 s : -75.500 dBm M4(5530.00 MHz) : 104.500 s : -75.330 dBm	Channel Frequency: 5530.00 MHz

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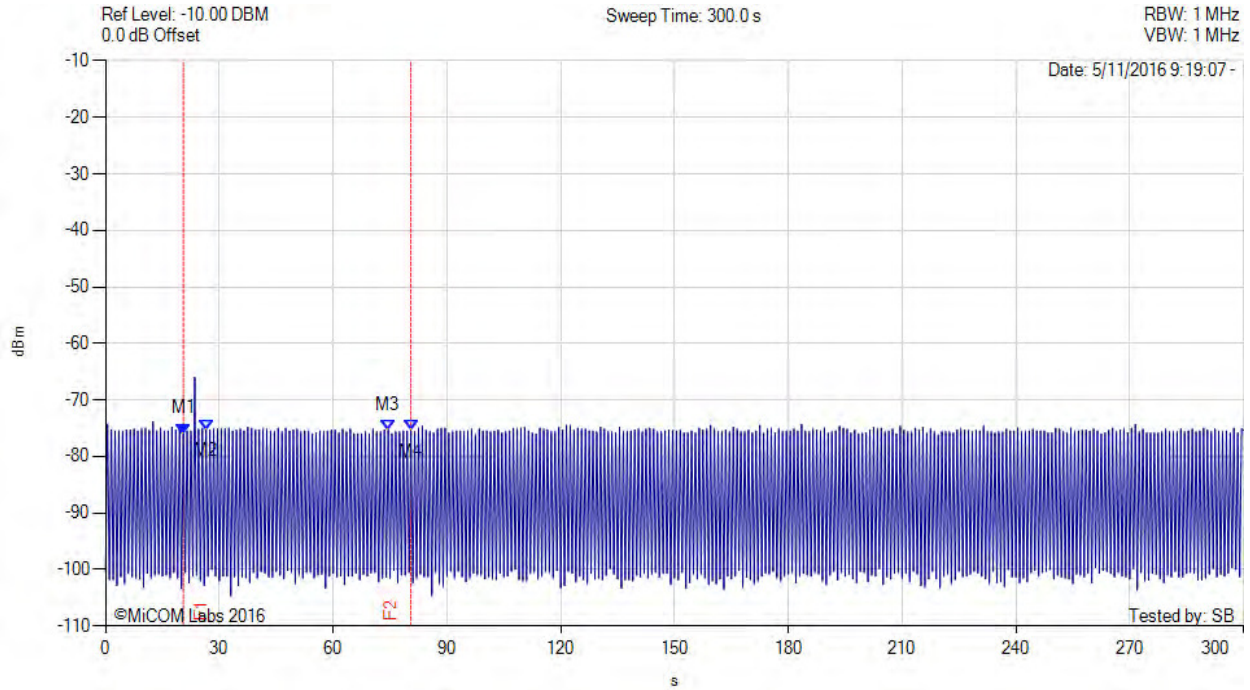


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BEGINNING CAC



Variat: 802.11n HT40, Channel: 5510.00 MHz, Data Rate: 18 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 5.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = NRM Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5510.00 MHz) : 20.500 s : -76.000 dBm M2(5510.00 MHz) : 26.500 s : -75.330 dBm M3(5510.00 MHz) : 74.500 s : -75.330 dBm M4(5510.00 MHz) : 80.500 s : -75.500 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.

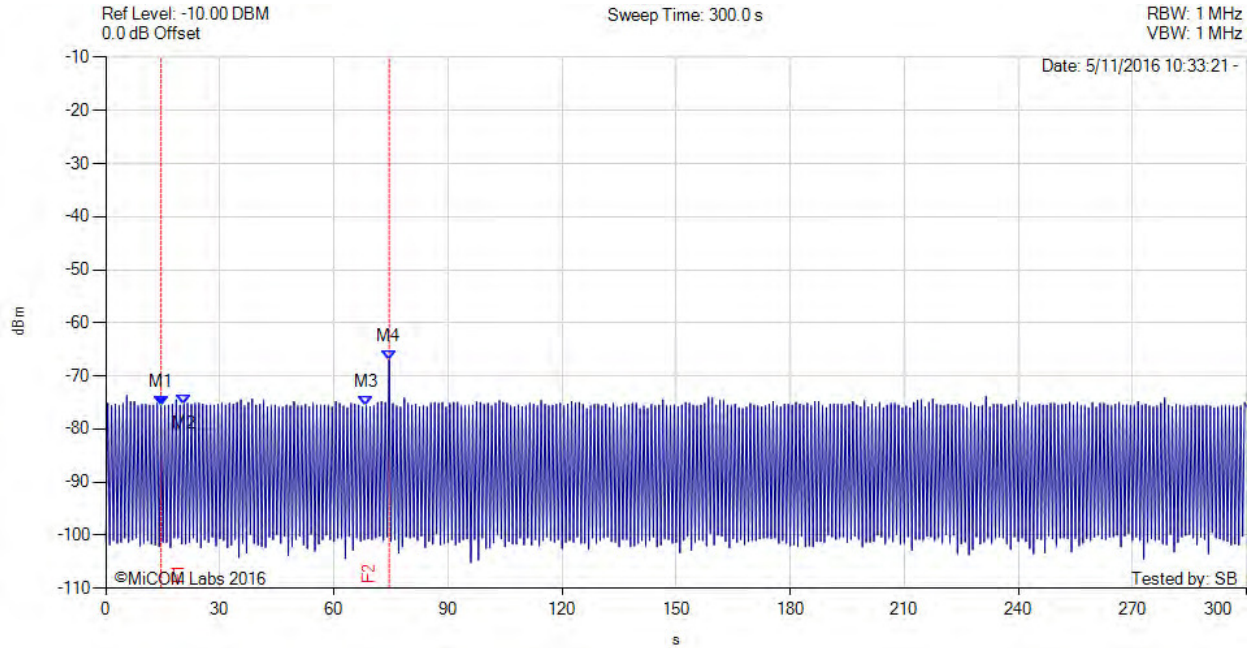
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END CAC



Variant: 802.11a, Channel: 5500.00 MHz, Data Rate: 18 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 5.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = NRM Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5500.00 MHz) : 14.500 s : -75.660 dBm M2(5500.00 MHz) : 20.500 s : -75.330 dBm M3(5500.00 MHz) : 68.500 s : -75.660 dBm M4(5500.00 MHz) : 74.500 s : -67.000 dBm	Channel Frequency: 5500.00 MHz

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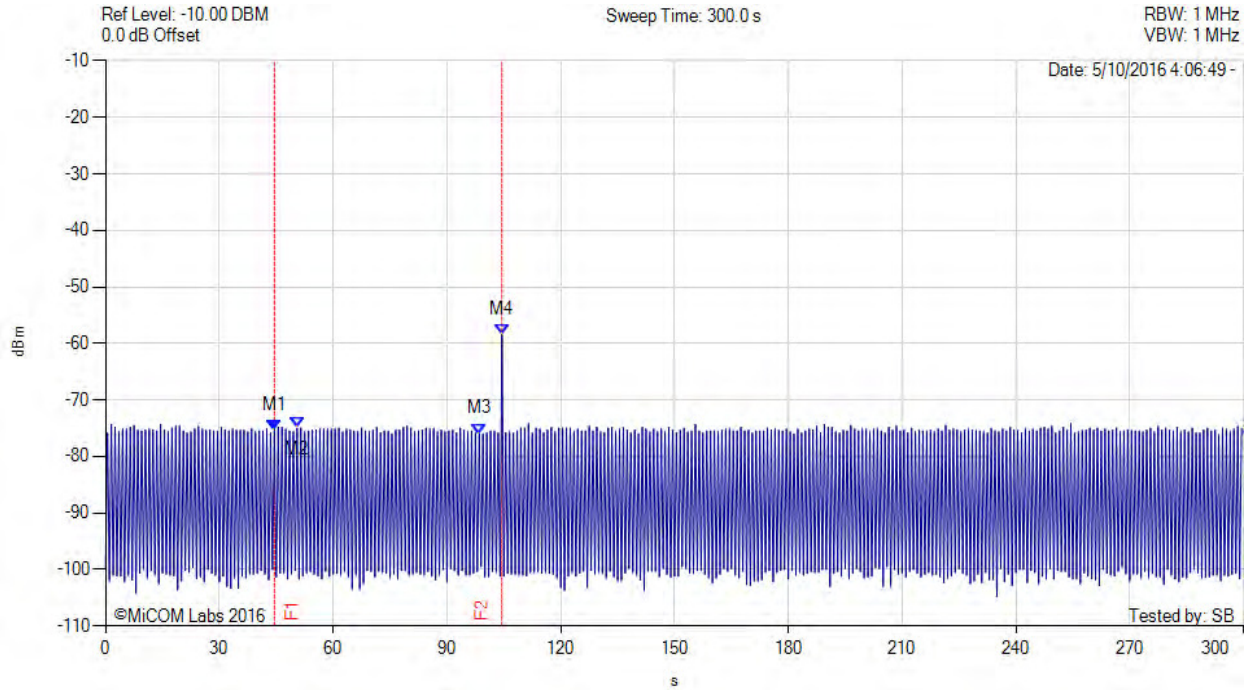


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END CAC



Variant: 802.11ac 80, Channel: 5530.00 MHz, Data Rate: 29 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 5.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = NRM Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5530.00 MHz) : 44.500 s : -75.500 dBm M2(5530.00 MHz) : 50.500 s : -75.000 dBm M3(5530.00 MHz) : 98.500 s : -76.000 dBm M4(5530.00 MHz) : 104.500 s : -58.500 dBm	Channel Frequency: 5530.00 MHz

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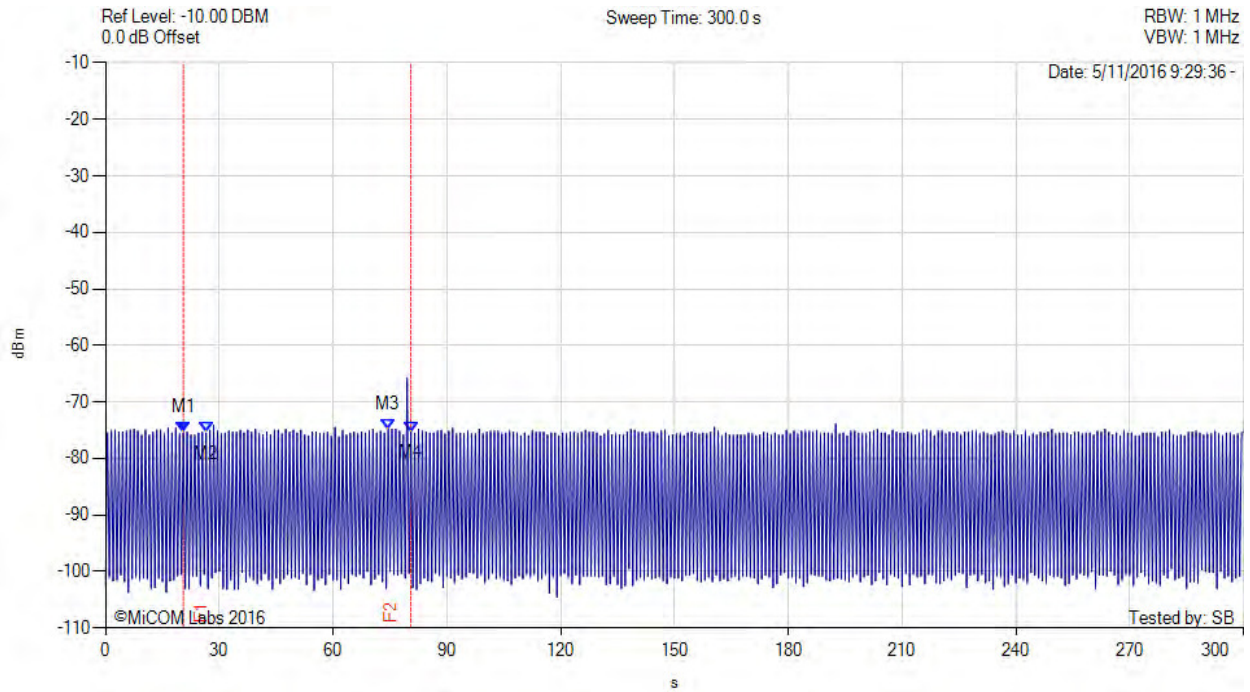


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END CAC



Variant: 802.11n HT40, Channel: 5510.00 MHz, Data Rate: 18 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 5.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = NRM Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5510.00 MHz) : 20.500 s : -75.500 dBm M2(5510.00 MHz) : 26.500 s : -75.500 dBm M3(5510.00 MHz) : 74.500 s : -74.830 dBm M4(5510.00 MHz) : 80.500 s : -75.330 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 = 1.164 mSec (limit 260 mSec)

2) Channel Move Time = 0.558053 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.

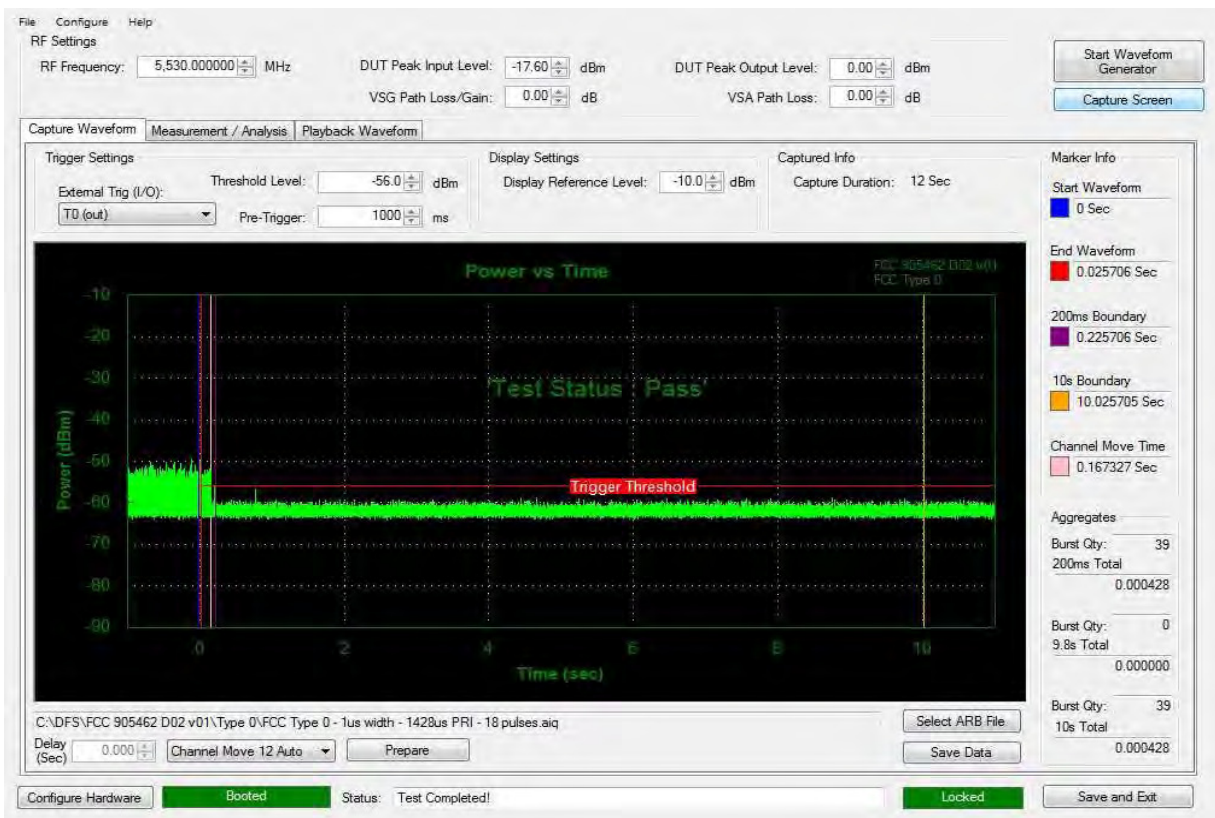
1) Channel Closing Transmission Time (limit is 260 milliseconds over 10 second period)

2) Channel Move Time (limit is 10 seconds)

1) Channel Closing Transmission Time = **0.428 mSec (limit 260 mSec)**

2) Channel Move Time = **0.167327 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 = 0.295 mSec (limit 260 mSec)

2) Channel Move Time = 0.062726 Secs (limit is 10 seconds)

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

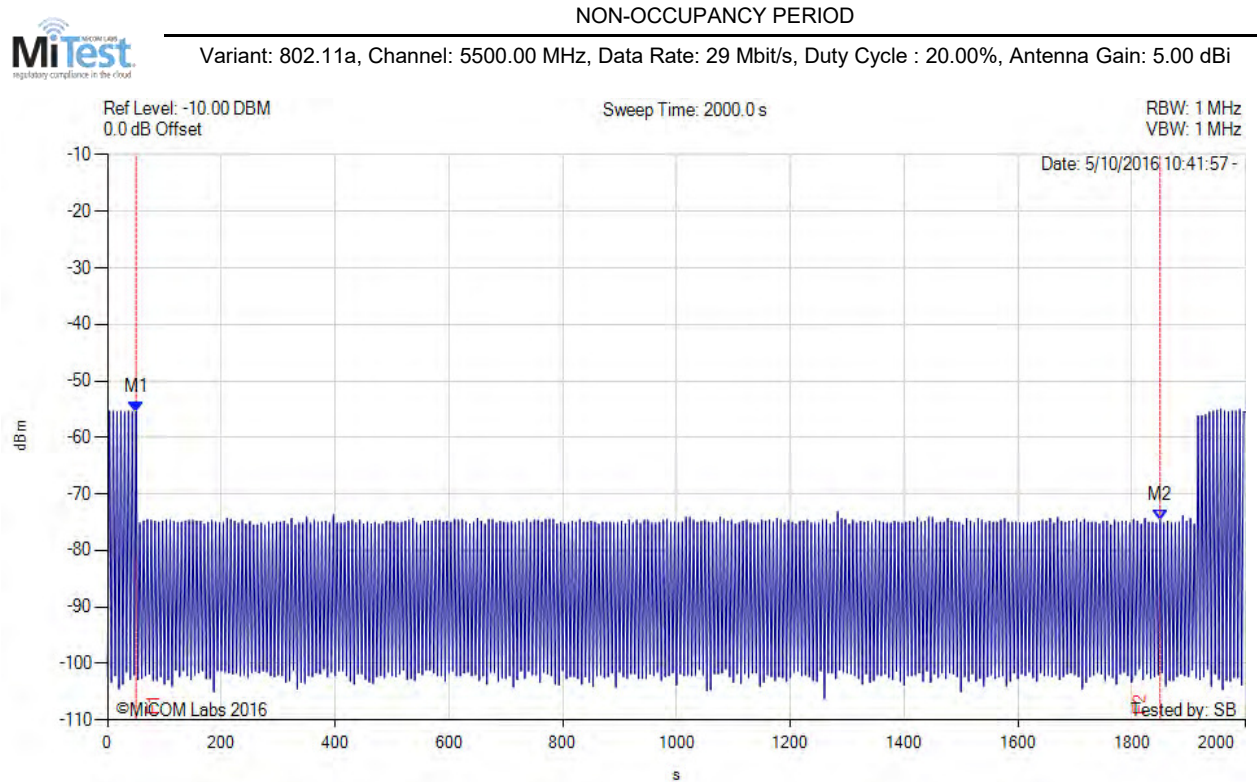


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9.1.3. Non-Occupancy Period

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 = NRM Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5500.00 MHz) : 50.000 s : -55.500 dBm M2(5500.00 MHz) : 1850.000 s : -74.660 dBm	Channel Frequency: 5500.00 MHz

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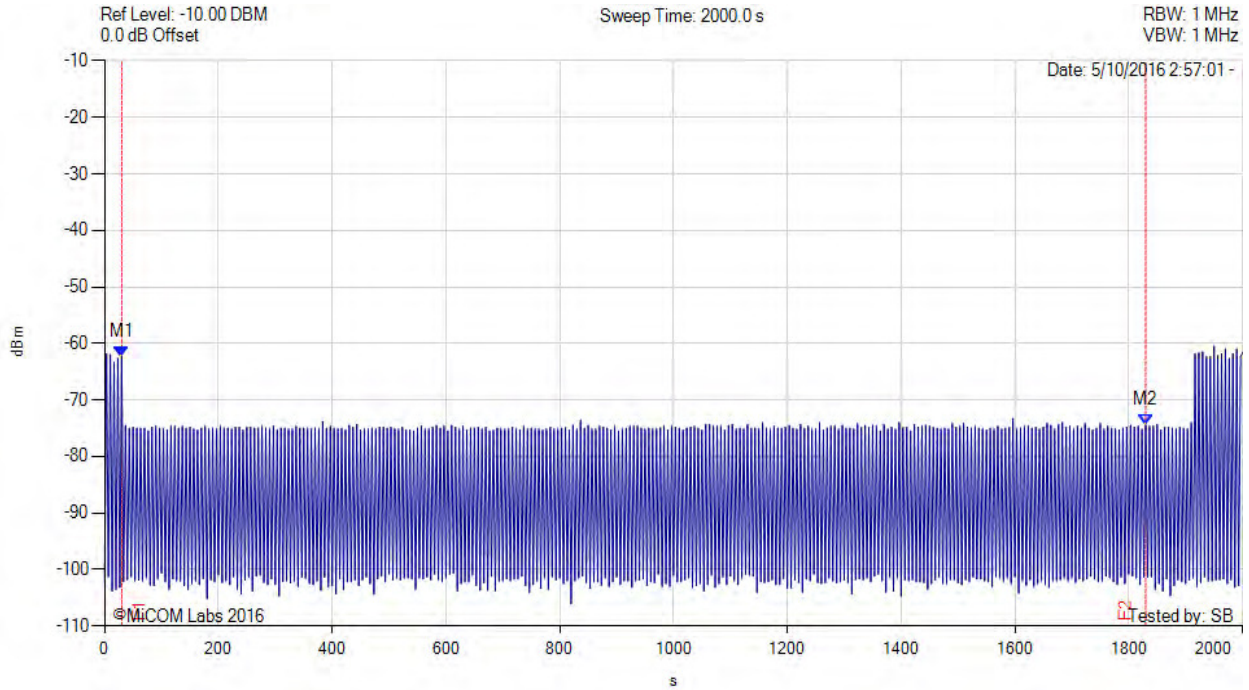


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NON-OCCUPANCY PERIOD



Variant: 802.11ac 80, Channel: 5530.00 MHz, Data Rate: 29 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 5.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = NRM Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5530.00 MHz) : 30.000 s : -62.330 dBm M2(5530.00 MHz) : 1830.000 s : -74.500 dBm	Channel Frequency: 5530.00 MHz

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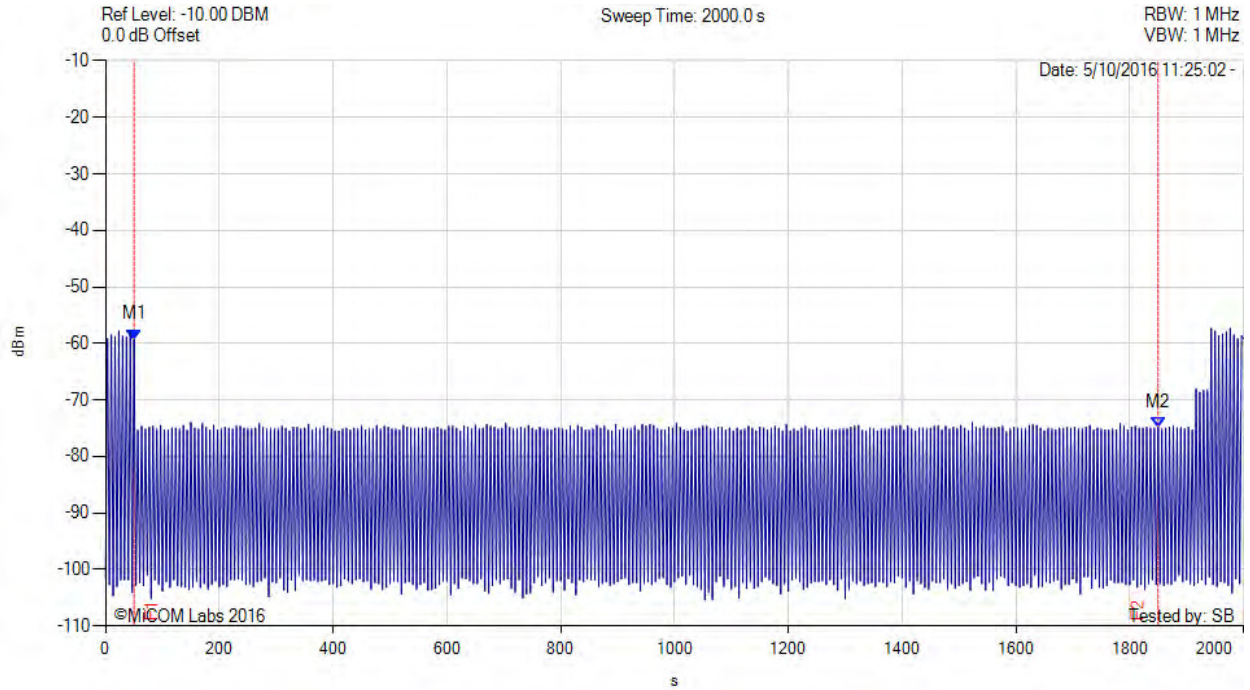


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NON-OCCUPANCY PERIOD



Variant: 802.11n HT40, Channel: 5510.00 MHz, Data Rate: 29 Mbit/s, Duty Cycle : 20.00%, Antenna Gain: 5.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = NRM Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5510.00 MHz) : 50.000 s : -59.330 dBm M2(5510.00 MHz) : 1850.000 s : -74.830 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

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



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	26	86.67%	Complies	View Data
Radar Type 1	30	30	100.00%	Complies	View Data
Radar Type 2	30	27	90.00%	Complies	View Data
Radar Type 3	30	26	86.67%	Complies	View Data
Radar Type 4	30	25	83.33%	Complies	View Data
Aggregate (100.00% + 90.00% + 86.67% + 83.33%) / 4 = 90.00%				Complies	--
Radar Type 5	30	30	100.00%	Complies	View Data
Radar Type 6	30	30	100.00%	Complies	View Data

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	View Data
Radar Type 1	30	27	90.00%	Complies	View Data
Radar Type 2	30	27	90.00%	Complies	View Data
Radar Type 3	30	28	93.33%	Complies	View Data
Radar Type 4	30	28	93.33%	Complies	View Data
Aggregate (90.00% + 90.00% + 93.33% + 93.33%) / 4 = 91.67%				Complies	--
Radar Type 5	30	26	86.67%	Complies	View Data
Radar Type 6	30	27	90.00%	Complies	View Data

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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	24	80.00%	Complies	View Data
Radar Type 1	30	28	93.33%	Complies	View Data
Radar Type 2	30	26	86.67%	Complies	View Data
Radar Type 3	30	26	86.67%	Complies	View Data
Radar Type 4	30	25	83.33%	Complies	View Data
Aggregate (93.33% + 86.67% + 86.67% + 86.33%) / 4 = 87.50%				Complies	--
Radar Type 5	30	27	90.00%	Complies	View Data
Radar Type 6	30	27	90.00%	Complies	View Data

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Equipment Configuration for Radar Type 0

Variant:	802.11a	Duty Cycle (%):	20.00
Data Rate:	18 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5500.00 MHz	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1	700	1428	18	30	26	86.67%	See Agg.
Aggregate:				30.00	26.00	86.67%	Pass

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Equipment Configuration for Radar Type 1

Variant:	802.11a	Duty Cycle (%):	20.00
Data Rate:	18 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5500.00 MHz	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1	1393	718	74	1	1	100.00%	DETECTED
1	1193	838	63	1	1	100.00%	DETECTED
1	1520	658	81	1	1	100.00%	DETECTED
1	1475	678	78	1	1	100.00%	DETECTED
1	1285	778	68	1	1	100.00%	DETECTED
1	1319	758	70	1	1	100.00%	DETECTED
1	1931	518	102	1	1	100.00%	DETECTED
1	1730	578	92	1	1	100.00%	DETECTED
1	326	3066	18	1	1	100.00%	DETECTED
1	1792	558	95	1	1	100.00%	DETECTED
1	1166	858	62	1	1	100.00%	DETECTED
1	1222	818	65	1	1	100.00%	DETECTED
1	1253	798	67	1	1	100.00%	DETECTED
1	1433	698	76	1	1	100.00%	DETECTED
1	1114	898	59	1	1	100.00%	DETECTED
1	1350	741	72	1	1	100.00%	DETECTED
1	566	1767	30	1	1	100.00%	DETECTED
1	469	2131	25	1	1	100.00%	DETECTED
1	711	1406	38	1	1	100.00%	DETECTED
1	378	2648	20	1	1	100.00%	DETECTED
1	454	2205	24	1	1	100.00%	DETECTED
1	740	1352	40	1	1	100.00%	DETECTED
1	1010	990	54	1	1	100.00%	DETECTED
1	347	2886	19	1	1	100.00%	DETECTED
1	351	2852	19	1	1	100.00%	DETECTED
1	1709	585	91	1	1	100.00%	DETECTED
1	459	2179	25	1	1	100.00%	DETECTED
1	1091	917	58	1	1	100.00%	DETECTED
1	1802	555	96	1	1	100.00%	DETECTED
1	543	1843	29	1	1	100.00%	DETECTED
Aggregate:				30.00	30.00	100.00%	Pass

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Equipment Configuration for Radar Type 2

Variant:	802.11a	Duty Cycle (%):	20.00
Data Rate:	18 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5500.00 MHz	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1	5291	189	29	1	1	100.00%	DETECTED
1.4	4566	219	27	1	1	100.00%	DETECTED
1.5	4762	210	26	1	1	100.00%	DETECTED
1.5	5556	180	28	1	1	100.00%	DETECTED
1.7	4739	211	27	1	1	100.00%	DETECTED
1.8	4587	218	26	1	1	100.00%	DETECTED
1.8	5348	187	23	1	1	100.00%	DETECTED
2.1	4425	226	28	1	1	100.00%	DETECTED
2.4	5988	167	28	1	1	100.00%	DETECTED
2.4	4673	214	25	1	1	100.00%	DETECTED
2.5	5814	172	24	1	1	100.00%	DETECTED
2.6	4673	214	23	1	1	100.00%	DETECTED
2.7	5208	192	28	1	1	100.00%	DETECTED
2.8	5848	171	23	1	1	100.00%	DETECTED
2.9	5376	186	27	1	1	100.00%	DETECTED
2.9	4854	206	28	1	1	100.00%	DETECTED
2.9	6135	163	25	1	1	100.00%	DETECTED
3.1	4630	216	27	1	1	100.00%	DETECTED
3.2	5051	198	28	1	1	100.00%	DETECTED
3.6	4525	221	24	1	1	100.00%	DETECTED
3.9	4785	209	26	1	1	100.00%	DETECTED
4.1	5464	183	24	1	1	100.00%	DETECTED
4.2	4425	226	29	1	0	0.00%	NOT DETECTED
4.4	6098	164	26	1	1	100.00%	DETECTED
4.5	4608	217	27	1	1	100.00%	DETECTED
4.7	4464	224	26	1	0	0.00%	NOT DETECTED
4.7	4902	204	25	1	1	100.00%	DETECTED
4.8	4386	228	27	1	1	100.00%	DETECTED
4.8	6579	152	23	1	1	100.00%	DETECTED
4.9	6410	156	29	1	0	0.00%	NOT DETECTED
Aggregate:				30.00	27.00	90.00%	Pass

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Equipment Configuration for Radar Type 3

Variant:	802.11a	Duty Cycle (%):	20.00
Data Rate:	18 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5500.00 MHz	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
6	2151	465	17	1	1	100.00%	DETECTED
6.1	2857	350	18	1	1	100.00%	DETECTED
6.2	3891	257	18	1	1	100.00%	DETECTED
6.6	4739	211	16	1	1	100.00%	DETECTED
6.7	2242	446	17	1	1	100.00%	DETECTED
6.7	2770	361	16	1	1	100.00%	DETECTED
6.7	2016	496	17	1	1	100.00%	DETECTED
7	2320	431	17	1	0	0.00%	NOT DETECTED
7.3	2833	353	17	1	1	100.00%	DETECTED
7.3	2801	357	17	1	1	100.00%	DETECTED
7.5	3003	333	18	1	1	100.00%	DETECTED
7.7	4673	214	16	1	1	100.00%	DETECTED
7.7	3300	303	16	1	1	100.00%	DETECTED
7.7	2151	465	16	1	0	0.00%	NOT DETECTED
7.9	2439	410	17	1	1	100.00%	DETECTED
8.1	3922	255	16	1	1	100.00%	DETECTED
8.6	3534	283	18	1	0	0.00%	NOT DETECTED
8.9	2004	499	17	1	1	100.00%	DETECTED
9	3012	332	18	1	1	100.00%	DETECTED
9.1	2577	388	16	1	1	100.00%	DETECTED
9.2	2381	420	17	1	1	100.00%	DETECTED
9.3	4255	235	17	1	1	100.00%	DETECTED
9.4	3831	261	17	1	1	100.00%	DETECTED
9.4	2212	452	18	1	1	100.00%	DETECTED
9.5	3571	280	16	1	1	100.00%	DETECTED
9.5	2809	356	18	1	1	100.00%	DETECTED
9.5	4237	236	17	1	1	100.00%	DETECTED
9.6	3155	317	18	1	0	0.00%	NOT DETECTED
9.7	2778	360	18	1	1	100.00%	DETECTED
9.9	3195	313	16	1	1	100.00%	DETECTED
Aggregate:				30.00	26.00	86.67%	Pass

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Equipment Configuration for Radar Type 4

Variant:	802.11a	Duty Cycle (%):	20.00
Data Rate:	18 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5500.00 MHz	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
11.3	2075	482	15	1	1	100.00%	DETECTED
11.3	3906	256	14	1	1	100.00%	DETECTED
11.8	2088	479	12	1	1	100.00%	DETECTED
12.1	2525	396	12	1	0	0.00%	NOT DETECTED
12.2	2283	438	12	1	1	100.00%	DETECTED
12.3	2128	470	13	1	1	100.00%	DETECTED
12.5	2710	369	16	1	1	100.00%	DETECTED
13	2445	409	16	1	1	100.00%	DETECTED
13.2	3846	260	13	1	0	0.00%	NOT DETECTED
13.7	3049	328	15	1	1	100.00%	DETECTED
13.7	2212	452	12	1	1	100.00%	DETECTED
13.8	4808	208	15	1	0	0.00%	NOT DETECTED
13.8	3597	278	14	1	0	0.00%	NOT DETECTED
13.9	4975	201	16	1	1	100.00%	DETECTED
14.7	4098	244	15	1	1	100.00%	DETECTED
14.9	2994	334	12	1	1	100.00%	DETECTED
15.6	4237	236	14	1	1	100.00%	DETECTED
15.7	2786	359	16	1	1	100.00%	DETECTED
16.8	2381	420	12	1	1	100.00%	DETECTED
17.2	2618	382	13	1	1	100.00%	DETECTED
17.3	2119	472	14	1	0	0.00%	NOT DETECTED
17.4	2247	445	13	1	1	100.00%	DETECTED
19	4566	219	16	1	1	100.00%	DETECTED
19.1	2105	475	12	1	1	100.00%	DETECTED
19.1	2632	380	12	1	1	100.00%	DETECTED
19.2	2604	384	12	1	1	100.00%	DETECTED
19.4	2475	404	16	1	1	100.00%	DETECTED
19.5	3472	288	15	1	1	100.00%	DETECTED
19.8	3125	320	15	1	1	100.00%	DETECTED
19.8	3195	313	12	1	1	100.00%	DETECTED
Aggregate:				30.00	25.00	83.33%	Pass

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Equipment Configuration for Radar Type 5

Variant:	802.11a	Duty Cycle (%):	20.00
Data Rate:	18 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5500.00 MHz	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Burst Segment	Injections	Detections	Detection Rate	Result
Type 5 #0	1	1	100.00%	DETECTED
Type 5 #1	1	1	100.00%	DETECTED
Type 5 #2	1	1	100.00%	DETECTED
Type 5 #3	1	1	100.00%	DETECTED
Type 5 #4	1	1	100.00%	DETECTED
Type 5 #5	1	1	100.00%	DETECTED
Type 5 #6	1	1	100.00%	DETECTED
Type 5 #7	1	1	100.00%	DETECTED
Type 5 #8	1	1	100.00%	DETECTED
Type 5 #9	1	1	100.00%	DETECTED
Type 5 #10	1	1	100.00%	DETECTED
Type 5 #11	1	1	100.00%	DETECTED
Type 5 #12	1	1	100.00%	DETECTED
Type 5 #13	1	1	100.00%	DETECTED
Type 5 #14	1	1	100.00%	DETECTED
Type 5 #15	1	1	100.00%	DETECTED
Type 5 #16	1	1	100.00%	DETECTED
Type 5 #17	1	1	100.00%	DETECTED
Type 5 #18	1	1	100.00%	DETECTED
Type 5 #19	1	1	100.00%	DETECTED
Type 5 #20	1	1	100.00%	DETECTED
Type 5 #21	1	1	100.00%	DETECTED
Type 5 #22	1	1	100.00%	DETECTED
Type 5 #23	1	1	100.00%	DETECTED
Type 5 #24	1	1	100.00%	DETECTED
Type 5 #25	1	1	100.00%	DETECTED
Type 5 #26	1	1	100.00%	DETECTED
Type 5 #27	1	1	100.00%	DETECTED
Type 5 #28	1	1	100.00%	DETECTED
Type 5 #29	1	1	100.00%	DETECTED
Aggregate:	30.00	30.00	100.00%	Pass

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Equipment Configuration for Radar Type 6

Variant:	802.11a	Duty Cycle (%):	20.00
Data Rate:	18 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5500.00 MHz	Tested By:	SB
Engineering Test Notes:			

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
Aggregate:	30.00	30.00	100.00%	Pass

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Equipment Configuration for Radar Type 0

Variant:	802.11ac 80	Duty Cycle (%):	20.00
Data Rate:	18 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5530.00 MHz	Tested By:	SB
Engineering Test Notes:			

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.
Aggregate:				30.00	30.00	100.00%	Pass

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Equipment Configuration for Radar Type 1

Variant:	802.11ac 80	Duty Cycle (%):	20.00
Data Rate:	18 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5530.00 MHz	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1	1393	718	74	1	1	100.00%	DETECTED
1	1193	838	63	1	1	100.00%	DETECTED
1	1520	658	81	1	1	100.00%	DETECTED
1	1475	678	78	1	1	100.00%	DETECTED
1	1285	778	68	1	1	100.00%	DETECTED
1	1319	758	70	1	1	100.00%	DETECTED
1	1931	518	102	1	1	100.00%	DETECTED
1	1730	578	92	1	1	100.00%	DETECTED
1	326	3066	18	1	1	100.00%	DETECTED
1	1792	558	95	1	1	100.00%	DETECTED
1	1166	858	62	1	1	100.00%	DETECTED
1	1222	818	65	1	1	100.00%	DETECTED
1	1253	798	67	1	1	100.00%	DETECTED
1	1433	698	76	1	1	100.00%	DETECTED
1	1114	898	59	1	1	100.00%	DETECTED
1	1350	741	72	1	1	100.00%	DETECTED
1	566	1767	30	1	1	100.00%	DETECTED
1	469	2131	25	1	1	100.00%	DETECTED
1	711	1406	38	1	0	0.00%	NOT DETECTED
1	378	2648	20	1	1	100.00%	DETECTED
1	454	2205	24	1	1	100.00%	DETECTED
1	740	1352	40	1	1	100.00%	DETECTED
1	1010	990	54	1	0	0.00%	NOT DETECTED
1	347	2886	19	1	1	100.00%	DETECTED
1	351	2852	19	1	1	100.00%	DETECTED
1	1709	585	91	1	0	0.00%	NOT DETECTED
1	459	2179	25	1	1	100.00%	DETECTED
1	1091	917	58	1	1	100.00%	DETECTED
1	1802	555	96	1	1	100.00%	DETECTED
1	543	1843	29	1	1	100.00%	DETECTED
Aggregate:				30.00	27.00	90.00%	Pass

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Equipment Configuration for Radar Type 2

Variant:	802.11ac 80	Duty Cycle (%):	20.00
Data Rate:	18 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5530.00 MHz	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1	5291	189	29	1	1	100.00%	DETECTED
1.4	4566	219	27	1	1	100.00%	DETECTED
1.5	4762	210	26	1	1	100.00%	DETECTED
1.5	5556	180	28	1	1	100.00%	DETECTED
1.7	4739	211	27	1	1	100.00%	DETECTED
1.8	4587	218	26	1	0	0.00%	NOT DETECTED
1.8	5348	187	23	1	1	100.00%	DETECTED
2.1	4425	226	28	1	1	100.00%	DETECTED
2.4	5988	167	28	1	1	100.00%	DETECTED
2.4	4673	214	25	1	1	100.00%	DETECTED
2.5	5814	172	24	1	1	100.00%	DETECTED
2.6	4673	214	23	1	1	100.00%	DETECTED
2.7	5208	192	28	1	1	100.00%	DETECTED
2.8	5848	171	23	1	1	100.00%	DETECTED
2.9	5376	186	27	1	1	100.00%	DETECTED
2.9	4854	206	28	1	1	100.00%	DETECTED
2.9	6135	163	25	1	0	0.00%	NOT DETECTED
3.1	4630	216	27	1	1	100.00%	DETECTED
3.2	5051	198	28	1	1	100.00%	DETECTED
3.6	4525	221	24	1	1	100.00%	DETECTED
3.9	4785	209	26	1	1	100.00%	DETECTED
4.1	5464	183	24	1	1	100.00%	DETECTED
4.2	4425	226	29	1	1	100.00%	DETECTED
4.4	6098	164	26	1	1	100.00%	DETECTED
4.5	4608	217	27	1	1	100.00%	DETECTED
4.7	4464	224	26	1	1	100.00%	DETECTED
4.7	4902	204	25	1	1	100.00%	DETECTED
4.8	4386	228	27	1	0	0.00%	NOT DETECTED
4.8	6579	152	23	1	1	100.00%	DETECTED
4.9	6410	156	29	1	1	100.00%	DETECTED
Aggregate:				30.00	27.00	90.00%	Pass

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Equipment Configuration for Radar Type 3

Variant:	802.11ac 80	Duty Cycle (%):	20.00
Data Rate:	18 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5530.00 MHz	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
6	2151	465	17	1	1	100.00%	DETECTED
6.1	2857	350	18	1	1	100.00%	DETECTED
6.2	3891	257	18	1	1	100.00%	DETECTED
6.6	4739	211	16	1	1	100.00%	DETECTED
6.7	2242	446	17	1	1	100.00%	DETECTED
6.7	2770	361	16	1	1	100.00%	DETECTED
6.7	2016	496	17	1	0	0.00%	NOT DETECTED
7	2320	431	17	1	1	100.00%	DETECTED
7.3	2833	353	17	1	1	100.00%	DETECTED
7.3	2801	357	17	1	1	100.00%	DETECTED
7.5	3003	333	18	1	1	100.00%	DETECTED
7.7	4673	214	16	1	1	100.00%	DETECTED
7.7	3300	303	16	1	0	0.00%	NOT DETECTED
7.7	2151	465	16	1	1	100.00%	DETECTED
7.9	2439	410	17	1	1	100.00%	DETECTED
8.1	3922	255	16	1	1	100.00%	DETECTED
8.6	3534	283	18	1	1	100.00%	DETECTED
8.9	2004	499	17	1	1	100.00%	DETECTED
9	3012	332	18	1	1	100.00%	DETECTED
9.1	2577	388	16	1	1	100.00%	DETECTED
9.2	2381	420	17	1	1	100.00%	DETECTED
9.3	4255	235	17	1	1	100.00%	DETECTED
9.4	3831	261	17	1	1	100.00%	DETECTED
9.4	2212	452	18	1	1	100.00%	DETECTED
9.5	3571	280	16	1	1	100.00%	DETECTED
9.5	2809	356	18	1	1	100.00%	DETECTED
9.5	4237	236	17	1	1	100.00%	DETECTED
9.6	3155	317	18	1	1	100.00%	DETECTED
9.7	2778	360	18	1	1	100.00%	DETECTED
9.9	3195	313	16	1	1	100.00%	DETECTED
Aggregate:				30.00	28.00	93.33%	Pass

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Equipment Configuration for Radar Type 4

Variant:	802.11ac 80	Duty Cycle (%):	20.00
Data Rate:	18 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5530.00 MHz	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
11.3	2075	482	15	1	1	100.00%	DETECTED
11.3	3906	256	14	1	1	100.00%	DETECTED
11.8	2088	479	12	1	1	100.00%	DETECTED
12.1	2525	396	12	1	1	100.00%	DETECTED
12.2	2283	438	12	1	1	100.00%	DETECTED
12.3	2128	470	13	1	0	0.00%	NOT DETECTED
12.5	2710	369	16	1	1	100.00%	DETECTED
13	2445	409	16	1	1	100.00%	DETECTED
13.2	3846	260	13	1	1	100.00%	DETECTED
13.7	3049	328	15	1	1	100.00%	DETECTED
13.7	2212	452	12	1	1	100.00%	DETECTED
13.8	4808	208	15	1	1	100.00%	DETECTED
13.8	3597	278	14	1	1	100.00%	DETECTED
13.9	4975	201	16	1	1	100.00%	DETECTED
14.7	4098	244	15	1	1	100.00%	DETECTED
14.9	2994	334	12	1	1	100.00%	DETECTED
15.6	4237	236	14	1	1	100.00%	DETECTED
15.7	2786	359	16	1	1	100.00%	DETECTED
16.8	2381	420	12	1	0	0.00%	NOT DETECTED
17.2	2618	382	13	1	1	100.00%	DETECTED
17.3	2119	472	14	1	1	100.00%	DETECTED
17.4	2247	445	13	1	1	100.00%	DETECTED
19	4566	219	16	1	1	100.00%	DETECTED
19.1	2105	475	12	1	1	100.00%	DETECTED
19.1	2632	380	12	1	1	100.00%	DETECTED
19.2	2604	384	12	1	1	100.00%	DETECTED
19.4	2475	404	16	1	1	100.00%	DETECTED
19.5	3472	288	15	1	1	100.00%	DETECTED
19.8	3125	320	15	1	1	100.00%	DETECTED
19.8	3195	313	12	1	1	100.00%	DETECTED
Aggregate:				30.00	28.00	93.33%	Pass

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Equipment Configuration for Radar Type 5

Variant:	802.11ac 80	Duty Cycle (%):	20.00
Data Rate:	29 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5530.00 MHz	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Burst Segment	Injections	Detections	Detection Rate	Result
Type 5 #0	1	1	100.00%	DETECTED
Type 5 #1	1	0	0.00%	NOT DETECTED
Type 5 #2	1	1	100.00%	DETECTED
Type 5 #3	1	1	100.00%	DETECTED
Type 5 #4	1	1	100.00%	DETECTED
Type 5 #5	1	1	100.00%	DETECTED
Type 5 #6	1	1	100.00%	DETECTED
Type 5 #7	1	1	100.00%	DETECTED
Type 5 #8	1	1	100.00%	DETECTED
Type 5 #9	1	1	100.00%	DETECTED
Type 5 #10	1	1	100.00%	DETECTED
Type 5 #11	1	1	100.00%	DETECTED
Type 5 #12	1	1	100.00%	DETECTED
Type 5 #13	1	1	100.00%	DETECTED
Type 5 #14	1	1	100.00%	DETECTED
Type 5 #15	1	1	100.00%	DETECTED
Type 5 #16	1	1	100.00%	DETECTED
Type 5 #17	1	1	100.00%	DETECTED
Type 5 #18	1	1	100.00%	DETECTED
Type 5 #19	1	1	100.00%	DETECTED
Type 5 #20	1	1	100.00%	DETECTED
Type 5 #21	1	1	100.00%	DETECTED
Type 5 #22	1	1	100.00%	DETECTED
Type 5 #23	1	0	0.00%	NOT DETECTED
Type 5 #24	1	1	100.00%	DETECTED
Type 5 #25	1	1	100.00%	DETECTED
Type 5 #26	1	0	0.00%	NOT DETECTED
Type 5 #27	1	1	100.00%	DETECTED
Type 5 #28	1	1	100.00%	DETECTED
Type 5 #29	1	0	0.00%	NOT DETECTED
Aggregate:	30.00	26.00	86.67%	Pass

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Equipment Configuration for Radar Type 6

Variant:	802.11ac 80	Duty Cycle (%):	20.00
Data Rate:	29 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5530.00 MHz	Tested By:	SB
Engineering Test Notes:			

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	0	0.00%	NOT 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	0	0.00%	NOT DETECTED
Type 6 #16	1	1	100.00%	DETECTED
Type 6 #17	1	0	0.00%	NOT 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
Aggregate:	30.00	27.00	90.00%	Pass

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Equipment Configuration for Radar Type 0

Variant:	802.11n HT40	Duty Cycle (%):	20.00
Data Rate:	18 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5510.00 MHz	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1	700	1428	18	30	24	80.00%	See Agg.
Aggregate:				30.00	24.00	80.00%	Pass

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Equipment Configuration for Radar Type 1

Variant:	802.11n HT40	Duty Cycle (%):	20.00
Data Rate:	18 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5510.00 MHz	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1	1393	718	74	1	1	100.00%	DETECTED
1	1193	838	63	1	1	100.00%	DETECTED
1	1520	658	81	1	1	100.00%	DETECTED
1	1475	678	78	1	1	100.00%	DETECTED
1	1285	778	68	1	1	100.00%	DETECTED
1	1319	758	70	1	1	100.00%	DETECTED
1	1931	518	102	1	1	100.00%	DETECTED
1	1730	578	92	1	1	100.00%	DETECTED
1	326	3066	18	1	1	100.00%	DETECTED
1	1792	558	95	1	1	100.00%	DETECTED
1	1166	858	62	1	1	100.00%	DETECTED
1	1222	818	65	1	1	100.00%	DETECTED
1	1253	798	67	1	1	100.00%	DETECTED
1	1433	698	76	1	1	100.00%	DETECTED
1	1114	898	59	1	1	100.00%	DETECTED
1	1350	741	72	1	1	100.00%	DETECTED
1	566	1767	30	1	1	100.00%	DETECTED
1	469	2131	25	1	1	100.00%	DETECTED
1	711	1406	38	1	0	0.00%	NOT DETECTED
1	378	2648	20	1	1	100.00%	DETECTED
1	454	2205	24	1	1	100.00%	DETECTED
1	740	1352	40	1	1	100.00%	DETECTED
1	1010	990	54	1	1	100.00%	DETECTED
1	347	2886	19	1	0	0.00%	NOT DETECTED
1	351	2852	19	1	1	100.00%	DETECTED
1	1709	585	91	1	1	100.00%	DETECTED
1	459	2179	25	1	1	100.00%	DETECTED
1	1091	917	58	1	1	100.00%	DETECTED
1	1802	555	96	1	1	100.00%	DETECTED
1	543	1843	29	1	1	100.00%	DETECTED
Aggregate:				30.00	28.00	93.33%	Pass

Equipment Configuration for Radar Type 2

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Variants:	802.11n HT40	Duty Cycle (%):	20.00
Data Rate:	18 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5510.00 MHz	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1	5291	189	29	1	1	100.00%	DETECTED
1.4	4566	219	27	1	1	100.00%	DETECTED
1.5	4762	210	26	1	1	100.00%	DETECTED
1.5	5556	180	28	1	1	100.00%	DETECTED
1.7	4739	211	27	1	1	100.00%	DETECTED
1.8	4587	218	26	1	1	100.00%	DETECTED
1.8	5348	187	23	1	0	0.00%	NOT DETECTED
2.1	4425	226	28	1	0	0.00%	NOT DETECTED
2.4	5988	167	28	1	1	100.00%	DETECTED
2.4	4673	214	25	1	1	100.00%	DETECTED
2.5	5814	172	24	1	1	100.00%	DETECTED
2.6	4673	214	23	1	1	100.00%	DETECTED
2.7	5208	192	28	1	1	100.00%	DETECTED
2.8	5848	171	23	1	1	100.00%	DETECTED
2.9	5376	186	27	1	0	0.00%	NOT DETECTED
2.9	4854	206	28	1	1	100.00%	DETECTED
2.9	6135	163	25	1	1	100.00%	DETECTED
3.1	4630	216	27	1	1	100.00%	DETECTED
3.2	5051	198	28	1	1	100.00%	DETECTED
3.6	4525	221	24	1	1	100.00%	DETECTED
3.9	4785	209	26	1	1	100.00%	DETECTED
4.1	5464	183	24	1	1	100.00%	DETECTED
4.2	4425	226	29	1	1	100.00%	DETECTED
4.4	6098	164	26	1	1	100.00%	DETECTED
4.5	4608	217	27	1	1	100.00%	DETECTED
4.7	4464	224	26	1	1	100.00%	DETECTED
4.7	4902	204	25	1	1	100.00%	DETECTED
4.8	4386	228	27	1	1	100.00%	DETECTED
4.8	6579	152	23	1	1	100.00%	DETECTED
4.9	6410	156	29	1	0	0.00%	NOT DETECTED
Aggregate:				30.00	26.00	86.67%	Pass
Equipment Configuration for Radar Type 3							

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Variant:	802.11n HT40	Duty Cycle (%):	20.00
Data Rate:	18 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5510.00 MHz	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
6	2151	465	17	1	1	100.00%	DETECTED
6.1	2857	350	18	1	1	100.00%	DETECTED
6.2	3891	257	18	1	1	100.00%	DETECTED
6.6	4739	211	16	1	0	0.00%	NOT DETECTED
6.7	2242	446	17	1	1	100.00%	DETECTED
6.7	2770	361	16	1	1	100.00%	DETECTED
6.7	2016	496	17	1	1	100.00%	DETECTED
7	2320	431	17	1	1	100.00%	DETECTED
7.3	2833	353	17	1	1	100.00%	DETECTED
7.3	2801	357	17	1	1	100.00%	DETECTED
7.5	3003	333	18	1	1	100.00%	DETECTED
7.7	4673	214	16	1	1	100.00%	DETECTED
7.7	3300	303	16	1	1	100.00%	DETECTED
7.7	2151	465	16	1	0	0.00%	NOT DETECTED
7.9	2439	410	17	1	0	0.00%	NOT DETECTED
8.1	3922	255	16	1	1	100.00%	DETECTED
8.6	3534	283	18	1	1	100.00%	DETECTED
8.9	2004	499	17	1	1	100.00%	DETECTED
9	3012	332	18	1	1	100.00%	DETECTED
9.1	2577	388	16	1	1	100.00%	DETECTED
9.2	2381	420	17	1	1	100.00%	DETECTED
9.3	4255	235	17	1	1	100.00%	DETECTED
9.4	3831	261	17	1	1	100.00%	DETECTED
9.4	2212	452	18	1	1	100.00%	DETECTED
9.5	3571	280	16	1	1	100.00%	DETECTED
9.5	2809	356	18	1	1	100.00%	DETECTED
9.5	4237	236	17	1	1	100.00%	DETECTED
9.6	3155	317	18	1	1	100.00%	DETECTED
9.7	2778	360	18	1	0	0.00%	NOT DETECTED
9.9	3195	313	16	1	1	100.00%	DETECTED
Aggregate:				30.00	26.00	86.67%	Pass
Equipment Configuration for Radar Type 4							

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Variant:	802.11n HT40	Duty Cycle (%):	20.00
Data Rate:	18 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5510.00 MHz	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
11.3	2075	482	15	1	1	100.00%	DETECTED
11.3	3906	256	14	1	1	100.00%	DETECTED
11.8	2088	479	12	1	1	100.00%	DETECTED
12.1	2525	396	12	1	1	100.00%	DETECTED
12.2	2283	438	12	1	0	0.00%	NOT DETECTED
12.3	2128	470	13	1	1	100.00%	DETECTED
12.5	2710	369	16	1	1	100.00%	DETECTED
13	2445	409	16	1	1	100.00%	DETECTED
13.2	3846	260	13	1	1	100.00%	DETECTED
13.7	3049	328	15	1	1	100.00%	DETECTED
13.7	2212	452	12	1	0	0.00%	NOT DETECTED
13.8	4808	208	15	1	1	100.00%	DETECTED
13.8	3597	278	14	1	1	100.00%	DETECTED
13.9	4975	201	16	1	0	0.00%	NOT DETECTED
14.7	4098	244	15	1	1	100.00%	DETECTED
14.9	2994	334	12	1	1	100.00%	DETECTED
15.6	4237	236	14	1	1	100.00%	DETECTED
15.7	2786	359	16	1	1	100.00%	DETECTED
16.8	2381	420	12	1	1	100.00%	DETECTED
17.2	2618	382	13	1	1	100.00%	DETECTED
17.3	2119	472	14	1	1	100.00%	DETECTED
17.4	2247	445	13	1	1	100.00%	DETECTED
19	4566	219	16	1	1	100.00%	DETECTED
19.1	2105	475	12	1	1	100.00%	DETECTED
19.1	2632	380	12	1	1	100.00%	DETECTED
19.2	2604	384	12	1	0	0.00%	NOT DETECTED
19.4	2475	404	16	1	0	0.00%	NOT DETECTED
19.5	3472	288	15	1	1	100.00%	DETECTED
19.8	3125	320	15	1	1	100.00%	DETECTED
19.8	3195	313	12	1	1	100.00%	DETECTED
Aggregate:				30.00	25.00	83.33%	Pass

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Equipment Configuration for Radar Type 5

Variant:	802.11n HT40	Duty Cycle (%):	20.00
Data Rate:	13.5 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5510.00 MHz	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Burst Segment	Injections	Detections	Detection Rate	Result
Type 5 #0 5290.00	1	1	100.00%	DETECTED
Type 5 #1 5290.00	1	0	0.00%	NOT DETECTED
Type 5 #2 5270.00	1	1	100.00%	DETECTED
Type 5 #3 5250.00	1	1	100.00%	DETECTED
Type 5 #4 5270.00	1	1	100.00%	DETECTED
Type 5 #5 5250.00	1	1	100.00%	DETECTED
Type 5 #6 5290.00	1	1	100.00%	DETECTED
Type 5 #7 5270.00	1	0	0.00%	NOT DETECTED
Type 5 #8 5250.00	1	1	100.00%	DETECTED
Type 5 #9 5290.00	1	1	100.00%	DETECTED
Type 5 #10 5270.00	1	1	100.00%	DETECTED
Type 5 #11 5270.00	1	1	100.00%	DETECTED
Type 5 #12 5250.00	1	1	100.00%	DETECTED
Type 5 #13 5290.00	1	1	100.00%	DETECTED
Type 5 #14 5290.00	1	1	100.00%	DETECTED
Type 5 #15 5250.00	1	1	100.00%	DETECTED
Type 5 #16 5250.00	1	1	100.00%	DETECTED
Type 5 #17 5270.00	1	1	100.00%	DETECTED
Type 5 #18 5250.00	1	1	100.00%	DETECTED
Type 5 #19 5250.00	1	1	100.00%	DETECTED
Type 5 #20 5250.00	1	1	100.00%	DETECTED
Type 5 #21 5270.00	1	1	100.00%	DETECTED
Type 5 #22 5270.00	1	1	100.00%	DETECTED
Type 5 #23 5270.00	1	1	100.00%	DETECTED
Type 5 #24 5250.00	1	1	100.00%	DETECTED
Type 5 #25 5290.00	1	1	100.00%	DETECTED
Type 5 #26 5290.00	1	1	100.00%	DETECTED
Type 5 #27 5270.00	1	0	0.00%	NOT DETECTED
Type 5 #28 5290.00	1	1	100.00%	DETECTED
Type 5 #29 5290.00	1	1	100.00%	DETECTED
Aggregate:	30.00	27.00	90.00%	Pass

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Equipment Configuration for Radar Type 6

Variant:	802.11n HT40	Duty Cycle (%):	20.00
Data Rate:	13.5 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5510.00 MHz	Tested By:	SB
Engineering Test Notes:			

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	0	0.00%	NOT 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	0	0.00%	NOT 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	0	0.00%	NOT DETECTED
Type 6 #29	1	1	100.00%	DETECTED
Type 6 #30	1	1	100.00%	DETECTED
Aggregate:	30.00	27.00	90.00%	Pass

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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 1 MHz steps, repeating the above test sequence, until the detection rate falls below 90%. The highest frequency at which detection is greater than or equal to 90% is denoted as FH. Note for the higher bandwidths ac-80 etc the 1 MHz step size can be increased.

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

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

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

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Equipment Configuration for Detection Bandwidth

Variant:	802.11a	Duty Cycle (%):	20.00
Data Rate:	18 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5500.00 MHz	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Frequency	Injections	Detections	Detection Rate	Result
5490 MHz	3	1	33.33%	Not Detected
5491 MHz	10	10	100.00%	Detected
5492 MHz	10	10	100.00%	Detected
5493 MHz	10	10	100.00%	Detected
5494 MHz	10	10	100.00%	Detected
5495 MHz	10	10	100.00%	Detected
5500	10	10	100.00%	Detected
5505 MHz	10	10	100.00%	Detected
5506 MHz	10	10	100.00%	Detected
5507 MHz	10	10	100.00%	Detected
5508 MHz	10	10	100.00%	Detected
5509 MHz	10	10	100.00%	Detected
5510 MHz	6	2	33.33%	Not Detected

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Equipment Configuration for Detection Bandwidth

Variant:	802.11ac 80	Duty Cycle (%):	20.00
Data Rate:	29 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5530.00 MHz	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Frequency	Injections	Detections	Detection Rate	Result
5490 MHz	7	3	42.86%	Not Detected
5491 MHz	10	10	100.00%	Detected
5492 MHz	10	10	100.00%	Detected
5493 MHz	10	10	100.00%	Detected
5494 MHz	10	10	100.00%	Detected
5495 MHz	10	10	100.00%	Detected
5500 MHz	10	10	100.00%	Detected
5505 MHz	10	10	100.00%	Detected
5510 MHz	10	10	100.00%	Detected
5515 MHz	10	10	100.00%	Detected
5520 MHz	10	10	100.00%	Detected
5525 MHz	10	10	100.00%	Detected
5530	10	10	100.00%	Detected
5535 MHz	10	10	100.00%	Detected
5540 MHz	10	10	100.00%	Detected
5545 MHz	10	10	100.00%	Detected
5550 MHz	10	10	100.00%	Detected
5555 MHz	10	10	100.00%	Detected
5560 MHz	10	10	100.00%	Detected
5565 MHz	10	10	100.00%	Detected
5566 MHz	10	10	100.00%	Detected
5567 MHz	10	10	100.00%	Detected
5568 MHz	10	10	100.00%	Detected
5569 MHz	10	9	90.00%	Detected
5570 MHz	10	4	40.00%	Not Detected

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Equipment Configuration for Detection Bandwidth

Variant:	802.11n HT40	Duty Cycle (%):	20.00
Data Rate:	13 Mbit/s	Antenna Gain (dBi):	5.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5510.00 MHz	Tested By:	SB
Engineering Test Notes:			

Test Measurement Results

Frequency	Injections	Detections	Detection Rate	Result
5490 MHz	4	1	25.00%	Not Detected
5491 MHz	10	10	100.00%	Detected
5492 MHz	10	10	100.00%	Detected
5493 MHz	10	10	100.00%	Detected
5494 MHz	10	10	100.00%	Detected
5495 MHz	10	10	100.00%	Detected
5500 MHz	10	10	100.00%	Detected
5505 MHz	10	10	100.00%	Detected
5510	10	10	100.00%	Detected
5515 MHz	10	10	100.00%	Detected
5520 MHz	10	10	100.00%	Detected
5525 MHz	10	10	100.00%	Detected
5526 MHz	10	10	100.00%	Detected
5527 MHz	10	10	100.00%	Detected
5528 MHz	10	10	100.00%	Detected
5529 MHz	10	10	100.00%	Detected
5530 MHz	3	1	33.33%	Not Detected

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A. APPENDIX – RADAR SIGNATURES

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Type 5 #0 [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	9	79275	65	1128	1461	623823	705882
2	1	19	386394	56	0	0	319432	705882
3	1	7	175567	59	0	0	530256	705882
4	1	19	260754	66	0	0	445062	705882
5	1	14	429282	83	0	0	276517	705882
6	2	7	503148	65	1146	0	201458	705882
7	2	14	116995	88	1423	0	587288	705882
8	1	19	470030	60	0	0	235792	705882
9	3	13	226323	59	1867	1074	476441	705882
10	1	6	671864	53	0	0	33965	705882
11	2	13	354530	95	1389	0	349773	705882
12	1	12	92398	73	0	0	613411	705882
13	1	20	4496	90	0	0	701296	705882
14	1	14	272300	70	0	0	433512	705882
15	1	18	653257	51	0	0	52574	705882
16	3	12	580321	68	1540	1637	122180	705882
17	2	9	310978	76	1504	0	393248	705882

Type 5 #1 [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	1096696	79	0	0	103225	1200000
2	1	8	840003	53	0	0	359944	1200000
3	3	16	209751	53	1816	1720	986554	1200000
4	1	13	1123431	76	0	0	76493	1200000
5	3	9	639981	51	975	1628	557263	1200000
6	1	17	530863	94	0	0	669043	1200000
7	1	18	714949	97	0	0	484954	1200000
8	2	17	687060	88	1651	0	511113	1200000
9	3	9	137421	56	1737	1085	1059589	1200000
10	3	15	715736	82	1753	1448	480817	1200000

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Type 5 #2 [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	138717	67	1344	1849	524555	666666
2	3	18	531523	64	1322	1200	132429	666666
3	2	8	341529	94	1028	0	323921	666666
4	1	12	635399	70	0	0	31197	666666
5	3	12	605466	91	1147	1039	58741	666666
6	3	11	560807	95	946	1174	103454	666666
7	1	13	487437	98	0	0	179131	666666
8	3	13	542056	93	1747	1190	121394	666666
9	3	20	440725	100	1466	1136	223039	666666
10	2	18	72407	55	1070	0	593079	666666
11	3	13	521306	56	1344	1117	142731	666666
12	1	11	294884	55	0	0	371727	666666
13	2	20	614710	100	1166	0	50590	666666
14	3	14	430833	69	1090	1774	232762	666666
15	3	6	375140	52	1426	1193	288751	666666
16	3	11	95536	56	1251	1159	568552	666666
17	3	18	511960	72	1914	1259	151317	666666
18	1	16	593902	63	0	0	72701	666666

Type 5 #3 [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	5	312252	100	1199	0	686349	1000000
2	3	13	458181	56	1611	1226	538814	1000000
3	1	12	921390	54	0	0	78556	1000000
4	3	14	134698	61	1910	944	862265	1000000
5	1	8	818998	93	0	0	180909	1000000
6	1	5	796496	86	0	0	203418	1000000
7	1	19	779477	79	0	0	220444	1000000
8	2	12	265635	84	1125	0	733072	1000000
9	2	9	548099	58	1703	0	450082	1000000
10	3	9	408742	64	1687	1470	587909	1000000
11	3	15	238658	93	1674	1793	757596	1000000
12	1	18	479982	57	0	0	519961	1000000

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Type 5 #4 [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	16	684850	53	0	0	515097	1200000
2	3	11	520346	77	1340	1691	676392	1200000
3	3	9	447499	98	1700	1643	748864	1200000
4	2	20	408244	100	1463	0	790093	1200000
5	1	20	302059	83	0	0	897858	1200000
6	3	19	414320	57	1368	1364	782777	1200000
7	2	7	243927	90	1845	0	954048	1200000
8	1	7	873737	99	0	0	326164	1200000
9	3	17	1065080	67	1909	1059	131751	1200000
10	2	7	817255	99	1767	0	380780	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	3	19	1061092	96	957	1315	269681	1333333
2	1	11	690100	89	0	0	643144	1333333
3	3	6	159073	67	1257	1101	1171701	1333333
4	3	10	288261	77	1525	1755	1041561	1333333
5	3	11	481138	50	1625	1777	848643	1333333
6	2	16	984580	59	1501	0	347134	1333333
7	1	18	347005	76	0	0	986252	1333333
8	3	8	433508	90	1570	1301	896684	1333333
9	1	11	1182089	67	0	0	151177	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	3	6	53193	63	1544	1440	610300	666666
2	1	8	582486	83	0	0	84097	666666
3	2	20	139942	87	1871	0	524679	666666
4	1	11	404539	89	0	0	262038	666666
5	3	9	493699	90	1770	1893	169034	666666
6	1	12	593825	98	0	0	72743	666666
7	2	20	16687	83	1705	0	648108	666666
8	2	6	38010	65	1077	0	627449	666666
9	2	18	256938	94	1578	0	407962	666666
10	1	8	468084	52	0	0	198530	666666
11	1	13	607439	55	0	0	59172	666666
12	3	5	81001	100	1323	1302	582740	666666
13	3	7	533688	68	1811	1695	129268	666666
14	1	20	630486	82	0	0	36098	666666
15	1	7	416689	96	0	0	249881	666666
16	2	5	417084	98	1834	0	247552	666666
17	2	16	159819	87	1819	0	504854	666666
18	1	18	501943	90	0	0	164633	666666

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	8	335336	51	1842	1900	860769	1200000
2	3	20	211671	76	1031	1791	985279	1200000
3	2	9	317125	55	1330	0	881435	1200000
4	3	13	82282	97	1769	1879	1113779	1200000
5	3	11	1074075	97	1076	1352	123206	1200000
6	2	20	537037	99	1358	0	661407	1200000
7	1	6	28386	96	0	0	1171518	1200000
8	1	15	511300	67	0	0	688633	1200000
9	1	17	355166	92	0	0	844742	1200000
10	1	14	1026539	79	0	0	173382	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	3	8	570597	95	1226	1725	26167	600000
2	2	14	152007	99	1008	0	446787	600000
3	2	7	430746	69	1827	0	167289	600000
4	1	11	170796	98	0	0	429106	600000
5	1	14	519292	87	0	0	80621	600000
6	2	8	379329	98	936	0	219539	600000
7	1	18	24951	80	0	0	574969	600000
8	2	6	76185	56	1184	0	522519	600000
9	2	15	382953	99	961	0	215888	600000
10	1	17	384368	71	0	0	215561	600000
11	3	14	138193	94	1865	1536	458124	600000
12	2	6	209733	88	1224	0	388867	600000
13	3	16	179279	94	1293	1235	417911	600000
14	2	14	3076	71	1686	0	595096	600000
15	3	5	361756	74	1544	1338	235140	600000
16	1	10	268802	55	0	0	331143	600000
17	2	13	34540	66	1102	0	564226	600000
18	1	14	282428	98	0	0	317474	600000
19	3	17	280985	51	1840	1194	315828	600000
20	1	16	203550	64	0	0	396386	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	1	19	483232	61	0	0	222589	705882
2	1	19	8227	54	0	0	697601	705882
3	3	14	633278	99	1896	1862	68549	705882
4	1	7	154450	77	0	0	551355	705882
5	1	13	567450	100	0	0	138332	705882
6	1	20	46770	95	0	0	659017	705882
7	2	7	221791	90	1068	0	482843	705882
8	2	15	295181	89	1354	0	409169	705882
9	2	7	270485	94	1868	0	433341	705882
10	3	13	561708	90	1204	946	141754	705882
11	3	19	323247	50	1046	1022	380417	705882
12	2	8	701941	58	1048	0	2777	705882
13	3	13	464913	99	1030	1766	237876	705882
14	2	8	323220	56	1272	0	381278	705882
15	3	9	429579	56	1035	1254	273846	705882
16	2	14	660816	50	1544	0	43422	705882
17	1	17	159130	80	0	0	546672	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	11	703646	100	0	0	796254	1500000
2	1	11	239995	65	0	0	1259940	1500000
3	1	9	126484	73	0	0	1373443	1500000
4	1	7	1210974	93	0	0	288933	1500000
5	2	7	1211980	76	1728	0	286140	1500000
6	3	16	749206	57	1497	1128	747998	1500000
7	2	16	508401	89	1816	0	989605	1500000
8	2	11	1210774	80	1055	0	288011	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	15	80205	76	0	0	551297	631578
2	3	10	471068	93	1431	1795	157005	631578
3	2	17	386282	56	1016	0	244168	631578
4	2	9	432891	62	1779	0	196784	631578
5	3	17	280911	52	980	1336	348195	631578
6	2	12	282461	96	1432	0	347493	631578
7	1	14	197858	100	0	0	433620	631578
8	2	15	185380	56	987	0	445099	631578
9	2	9	614531	51	1700	0	15245	631578
10	2	18	136747	96	1631	0	493008	631578
11	2	9	595162	57	1063	0	35239	631578
12	1	15	466477	85	0	0	165016	631578
13	2	12	226434	65	1013	0	404001	631578
14	1	7	118223	70	0	0	513285	631578
15	3	9	343523	98	1474	1119	285168	631578
16	1	17	39025	95	0	0	592458	631578
17	1	13	453082	88	0	0	178408	631578
18	1	7	190453	61	0	0	441064	631578
19	3	15	295158	94	1061	1871	333206	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	561263	100	1851	0	36686	600000
2	2	13	43911	79	1643	0	554288	600000
3	3	17	483457	96	1834	1653	112768	600000
4	1	15	356060	70	0	0	243870	600000
5	3	14	105082	98	1153	1753	491718	600000
6	1	9	312387	83	0	0	287530	600000
7	2	18	397889	100	1528	0	200383	600000
8	2	19	366674	68	1753	0	231437	600000
9	2	18	245368	62	1582	0	352926	600000
10	1	10	592981	70	0	0	6949	600000
11	1	17	196045	81	0	0	403874	600000
12	3	14	59842	98	1303	1589	536972	600000
13	3	19	280437	72	1185	1129	317033	600000
14	3	7	262581	54	1210	1137	334910	600000
15	1	5	71359	79	0	0	528562	600000
16	3	20	457430	57	1784	1481	139134	600000
17	2	7	506732	84	1829	0	91271	600000
18	2	15	93553	98	968	0	505283	600000
19	3	5	586057	92	1072	1456	11139	600000
20	2	14	157932	58	1170	0	440782	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	12	1007763	82	1097	1219	323008	1333333
2	1	12	1128623	73	0	0	204637	1333333
3	2	18	97285	100	1159	0	1234689	1333333
4	1	7	172079	81	0	0	1161173	1333333
5	2	5	383596	60	1696	0	947921	1333333
6	2	14	696303	93	1679	0	635165	1333333
7	3	9	1157965	61	1442	1459	172284	1333333
8	2	15	263751	71	1283	0	1068157	1333333
9	2	16	362791	80	1758	0	968624	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	19	828285	64	1262	0	670325	1500000
2	2	17	1141181	55	1855	0	356854	1500000
3	3	15	640993	60	1381	1126	856320	1500000
4	3	14	449832	85	1168	1408	1047337	1500000
5	2	18	1177087	76	1878	0	320883	1500000
6	3	14	23354	100	1237	1818	1473291	1500000
7	2	9	294534	76	1787	0	1203527	1500000
8	1	8	1062945	88	0	0	436967	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	8	6075	84	0	0	793841	800000
2	3	5	173706	50	1618	959	623567	800000
3	1	5	719918	79	0	0	80003	800000
4	2	14	134169	73	1615	0	664070	800000
5	3	11	162854	66	1890	1115	633943	800000
6	3	14	690593	96	1645	1377	106097	800000
7	1	16	223980	89	0	0	575931	800000
8	3	20	751890	82	1791	1838	44235	800000
9	3	16	377286	66	1930	1821	418765	800000
10	2	16	51788	74	1544	0	746520	800000
11	1	9	546821	96	0	0	253083	800000
12	3	17	385241	52	1938	1056	411609	800000
13	3	10	281223	77	1901	1709	514936	800000
14	2	18	651169	78	1575	0	147100	800000
15	1	11	78443	93	0	0	721464	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	12	568843	66	0	0	522000	1090909
2	1	18	874821	50	0	0	216038	1090909
3	3	11	633718	94	1502	1016	454391	1090909
4	1	17	502846	95	0	0	587968	1090909
5	3	10	131431	90	928	1010	957270	1090909
6	3	19	863083	96	1869	1153	224516	1090909
7	1	14	512513	95	0	0	578301	1090909
8	3	13	997811	74	1513	1317	90046	1090909
9	3	20	25635	78	1831	1879	1061330	1090909
10	2	13	476469	62	1872	0	612444	1090909
11	2	9	181681	70	1838	0	907250	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	1	7	134610	88	0	0	1065302	1200000
2	3	8	12988	78	1749	1420	1183609	1200000
3	2	15	269435	86	1257	0	929136	1200000
4	1	6	959589	54	0	0	240357	1200000
5	1	7	886538	59	0	0	313403	1200000
6	2	12	426707	82	1234	0	771895	1200000
7	2	9	834405	75	1488	0	363957	1200000
8	1	18	260919	60	0	0	939021	1200000
9	3	20	548538	90	1681	992	648519	1200000
10	1	13	1021337	90	0	0	178573	1200000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	10	159667	66	0	0	640267	800000
2	1	5	131565	56	0	0	668379	800000
3	1	12	347745	85	0	0	452170	800000
4	1	7	795875	93	0	0	4032	800000
5	3	5	316883	53	1338	1079	480541	800000
6	3	10	86997	64	1740	1206	709865	800000
7	3	15	578499	87	1026	1518	218696	800000
8	1	7	62349	66	0	0	737585	800000
9	2	8	644822	79	967	0	154053	800000
10	2	10	734775	67	1693	0	63398	800000
11	3	9	366638	73	1652	1436	430055	800000
12	2	12	704996	91	950	0	93872	800000
13	1	19	366425	93	0	0	433482	800000
14	1	10	664174	51	0	0	135775	800000
15	2	18	523054	86	1723	0	275051	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	6	249649	57	1533	0	498704	750000
2	3	5	181686	98	1252	1101	565667	750000
3	2	14	200083	98	1046	0	548675	750000
4	1	7	146569	93	0	0	603338	750000
5	1	10	441139	86	0	0	308775	750000
6	2	20	185914	75	1451	0	562485	750000
7	1	15	468004	53	0	0	281943	750000
8	1	9	279625	52	0	0	470323	750000
9	1	6	691417	57	0	0	58526	750000
10	1	16	161218	75	0	0	588707	750000
11	3	16	283336	54	1632	1190	463680	750000
12	3	12	617195	83	1389	1654	129513	750000
13	2	18	324806	53	1898	0	423190	750000
14	3	7	630925	56	1532	1767	115608	750000
15	2	19	534827	92	1010	0	213979	750000
16	1	19	157883	63	0	0	592054	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	11	671123	83	1154	0	127557	800000
2	1	6	793136	92	0	0	6772	800000
3	1	10	386736	82	0	0	413182	800000
4	3	9	370506	57	1097	1431	426795	800000
5	2	15	187033	79	945	0	611864	800000
6	1	10	221257	93	0	0	578650	800000
7	1	7	464581	81	0	0	335338	800000
8	2	6	341949	61	1351	0	456578	800000
9	3	17	475921	80	1222	977	321640	800000
10	2	8	15045	60	1291	0	783544	800000
11	3	19	670617	71	1715	1355	126100	800000
12	1	15	143142	88	0	0	656770	800000
13	1	15	445974	100	0	0	353926	800000
14	3	20	209264	68	981	1727	587824	800000
15	3	18	536697	87	1354	1807	259881	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	10	1462660	51	968	0	36270	1500000
2	2	10	1105853	66	1795	0	392220	1500000
3	2	15	565800	57	1143	0	932943	1500000
4	3	15	1115020	62	1544	1074	382176	1500000
5	1	15	247717	61	0	0	1252222	1500000
6	2	9	816402	54	1164	0	682326	1500000
7	2	17	739567	95	1680	0	758563	1500000
8	3	7	485646	63	996	1424	1011745	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	14	68077	82	1813	1028	1019745	1090909
2	2	14	314023	99	1664	0	775024	1090909
3	2	9	746631	66	1736	0	342410	1090909
4	3	11	343413	77	986	1026	745253	1090909
5	1	11	991543	75	0	0	99291	1090909
6	3	12	128320	83	1006	1536	959798	1090909
7	3	10	293915	75	1524	1028	794217	1090909
8	1	19	276441	51	0	0	814417	1090909
9	3	14	242845	84	1130	1369	845313	1090909
10	3	9	284060	80	1435	994	804180	1090909
11	1	10	74570	81	0	0	1016258	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	1	16	401334	68	0	0	455740	857142
2	2	7	695178	57	1669	0	160181	857142
3	3	14	330711	60	1524	1164	523563	857142
4	1	11	525723	93	0	0	331326	857142
5	3	12	775469	59	1424	1687	78385	857142
6	3	5	590768	55	1496	1322	263391	857142
7	1	17	101824	51	0	0	755267	857142
8	3	17	370042	59	1333	1478	484112	857142
9	2	9	5846	82	1630	0	849502	857142
10	3	16	198972	64	1027	1218	655733	857142
11	3	9	825381	58	1688	1816	28083	857142
12	2	5	150324	88	1039	0	705603	857142
13	2	20	690370	63	1483	0	165163	857142
14	1	20	55498	86	0	0	801558	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	1	16	1222276	74	0	0	277650	1500000
2	1	19	94547	51	0	0	1405402	1500000
3	3	12	809595	68	1026	1391	687784	1500000
4	3	10	336945	74	1723	1139	1159971	1500000
5	2	9	306687	75	1238	0	1191925	1500000
6	1	12	1371416	89	0	0	128495	1500000
7	1	6	326518	99	0	0	1173383	1500000
8	1	16	909767	82	0	0	590151	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	15	135304	97	1588	0	462914	600000
2	3	10	402395	86	1718	1313	194316	600000
3	2	19	502233	87	1689	0	95904	600000
4	2	7	365252	79	1307	0	233283	600000
5	1	12	89212	63	0	0	510725	600000
6	2	10	135423	69	1808	0	462631	600000
7	3	18	167191	59	1382	1078	430172	600000
8	2	9	356993	98	1436	0	241375	600000
9	3	10	270155	60	1726	1519	326420	600000
10	1	11	525742	66	0	0	74192	600000
11	1	8	192590	76	0	0	407334	600000
12	2	8	357862	84	1452	0	240518	600000
13	2	12	301734	68	1509	0	296621	600000
14	2	9	296752	73	1712	0	301390	600000
15	1	9	378803	70	0	0	221127	600000
16	3	5	339746	88	1800	1567	256623	600000
17	1	5	299085	67	0	0	300848	600000
18	2	15	72003	92	1553	0	526260	600000
19	3	10	88640	80	1344	1593	508183	600000
20	1	15	521273	70	0	0	78657	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	1	9	905031	58	0	0	185820	1090909
2	1	17	975553	74	0	0	115282	1090909
3	2	12	612969	79	1706	0	476076	1090909
4	3	5	246822	71	1256	1896	840722	1090909
5	3	18	967204	92	1079	1007	121343	1090909
6	3	15	380413	99	1384	1453	707362	1090909
7	2	10	14886	50	1411	0	1074512	1090909
8	1	11	948879	60	0	0	141970	1090909
9	1	8	596354	88	0	0	494467	1090909
10	1	17	500054	91	0	0	590764	1090909
11	1	19	470128	55	0	0	620726	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	1	9	914463	73	0	0	8540	923076
2	1	7	469367	97	0	0	453612	923076
3	1	19	206695	70	0	0	716311	923076
4	1	8	466135	89	0	0	456852	923076
5	2	6	329033	99	1474	0	592371	923076
6	2	14	795497	54	1570	0	125901	923076
7	1	13	355751	57	0	0	567268	923076
8	2	19	760685	82	1897	0	160330	923076
9	3	5	196505	59	1851	1202	723341	923076
10	2	10	297475	98	1236	0	624169	923076
11	1	14	880004	52	0	0	43020	923076
12	3	17	541353	56	1802	986	378767	923076
13	2	10	807367	84	1216	0	114325	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	5	139146	87	1152	1218	1358223	1500000
2	3	10	1293012	64	1322	1000	204474	1500000
3	2	15	415193	100	1630	0	1082977	1500000
4	1	5	829796	85	0	0	670119	1500000
5	2	9	90917	77	1777	0	1407152	1500000
6	3	13	911776	62	1444	1594	585000	1500000
7	2	10	480241	58	1153	0	1018490	1500000
8	1	6	178699	50	0	0	1321251	1500000

Type 5 #29 [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	5	543113	73	1851	0	545799	1090909
2	1	15	430253	97	0	0	660559	1090909
3	1	18	532421	80	0	0	558408	1090909
4	2	17	266377	59	1327	0	823087	1090909
5	1	17	895842	85	0	0	194982	1090909
6	3	12	484074	73	1114	1557	603945	1090909
7	2	9	966951	59	1567	0	122273	1090909
8	1	6	214675	97	0	0	876137	1090909
9	3	19	121459	78	1227	1812	966177	1090909
10	2	13	1013754	50	1634	0	75421	1090909
11	1	16	843290	78	0	0	247541	1090909

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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

#01-5684	#02-5448	#03-5505	#04-5632	#05-5594	#06-5537	#07-5461	#08-5398	#09-5447	#10-5481
#11-5362	#12-5351	#13-5621	#14-5714	#15-5716	#16-5359	#17-5488	#18-5298	#19-5522	#20-5466
#21-5574	#22-5377	#23-5438	#24-5661	#25-5587	#26-5315	#27-5463	#28-5707	#29-5581	#30-5452
#31-5658	#32-5474	#33-5492	#34-5473	#35-5591	#36-5311	#37-5423	#38-5531	#39-5480	#40-5368
#41-5638	#42-5560	#43-5676	#44-5634	#45-5263	#46-5503	#47-5465	#48-5453	#49-5685	#50-5712
#51-5370	#52-5292	#53-5557	#54-5260	#55-5569	#56-5295	#57-5528	#58-5323	#59-5479	#60-5590
#61-5279	#62-5428	#63-5601	#64-5378	#65-5376	#66-5426	#67-5600	#68-5710	#69-5455	#70-5627
#71-5524	#72-5635	#73-5406	#74-5449	#75-5272	#76-5670	#77-5353	#78-5266	#79-5619	#80-5457
#81-5251	#82-5459	#83-5608	#84-5609	#85-5381	#86-5325	#87-5506	#88-5612	#89-5261	#90-5698
#91-5277	#92-5334	#93-5721	#94-5384	#95-5562	#96-5654	#97-5467	#98-5385	#99-5372	#100-5599

Type 6 #2 [Back to Summary]

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

#01-5276	#02-5611	#03-5462	#04-5511	#05-5483	#06-5498	#07-5653	#08-5347	#09-5279	#10-5469
#11-5410	#12-5706	#13-5509	#14-5709	#15-5720	#16-5269	#17-5639	#18-5695	#19-5559	#20-5625
#21-5562	#22-5441	#23-5299	#24-5351	#25-5407	#26-5674	#27-5693	#28-5612	#29-5349	#30-5251
#31-5530	#32-5605	#33-5497	#34-5582	#35-5700	#36-5573	#37-5395	#38-5622	#39-5551	#40-5577
#41-5515	#42-5479	#43-5591	#44-5353	#45-5461	#46-5399	#47-5566	#48-5635	#49-5546	#50-5550
#51-5472	#52-5287	#53-5361	#54-5354	#55-5534	#56-5529	#57-5291	#58-5722	#59-5277	#60-5663
#61-5458	#62-5651	#63-5259	#64-5397	#65-5598	#66-5541	#67-5322	#68-5258	#69-5297	#70-5460
#71-5544	#72-5484	#73-5304	#74-5543	#75-5295	#76-5438	#77-5430	#78-5283	#79-5305	#80-5275
#81-5545	#82-5390	#83-5260	#84-5718	#85-5338	#86-5272	#87-5535	#88-5517	#89-5678	#90-5540
#91-5311	#92-5619	#93-5418	#94-5255	#95-5424	#96-5542	#97-5714	#98-5348	#99-5267	#100-5602

Type 6 #3 [Back to Summary]

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

#01-5299	#02-5321	#03-5710	#04-5721	#05-5533	#06-5572	#07-5630	#08-5474	#09-5433	#10-5355
#11-5593	#12-5386	#13-5564	#14-5547	#15-5708	#16-5711	#17-5487	#18-5504	#19-5506	#20-5253
#21-5423	#22-5409	#23-5652	#24-5403	#25-5601	#26-5401	#27-5424	#28-5583	#29-5488	#30-5575
#31-5555	#32-5292	#33-5718	#34-5406	#35-5669	#36-5266	#37-5286	#38-5538	#39-5709	#40-5356
#41-5635	#42-5562	#43-5436	#44-5429	#45-5521	#46-5281	#47-5447	#48-5432	#49-5440	#50-5661
#51-5460	#52-5566	#53-5263	#54-5428	#55-5614	#56-5394	#57-5557	#58-5370	#59-5381	#60-5397
#61-5296	#62-5582	#63-5525	#64-5551	#65-5393	#66-5407	#67-5603	#68-5691	#69-5675	#70-5673
#71-5520	#72-5400	#73-5343	#74-5586	#75-5698	#76-5472	#77-5607	#78-5569	#79-5679	#80-5716
#81-5392	#82-5657	#83-5638	#84-5345	#85-5450	#86-5704	#87-5703	#88-5304	#89-5597	#90-5453
#91-5418	#92-5577	#93-5683	#94-5588	#95-5576	#96-5578	#97-5628	#98-5694	#99-5613	#100-5289

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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

#01-5554	#02-5474	#03-5605	#04-5713	#05-5664	#06-5415	#07-5644	#08-5567	#09-5641	#10-5647
#11-5674	#12-5525	#13-5427	#14-5406	#15-5628	#16-5302	#17-5669	#18-5430	#19-5351	#20-5414
#21-5429	#22-5549	#23-5344	#24-5471	#25-5504	#26-5667	#27-5442	#28-5480	#29-5259	#30-5370
#31-5568	#32-5637	#33-5681	#34-5639	#35-5412	#36-5643	#37-5301	#38-5650	#39-5405	#40-5284
#41-5309	#42-5385	#43-5387	#44-5675	#45-5503	#46-5618	#47-5399	#48-5526	#49-5684	#50-5523
#51-5634	#52-5448	#53-5593	#54-5449	#55-5584	#56-5255	#57-5379	#58-5384	#59-5458	#60-5721
#61-5698	#62-5558	#63-5520	#64-5328	#65-5286	#66-5569	#67-5512	#68-5718	#69-5710	#70-5251
#71-5268	#72-5274	#73-5316	#74-5354	#75-5294	#76-5411	#77-5394	#78-5692	#79-5611	#80-5518
#81-5640	#82-5460	#83-5461	#84-5369	#85-5482	#86-5305	#87-5513	#88-5642	#89-5441	#90-5408
#91-5311	#92-5620	#93-5552	#94-5592	#95-5596	#96-5467	#97-5298	#98-5533	#99-5699	#100-5522

Type 6 #5 [Back to Summary]

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

#01-5615	#02-5423	#03-5526	#04-5344	#05-5540	#06-5569	#07-5710	#08-5417	#09-5572	#10-5453
#11-5307	#12-5619	#13-5347	#14-5309	#15-5683	#16-5716	#17-5337	#18-5457	#19-5562	#20-5446
#21-5334	#22-5552	#23-5591	#24-5255	#25-5459	#26-5467	#27-5544	#28-5522	#29-5475	#30-5631
#31-5357	#32-5546	#33-5662	#34-5570	#35-5670	#36-5493	#37-5387	#38-5489	#39-5528	#40-5474
#41-5593	#42-5679	#43-5253	#44-5250	#45-5454	#46-5532	#47-5638	#48-5686	#49-5403	#50-5695
#51-5502	#52-5438	#53-5312	#54-5557	#55-5520	#56-5609	#57-5323	#58-5274	#59-5437	#60-5667
#61-5260	#62-5547	#63-5674	#64-5322	#65-5409	#66-5463	#67-5262	#68-5472	#69-5692	#70-5724
#71-5643	#72-5584	#73-5637	#74-5251	#75-5458	#76-5261	#77-5600	#78-5477	#79-5386	#80-5293
#81-5507	#82-5363	#83-5698	#84-5416	#85-5538	#86-5340	#87-5583	#88-5381	#89-5304	#90-5653
#91-5295	#92-5318	#93-5625	#94-5252	#95-5435	#96-5696	#97-5579	#98-5354	#99-5645	#100-5518

Type 6 #6 [Back to Summary]

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

#01-5401	#02-5310	#03-5262	#04-5553	#05-5667	#06-5384	#07-5320	#08-5537	#09-5279	#10-5660
#11-5681	#12-5623	#13-5499	#14-5421	#15-5526	#16-5436	#17-5302	#18-5350	#19-5505	#20-5672
#21-5530	#22-5691	#23-5668	#24-5708	#25-5722	#26-5588	#27-5291	#28-5415	#29-5434	#30-5620
#31-5403	#32-5443	#33-5430	#34-5351	#35-5356	#36-5525	#37-5512	#38-5589	#39-5448	#40-5311
#41-5491	#42-5360	#43-5362	#44-5251	#45-5478	#46-5565	#47-5634	#48-5510	#49-5280	#50-5253
#51-5390	#52-5571	#53-5595	#54-5344	#55-5319	#56-5569	#57-5669	#58-5521	#59-5278	#60-5372
#61-5290	#62-5527	#63-5420	#64-5635	#65-5437	#66-5627	#67-5631	#68-5581	#69-5556	#70-5706
#71-5494	#72-5272	#73-5381	#74-5629	#75-5404	#76-5343	#77-5399	#78-5303	#79-5583	#80-5480
#81-5261	#82-5455	#83-5644	#84-5651	#85-5283	#86-5369	#87-5304	#88-5560	#89-5546	#90-5409
#91-5495	#92-5464	#93-5599	#94-5714	#95-5338	#96-5671	#97-5689	#98-5487	#99-5488	#100-5425

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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

#01-5499	#02-5622	#03-5467	#04-5415	#05-5671	#06-5377	#07-5460	#08-5564	#09-5408	#10-5429
#11-5348	#12-5518	#13-5700	#14-5410	#15-5310	#16-5576	#17-5511	#18-5720	#19-5335	#20-5501
#21-5641	#22-5280	#23-5414	#24-5254	#25-5298	#26-5356	#27-5442	#28-5516	#29-5692	#30-5329
#31-5468	#32-5401	#33-5386	#34-5627	#35-5614	#36-5373	#37-5432	#38-5419	#39-5674	#40-5655
#41-5306	#42-5615	#43-5545	#44-5375	#45-5330	#46-5362	#47-5701	#48-5492	#49-5427	#50-5340
#51-5722	#52-5705	#53-5436	#54-5250	#55-5666	#56-5328	#57-5270	#58-5267	#59-5297	#60-5633
#61-5462	#62-5269	#63-5299	#64-5549	#65-5274	#66-5686	#67-5388	#68-5538	#69-5716	#70-5570
#71-5585	#72-5586	#73-5523	#74-5434	#75-5647	#76-5404	#77-5522	#78-5450	#79-5626	#80-5378
#81-5403	#82-5405	#83-5440	#84-5431	#85-5353	#86-5398	#87-5656	#88-5608	#89-5397	#90-5682
#91-5596	#92-5495	#93-5551	#94-5486	#95-5400	#96-5563	#97-5679	#98-5678	#99-5370	#100-5575

Type 6 #8 [Back to Summary]

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

#01-5451	#02-5482	#03-5406	#04-5424	#05-5629	#06-5618	#07-5361	#08-5261	#09-5368	#10-5645
#11-5395	#12-5593	#13-5692	#14-5322	#15-5681	#16-5434	#17-5567	#18-5454	#19-5687	#20-5437
#21-5628	#22-5652	#23-5663	#24-5345	#25-5333	#26-5440	#27-5254	#28-5684	#29-5496	#30-5439
#31-5251	#32-5285	#33-5590	#34-5412	#35-5674	#36-5672	#37-5699	#38-5277	#39-5715	#40-5286
#41-5670	#42-5477	#43-5574	#44-5680	#45-5327	#46-5606	#47-5494	#48-5594	#49-5474	#50-5657
#51-5671	#52-5524	#53-5543	#54-5310	#55-5341	#56-5613	#57-5401	#58-5490	#59-5653	#60-5471
#61-5393	#62-5557	#63-5352	#64-5635	#65-5257	#66-5487	#67-5427	#68-5697	#69-5400	#70-5683
#71-5338	#72-5664	#73-5485	#74-5651	#75-5328	#76-5570	#77-5675	#78-5537	#79-5643	#80-5380
#81-5611	#82-5607	#83-5563	#84-5351	#85-5610	#86-5429	#87-5549	#88-5353	#89-5263	#90-5577
#91-5417	#92-5598	#93-5297	#94-5466	#95-5506	#96-5713	#97-5349	#98-5371	#99-5626	#100-5678

Type 6 #9 [Back to Summary]

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

#01-5687	#02-5323	#03-5488	#04-5333	#05-5520	#06-5580	#07-5455	#08-5433	#09-5272	#10-5602
#11-5600	#12-5710	#13-5588	#14-5596	#15-5515	#16-5503	#17-5651	#18-5379	#19-5632	#20-5484
#21-5454	#22-5719	#23-5569	#24-5627	#25-5320	#26-5570	#27-5655	#28-5513	#29-5650	#30-5490
#31-5706	#32-5609	#33-5389	#34-5537	#35-5666	#36-5466	#37-5558	#38-5407	#39-5394	#40-5395
#41-5721	#42-5382	#43-5265	#44-5595	#45-5716	#46-5459	#47-5474	#48-5469	#49-5444	#50-5496
#51-5296	#52-5452	#53-5593	#54-5494	#55-5617	#56-5510	#57-5676	#58-5359	#59-5253	#60-5704
#61-5456	#62-5703	#63-5562	#64-5384	#65-5401	#66-5493	#67-5524	#68-5487	#69-5339	#70-5457
#71-5586	#72-5553	#73-5449	#74-5579	#75-5445	#76-5288	#77-5431	#78-5295	#79-5661	#80-5668
#81-5421	#82-5702	#83-5665	#84-5622	#85-5696	#86-5616	#87-5636	#88-5261	#89-5453	#90-5388
#91-5263	#92-5621	#93-5340	#94-5317	#95-5675	#96-5697	#97-5533	#98-5363	#99-5386	#100-5659

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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									
#01-5423	#02-5310	#03-5279	#04-5307	#05-5445	#06-5494	#07-5313	#08-5518	#09-5392	#10-5520
#11-5284	#12-5391	#13-5406	#14-5461	#15-5596	#16-5552	#17-5428	#18-5411	#19-5564	#20-5542
#21-5715	#22-5566	#23-5549	#24-5673	#25-5363	#26-5345	#27-5487	#28-5278	#29-5548	#30-5532
#31-5513	#32-5292	#33-5491	#34-5561	#35-5666	#36-5559	#37-5440	#38-5525	#39-5683	#40-5467
#41-5311	#42-5593	#43-5703	#44-5480	#45-5658	#46-5580	#47-5329	#48-5394	#49-5661	#50-5659
#51-5699	#52-5318	#53-5367	#54-5432	#55-5724	#56-5438	#57-5483	#58-5497	#59-5381	#60-5693
#61-5281	#62-5696	#63-5477	#64-5602	#65-5364	#66-5695	#67-5611	#68-5287	#69-5712	#70-5605
#71-5324	#72-5654	#73-5441	#74-5587	#75-5264	#76-5507	#77-5265	#78-5342	#79-5341	#80-5614
#81-5557	#82-5649	#83-5308	#84-5562	#85-5478	#86-5326	#87-5668	#88-5436	#89-5672	#90-5622
#91-5475	#92-5603	#93-5543	#94-5610	#95-5294	#96-5508	#97-5624	#98-5671	#99-5338	#100-5437

Type 6 #11 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5292	#02-5503	#03-5532	#04-5575	#05-5414	#06-5482	#07-5598	#08-5677	#09-5664	#10-5271
#11-5332	#12-5645	#13-5407	#14-5439	#15-5636	#16-5447	#17-5383	#18-5686	#19-5294	#20-5466
#21-5615	#22-5613	#23-5707	#24-5544	#25-5362	#26-5445	#27-5621	#28-5696	#29-5558	#30-5442
#31-5667	#32-5468	#33-5257	#34-5607	#35-5530	#36-5279	#37-5627	#38-5436	#39-5520	#40-5287
#41-5497	#42-5650	#43-5540	#44-5555	#45-5446	#46-5354	#47-5699	#48-5572	#49-5375	#50-5663
#51-5597	#52-5547	#53-5403	#54-5713	#55-5463	#56-5700	#57-5286	#58-5701	#59-5706	#60-5355
#61-5554	#62-5390	#63-5426	#64-5399	#65-5557	#66-5417	#67-5480	#68-5299	#69-5582	#70-5670
#71-5578	#72-5366	#73-5306	#74-5254	#75-5718	#76-5341	#77-5647	#78-5374	#79-5433	#80-5289
#81-5596	#82-5434	#83-5453	#84-5259	#85-5291	#86-5660	#87-5400	#88-5305	#89-5391	#90-5345
#91-5378	#92-5296	#93-5521	#94-5593	#95-5404	#96-5619	#97-5651	#98-5694	#99-5464	#100-5709

Type 6 #12 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5656	#02-5707	#03-5669	#04-5304	#05-5582	#06-5646	#07-5300	#08-5350	#09-5554	#10-5689
#11-5354	#12-5346	#13-5375	#14-5316	#15-5364	#16-5432	#17-5376	#18-5522	#19-5699	#20-5685
#21-5578	#22-5403	#23-5671	#24-5544	#25-5694	#26-5538	#27-5615	#28-5719	#29-5670	#30-5465
#31-5415	#32-5520	#33-5307	#34-5483	#35-5678	#36-5455	#37-5489	#38-5448	#39-5470	#40-5295
#41-5299	#42-5548	#43-5331	#44-5417	#45-5496	#46-5279	#47-5553	#48-5499	#49-5587	#50-5524
#51-5422	#52-5312	#53-5503	#54-5380	#55-5502	#56-5285	#57-5374	#58-5724	#59-5613	#60-5357
#61-5410	#62-5356	#63-5609	#64-5474	#65-5663	#66-5551	#67-5318	#68-5557	#69-5701	#70-5611
#71-5323	#72-5479	#73-5640	#74-5529	#75-5579	#76-5589	#77-5377	#78-5532	#79-5664	#80-5710
#81-5365	#82-5381	#83-5396	#84-5293	#85-5353	#86-5266	#87-5652	#88-5705	#89-5642	#90-5490
#91-5560	#92-5362	#93-5668	#94-5686	#95-5720	#96-5338	#97-5610	#98-5637	#99-5348	#100-5558

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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

#01-5588	#02-5575	#03-5647	#04-5421	#05-5721	#06-5442	#07-5673	#08-5372	#09-5294	#10-5699
#11-5462	#12-5430	#13-5559	#14-5534	#15-5390	#16-5577	#17-5493	#18-5620	#19-5371	#20-5488
#21-5366	#22-5280	#23-5585	#24-5640	#25-5257	#26-5623	#27-5586	#28-5703	#29-5714	#30-5277
#31-5496	#32-5483	#33-5670	#34-5520	#35-5403	#36-5326	#37-5307	#38-5471	#39-5334	#40-5298
#41-5611	#42-5715	#43-5565	#44-5694	#45-5451	#46-5401	#47-5644	#48-5386	#49-5545	#50-5393
#51-5570	#52-5515	#53-5584	#54-5441	#55-5557	#56-5414	#57-5348	#58-5580	#59-5382	#60-5267
#61-5452	#62-5485	#63-5289	#64-5380	#65-5314	#66-5519	#67-5271	#68-5535	#69-5323	#70-5601
#71-5376	#72-5440	#73-5616	#74-5438	#75-5704	#76-5450	#77-5408	#78-5571	#79-5431	#80-5505
#81-5693	#82-5335	#83-5328	#84-5336	#85-5300	#86-5710	#87-5642	#88-5582	#89-5548	#90-5491
#91-5472	#92-5641	#93-5604	#94-5256	#95-5480	#96-5598	#97-5429	#98-5708	#99-5544	#100-5558

Type 6 #14 [Back to Summary]

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

#01-5369	#02-5380	#03-5536	#04-5560	#05-5672	#06-5260	#07-5399	#08-5685	#09-5533	#10-5702
#11-5469	#12-5689	#13-5550	#14-5605	#15-5684	#16-5519	#17-5617	#18-5375	#19-5690	#20-5663
#21-5349	#22-5444	#23-5652	#24-5697	#25-5608	#26-5325	#27-5500	#28-5352	#29-5264	#30-5454
#31-5712	#32-5480	#33-5473	#34-5591	#35-5312	#36-5355	#37-5295	#38-5543	#39-5461	#40-5491
#41-5643	#42-5447	#43-5503	#44-5379	#45-5583	#46-5604	#47-5561	#48-5273	#49-5520	#50-5474
#51-5698	#52-5578	#53-5620	#54-5269	#55-5660	#56-5609	#57-5564	#58-5677	#59-5596	#60-5484
#61-5297	#62-5671	#63-5329	#64-5714	#65-5713	#66-5466	#67-5683	#68-5542	#69-5629	#70-5556
#71-5479	#72-5422	#73-5431	#74-5722	#75-5567	#76-5274	#77-5446	#78-5664	#79-5328	#80-5705
#81-5627	#82-5572	#83-5376	#84-5471	#85-5456	#86-5285	#87-5443	#88-5696	#89-5368	#90-5513
#91-5391	#92-5367	#93-5646	#94-5420	#95-5569	#96-5392	#97-5562	#98-5459	#99-5721	#100-5400

Type 6 #15 [Back to Summary]

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

#01-5545	#02-5694	#03-5452	#04-5348	#05-5700	#06-5336	#07-5613	#08-5360	#09-5415	#10-5356
#11-5267	#12-5594	#13-5608	#14-5501	#15-5703	#16-5459	#17-5604	#18-5611	#19-5426	#20-5631
#21-5524	#22-5644	#23-5632	#24-5423	#25-5386	#26-5597	#27-5528	#28-5380	#29-5259	#30-5438
#31-5261	#32-5357	#33-5521	#34-5406	#35-5474	#36-5494	#37-5269	#38-5537	#39-5305	#40-5479
#41-5535	#42-5578	#43-5313	#44-5278	#45-5508	#46-5572	#47-5469	#48-5353	#49-5309	#50-5573
#51-5544	#52-5271	#53-5600	#54-5625	#55-5311	#56-5279	#57-5687	#58-5532	#59-5482	#60-5351
#61-5702	#62-5344	#63-5486	#64-5337	#65-5345	#66-5690	#67-5584	#68-5323	#69-5371	#70-5402
#71-5714	#72-5316	#73-5569	#74-5395	#75-5411	#76-5338	#77-5680	#78-5635	#79-5630	#80-5378
#81-5413	#82-5640	#83-5645	#84-5505	#85-5412	#86-5464	#87-5307	#88-5434	#89-5497	#90-5721
#91-5693	#92-5470	#93-5463	#94-5421	#95-5476	#96-5715	#97-5388	#98-5450	#99-5499	#100-5593

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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

#01-5611	#02-5558	#03-5467	#04-5609	#05-5526	#06-5264	#07-5576	#08-5572	#09-5445	#10-5574
#11-5656	#12-5617	#13-5400	#14-5416	#15-5565	#16-5317	#17-5475	#18-5614	#19-5599	#20-5406
#21-5530	#22-5441	#23-5600	#24-5649	#25-5672	#26-5641	#27-5454	#28-5645	#29-5492	#30-5653
#31-5638	#32-5284	#33-5671	#34-5669	#35-5580	#36-5506	#37-5419	#38-5399	#39-5713	#40-5275
#41-5287	#42-5577	#43-5313	#44-5255	#45-5636	#46-5648	#47-5610	#48-5548	#49-5437	#50-5331
#51-5367	#52-5592	#53-5684	#54-5578	#55-5348	#56-5372	#57-5651	#58-5678	#59-5646	#60-5267
#61-5657	#62-5381	#63-5618	#64-5619	#65-5269	#66-5679	#67-5257	#68-5541	#69-5415	#70-5563
#71-5322	#72-5608	#73-5542	#74-5722	#75-5254	#76-5277	#77-5643	#78-5280	#79-5677	#80-5554
#81-5326	#82-5620	#83-5321	#84-5522	#85-5472	#86-5285	#87-5354	#88-5426	#89-5598	#90-5268
#91-5525	#92-5628	#93-5594	#94-5430	#95-5515	#96-5279	#97-5612	#98-5694	#99-5436	#100-5555

Type 6 #17 [Back to Summary]

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

#01-5654	#02-5349	#03-5642	#04-5715	#05-5482	#06-5626	#07-5428	#08-5314	#09-5295	#10-5723
#11-5341	#12-5373	#13-5406	#14-5510	#15-5506	#16-5310	#17-5544	#18-5621	#19-5477	#20-5287
#21-5523	#22-5446	#23-5559	#24-5350	#25-5587	#26-5299	#27-5575	#28-5412	#29-5601	#30-5297
#31-5258	#32-5683	#33-5609	#34-5691	#35-5542	#36-5660	#37-5437	#38-5279	#39-5669	#40-5479
#41-5419	#42-5678	#43-5270	#44-5537	#45-5291	#46-5645	#47-5616	#48-5459	#49-5467	#50-5398
#51-5281	#52-5457	#53-5515	#54-5541	#55-5377	#56-5433	#57-5301	#58-5266	#59-5714	#60-5383
#61-5489	#62-5440	#63-5692	#64-5570	#65-5598	#66-5514	#67-5677	#68-5722	#69-5593	#70-5539
#71-5538	#72-5545	#73-5586	#74-5403	#75-5710	#76-5562	#77-5267	#78-5465	#79-5460	#80-5334
#81-5395	#82-5620	#83-5485	#84-5491	#85-5481	#86-5280	#87-5527	#88-5413	#89-5288	#90-5469
#91-5530	#92-5436	#93-5490	#94-5700	#95-5253	#96-5556	#97-5571	#98-5371	#99-5451	#100-5410

Type 6 #18 [Back to Summary]

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

#01-5696	#02-5642	#03-5278	#04-5505	#05-5607	#06-5425	#07-5702	#08-5613	#09-5441	#10-5544
#11-5439	#12-5328	#13-5461	#14-5508	#15-5384	#16-5268	#17-5589	#18-5701	#19-5715	#20-5692
#21-5617	#22-5704	#23-5721	#24-5655	#25-5473	#26-5569	#27-5419	#28-5319	#29-5639	#30-5306
#31-5541	#32-5289	#33-5321	#34-5308	#35-5485	#36-5498	#37-5467	#38-5712	#39-5290	#40-5572
#41-5650	#42-5340	#43-5358	#44-5279	#45-5442	#46-5593	#47-5537	#48-5706	#49-5395	#50-5596
#51-5483	#52-5517	#53-5717	#54-5646	#55-5348	#56-5281	#57-5288	#58-5255	#59-5334	#60-5543
#61-5526	#62-5488	#63-5623	#64-5389	#65-5449	#66-5495	#67-5372	#68-5632	#69-5253	#70-5652
#71-5561	#72-5381	#73-5320	#74-5564	#75-5365	#76-5540	#77-5274	#78-5506	#79-5657	#80-5635
#81-5669	#82-5530	#83-5529	#84-5315	#85-5399	#86-5435	#87-5680	#88-5487	#89-5296	#90-5411
#91-5614	#92-5694	#93-5292	#94-5584	#95-5592	#96-5556	#97-5586	#98-5575	#99-5509	#100-5641

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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

#01-5473	#02-5278	#03-5310	#04-5286	#05-5594	#06-5577	#07-5678	#08-5483	#09-5585	#10-5383
#11-5309	#12-5345	#13-5661	#14-5600	#15-5271	#16-5696	#17-5323	#18-5335	#19-5634	#20-5372
#21-5296	#22-5650	#23-5710	#24-5304	#25-5464	#26-5322	#27-5397	#28-5327	#29-5699	#30-5573
#31-5454	#32-5713	#33-5615	#34-5519	#35-5532	#36-5620	#37-5450	#38-5427	#39-5558	#40-5488
#41-5561	#42-5583	#43-5671	#44-5647	#45-5612	#46-5571	#47-5606	#48-5501	#49-5666	#50-5386
#51-5595	#52-5547	#53-5292	#54-5255	#55-5521	#56-5429	#57-5601	#58-5508	#59-5262	#60-5654
#61-5320	#62-5392	#63-5317	#64-5318	#65-5326	#66-5598	#67-5633	#68-5325	#69-5608	#70-5460
#71-5621	#72-5377	#73-5394	#74-5518	#75-5400	#76-5510	#77-5480	#78-5364	#79-5691	#80-5297
#81-5478	#82-5648	#83-5709	#84-5635	#85-5614	#86-5628	#87-5630	#88-5379	#89-5302	#90-5266
#91-5653	#92-5563	#93-5466	#94-5505	#95-5544	#96-5503	#97-5258	#98-5592	#99-5590	#100-5385

Type 6 #20 [Back to Summary]

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

#01-5650	#02-5640	#03-5586	#04-5278	#05-5371	#06-5643	#07-5370	#08-5394	#09-5296	#10-5700
#11-5273	#12-5701	#13-5468	#14-5332	#15-5407	#16-5437	#17-5694	#18-5252	#19-5671	#20-5720
#21-5605	#22-5448	#23-5555	#24-5301	#25-5619	#26-5691	#27-5702	#28-5580	#29-5682	#30-5335
#31-5432	#32-5699	#33-5513	#34-5309	#35-5719	#36-5599	#37-5509	#38-5460	#39-5491	#40-5632
#41-5695	#42-5677	#43-5540	#44-5490	#45-5286	#46-5461	#47-5345	#48-5321	#49-5288	#50-5590
#51-5508	#52-5295	#53-5442	#54-5280	#55-5476	#56-5393	#57-5538	#58-5338	#59-5615	#60-5566
#61-5251	#62-5679	#63-5413	#64-5409	#65-5467	#66-5479	#67-5499	#68-5635	#69-5495	#70-5265
#71-5536	#72-5583	#73-5607	#74-5469	#75-5441	#76-5263	#77-5527	#78-5723	#79-5622	#80-5283
#81-5507	#82-5348	#83-5344	#84-5606	#85-5312	#86-5489	#87-5331	#88-5656	#89-5637	#90-5668
#91-5373	#92-5279	#93-5452	#94-5384	#95-5264	#96-5415	#97-5618	#98-5447	#99-5510	#100-5419

Type 6 #21 [Back to Summary]

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

#01-5395	#02-5302	#03-5534	#04-5393	#05-5260	#06-5610	#07-5411	#08-5447	#09-5433	#10-5678
#11-5380	#12-5405	#13-5278	#14-5290	#15-5297	#16-5501	#17-5292	#18-5675	#19-5597	#20-5699
#21-5346	#22-5330	#23-5412	#24-5333	#25-5603	#26-5581	#27-5708	#28-5457	#29-5390	#30-5310
#31-5563	#32-5315	#33-5437	#34-5641	#35-5646	#36-5680	#37-5663	#38-5427	#39-5296	#40-5475
#41-5471	#42-5664	#43-5479	#44-5623	#45-5356	#46-5487	#47-5698	#48-5368	#49-5367	#50-5559
#51-5406	#52-5444	#53-5299	#54-5697	#55-5371	#56-5309	#57-5381	#58-5279	#59-5715	#60-5293
#61-5618	#62-5542	#63-5340	#64-5566	#65-5516	#66-5342	#67-5562	#68-5589	#69-5629	#70-5478
#71-5407	#72-5575	#73-5514	#74-5285	#75-5497	#76-5343	#77-5259	#78-5338	#79-5273	#80-5253
#81-5633	#82-5717	#83-5592	#84-5674	#85-5558	#86-5266	#87-5480	#88-5620	#89-5586	#90-5331
#91-5682	#92-5695	#93-5579	#94-5276	#95-5529	#96-5540	#97-5655	#98-5690	#99-5616	#100-5582

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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									
#01-5274	#02-5608	#03-5661	#04-5418	#05-5626	#06-5270	#07-5713	#08-5538	#09-5431	#10-5574
#11-5649	#12-5419	#13-5508	#14-5684	#15-5543	#16-5613	#17-5323	#18-5722	#19-5511	#20-5714
#21-5432	#22-5328	#23-5708	#24-5372	#25-5404	#26-5312	#27-5469	#28-5339	#29-5598	#30-5276
#31-5700	#32-5552	#33-5701	#34-5579	#35-5412	#36-5329	#37-5604	#38-5578	#39-5600	#40-5597
#41-5518	#42-5500	#43-5665	#44-5296	#45-5410	#46-5492	#47-5569	#48-5292	#49-5686	#50-5692
#51-5355	#52-5382	#53-5399	#54-5670	#55-5625	#56-5539	#57-5264	#58-5564	#59-5526	#60-5624
#61-5465	#62-5558	#63-5547	#64-5673	#65-5591	#66-5532	#67-5354	#68-5380	#69-5533	#70-5444
#71-5394	#72-5635	#73-5366	#74-5639	#75-5553	#76-5325	#77-5718	#78-5544	#79-5341	#80-5281
#81-5636	#82-5308	#83-5595	#84-5420	#85-5551	#86-5634	#87-5512	#88-5515	#89-5590	#90-5324
#91-5698	#92-5302	#93-5666	#94-5368	#95-5347	#96-5685	#97-5464	#98-5483	#99-5548	#100-5265

Type 6 #23 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5485	#02-5366	#03-5582	#04-5464	#05-5270	#06-5269	#07-5627	#08-5532	#09-5434	#10-5647
#11-5488	#12-5328	#13-5420	#14-5705	#15-5445	#16-5592	#17-5268	#18-5578	#19-5379	#20-5561
#21-5393	#22-5586	#23-5612	#24-5649	#25-5702	#26-5424	#27-5584	#28-5409	#29-5475	#30-5522
#31-5484	#32-5401	#33-5405	#34-5316	#35-5517	#36-5655	#37-5300	#38-5570	#39-5720	#40-5422
#41-5416	#42-5593	#43-5604	#44-5373	#45-5704	#46-5723	#47-5639	#48-5419	#49-5607	#50-5597
#51-5623	#52-5479	#53-5657	#54-5486	#55-5467	#56-5307	#57-5636	#58-5504	#59-5254	#60-5651
#61-5265	#62-5653	#63-5661	#64-5692	#65-5258	#66-5384	#67-5389	#68-5701	#69-5718	#70-5295
#71-5682	#72-5301	#73-5476	#74-5315	#75-5518	#76-5417	#77-5287	#78-5539	#79-5250	#80-5560
#81-5679	#82-5358	#83-5681	#84-5489	#85-5600	#86-5342	#87-5357	#88-5340	#89-5312	#90-5497
#91-5630	#92-5284	#93-5468	#94-5620	#95-5610	#96-5611	#97-5528	#98-5530	#99-5327	#100-5555

Type 6 #24 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5578	#02-5274	#03-5663	#04-5383	#05-5457	#06-5471	#07-5615	#08-5403	#09-5258	#10-5549
#11-5434	#12-5593	#13-5286	#14-5354	#15-5420	#16-5589	#17-5668	#18-5538	#19-5299	#20-5414
#21-5535	#22-5573	#23-5280	#24-5300	#25-5637	#26-5512	#27-5402	#28-5361	#29-5260	#30-5456
#31-5279	#32-5601	#33-5528	#34-5352	#35-5464	#36-5661	#37-5684	#38-5625	#39-5568	#40-5450
#41-5373	#42-5344	#43-5622	#44-5460	#45-5283	#46-5277	#47-5506	#48-5441	#49-5574	#50-5716
#51-5278	#52-5391	#53-5293	#54-5426	#55-5632	#56-5332	#57-5545	#58-5463	#59-5551	#60-5392
#61-5526	#62-5519	#63-5558	#64-5314	#65-5659	#66-5614	#67-5483	#68-5630	#69-5695	#70-5290
#71-5675	#72-5266	#73-5609	#74-5643	#75-5620	#76-5644	#77-5322	#78-5606	#79-5288	#80-5572
#81-5387	#82-5309	#83-5330	#84-5608	#85-5712	#86-5546	#87-5676	#88-5346	#89-5665	#90-5687
#91-5616	#92-5683	#93-5531	#94-5271	#95-5430	#96-5350	#97-5577	#98-5475	#99-5337	#100-5316

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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

#01-5660	#02-5290	#03-5567	#04-5632	#05-5320	#06-5644	#07-5481	#08-5710	#09-5652	#10-5599
#11-5576	#12-5454	#13-5278	#14-5688	#15-5336	#16-5585	#17-5468	#18-5489	#19-5578	#20-5604
#21-5541	#22-5646	#23-5709	#24-5254	#25-5686	#26-5288	#27-5325	#28-5267	#29-5392	#30-5286
#31-5457	#32-5537	#33-5666	#34-5535	#35-5394	#36-5395	#37-5639	#38-5606	#39-5426	#40-5434
#41-5464	#42-5285	#43-5309	#44-5478	#45-5255	#46-5568	#47-5659	#48-5569	#49-5337	#50-5621
#51-5458	#52-5499	#53-5263	#54-5306	#55-5563	#56-5670	#57-5281	#58-5616	#59-5513	#60-5467
#61-5543	#62-5493	#63-5440	#64-5553	#65-5607	#66-5402	#67-5420	#68-5327	#69-5611	#70-5649
#71-5283	#72-5332	#73-5547	#74-5404	#75-5369	#76-5641	#77-5380	#78-5511	#79-5557	#80-5694
#81-5575	#82-5582	#83-5620	#84-5393	#85-5642	#86-5252	#87-5690	#88-5274	#89-5415	#90-5378
#91-5302	#92-5469	#93-5287	#94-5421	#95-5376	#96-5382	#97-5462	#98-5723	#99-5381	#100-5270

Type 6 #26 [Back to Summary]

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

#01-5461	#02-5272	#03-5372	#04-5305	#05-5430	#06-5412	#07-5707	#08-5608	#09-5584	#10-5282
#11-5544	#12-5450	#13-5431	#14-5467	#15-5257	#16-5685	#17-5492	#18-5494	#19-5457	#20-5642
#21-5419	#22-5351	#23-5640	#24-5421	#25-5420	#26-5589	#27-5254	#28-5379	#29-5682	#30-5481
#31-5577	#32-5563	#33-5600	#34-5657	#35-5619	#36-5605	#37-5634	#38-5332	#39-5586	#40-5433
#41-5495	#42-5443	#43-5422	#44-5649	#45-5561	#46-5715	#47-5375	#48-5639	#49-5694	#50-5478
#51-5464	#52-5576	#53-5360	#54-5357	#55-5675	#56-5610	#57-5565	#58-5408	#59-5578	#60-5650
#61-5352	#62-5300	#63-5612	#64-5555	#65-5535	#66-5362	#67-5330	#68-5583	#69-5411	#70-5595
#71-5458	#72-5648	#73-5633	#74-5468	#75-5496	#76-5599	#77-5345	#78-5293	#79-5511	#80-5348
#81-5613	#82-5273	#83-5547	#84-5512	#85-5654	#86-5427	#87-5579	#88-5569	#89-5340	#90-5716
#91-5674	#92-5409	#93-5262	#94-5558	#95-5361	#96-5316	#97-5260	#98-5255	#99-5652	#100-5451

Type 6 #27 [Back to Summary]

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

#01-5614	#02-5429	#03-5277	#04-5691	#05-5313	#06-5574	#07-5607	#08-5566	#09-5331	#10-5412
#11-5514	#12-5531	#13-5713	#14-5401	#15-5560	#16-5644	#17-5417	#18-5604	#19-5329	#20-5542
#21-5476	#22-5622	#23-5633	#24-5439	#25-5721	#26-5716	#27-5459	#28-5400	#29-5281	#30-5602
#31-5342	#32-5345	#33-5623	#34-5474	#35-5720	#36-5525	#37-5363	#38-5255	#39-5686	#40-5499
#41-5634	#42-5436	#43-5410	#44-5360	#45-5413	#46-5406	#47-5526	#48-5396	#49-5567	#50-5376
#51-5573	#52-5388	#53-5368	#54-5502	#55-5317	#56-5583	#57-5397	#58-5415	#59-5300	#60-5534
#61-5421	#62-5617	#63-5676	#64-5651	#65-5564	#66-5369	#67-5303	#68-5598	#69-5367	#70-5293
#71-5435	#72-5473	#73-5561	#74-5611	#75-5552	#76-5599	#77-5609	#78-5285	#79-5690	#80-5496
#81-5485	#82-5667	#83-5273	#84-5296	#85-5539	#86-5333	#87-5584	#88-5627	#89-5416	#90-5467
#91-5462	#92-5480	#93-5687	#94-5513	#95-5503	#96-5456	#97-5590	#98-5546	#99-5346	#100-5619

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

#01-5665	#02-5430	#03-5280	#04-5344	#05-5541	#06-5415	#07-5499	#08-5455	#09-5664	#10-5431
#11-5440	#12-5708	#13-5686	#14-5345	#15-5257	#16-5451	#17-5553	#18-5685	#19-5706	#20-5533
#21-5485	#22-5394	#23-5340	#24-5547	#25-5637	#26-5582	#27-5496	#28-5437	#29-5290	#30-5571
#31-5663	#32-5707	#33-5332	#34-5590	#35-5367	#36-5444	#37-5516	#38-5419	#39-5377	#40-5507
#41-5477	#42-5285	#43-5271	#44-5250	#45-5656	#46-5506	#47-5301	#48-5628	#49-5629	#50-5565
#51-5537	#52-5384	#53-5520	#54-5286	#55-5521	#56-5557	#57-5252	#58-5268	#59-5623	#60-5584
#61-5502	#62-5386	#63-5704	#64-5262	#65-5391	#66-5334	#67-5358	#68-5418	#69-5536	#70-5405
#71-5702	#72-5642	#73-5319	#74-5650	#75-5715	#76-5385	#77-5667	#78-5348	#79-5284	#80-5572
#81-5554	#82-5427	#83-5647	#84-5612	#85-5586	#86-5375	#87-5489	#88-5578	#89-5426	#90-5494
#91-5359	#92-5270	#93-5643	#94-5364	#95-5692	#96-5460	#97-5278	#98-5381	#99-5407	#100-5603

Type 6 #29 [Back to Summary]

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

#01-5652	#02-5595	#03-5470	#04-5717	#05-5632	#06-5262	#07-5607	#08-5487	#09-5642	#10-5403
#11-5352	#12-5382	#13-5450	#14-5561	#15-5631	#16-5436	#17-5531	#18-5674	#19-5280	#20-5462
#21-5313	#22-5657	#23-5549	#24-5667	#25-5616	#26-5256	#27-5600	#28-5418	#29-5591	#30-5456
#31-5319	#32-5627	#33-5414	#34-5659	#35-5626	#36-5557	#37-5427	#38-5620	#39-5679	#40-5362
#41-5341	#42-5508	#43-5340	#44-5613	#45-5443	#46-5528	#47-5310	#48-5333	#49-5654	#50-5328
#51-5351	#52-5670	#53-5539	#54-5720	#55-5295	#56-5350	#57-5387	#58-5439	#59-5449	#60-5692
#61-5516	#62-5324	#63-5258	#64-5636	#65-5579	#66-5697	#67-5399	#68-5459	#69-5660	#70-5253
#71-5537	#72-5322	#73-5357	#74-5507	#75-5526	#76-5716	#77-5469	#78-5369	#79-5511	#80-5624
#81-5519	#82-5302	#83-5700	#84-5445	#85-5257	#86-5645	#87-5593	#88-5711	#89-5325	#90-5268
#91-5433	#92-5567	#93-5571	#94-5592	#95-5347	#96-5338	#97-5315	#98-5332	#99-5363	#100-5634

Type 6 #30 [Back to Summary]

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

#01-5342	#02-5648	#03-5473	#04-5396	#05-5278	#06-5537	#07-5359	#08-5366	#09-5667	#10-5411
#11-5501	#12-5327	#13-5452	#14-5378	#15-5332	#16-5610	#17-5454	#18-5370	#19-5432	#20-5508
#21-5632	#22-5527	#23-5310	#24-5675	#25-5281	#26-5422	#27-5689	#28-5634	#29-5335	#30-5331
#31-5412	#32-5639	#33-5608	#34-5506	#35-5564	#36-5423	#37-5690	#38-5627	#39-5390	#40-5490
#41-5654	#42-5316	#43-5494	#44-5464	#45-5265	#46-5453	#47-5586	#48-5686	#49-5656	#50-5376
#51-5434	#52-5555	#53-5345	#54-5594	#55-5692	#56-5587	#57-5328	#58-5669	#59-5703	#60-5282
#61-5325	#62-5419	#63-5354	#64-5614	#65-5671	#66-5466	#67-5606	#68-5492	#69-5577	#70-5449
#71-5460	#72-5541	#73-5566	#74-5406	#75-5486	#76-5298	#77-5374	#78-5400	#79-5285	#80-5455
#81-5303	#82-5636	#83-5597	#84-5561	#85-5612	#86-5682	#87-5457	#88-5578	#89-5621	#90-5579
#91-5546	#92-5695	#93-5355	#94-5348	#95-5697	#96-5264	#97-5439	#98-5495	#99-5383	#100-5270

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Type 5 #0 [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	9	79275	65	1128	1461	623823	705882
2	1	19	386394	56	0	0	319432	705882
3	1	7	175567	59	0	0	530256	705882
4	1	19	260754	66	0	0	445062	705882
5	1	14	429282	83	0	0	276517	705882
6	2	7	503148	65	1146	0	201458	705882
7	2	14	116995	88	1423	0	587288	705882
8	1	19	470030	60	0	0	235792	705882
9	3	13	226323	59	1867	1074	476441	705882
10	1	6	671864	53	0	0	33965	705882
11	2	13	354530	95	1389	0	349773	705882
12	1	12	92398	73	0	0	613411	705882
13	1	20	4496	90	0	0	701296	705882
14	1	14	272300	70	0	0	433512	705882
15	1	18	653257	51	0	0	52574	705882
16	3	12	580321	68	1540	1637	122180	705882
17	2	9	310978	76	1504	0	393248	705882

Type 5 #1 [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	1096696	79	0	0	103225	1200000
2	1	8	840003	53	0	0	359944	1200000
3	3	16	209751	53	1816	1720	986554	1200000
4	1	13	1123431	76	0	0	76493	1200000
5	3	9	639981	51	975	1628	557263	1200000
6	1	17	530863	94	0	0	669043	1200000
7	1	18	714949	97	0	0	484954	1200000
8	2	17	687060	88	1651	0	511113	1200000
9	3	9	137421	56	1737	1085	1059589	1200000
10	3	15	715736	82	1753	1448	480817	1200000

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Type 5 #2 [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	138717	67	1344	1849	524555	666666
2	3	18	531523	64	1322	1200	132429	666666
3	2	8	341529	94	1028	0	323921	666666
4	1	12	635399	70	0	0	31197	666666
5	3	12	605466	91	1147	1039	58741	666666
6	3	11	560807	95	946	1174	103454	666666
7	1	13	487437	98	0	0	179131	666666
8	3	13	542056	93	1747	1190	121394	666666
9	3	20	440725	100	1466	1136	223039	666666
10	2	18	72407	55	1070	0	593079	666666
11	3	13	521306	56	1344	1117	142731	666666
12	1	11	294884	55	0	0	371727	666666
13	2	20	614710	100	1166	0	50590	666666
14	3	14	430833	69	1090	1774	232762	666666
15	3	6	375140	52	1426	1193	288751	666666
16	3	11	95536	56	1251	1159	568552	666666
17	3	18	511960	72	1914	1259	151317	666666
18	1	16	593902	63	0	0	72701	666666

Type 5 #3 [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	5	312252	100	1199	0	686349	1000000
2	3	13	458181	56	1611	1226	538814	1000000
3	1	12	921390	54	0	0	78556	1000000
4	3	14	134698	61	1910	944	862265	1000000
5	1	8	818998	93	0	0	180909	1000000
6	1	5	796496	86	0	0	203418	1000000
7	1	19	779477	79	0	0	220444	1000000
8	2	12	265635	84	1125	0	733072	1000000
9	2	9	548099	58	1703	0	450082	1000000
10	3	9	408742	64	1687	1470	587909	1000000
11	3	15	238658	93	1674	1793	757596	1000000
12	1	18	479982	57	0	0	519961	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	16	684850	53	0	0	515097	1200000
2	3	11	520346	77	1340	1691	676392	1200000
3	3	9	447499	98	1700	1643	748864	1200000
4	2	20	408244	100	1463	0	790093	1200000
5	1	20	302059	83	0	0	897858	1200000
6	3	19	414320	57	1368	1364	782777	1200000
7	2	7	243927	90	1845	0	954048	1200000
8	1	7	873737	99	0	0	326164	1200000
9	3	17	1065080	67	1909	1059	131751	1200000
10	2	7	817255	99	1767	0	380780	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	3	19	1061092	96	957	1315	269681	1333333
2	1	11	690100	89	0	0	643144	1333333
3	3	6	159073	67	1257	1101	1171701	1333333
4	3	10	288261	77	1525	1755	1041561	1333333
5	3	11	481138	50	1625	1777	848643	1333333
6	2	16	984580	59	1501	0	347134	1333333
7	1	18	347005	76	0	0	986252	1333333
8	3	8	433508	90	1570	1301	896684	1333333
9	1	11	1182089	67	0	0	151177	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	3	6	53193	63	1544	1440	610300	666666
2	1	8	582486	83	0	0	84097	666666
3	2	20	139942	87	1871	0	524679	666666
4	1	11	404539	89	0	0	262038	666666
5	3	9	493699	90	1770	1893	169034	666666
6	1	12	593825	98	0	0	72743	666666
7	2	20	16687	83	1705	0	648108	666666
8	2	6	38010	65	1077	0	627449	666666
9	2	18	256938	94	1578	0	407962	666666
10	1	8	468084	52	0	0	198530	666666
11	1	13	607439	55	0	0	59172	666666
12	3	5	81001	100	1323	1302	582740	666666
13	3	7	533688	68	1811	1695	129268	666666
14	1	20	630486	82	0	0	36098	666666
15	1	7	416689	96	0	0	249881	666666
16	2	5	417084	98	1834	0	247552	666666
17	2	16	159819	87	1819	0	504854	666666
18	1	18	501943	90	0	0	164633	666666

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	8	335336	51	1842	1900	860769	1200000
2	3	20	211671	76	1031	1791	985279	1200000
3	2	9	317125	55	1330	0	881435	1200000
4	3	13	82282	97	1769	1879	1113779	1200000
5	3	11	1074075	97	1076	1352	123206	1200000
6	2	20	537037	99	1358	0	661407	1200000
7	1	6	28386	96	0	0	1171518	1200000
8	1	15	511300	67	0	0	688633	1200000
9	1	17	355166	92	0	0	844742	1200000
10	1	14	1026539	79	0	0	173382	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	3	8	570597	95	1226	1725	26167	600000
2	2	14	152007	99	1008	0	446787	600000
3	2	7	430746	69	1827	0	167289	600000
4	1	11	170796	98	0	0	429106	600000
5	1	14	519292	87	0	0	80621	600000
6	2	8	379329	98	936	0	219539	600000
7	1	18	24951	80	0	0	574969	600000
8	2	6	76185	56	1184	0	522519	600000
9	2	15	382953	99	961	0	215888	600000
10	1	17	384368	71	0	0	215561	600000
11	3	14	138193	94	1865	1536	458124	600000
12	2	6	209733	88	1224	0	388867	600000
13	3	16	179279	94	1293	1235	417911	600000
14	2	14	3076	71	1686	0	595096	600000
15	3	5	361756	74	1544	1338	235140	600000
16	1	10	268802	55	0	0	331143	600000
17	2	13	34540	66	1102	0	564226	600000
18	1	14	282428	98	0	0	317474	600000
19	3	17	280985	51	1840	1194	315828	600000
20	1	16	203550	64	0	0	396386	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	1	19	483232	61	0	0	222589	705882
2	1	19	8227	54	0	0	697601	705882
3	3	14	633278	99	1896	1862	68549	705882
4	1	7	154450	77	0	0	551355	705882
5	1	13	567450	100	0	0	138332	705882
6	1	20	46770	95	0	0	659017	705882
7	2	7	221791	90	1068	0	482843	705882
8	2	15	295181	89	1354	0	409169	705882
9	2	7	270485	94	1868	0	433341	705882
10	3	13	561708	90	1204	946	141754	705882
11	3	19	323247	50	1046	1022	380417	705882
12	2	8	701941	58	1048	0	2777	705882
13	3	13	464913	99	1030	1766	237876	705882
14	2	8	323220	56	1272	0	381278	705882
15	3	9	429579	56	1035	1254	273846	705882
16	2	14	660816	50	1544	0	43422	705882
17	1	17	159130	80	0	0	546672	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	11	703646	100	0	0	796254	1500000
2	1	11	239995	65	0	0	1259940	1500000
3	1	9	126484	73	0	0	1373443	1500000
4	1	7	1210974	93	0	0	288933	1500000
5	2	7	1211980	76	1728	0	286140	1500000
6	3	16	749206	57	1497	1128	747998	1500000
7	2	16	508401	89	1816	0	989605	1500000
8	2	11	1210774	80	1055	0	288011	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	15	80205	76	0	0	551297	631578
2	3	10	471068	93	1431	1795	157005	631578
3	2	17	386282	56	1016	0	244168	631578
4	2	9	432891	62	1779	0	196784	631578
5	3	17	280911	52	980	1336	348195	631578
6	2	12	282461	96	1432	0	347493	631578
7	1	14	197858	100	0	0	433620	631578
8	2	15	185380	56	987	0	445099	631578
9	2	9	614531	51	1700	0	15245	631578
10	2	18	136747	96	1631	0	493008	631578
11	2	9	595162	57	1063	0	35239	631578
12	1	15	466477	85	0	0	165016	631578
13	2	12	226434	65	1013	0	404001	631578
14	1	7	118223	70	0	0	513285	631578
15	3	9	343523	98	1474	1119	285168	631578
16	1	17	39025	95	0	0	592458	631578
17	1	13	453082	88	0	0	178408	631578
18	1	7	190453	61	0	0	441064	631578
19	3	15	295158	94	1061	1871	333206	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	561263	100	1851	0	36686	600000
2	2	13	43911	79	1643	0	554288	600000
3	3	17	483457	96	1834	1653	112768	600000
4	1	15	356060	70	0	0	243870	600000
5	3	14	105082	98	1153	1753	491718	600000
6	1	9	312387	83	0	0	287530	600000
7	2	18	397889	100	1528	0	200383	600000
8	2	19	366674	68	1753	0	231437	600000
9	2	18	245368	62	1582	0	352926	600000
10	1	10	592981	70	0	0	6949	600000
11	1	17	196045	81	0	0	403874	600000
12	3	14	59842	98	1303	1589	536972	600000
13	3	19	280437	72	1185	1129	317033	600000
14	3	7	262581	54	1210	1137	334910	600000
15	1	5	71359	79	0	0	528562	600000
16	3	20	457430	57	1784	1481	139134	600000
17	2	7	506732	84	1829	0	91271	600000
18	2	15	93553	98	968	0	505283	600000
19	3	5	586057	92	1072	1456	11139	600000
20	2	14	157932	58	1170	0	440782	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	12	1007763	82	1097	1219	323008	1333333
2	1	12	1128623	73	0	0	204637	1333333
3	2	18	97285	100	1159	0	1234689	1333333
4	1	7	172079	81	0	0	1161173	1333333
5	2	5	383596	60	1696	0	947921	1333333
6	2	14	696303	93	1679	0	635165	1333333
7	3	9	1157965	61	1442	1459	172284	1333333
8	2	15	263751	71	1283	0	1068157	1333333
9	2	16	362791	80	1758	0	968624	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	19	828285	64	1262	0	670325	1500000
2	2	17	1141181	55	1855	0	356854	1500000
3	3	15	640993	60	1381	1126	856320	1500000
4	3	14	449832	85	1168	1408	1047337	1500000
5	2	18	1177087	76	1878	0	320883	1500000
6	3	14	23354	100	1237	1818	1473291	1500000
7	2	9	294534	76	1787	0	1203527	1500000
8	1	8	1062945	88	0	0	436967	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	8	6075	84	0	0	793841	800000
2	3	5	173706	50	1618	959	623567	800000
3	1	5	719918	79	0	0	80003	800000
4	2	14	134169	73	1615	0	664070	800000
5	3	11	162854	66	1890	1115	633943	800000
6	3	14	690593	96	1645	1377	106097	800000
7	1	16	223980	89	0	0	575931	800000
8	3	20	751890	82	1791	1838	44235	800000
9	3	16	377286	66	1930	1821	418765	800000
10	2	16	51788	74	1544	0	746520	800000
11	1	9	546821	96	0	0	253083	800000
12	3	17	385241	52	1938	1056	411609	800000
13	3	10	281223	77	1901	1709	514936	800000
14	2	18	651169	78	1575	0	147100	800000
15	1	11	78443	93	0	0	721464	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	12	568843	66	0	0	522000	1090909
2	1	18	874821	50	0	0	216038	1090909
3	3	11	633718	94	1502	1016	454391	1090909
4	1	17	502846	95	0	0	587968	1090909
5	3	10	131431	90	928	1010	957270	1090909
6	3	19	863083	96	1869	1153	224516	1090909
7	1	14	512513	95	0	0	578301	1090909
8	3	13	997811	74	1513	1317	90046	1090909
9	3	20	25635	78	1831	1879	1061330	1090909
10	2	13	476469	62	1872	0	612444	1090909
11	2	9	181681	70	1838	0	907250	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	1	7	134610	88	0	0	1065302	1200000
2	3	8	12988	78	1749	1420	1183609	1200000
3	2	15	269435	86	1257	0	929136	1200000
4	1	6	959589	54	0	0	240357	1200000
5	1	7	886538	59	0	0	313403	1200000
6	2	12	426707	82	1234	0	771895	1200000
7	2	9	834405	75	1488	0	363957	1200000
8	1	18	260919	60	0	0	939021	1200000
9	3	20	548538	90	1681	992	648519	1200000
10	1	13	1021337	90	0	0	178573	1200000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	10	159667	66	0	0	640267	800000
2	1	5	131565	56	0	0	668379	800000
3	1	12	347745	85	0	0	452170	800000
4	1	7	795875	93	0	0	4032	800000
5	3	5	316883	53	1338	1079	480541	800000
6	3	10	86997	64	1740	1206	709865	800000
7	3	15	578499	87	1026	1518	218696	800000
8	1	7	62349	66	0	0	737585	800000
9	2	8	644822	79	967	0	154053	800000
10	2	10	734775	67	1693	0	63398	800000
11	3	9	366638	73	1652	1436	430055	800000
12	2	12	704996	91	950	0	93872	800000
13	1	19	366425	93	0	0	433482	800000
14	1	10	664174	51	0	0	135775	800000
15	2	18	523054	86	1723	0	275051	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	6	249649	57	1533	0	498704	750000
2	3	5	181686	98	1252	1101	565667	750000
3	2	14	200083	98	1046	0	548675	750000
4	1	7	146569	93	0	0	603338	750000
5	1	10	441139	86	0	0	308775	750000
6	2	20	185914	75	1451	0	562485	750000
7	1	15	468004	53	0	0	281943	750000
8	1	9	279625	52	0	0	470323	750000
9	1	6	691417	57	0	0	58526	750000
10	1	16	161218	75	0	0	588707	750000
11	3	16	283336	54	1632	1190	463680	750000
12	3	12	617195	83	1389	1654	129513	750000
13	2	18	324806	53	1898	0	423190	750000
14	3	7	630925	56	1532	1767	115608	750000
15	2	19	534827	92	1010	0	213979	750000
16	1	19	157883	63	0	0	592054	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	11	671123	83	1154	0	127557	800000
2	1	6	793136	92	0	0	6772	800000
3	1	10	386736	82	0	0	413182	800000
4	3	9	370506	57	1097	1431	426795	800000
5	2	15	187033	79	945	0	611864	800000
6	1	10	221257	93	0	0	578650	800000
7	1	7	464581	81	0	0	335338	800000
8	2	6	341949	61	1351	0	456578	800000
9	3	17	475921	80	1222	977	321640	800000
10	2	8	15045	60	1291	0	783544	800000
11	3	19	670617	71	1715	1355	126100	800000
12	1	15	143142	88	0	0	656770	800000
13	1	15	445974	100	0	0	353926	800000
14	3	20	209264	68	981	1727	587824	800000
15	3	18	536697	87	1354	1807	259881	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	10	1462660	51	968	0	36270	1500000
2	2	10	1105853	66	1795	0	392220	1500000
3	2	15	565800	57	1143	0	932943	1500000
4	3	15	1115020	62	1544	1074	382176	1500000
5	1	15	247717	61	0	0	1252222	1500000
6	2	9	816402	54	1164	0	682326	1500000
7	2	17	739567	95	1680	0	758563	1500000
8	3	7	485646	63	996	1424	1011745	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	14	68077	82	1813	1028	1019745	1090909
2	2	14	314023	99	1664	0	775024	1090909
3	2	9	746631	66	1736	0	342410	1090909
4	3	11	343413	77	986	1026	745253	1090909
5	1	11	991543	75	0	0	99291	1090909
6	3	12	128320	83	1006	1536	959798	1090909
7	3	10	293915	75	1524	1028	794217	1090909
8	1	19	276441	51	0	0	814417	1090909
9	3	14	242845	84	1130	1369	845313	1090909
10	3	9	284060	80	1435	994	804180	1090909
11	1	10	74570	81	0	0	1016258	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	1	16	401334	68	0	0	455740	857142
2	2	7	695178	57	1669	0	160181	857142
3	3	14	330711	60	1524	1164	523563	857142
4	1	11	525723	93	0	0	331326	857142
5	3	12	775469	59	1424	1687	78385	857142
6	3	5	590768	55	1496	1322	263391	857142
7	1	17	101824	51	0	0	755267	857142
8	3	17	370042	59	1333	1478	484112	857142
9	2	9	5846	82	1630	0	849502	857142
10	3	16	198972	64	1027	1218	655733	857142
11	3	9	825381	58	1688	1816	28083	857142
12	2	5	150324	88	1039	0	705603	857142
13	2	20	690370	63	1483	0	165163	857142
14	1	20	55498	86	0	0	801558	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	1	16	1222276	74	0	0	277650	1500000
2	1	19	94547	51	0	0	1405402	1500000
3	3	12	809595	68	1026	1391	687784	1500000
4	3	10	336945	74	1723	1139	1159971	1500000
5	2	9	306687	75	1238	0	1191925	1500000
6	1	12	1371416	89	0	0	128495	1500000
7	1	6	326518	99	0	0	1173383	1500000
8	1	16	909767	82	0	0	590151	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	15	135304	97	1588	0	462914	600000
2	3	10	402395	86	1718	1313	194316	600000
3	2	19	502233	87	1689	0	95904	600000
4	2	7	365252	79	1307	0	233283	600000
5	1	12	89212	63	0	0	510725	600000
6	2	10	135423	69	1808	0	462631	600000
7	3	18	167191	59	1382	1078	430172	600000
8	2	9	356993	98	1436	0	241375	600000
9	3	10	270155	60	1726	1519	326420	600000
10	1	11	525742	66	0	0	74192	600000
11	1	8	192590	76	0	0	407334	600000
12	2	8	357862	84	1452	0	240518	600000
13	2	12	301734	68	1509	0	296621	600000
14	2	9	296752	73	1712	0	301390	600000
15	1	9	378803	70	0	0	221127	600000
16	3	5	339746	88	1800	1567	256623	600000
17	1	5	299085	67	0	0	300848	600000
18	2	15	72003	92	1553	0	526260	600000
19	3	10	88640	80	1344	1593	508183	600000
20	1	15	521273	70	0	0	78657	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	1	9	905031	58	0	0	185820	1090909
2	1	17	975553	74	0	0	115282	1090909
3	2	12	612969	79	1706	0	476076	1090909
4	3	5	246822	71	1256	1896	840722	1090909
5	3	18	967204	92	1079	1007	121343	1090909
6	3	15	380413	99	1384	1453	707362	1090909
7	2	10	14886	50	1411	0	1074512	1090909
8	1	11	948879	60	0	0	141970	1090909
9	1	8	596354	88	0	0	494467	1090909
10	1	17	500054	91	0	0	590764	1090909
11	1	19	470128	55	0	0	620726	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	1	9	914463	73	0	0	8540	923076
2	1	7	469367	97	0	0	453612	923076
3	1	19	206695	70	0	0	716311	923076
4	1	8	466135	89	0	0	456852	923076
5	2	6	329033	99	1474	0	592371	923076
6	2	14	795497	54	1570	0	125901	923076
7	1	13	355751	57	0	0	567268	923076
8	2	19	760685	82	1897	0	160330	923076
9	3	5	196505	59	1851	1202	723341	923076
10	2	10	297475	98	1236	0	624169	923076
11	1	14	880004	52	0	0	43020	923076
12	3	17	541353	56	1802	986	378767	923076
13	2	10	807367	84	1216	0	114325	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	5	139146	87	1152	1218	1358223	1500000
2	3	10	1293012	64	1322	1000	204474	1500000
3	2	15	415193	100	1630	0	1082977	1500000
4	1	5	829796	85	0	0	670119	1500000
5	2	9	90917	77	1777	0	1407152	1500000
6	3	13	911776	62	1444	1594	585000	1500000
7	2	10	480241	58	1153	0	1018490	1500000
8	1	6	178699	50	0	0	1321251	1500000

Type 5 #29 [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	5	543113	73	1851	0	545799	1090909
2	1	15	430253	97	0	0	660559	1090909
3	1	18	532421	80	0	0	558408	1090909
4	2	17	266377	59	1327	0	823087	1090909
5	1	17	895842	85	0	0	194982	1090909
6	3	12	484074	73	1114	1557	603945	1090909
7	2	9	966951	59	1567	0	122273	1090909
8	1	6	214675	97	0	0	876137	1090909
9	3	19	121459	78	1227	1812	966177	1090909
10	2	13	1013754	50	1634	0	75421	1090909
11	1	16	843290	78	0	0	247541	1090909

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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

#01-5684	#02-5448	#03-5505	#04-5632	#05-5594	#06-5537	#07-5461	#08-5398	#09-5447	#10-5481
#11-5362	#12-5351	#13-5621	#14-5714	#15-5716	#16-5359	#17-5488	#18-5298	#19-5522	#20-5466
#21-5574	#22-5377	#23-5438	#24-5661	#25-5587	#26-5315	#27-5463	#28-5707	#29-5581	#30-5452
#31-5658	#32-5474	#33-5492	#34-5473	#35-5591	#36-5311	#37-5423	#38-5531	#39-5480	#40-5368
#41-5638	#42-5560	#43-5676	#44-5634	#45-5263	#46-5503	#47-5465	#48-5453	#49-5685	#50-5712
#51-5370	#52-5292	#53-5557	#54-5260	#55-5569	#56-5295	#57-5528	#58-5323	#59-5479	#60-5590
#61-5279	#62-5428	#63-5601	#64-5378	#65-5376	#66-5426	#67-5600	#68-5710	#69-5455	#70-5627
#71-5524	#72-5635	#73-5406	#74-5449	#75-5272	#76-5670	#77-5353	#78-5266	#79-5619	#80-5457
#81-5251	#82-5459	#83-5608	#84-5609	#85-5381	#86-5325	#87-5506	#88-5612	#89-5261	#90-5698
#91-5277	#92-5334	#93-5721	#94-5384	#95-5562	#96-5654	#97-5467	#98-5385	#99-5372	#100-5599

Type 6 #2 [Back to Summary]

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

#01-5276	#02-5611	#03-5462	#04-5511	#05-5483	#06-5498	#07-5653	#08-5347	#09-5279	#10-5469
#11-5410	#12-5706	#13-5509	#14-5709	#15-5720	#16-5269	#17-5639	#18-5695	#19-5559	#20-5625
#21-5562	#22-5441	#23-5299	#24-5351	#25-5407	#26-5674	#27-5693	#28-5612	#29-5349	#30-5251
#31-5530	#32-5605	#33-5497	#34-5582	#35-5700	#36-5573	#37-5395	#38-5622	#39-5551	#40-5577
#41-5515	#42-5479	#43-5591	#44-5353	#45-5461	#46-5399	#47-5566	#48-5635	#49-5546	#50-5550
#51-5472	#52-5287	#53-5361	#54-5354	#55-5534	#56-5529	#57-5291	#58-5722	#59-5277	#60-5663
#61-5458	#62-5651	#63-5259	#64-5397	#65-5598	#66-5541	#67-5322	#68-5258	#69-5297	#70-5460
#71-5544	#72-5484	#73-5304	#74-5543	#75-5295	#76-5438	#77-5430	#78-5283	#79-5305	#80-5275
#81-5545	#82-5390	#83-5260	#84-5718	#85-5338	#86-5272	#87-5535	#88-5517	#89-5678	#90-5540
#91-5311	#92-5619	#93-5418	#94-5255	#95-5424	#96-5542	#97-5714	#98-5348	#99-5267	#100-5602

Type 6 #3 [Back to Summary]

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

#01-5299	#02-5321	#03-5710	#04-5721	#05-5533	#06-5572	#07-5630	#08-5474	#09-5433	#10-5355
#11-5593	#12-5386	#13-5564	#14-5547	#15-5708	#16-5711	#17-5487	#18-5504	#19-5506	#20-5253
#21-5423	#22-5409	#23-5652	#24-5403	#25-5601	#26-5401	#27-5424	#28-5583	#29-5488	#30-5575
#31-5555	#32-5292	#33-5718	#34-5406	#35-5669	#36-5266	#37-5286	#38-5538	#39-5709	#40-5356
#41-5635	#42-5562	#43-5436	#44-5429	#45-5521	#46-5281	#47-5447	#48-5432	#49-5440	#50-5661
#51-5460	#52-5566	#53-5263	#54-5428	#55-5614	#56-5394	#57-5557	#58-5370	#59-5381	#60-5397
#61-5296	#62-5582	#63-5525	#64-5551	#65-5393	#66-5407	#67-5603	#68-5691	#69-5675	#70-5673
#71-5520	#72-5400	#73-5343	#74-5586	#75-5698	#76-5472	#77-5607	#78-5569	#79-5679	#80-5716
#81-5392	#82-5657	#83-5638	#84-5345	#85-5450	#86-5704	#87-5703	#88-5304	#89-5597	#90-5453
#91-5418	#92-5577	#93-5683	#94-5588	#95-5576	#96-5578	#97-5628	#98-5694	#99-5613	#100-5289

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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

#01-5554	#02-5474	#03-5605	#04-5713	#05-5664	#06-5415	#07-5644	#08-5567	#09-5641	#10-5647
#11-5674	#12-5525	#13-5427	#14-5406	#15-5628	#16-5302	#17-5669	#18-5430	#19-5351	#20-5414
#21-5429	#22-5549	#23-5344	#24-5471	#25-5504	#26-5667	#27-5442	#28-5480	#29-5259	#30-5370
#31-5568	#32-5637	#33-5681	#34-5639	#35-5412	#36-5643	#37-5301	#38-5650	#39-5405	#40-5284
#41-5309	#42-5385	#43-5387	#44-5675	#45-5503	#46-5618	#47-5399	#48-5526	#49-5684	#50-5523
#51-5634	#52-5448	#53-5593	#54-5449	#55-5584	#56-5255	#57-5379	#58-5384	#59-5458	#60-5721
#61-5698	#62-5558	#63-5520	#64-5328	#65-5286	#66-5569	#67-5512	#68-5718	#69-5710	#70-5251
#71-5268	#72-5274	#73-5316	#74-5354	#75-5294	#76-5411	#77-5394	#78-5692	#79-5611	#80-5518
#81-5640	#82-5460	#83-5461	#84-5369	#85-5482	#86-5305	#87-5513	#88-5642	#89-5441	#90-5408
#91-5311	#92-5620	#93-5552	#94-5592	#95-5596	#96-5467	#97-5298	#98-5533	#99-5699	#100-5522

Type 6 #5 [Back to Summary]

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

#01-5615	#02-5423	#03-5526	#04-5344	#05-5540	#06-5569	#07-5710	#08-5417	#09-5572	#10-5453
#11-5307	#12-5619	#13-5347	#14-5309	#15-5683	#16-5716	#17-5337	#18-5457	#19-5562	#20-5446
#21-5334	#22-5552	#23-5591	#24-5255	#25-5459	#26-5467	#27-5544	#28-5522	#29-5475	#30-5631
#31-5357	#32-5546	#33-5662	#34-5570	#35-5670	#36-5493	#37-5387	#38-5489	#39-5528	#40-5474
#41-5593	#42-5679	#43-5253	#44-5250	#45-5454	#46-5532	#47-5638	#48-5686	#49-5403	#50-5695
#51-5502	#52-5438	#53-5312	#54-5557	#55-5520	#56-5609	#57-5323	#58-5274	#59-5437	#60-5667
#61-5260	#62-5547	#63-5674	#64-5322	#65-5409	#66-5463	#67-5262	#68-5472	#69-5692	#70-5724
#71-5643	#72-5584	#73-5637	#74-5251	#75-5458	#76-5261	#77-5600	#78-5477	#79-5386	#80-5293
#81-5507	#82-5363	#83-5698	#84-5416	#85-5538	#86-5340	#87-5583	#88-5381	#89-5304	#90-5653
#91-5295	#92-5318	#93-5625	#94-5252	#95-5435	#96-5696	#97-5579	#98-5354	#99-5645	#100-5518

Type 6 #6 [Back to Summary]

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

#01-5401	#02-5310	#03-5262	#04-5553	#05-5667	#06-5384	#07-5320	#08-5537	#09-5279	#10-5660
#11-5681	#12-5623	#13-5499	#14-5421	#15-5526	#16-5436	#17-5302	#18-5350	#19-5505	#20-5672
#21-5530	#22-5691	#23-5668	#24-5708	#25-5722	#26-5588	#27-5291	#28-5415	#29-5434	#30-5620
#31-5403	#32-5443	#33-5430	#34-5351	#35-5356	#36-5525	#37-5512	#38-5589	#39-5448	#40-5311
#41-5491	#42-5360	#43-5362	#44-5251	#45-5478	#46-5565	#47-5634	#48-5510	#49-5280	#50-5253
#51-5390	#52-5571	#53-5595	#54-5344	#55-5319	#56-5569	#57-5669	#58-5521	#59-5278	#60-5372
#61-5290	#62-5527	#63-5420	#64-5635	#65-5437	#66-5627	#67-5631	#68-5581	#69-5556	#70-5706
#71-5494	#72-5272	#73-5381	#74-5629	#75-5404	#76-5343	#77-5399	#78-5303	#79-5583	#80-5480
#81-5261	#82-5455	#83-5644	#84-5651	#85-5283	#86-5369	#87-5304	#88-5560	#89-5546	#90-5409
#91-5495	#92-5464	#93-5599	#94-5714	#95-5338	#96-5671	#97-5689	#98-5487	#99-5488	#100-5425

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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

#01-5499	#02-5622	#03-5467	#04-5415	#05-5671	#06-5377	#07-5460	#08-5564	#09-5408	#10-5429
#11-5348	#12-5518	#13-5700	#14-5410	#15-5310	#16-5576	#17-5511	#18-5720	#19-5335	#20-5501
#21-5641	#22-5280	#23-5414	#24-5254	#25-5298	#26-5356	#27-5442	#28-5516	#29-5692	#30-5329
#31-5468	#32-5401	#33-5386	#34-5627	#35-5614	#36-5373	#37-5432	#38-5419	#39-5674	#40-5655
#41-5306	#42-5615	#43-5545	#44-5375	#45-5330	#46-5362	#47-5701	#48-5492	#49-5427	#50-5340
#51-5722	#52-5705	#53-5436	#54-5250	#55-5666	#56-5328	#57-5270	#58-5267	#59-5297	#60-5633
#61-5462	#62-5269	#63-5299	#64-5549	#65-5274	#66-5686	#67-5388	#68-5538	#69-5716	#70-5570
#71-5585	#72-5586	#73-5523	#74-5434	#75-5647	#76-5404	#77-5522	#78-5450	#79-5626	#80-5378
#81-5403	#82-5405	#83-5440	#84-5431	#85-5353	#86-5398	#87-5656	#88-5608	#89-5397	#90-5682
#91-5596	#92-5495	#93-5551	#94-5486	#95-5400	#96-5563	#97-5679	#98-5678	#99-5370	#100-5575

Type 6 #8 [Back to Summary]

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

#01-5451	#02-5482	#03-5406	#04-5424	#05-5629	#06-5618	#07-5361	#08-5261	#09-5368	#10-5645
#11-5395	#12-5593	#13-5692	#14-5322	#15-5681	#16-5434	#17-5567	#18-5454	#19-5687	#20-5437
#21-5628	#22-5652	#23-5663	#24-5345	#25-5333	#26-5440	#27-5254	#28-5684	#29-5496	#30-5439
#31-5251	#32-5285	#33-5590	#34-5412	#35-5674	#36-5672	#37-5699	#38-5277	#39-5715	#40-5286
#41-5670	#42-5477	#43-5574	#44-5680	#45-5327	#46-5606	#47-5494	#48-5594	#49-5474	#50-5657
#51-5671	#52-5524	#53-5543	#54-5310	#55-5341	#56-5613	#57-5401	#58-5490	#59-5653	#60-5471
#61-5393	#62-5557	#63-5352	#64-5635	#65-5257	#66-5487	#67-5427	#68-5697	#69-5400	#70-5683
#71-5338	#72-5664	#73-5485	#74-5651	#75-5328	#76-5570	#77-5675	#78-5537	#79-5643	#80-5380
#81-5611	#82-5607	#83-5563	#84-5351	#85-5610	#86-5429	#87-5549	#88-5353	#89-5263	#90-5577
#91-5417	#92-5598	#93-5297	#94-5466	#95-5506	#96-5713	#97-5349	#98-5371	#99-5626	#100-5678

Type 6 #9 [Back to Summary]

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

#01-5687	#02-5323	#03-5488	#04-5333	#05-5520	#06-5580	#07-5455	#08-5433	#09-5272	#10-5602
#11-5600	#12-5710	#13-5588	#14-5596	#15-5515	#16-5503	#17-5651	#18-5379	#19-5632	#20-5484
#21-5454	#22-5719	#23-5569	#24-5627	#25-5320	#26-5570	#27-5655	#28-5513	#29-5650	#30-5490
#31-5706	#32-5609	#33-5389	#34-5537	#35-5666	#36-5466	#37-5558	#38-5407	#39-5394	#40-5395
#41-5721	#42-5382	#43-5265	#44-5595	#45-5716	#46-5459	#47-5474	#48-5469	#49-5444	#50-5496
#51-5296	#52-5452	#53-5593	#54-5494	#55-5617	#56-5510	#57-5676	#58-5359	#59-5253	#60-5704
#61-5456	#62-5703	#63-5562	#64-5384	#65-5401	#66-5493	#67-5524	#68-5487	#69-5339	#70-5457
#71-5586	#72-5553	#73-5449	#74-5579	#75-5445	#76-5288	#77-5431	#78-5295	#79-5661	#80-5668
#81-5421	#82-5702	#83-5665	#84-5622	#85-5696	#86-5616	#87-5636	#88-5261	#89-5453	#90-5388
#91-5263	#92-5621	#93-5340	#94-5317	#95-5675	#96-5697	#97-5533	#98-5363	#99-5386	#100-5659

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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									
#01-5423	#02-5310	#03-5279	#04-5307	#05-5445	#06-5494	#07-5313	#08-5518	#09-5392	#10-5520
#11-5284	#12-5391	#13-5406	#14-5461	#15-5596	#16-5552	#17-5428	#18-5411	#19-5564	#20-5542
#21-5715	#22-5566	#23-5549	#24-5673	#25-5363	#26-5345	#27-5487	#28-5278	#29-5548	#30-5532
#31-5513	#32-5292	#33-5491	#34-5561	#35-5666	#36-5559	#37-5440	#38-5525	#39-5683	#40-5467
#41-5311	#42-5593	#43-5703	#44-5480	#45-5658	#46-5580	#47-5329	#48-5394	#49-5661	#50-5659
#51-5699	#52-5318	#53-5367	#54-5432	#55-5724	#56-5438	#57-5483	#58-5497	#59-5381	#60-5693
#61-5281	#62-5696	#63-5477	#64-5602	#65-5364	#66-5695	#67-5611	#68-5287	#69-5712	#70-5605
#71-5324	#72-5654	#73-5441	#74-5587	#75-5264	#76-5507	#77-5265	#78-5342	#79-5341	#80-5614
#81-5557	#82-5649	#83-5308	#84-5562	#85-5478	#86-5326	#87-5668	#88-5436	#89-5672	#90-5622
#91-5475	#92-5603	#93-5543	#94-5610	#95-5294	#96-5508	#97-5624	#98-5671	#99-5338	#100-5437

Type 6 #11 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5292	#02-5503	#03-5532	#04-5575	#05-5414	#06-5482	#07-5598	#08-5677	#09-5664	#10-5271
#11-5332	#12-5645	#13-5407	#14-5439	#15-5636	#16-5447	#17-5383	#18-5686	#19-5294	#20-5466
#21-5615	#22-5613	#23-5707	#24-5544	#25-5362	#26-5445	#27-5621	#28-5696	#29-5558	#30-5442
#31-5667	#32-5468	#33-5257	#34-5607	#35-5530	#36-5279	#37-5627	#38-5436	#39-5520	#40-5287
#41-5497	#42-5650	#43-5540	#44-5555	#45-5446	#46-5354	#47-5699	#48-5572	#49-5375	#50-5663
#51-5597	#52-5547	#53-5403	#54-5713	#55-5463	#56-5700	#57-5286	#58-5701	#59-5706	#60-5355
#61-5554	#62-5390	#63-5426	#64-5399	#65-5557	#66-5417	#67-5480	#68-5299	#69-5582	#70-5670
#71-5578	#72-5366	#73-5306	#74-5254	#75-5718	#76-5341	#77-5647	#78-5374	#79-5433	#80-5289
#81-5596	#82-5434	#83-5453	#84-5259	#85-5291	#86-5660	#87-5400	#88-5305	#89-5391	#90-5345
#91-5378	#92-5296	#93-5521	#94-5593	#95-5404	#96-5619	#97-5651	#98-5694	#99-5464	#100-5709

Type 6 #12 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5656	#02-5707	#03-5669	#04-5304	#05-5582	#06-5646	#07-5300	#08-5350	#09-5554	#10-5689
#11-5354	#12-5346	#13-5375	#14-5316	#15-5364	#16-5432	#17-5376	#18-5522	#19-5699	#20-5685
#21-5578	#22-5403	#23-5671	#24-5544	#25-5694	#26-5538	#27-5615	#28-5719	#29-5670	#30-5465
#31-5415	#32-5520	#33-5307	#34-5483	#35-5678	#36-5455	#37-5489	#38-5448	#39-5470	#40-5295
#41-5299	#42-5548	#43-5331	#44-5417	#45-5496	#46-5279	#47-5553	#48-5499	#49-5587	#50-5524
#51-5422	#52-5312	#53-5503	#54-5380	#55-5502	#56-5285	#57-5374	#58-5724	#59-5613	#60-5357
#61-5410	#62-5356	#63-5609	#64-5474	#65-5663	#66-5551	#67-5318	#68-5557	#69-5701	#70-5611
#71-5323	#72-5479	#73-5640	#74-5529	#75-5579	#76-5589	#77-5377	#78-5532	#79-5664	#80-5710
#81-5365	#82-5381	#83-5396	#84-5293	#85-5353	#86-5266	#87-5652	#88-5705	#89-5642	#90-5490
#91-5560	#92-5362	#93-5668	#94-5686	#95-5720	#96-5338	#97-5610	#98-5637	#99-5348	#100-5558

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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

#01-5588	#02-5575	#03-5647	#04-5421	#05-5721	#06-5442	#07-5673	#08-5372	#09-5294	#10-5699
#11-5462	#12-5430	#13-5559	#14-5534	#15-5390	#16-5577	#17-5493	#18-5620	#19-5371	#20-5488
#21-5366	#22-5280	#23-5585	#24-5640	#25-5257	#26-5623	#27-5586	#28-5703	#29-5714	#30-5277
#31-5496	#32-5483	#33-5670	#34-5520	#35-5403	#36-5326	#37-5307	#38-5471	#39-5334	#40-5298
#41-5611	#42-5715	#43-5565	#44-5694	#45-5451	#46-5401	#47-5644	#48-5386	#49-5545	#50-5393
#51-5570	#52-5515	#53-5584	#54-5441	#55-5557	#56-5414	#57-5348	#58-5580	#59-5382	#60-5267
#61-5452	#62-5485	#63-5289	#64-5380	#65-5314	#66-5519	#67-5271	#68-5535	#69-5323	#70-5601
#71-5376	#72-5440	#73-5616	#74-5438	#75-5704	#76-5450	#77-5408	#78-5571	#79-5431	#80-5505
#81-5693	#82-5335	#83-5328	#84-5336	#85-5300	#86-5710	#87-5642	#88-5582	#89-5548	#90-5491
#91-5472	#92-5641	#93-5604	#94-5256	#95-5480	#96-5598	#97-5429	#98-5708	#99-5544	#100-5558

Type 6 #14 [Back to Summary]

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

#01-5369	#02-5380	#03-5536	#04-5560	#05-5672	#06-5260	#07-5399	#08-5685	#09-5533	#10-5702
#11-5469	#12-5689	#13-5550	#14-5605	#15-5684	#16-5519	#17-5617	#18-5375	#19-5690	#20-5663
#21-5349	#22-5444	#23-5652	#24-5697	#25-5608	#26-5325	#27-5500	#28-5352	#29-5264	#30-5454
#31-5712	#32-5480	#33-5473	#34-5591	#35-5312	#36-5355	#37-5295	#38-5543	#39-5461	#40-5491
#41-5643	#42-5447	#43-5503	#44-5379	#45-5583	#46-5604	#47-5561	#48-5273	#49-5520	#50-5474
#51-5698	#52-5578	#53-5620	#54-5269	#55-5660	#56-5609	#57-5564	#58-5677	#59-5596	#60-5484
#61-5297	#62-5671	#63-5329	#64-5714	#65-5713	#66-5466	#67-5683	#68-5542	#69-5629	#70-5556
#71-5479	#72-5422	#73-5431	#74-5722	#75-5567	#76-5274	#77-5446	#78-5664	#79-5328	#80-5705
#81-5627	#82-5572	#83-5376	#84-5471	#85-5456	#86-5285	#87-5443	#88-5696	#89-5368	#90-5513
#91-5391	#92-5367	#93-5646	#94-5420	#95-5569	#96-5392	#97-5562	#98-5459	#99-5721	#100-5400

Type 6 #15 [Back to Summary]

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

#01-5545	#02-5694	#03-5452	#04-5348	#05-5700	#06-5336	#07-5613	#08-5360	#09-5415	#10-5356
#11-5267	#12-5594	#13-5608	#14-5501	#15-5703	#16-5459	#17-5604	#18-5611	#19-5426	#20-5631
#21-5524	#22-5644	#23-5632	#24-5423	#25-5386	#26-5597	#27-5528	#28-5380	#29-5259	#30-5438
#31-5261	#32-5357	#33-5521	#34-5406	#35-5474	#36-5494	#37-5269	#38-5537	#39-5305	#40-5479
#41-5535	#42-5578	#43-5313	#44-5278	#45-5508	#46-5572	#47-5469	#48-5353	#49-5309	#50-5573
#51-5544	#52-5271	#53-5600	#54-5625	#55-5311	#56-5279	#57-5687	#58-5532	#59-5482	#60-5351
#61-5702	#62-5344	#63-5486	#64-5337	#65-5345	#66-5690	#67-5584	#68-5323	#69-5371	#70-5402
#71-5714	#72-5316	#73-5569	#74-5395	#75-5411	#76-5338	#77-5680	#78-5635	#79-5630	#80-5378
#81-5413	#82-5640	#83-5645	#84-5505	#85-5412	#86-5464	#87-5307	#88-5434	#89-5497	#90-5721
#91-5693	#92-5470	#93-5463	#94-5421	#95-5476	#96-5715	#97-5388	#98-5450	#99-5499	#100-5593

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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									
#01-5611	#02-5558	#03-5467	#04-5609	#05-5526	#06-5264	#07-5576	#08-5572	#09-5445	#10-5574
#11-5656	#12-5617	#13-5400	#14-5416	#15-5565	#16-5317	#17-5475	#18-5614	#19-5599	#20-5406
#21-5530	#22-5441	#23-5600	#24-5649	#25-5672	#26-5641	#27-5454	#28-5645	#29-5492	#30-5653
#31-5638	#32-5284	#33-5671	#34-5669	#35-5580	#36-5506	#37-5419	#38-5399	#39-5713	#40-5275
#41-5287	#42-5577	#43-5313	#44-5255	#45-5636	#46-5648	#47-5610	#48-5548	#49-5437	#50-5331
#51-5367	#52-5592	#53-5684	#54-5578	#55-5348	#56-5372	#57-5651	#58-5678	#59-5646	#60-5267
#61-5657	#62-5381	#63-5618	#64-5619	#65-5269	#66-5679	#67-5257	#68-5541	#69-5415	#70-5563
#71-5322	#72-5608	#73-5542	#74-5722	#75-5254	#76-5277	#77-5643	#78-5280	#79-5677	#80-5554
#81-5326	#82-5620	#83-5321	#84-5522	#85-5472	#86-5285	#87-5354	#88-5426	#89-5598	#90-5268
#91-5525	#92-5628	#93-5594	#94-5430	#95-5515	#96-5279	#97-5612	#98-5694	#99-5436	#100-5555

Type 6 #17 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5654	#02-5349	#03-5642	#04-5715	#05-5482	#06-5626	#07-5428	#08-5314	#09-5295	#10-5723
#11-5341	#12-5373	#13-5406	#14-5510	#15-5506	#16-5310	#17-5544	#18-5621	#19-5477	#20-5287
#21-5523	#22-5446	#23-5559	#24-5350	#25-5587	#26-5299	#27-5575	#28-5412	#29-5601	#30-5297
#31-5258	#32-5683	#33-5609	#34-5691	#35-5542	#36-5660	#37-5437	#38-5279	#39-5669	#40-5479
#41-5419	#42-5678	#43-5270	#44-5537	#45-5291	#46-5645	#47-5616	#48-5459	#49-5467	#50-5398
#51-5281	#52-5457	#53-5515	#54-5541	#55-5377	#56-5433	#57-5301	#58-5266	#59-5714	#60-5383
#61-5489	#62-5440	#63-5692	#64-5570	#65-5598	#66-5514	#67-5677	#68-5722	#69-5593	#70-5539
#71-5538	#72-5545	#73-5586	#74-5403	#75-5710	#76-5562	#77-5267	#78-5465	#79-5460	#80-5334
#81-5395	#82-5620	#83-5485	#84-5491	#85-5481	#86-5280	#87-5527	#88-5413	#89-5288	#90-5469
#91-5530	#92-5436	#93-5490	#94-5700	#95-5253	#96-5556	#97-5571	#98-5371	#99-5451	#100-5410

Type 6 #18 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5696	#02-5642	#03-5278	#04-5505	#05-5607	#06-5425	#07-5702	#08-5613	#09-5441	#10-5544
#11-5439	#12-5328	#13-5461	#14-5508	#15-5384	#16-5268	#17-5589	#18-5701	#19-5715	#20-5692
#21-5617	#22-5704	#23-5721	#24-5655	#25-5473	#26-5569	#27-5419	#28-5319	#29-5639	#30-5306
#31-5541	#32-5289	#33-5321	#34-5308	#35-5485	#36-5498	#37-5467	#38-5712	#39-5290	#40-5572
#41-5650	#42-5340	#43-5358	#44-5279	#45-5442	#46-5593	#47-5537	#48-5706	#49-5395	#50-5596
#51-5483	#52-5517	#53-5717	#54-5646	#55-5348	#56-5281	#57-5288	#58-5255	#59-5334	#60-5543
#61-5526	#62-5488	#63-5623	#64-5389	#65-5449	#66-5495	#67-5372	#68-5632	#69-5253	#70-5652
#71-5561	#72-5381	#73-5320	#74-5564	#75-5365	#76-5540	#77-5274	#78-5506	#79-5657	#80-5635
#81-5669	#82-5530	#83-5529	#84-5315	#85-5399	#86-5435	#87-5680	#88-5487	#89-5296	#90-5411
#91-5614	#92-5694	#93-5292	#94-5584	#95-5592	#96-5556	#97-5586	#98-5575	#99-5509	#100-5641

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Title: Aruba Networks, Inc. APEX0100, APEX0101
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB190-U5_DFS Rev A
Issue Date: 16th May 2016
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Type 6 #19 [Back to Summary]

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

#01-5473	#02-5278	#03-5310	#04-5286	#05-5594	#06-5577	#07-5678	#08-5483	#09-5585	#10-5383
#11-5309	#12-5345	#13-5661	#14-5600	#15-5271	#16-5696	#17-5323	#18-5335	#19-5634	#20-5372
#21-5296	#22-5650	#23-5710	#24-5304	#25-5464	#26-5322	#27-5397	#28-5327	#29-5699	#30-5573
#31-5454	#32-5713	#33-5615	#34-5519	#35-5532	#36-5620	#37-5450	#38-5427	#39-5558	#40-5488
#41-5561	#42-5583	#43-5671	#44-5647	#45-5612	#46-5571	#47-5606	#48-5501	#49-5666	#50-5386
#51-5595	#52-5547	#53-5292	#54-5255	#55-5521	#56-5429	#57-5601	#58-5508	#59-5262	#60-5654
#61-5320	#62-5392	#63-5317	#64-5318	#65-5326	#66-5598	#67-5633	#68-5325	#69-5608	#70-5460
#71-5621	#72-5377	#73-5394	#74-5518	#75-5400	#76-5510	#77-5480	#78-5364	#79-5691	#80-5297
#81-5478	#82-5648	#83-5709	#84-5635	#85-5614	#86-5628	#87-5630	#88-5379	#89-5302	#90-5266
#91-5653	#92-5563	#93-5466	#94-5505	#95-5544	#96-5503	#97-5258	#98-5592	#99-5590	#100-5385

Type 6 #20 [Back to Summary]

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

#01-5650	#02-5640	#03-5586	#04-5278	#05-5371	#06-5643	#07-5370	#08-5394	#09-5296	#10-5700
#11-5273	#12-5701	#13-5468	#14-5332	#15-5407	#16-5437	#17-5694	#18-5252	#19-5671	#20-5720
#21-5605	#22-5448	#23-5555	#24-5301	#25-5619	#26-5691	#27-5702	#28-5580	#29-5682	#30-5335
#31-5432	#32-5699	#33-5513	#34-5309	#35-5719	#36-5599	#37-5509	#38-5460	#39-5491	#40-5632
#41-5695	#42-5677	#43-5540	#44-5490	#45-5286	#46-5461	#47-5345	#48-5321	#49-5288	#50-5590
#51-5508	#52-5295	#53-5442	#54-5280	#55-5476	#56-5393	#57-5538	#58-5338	#59-5615	#60-5566
#61-5251	#62-5679	#63-5413	#64-5409	#65-5467	#66-5479	#67-5499	#68-5635	#69-5495	#70-5265
#71-5536	#72-5583	#73-5607	#74-5469	#75-5441	#76-5263	#77-5527	#78-5723	#79-5622	#80-5283
#81-5507	#82-5348	#83-5344	#84-5606	#85-5312	#86-5489	#87-5331	#88-5656	#89-5637	#90-5668
#91-5373	#92-5279	#93-5452	#94-5384	#95-5264	#96-5415	#97-5618	#98-5447	#99-5510	#100-5419

Type 6 #21 [Back to Summary]

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

#01-5395	#02-5302	#03-5534	#04-5393	#05-5260	#06-5610	#07-5411	#08-5447	#09-5433	#10-5678
#11-5380	#12-5405	#13-5278	#14-5290	#15-5297	#16-5501	#17-5292	#18-5675	#19-5597	#20-5699
#21-5346	#22-5330	#23-5412	#24-5333	#25-5603	#26-5581	#27-5708	#28-5457	#29-5390	#30-5310
#31-5563	#32-5315	#33-5437	#34-5641	#35-5646	#36-5680	#37-5663	#38-5427	#39-5296	#40-5475
#41-5471	#42-5664	#43-5479	#44-5623	#45-5356	#46-5487	#47-5698	#48-5368	#49-5367	#50-5559
#51-5406	#52-5444	#53-5299	#54-5697	#55-5371	#56-5309	#57-5381	#58-5279	#59-5715	#60-5293
#61-5618	#62-5542	#63-5340	#64-5566	#65-5516	#66-5342	#67-5562	#68-5589	#69-5629	#70-5478
#71-5407	#72-5575	#73-5514	#74-5285	#75-5497	#76-5343	#77-5259	#78-5338	#79-5273	#80-5253
#81-5633	#82-5717	#83-5592	#84-5674	#85-5558	#86-5266	#87-5480	#88-5620	#89-5586	#90-5331
#91-5682	#92-5695	#93-5579	#94-5276	#95-5529	#96-5540	#97-5655	#98-5690	#99-5616	#100-5582

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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

#01-5274	#02-5608	#03-5661	#04-5418	#05-5626	#06-5270	#07-5713	#08-5538	#09-5431	#10-5574
#11-5649	#12-5419	#13-5508	#14-5684	#15-5543	#16-5613	#17-5323	#18-5722	#19-5511	#20-5714
#21-5432	#22-5328	#23-5708	#24-5372	#25-5404	#26-5312	#27-5469	#28-5339	#29-5598	#30-5276
#31-5700	#32-5552	#33-5701	#34-5579	#35-5412	#36-5329	#37-5604	#38-5578	#39-5600	#40-5597
#41-5518	#42-5500	#43-5665	#44-5296	#45-5410	#46-5492	#47-5569	#48-5292	#49-5686	#50-5692
#51-5355	#52-5382	#53-5399	#54-5670	#55-5625	#56-5539	#57-5264	#58-5564	#59-5526	#60-5624
#61-5465	#62-5558	#63-5547	#64-5673	#65-5591	#66-5532	#67-5354	#68-5380	#69-5533	#70-5444
#71-5394	#72-5635	#73-5366	#74-5639	#75-5553	#76-5325	#77-5718	#78-5544	#79-5341	#80-5281
#81-5636	#82-5308	#83-5595	#84-5420	#85-5551	#86-5634	#87-5512	#88-5515	#89-5590	#90-5324
#91-5698	#92-5302	#93-5666	#94-5368	#95-5347	#96-5685	#97-5464	#98-5483	#99-5548	#100-5265

Type 6 #23 [Back to Summary]

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

#01-5485	#02-5366	#03-5582	#04-5464	#05-5270	#06-5269	#07-5627	#08-5532	#09-5434	#10-5647
#11-5488	#12-5328	#13-5420	#14-5705	#15-5445	#16-5592	#17-5268	#18-5578	#19-5379	#20-5561
#21-5393	#22-5586	#23-5612	#24-5649	#25-5702	#26-5424	#27-5584	#28-5409	#29-5475	#30-5522
#31-5484	#32-5401	#33-5405	#34-5316	#35-5517	#36-5655	#37-5300	#38-5570	#39-5720	#40-5422
#41-5416	#42-5593	#43-5604	#44-5373	#45-5704	#46-5723	#47-5639	#48-5419	#49-5607	#50-5597
#51-5623	#52-5479	#53-5657	#54-5486	#55-5467	#56-5307	#57-5636	#58-5504	#59-5254	#60-5651
#61-5265	#62-5653	#63-5661	#64-5692	#65-5258	#66-5384	#67-5389	#68-5701	#69-5718	#70-5295
#71-5682	#72-5301	#73-5476	#74-5315	#75-5518	#76-5417	#77-5287	#78-5539	#79-5250	#80-5560
#81-5679	#82-5358	#83-5681	#84-5489	#85-5600	#86-5342	#87-5357	#88-5340	#89-5312	#90-5497
#91-5630	#92-5284	#93-5468	#94-5620	#95-5610	#96-5611	#97-5528	#98-5530	#99-5327	#100-5555

Type 6 #24 [Back to Summary]

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

#01-5578	#02-5274	#03-5663	#04-5383	#05-5457	#06-5471	#07-5615	#08-5403	#09-5258	#10-5549
#11-5434	#12-5593	#13-5286	#14-5354	#15-5420	#16-5589	#17-5668	#18-5538	#19-5299	#20-5414
#21-5535	#22-5573	#23-5280	#24-5300	#25-5637	#26-5512	#27-5402	#28-5361	#29-5260	#30-5456
#31-5279	#32-5601	#33-5528	#34-5352	#35-5464	#36-5661	#37-5684	#38-5625	#39-5568	#40-5450
#41-5373	#42-5344	#43-5622	#44-5460	#45-5283	#46-5277	#47-5506	#48-5441	#49-5574	#50-5716
#51-5278	#52-5391	#53-5293	#54-5426	#55-5632	#56-5332	#57-5545	#58-5463	#59-5551	#60-5392
#61-5526	#62-5519	#63-5558	#64-5314	#65-5659	#66-5614	#67-5483	#68-5630	#69-5695	#70-5290
#71-5675	#72-5266	#73-5609	#74-5643	#75-5620	#76-5644	#77-5322	#78-5606	#79-5288	#80-5572
#81-5387	#82-5309	#83-5330	#84-5608	#85-5712	#86-5546	#87-5676	#88-5346	#89-5665	#90-5687
#91-5616	#92-5683	#93-5531	#94-5271	#95-5430	#96-5350	#97-5577	#98-5475	#99-5337	#100-5316

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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

#01-5660	#02-5290	#03-5567	#04-5632	#05-5320	#06-5644	#07-5481	#08-5710	#09-5652	#10-5599
#11-5576	#12-5454	#13-5278	#14-5688	#15-5336	#16-5585	#17-5468	#18-5489	#19-5578	#20-5604
#21-5541	#22-5646	#23-5709	#24-5254	#25-5686	#26-5288	#27-5325	#28-5267	#29-5392	#30-5286
#31-5457	#32-5537	#33-5666	#34-5535	#35-5394	#36-5395	#37-5639	#38-5606	#39-5426	#40-5434
#41-5464	#42-5285	#43-5309	#44-5478	#45-5255	#46-5568	#47-5659	#48-5569	#49-5337	#50-5621
#51-5458	#52-5499	#53-5263	#54-5306	#55-5563	#56-5670	#57-5281	#58-5616	#59-5513	#60-5467
#61-5543	#62-5493	#63-5440	#64-5553	#65-5607	#66-5402	#67-5420	#68-5327	#69-5611	#70-5649
#71-5283	#72-5332	#73-5547	#74-5404	#75-5369	#76-5641	#77-5380	#78-5511	#79-5557	#80-5694
#81-5575	#82-5582	#83-5620	#84-5393	#85-5642	#86-5252	#87-5690	#88-5274	#89-5415	#90-5378
#91-5302	#92-5469	#93-5287	#94-5421	#95-5376	#96-5382	#97-5462	#98-5723	#99-5381	#100-5270

Type 6 #26 [Back to Summary]

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

#01-5461	#02-5272	#03-5372	#04-5305	#05-5430	#06-5412	#07-5707	#08-5608	#09-5584	#10-5282
#11-5544	#12-5450	#13-5431	#14-5467	#15-5257	#16-5685	#17-5492	#18-5494	#19-5457	#20-5642
#21-5419	#22-5351	#23-5640	#24-5421	#25-5420	#26-5589	#27-5254	#28-5379	#29-5682	#30-5481
#31-5577	#32-5563	#33-5600	#34-5657	#35-5619	#36-5605	#37-5634	#38-5332	#39-5586	#40-5433
#41-5495	#42-5443	#43-5422	#44-5649	#45-5561	#46-5715	#47-5375	#48-5639	#49-5694	#50-5478
#51-5464	#52-5576	#53-5360	#54-5357	#55-5675	#56-5610	#57-5565	#58-5408	#59-5578	#60-5650
#61-5352	#62-5300	#63-5612	#64-5555	#65-5535	#66-5362	#67-5330	#68-5583	#69-5411	#70-5595
#71-5458	#72-5648	#73-5633	#74-5468	#75-5496	#76-5599	#77-5345	#78-5293	#79-5511	#80-5348
#81-5613	#82-5273	#83-5547	#84-5512	#85-5654	#86-5427	#87-5579	#88-5569	#89-5340	#90-5716
#91-5674	#92-5409	#93-5262	#94-5558	#95-5361	#96-5316	#97-5260	#98-5255	#99-5652	#100-5451

Type 6 #27 [Back to Summary]

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

#01-5614	#02-5429	#03-5277	#04-5691	#05-5313	#06-5574	#07-5607	#08-5566	#09-5331	#10-5412
#11-5514	#12-5531	#13-5713	#14-5401	#15-5560	#16-5644	#17-5417	#18-5604	#19-5329	#20-5542
#21-5476	#22-5622	#23-5633	#24-5439	#25-5721	#26-5716	#27-5459	#28-5400	#29-5281	#30-5602
#31-5342	#32-5345	#33-5623	#34-5474	#35-5720	#36-5525	#37-5363	#38-5255	#39-5686	#40-5499
#41-5634	#42-5436	#43-5410	#44-5360	#45-5413	#46-5406	#47-5526	#48-5396	#49-5567	#50-5376
#51-5573	#52-5388	#53-5368	#54-5502	#55-5317	#56-5583	#57-5397	#58-5415	#59-5300	#60-5534
#61-5421	#62-5617	#63-5676	#64-5651	#65-5564	#66-5369	#67-5303	#68-5598	#69-5367	#70-5293
#71-5435	#72-5473	#73-5561	#74-5611	#75-5552	#76-5599	#77-5609	#78-5285	#79-5690	#80-5496
#81-5485	#82-5667	#83-5273	#84-5296	#85-5539	#86-5333	#87-5584	#88-5627	#89-5416	#90-5467
#91-5462	#92-5480	#93-5687	#94-5513	#95-5503	#96-5456	#97-5590	#98-5546	#99-5346	#100-5619

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To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB190-U5_DFS Rev A
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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

#01-5665	#02-5430	#03-5280	#04-5344	#05-5541	#06-5415	#07-5499	#08-5455	#09-5664	#10-5431
#11-5440	#12-5708	#13-5686	#14-5345	#15-5257	#16-5451	#17-5553	#18-5685	#19-5706	#20-5533
#21-5485	#22-5394	#23-5340	#24-5547	#25-5637	#26-5582	#27-5496	#28-5437	#29-5290	#30-5571
#31-5663	#32-5707	#33-5332	#34-5590	#35-5367	#36-5444	#37-5516	#38-5419	#39-5377	#40-5507
#41-5477	#42-5285	#43-5271	#44-5250	#45-5656	#46-5506	#47-5301	#48-5628	#49-5629	#50-5565
#51-5537	#52-5384	#53-5520	#54-5286	#55-5521	#56-5557	#57-5252	#58-5268	#59-5623	#60-5584
#61-5502	#62-5386	#63-5704	#64-5262	#65-5391	#66-5334	#67-5358	#68-5418	#69-5536	#70-5405
#71-5702	#72-5642	#73-5319	#74-5650	#75-5715	#76-5385	#77-5667	#78-5348	#79-5284	#80-5572
#81-5554	#82-5427	#83-5647	#84-5612	#85-5586	#86-5375	#87-5489	#88-5578	#89-5426	#90-5494
#91-5359	#92-5270	#93-5643	#94-5364	#95-5692	#96-5460	#97-5278	#98-5381	#99-5407	#100-5603

Type 6 #29 [Back to Summary]

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

#01-5652	#02-5595	#03-5470	#04-5717	#05-5632	#06-5262	#07-5607	#08-5487	#09-5642	#10-5403
#11-5352	#12-5382	#13-5450	#14-5561	#15-5631	#16-5436	#17-5531	#18-5674	#19-5280	#20-5462
#21-5313	#22-5657	#23-5549	#24-5667	#25-5616	#26-5256	#27-5600	#28-5418	#29-5591	#30-5456
#31-5319	#32-5627	#33-5414	#34-5659	#35-5626	#36-5557	#37-5427	#38-5620	#39-5679	#40-5362
#41-5341	#42-5508	#43-5340	#44-5613	#45-5443	#46-5528	#47-5310	#48-5333	#49-5654	#50-5328
#51-5351	#52-5670	#53-5539	#54-5720	#55-5295	#56-5350	#57-5387	#58-5439	#59-5449	#60-5692
#61-5516	#62-5324	#63-5258	#64-5636	#65-5579	#66-5697	#67-5399	#68-5459	#69-5660	#70-5253
#71-5537	#72-5322	#73-5357	#74-5507	#75-5526	#76-5716	#77-5469	#78-5369	#79-5511	#80-5624
#81-5519	#82-5302	#83-5700	#84-5445	#85-5257	#86-5645	#87-5593	#88-5711	#89-5325	#90-5268
#91-5433	#92-5567	#93-5571	#94-5592	#95-5347	#96-5338	#97-5315	#98-5332	#99-5363	#100-5634

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

#01-5342	#02-5648	#03-5473	#04-5396	#05-5278	#06-5537	#07-5359	#08-5366	#09-5667	#10-5411
#11-5501	#12-5327	#13-5452	#14-5378	#15-5332	#16-5610	#17-5454	#18-5370	#19-5432	#20-5508
#21-5632	#22-5527	#23-5310	#24-5675	#25-5281	#26-5422	#27-5689	#28-5634	#29-5335	#30-5331
#31-5412	#32-5639	#33-5608	#34-5506	#35-5564	#36-5423	#37-5690	#38-5627	#39-5390	#40-5490
#41-5654	#42-5316	#43-5494	#44-5464	#45-5265	#46-5453	#47-5586	#48-5686	#49-5656	#50-5376
#51-5434	#52-5555	#53-5345	#54-5594	#55-5692	#56-5587	#57-5328	#58-5669	#59-5703	#60-5282
#61-5325	#62-5419	#63-5354	#64-5614	#65-5671	#66-5466	#67-5606	#68-5492	#69-5577	#70-5449
#71-5460	#72-5541	#73-5566	#74-5406	#75-5486	#76-5298	#77-5374	#78-5400	#79-5285	#80-5455
#81-5303	#82-5636	#83-5597	#84-5561	#85-5612	#86-5682	#87-5457	#88-5578	#89-5621	#90-5579
#91-5546	#92-5695	#93-5355	#94-5348	#95-5697	#96-5264	#97-5439	#98-5495	#99-5383	#100-5270

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To: FCC CFR 47 Part 15 Subpart E 15.407
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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	9	79275	65	1128	1461	623823	705882
2	1	19	386394	56	0	0	319432	705882
3	1	7	175567	59	0	0	530256	705882
4	1	19	260754	66	0	0	445062	705882
5	1	14	429282	83	0	0	276517	705882
6	2	7	503148	65	1146	0	201458	705882
7	2	14	116995	88	1423	0	587288	705882
8	1	19	470030	60	0	0	235792	705882
9	3	13	226323	59	1867	1074	476441	705882
10	1	6	671864	53	0	0	33965	705882
11	2	13	354530	95	1389	0	349773	705882
12	1	12	92398	73	0	0	613411	705882
13	1	20	4496	90	0	0	701296	705882
14	1	14	272300	70	0	0	433512	705882
15	1	18	653257	51	0	0	52574	705882
16	3	12	580321	68	1540	1637	122180	705882
17	2	9	310978	76	1504	0	393248	705882

Type 5 #1 [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	1096696	79	0	0	103225	1200000
2	1	8	840003	53	0	0	359944	1200000
3	3	16	209751	53	1816	1720	986554	1200000
4	1	13	1123431	76	0	0	76493	1200000
5	3	9	639981	51	975	1628	557263	1200000
6	1	17	530863	94	0	0	669043	1200000
7	1	18	714949	97	0	0	484954	1200000
8	2	17	687060	88	1651	0	511113	1200000
9	3	9	137421	56	1737	1085	1059589	1200000
10	3	15	715736	82	1753	1448	480817	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	3	18	138717	67	1344	1849	524555	666666
2	3	18	531523	64	1322	1200	132429	666666
3	2	8	341529	94	1028	0	323921	666666
4	1	12	635399	70	0	0	31197	666666
5	3	12	605466	91	1147	1039	58741	666666
6	3	11	560807	95	946	1174	103454	666666
7	1	13	487437	98	0	0	179131	666666
8	3	13	542056	93	1747	1190	121394	666666
9	3	20	440725	100	1466	1136	223039	666666
10	2	18	72407	55	1070	0	593079	666666
11	3	13	521306	56	1344	1117	142731	666666
12	1	11	294884	55	0	0	371727	666666
13	2	20	614710	100	1166	0	50590	666666
14	3	14	430833	69	1090	1774	232762	666666
15	3	6	375140	52	1426	1193	288751	666666
16	3	11	95536	56	1251	1159	568552	666666
17	3	18	511960	72	1914	1259	151317	666666
18	1	16	593902	63	0	0	72701	666666

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	5	312252	100	1199	0	686349	1000000
2	3	13	458181	56	1611	1226	538814	1000000
3	1	12	921390	54	0	0	78556	1000000
4	3	14	134698	61	1910	944	862265	1000000
5	1	8	818998	93	0	0	180909	1000000
6	1	5	796496	86	0	0	203418	1000000
7	1	19	779477	79	0	0	220444	1000000
8	2	12	265635	84	1125	0	733072	1000000
9	2	9	548099	58	1703	0	450082	1000000
10	3	9	408742	64	1687	1470	587909	1000000
11	3	15	238658	93	1674	1793	757596	1000000
12	1	18	479982	57	0	0	519961	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	16	684850	53	0	0	515097	1200000
2	3	11	520346	77	1340	1691	676392	1200000
3	3	9	447499	98	1700	1643	748864	1200000
4	2	20	408244	100	1463	0	790093	1200000
5	1	20	302059	83	0	0	897858	1200000
6	3	19	414320	57	1368	1364	782777	1200000
7	2	7	243927	90	1845	0	954048	1200000
8	1	7	873737	99	0	0	326164	1200000
9	3	17	1065080	67	1909	1059	131751	1200000
10	2	7	817255	99	1767	0	380780	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	3	19	1061092	96	957	1315	269681	1333333
2	1	11	690100	89	0	0	643144	1333333
3	3	6	159073	67	1257	1101	1171701	1333333
4	3	10	288261	77	1525	1755	1041561	1333333
5	3	11	481138	50	1625	1777	848643	1333333
6	2	16	984580	59	1501	0	347134	1333333
7	1	18	347005	76	0	0	986252	1333333
8	3	8	433508	90	1570	1301	896684	1333333
9	1	11	1182089	67	0	0	151177	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	3	6	53193	63	1544	1440	610300	666666
2	1	8	582486	83	0	0	84097	666666
3	2	20	139942	87	1871	0	524679	666666
4	1	11	404539	89	0	0	262038	666666
5	3	9	493699	90	1770	1893	169034	666666
6	1	12	593825	98	0	0	72743	666666
7	2	20	16687	83	1705	0	648108	666666
8	2	6	38010	65	1077	0	627449	666666
9	2	18	256938	94	1578	0	407962	666666
10	1	8	468084	52	0	0	198530	666666
11	1	13	607439	55	0	0	59172	666666
12	3	5	81001	100	1323	1302	582740	666666
13	3	7	533688	68	1811	1695	129268	666666
14	1	20	630486	82	0	0	36098	666666
15	1	7	416689	96	0	0	249881	666666
16	2	5	417084	98	1834	0	247552	666666
17	2	16	159819	87	1819	0	504854	666666
18	1	18	501943	90	0	0	164633	666666

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	8	335336	51	1842	1900	860769	1200000
2	3	20	211671	76	1031	1791	985279	1200000
3	2	9	317125	55	1330	0	881435	1200000
4	3	13	82282	97	1769	1879	1113779	1200000
5	3	11	1074075	97	1076	1352	123206	1200000
6	2	20	537037	99	1358	0	661407	1200000
7	1	6	28386	96	0	0	1171518	1200000
8	1	15	511300	67	0	0	688633	1200000
9	1	17	355166	92	0	0	844742	1200000
10	1	14	1026539	79	0	0	173382	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	3	8	570597	95	1226	1725	26167	600000
2	2	14	152007	99	1008	0	446787	600000
3	2	7	430746	69	1827	0	167289	600000
4	1	11	170796	98	0	0	429106	600000
5	1	14	519292	87	0	0	80621	600000
6	2	8	379329	98	936	0	219539	600000
7	1	18	24951	80	0	0	574969	600000
8	2	6	76185	56	1184	0	522519	600000
9	2	15	382953	99	961	0	215888	600000
10	1	17	384368	71	0	0	215561	600000
11	3	14	138193	94	1865	1536	458124	600000
12	2	6	209733	88	1224	0	388867	600000
13	3	16	179279	94	1293	1235	417911	600000
14	2	14	3076	71	1686	0	595096	600000
15	3	5	361756	74	1544	1338	235140	600000
16	1	10	268802	55	0	0	331143	600000
17	2	13	34540	66	1102	0	564226	600000
18	1	14	282428	98	0	0	317474	600000
19	3	17	280985	51	1840	1194	315828	600000
20	1	16	203550	64	0	0	396386	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	1	19	483232	61	0	0	222589	705882
2	1	19	8227	54	0	0	697601	705882
3	3	14	633278	99	1896	1862	68549	705882
4	1	7	154450	77	0	0	551355	705882
5	1	13	567450	100	0	0	138332	705882
6	1	20	46770	95	0	0	659017	705882
7	2	7	221791	90	1068	0	482843	705882
8	2	15	295181	89	1354	0	409169	705882
9	2	7	270485	94	1868	0	433341	705882
10	3	13	561708	90	1204	946	141754	705882
11	3	19	323247	50	1046	1022	380417	705882
12	2	8	701941	58	1048	0	2777	705882
13	3	13	464913	99	1030	1766	237876	705882
14	2	8	323220	56	1272	0	381278	705882
15	3	9	429579	56	1035	1254	273846	705882
16	2	14	660816	50	1544	0	43422	705882
17	1	17	159130	80	0	0	546672	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	11	703646	100	0	0	796254	1500000
2	1	11	239995	65	0	0	1259940	1500000
3	1	9	126484	73	0	0	1373443	1500000
4	1	7	1210974	93	0	0	288933	1500000
5	2	7	1211980	76	1728	0	286140	1500000
6	3	16	749206	57	1497	1128	747998	1500000
7	2	16	508401	89	1816	0	989605	1500000
8	2	11	1210774	80	1055	0	288011	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	15	80205	76	0	0	551297	631578
2	3	10	471068	93	1431	1795	157005	631578
3	2	17	386282	56	1016	0	244168	631578
4	2	9	432891	62	1779	0	196784	631578
5	3	17	280911	52	980	1336	348195	631578
6	2	12	282461	96	1432	0	347493	631578
7	1	14	197858	100	0	0	433620	631578
8	2	15	185380	56	987	0	445099	631578
9	2	9	614531	51	1700	0	15245	631578
10	2	18	136747	96	1631	0	493008	631578
11	2	9	595162	57	1063	0	35239	631578
12	1	15	466477	85	0	0	165016	631578
13	2	12	226434	65	1013	0	404001	631578
14	1	7	118223	70	0	0	513285	631578
15	3	9	343523	98	1474	1119	285168	631578
16	1	17	39025	95	0	0	592458	631578
17	1	13	453082	88	0	0	178408	631578
18	1	7	190453	61	0	0	441064	631578
19	3	15	295158	94	1061	1871	333206	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	561263	100	1851	0	36686	600000
2	2	13	43911	79	1643	0	554288	600000
3	3	17	483457	96	1834	1653	112768	600000
4	1	15	356060	70	0	0	243870	600000
5	3	14	105082	98	1153	1753	491718	600000
6	1	9	312387	83	0	0	287530	600000
7	2	18	397889	100	1528	0	200383	600000
8	2	19	366674	68	1753	0	231437	600000
9	2	18	245368	62	1582	0	352926	600000
10	1	10	592981	70	0	0	6949	600000
11	1	17	196045	81	0	0	403874	600000
12	3	14	59842	98	1303	1589	536972	600000
13	3	19	280437	72	1185	1129	317033	600000
14	3	7	262581	54	1210	1137	334910	600000
15	1	5	71359	79	0	0	528562	600000
16	3	20	457430	57	1784	1481	139134	600000
17	2	7	506732	84	1829	0	91271	600000
18	2	15	93553	98	968	0	505283	600000
19	3	5	586057	92	1072	1456	11139	600000
20	2	14	157932	58	1170	0	440782	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	12	1007763	82	1097	1219	323008	1333333
2	1	12	1128623	73	0	0	204637	1333333
3	2	18	97285	100	1159	0	1234689	1333333
4	1	7	172079	81	0	0	1161173	1333333
5	2	5	383596	60	1696	0	947921	1333333
6	2	14	696303	93	1679	0	635165	1333333
7	3	9	1157965	61	1442	1459	172284	1333333
8	2	15	263751	71	1283	0	1068157	1333333
9	2	16	362791	80	1758	0	968624	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	19	828285	64	1262	0	670325	1500000
2	2	17	1141181	55	1855	0	356854	1500000
3	3	15	640993	60	1381	1126	856320	1500000
4	3	14	449832	85	1168	1408	1047337	1500000
5	2	18	1177087	76	1878	0	320883	1500000
6	3	14	23354	100	1237	1818	1473291	1500000
7	2	9	294534	76	1787	0	1203527	1500000
8	1	8	1062945	88	0	0	436967	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	8	6075	84	0	0	793841	800000
2	3	5	173706	50	1618	959	623567	800000
3	1	5	719918	79	0	0	80003	800000
4	2	14	134169	73	1615	0	664070	800000
5	3	11	162854	66	1890	1115	633943	800000
6	3	14	690593	96	1645	1377	106097	800000
7	1	16	223980	89	0	0	575931	800000
8	3	20	751890	82	1791	1838	44235	800000
9	3	16	377286	66	1930	1821	418765	800000
10	2	16	51788	74	1544	0	746520	800000
11	1	9	546821	96	0	0	253083	800000
12	3	17	385241	52	1938	1056	411609	800000
13	3	10	281223	77	1901	1709	514936	800000
14	2	18	651169	78	1575	0	147100	800000
15	1	11	78443	93	0	0	721464	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	12	568843	66	0	0	522000	1090909
2	1	18	874821	50	0	0	216038	1090909
3	3	11	633718	94	1502	1016	454391	1090909
4	1	17	502846	95	0	0	587968	1090909
5	3	10	131431	90	928	1010	957270	1090909
6	3	19	863083	96	1869	1153	224516	1090909
7	1	14	512513	95	0	0	578301	1090909
8	3	13	997811	74	1513	1317	90046	1090909
9	3	20	25635	78	1831	1879	1061330	1090909
10	2	13	476469	62	1872	0	612444	1090909
11	2	9	181681	70	1838	0	907250	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	1	7	134610	88	0	0	1065302	1200000
2	3	8	12988	78	1749	1420	1183609	1200000
3	2	15	269435	86	1257	0	929136	1200000
4	1	6	959589	54	0	0	240357	1200000
5	1	7	886538	59	0	0	313403	1200000
6	2	12	426707	82	1234	0	771895	1200000
7	2	9	834405	75	1488	0	363957	1200000
8	1	18	260919	60	0	0	939021	1200000
9	3	20	548538	90	1681	992	648519	1200000
10	1	13	1021337	90	0	0	178573	1200000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	10	159667	66	0	0	640267	800000
2	1	5	131565	56	0	0	668379	800000
3	1	12	347745	85	0	0	452170	800000
4	1	7	795875	93	0	0	4032	800000
5	3	5	316883	53	1338	1079	480541	800000
6	3	10	86997	64	1740	1206	709865	800000
7	3	15	578499	87	1026	1518	218696	800000
8	1	7	62349	66	0	0	737585	800000
9	2	8	644822	79	967	0	154053	800000
10	2	10	734775	67	1693	0	63398	800000
11	3	9	366638	73	1652	1436	430055	800000
12	2	12	704996	91	950	0	93872	800000
13	1	19	366425	93	0	0	433482	800000
14	1	10	664174	51	0	0	135775	800000
15	2	18	523054	86	1723	0	275051	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	6	249649	57	1533	0	498704	750000
2	3	5	181686	98	1252	1101	565667	750000
3	2	14	200083	98	1046	0	548675	750000
4	1	7	146569	93	0	0	603338	750000
5	1	10	441139	86	0	0	308775	750000
6	2	20	185914	75	1451	0	562485	750000
7	1	15	468004	53	0	0	281943	750000
8	1	9	279625	52	0	0	470323	750000
9	1	6	691417	57	0	0	58526	750000
10	1	16	161218	75	0	0	588707	750000
11	3	16	283336	54	1632	1190	463680	750000
12	3	12	617195	83	1389	1654	129513	750000
13	2	18	324806	53	1898	0	423190	750000
14	3	7	630925	56	1532	1767	115608	750000
15	2	19	534827	92	1010	0	213979	750000
16	1	19	157883	63	0	0	592054	750000

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Type 5 #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	11	671123	83	1154	0	127557	800000
2	1	6	793136	92	0	0	6772	800000
3	1	10	386736	82	0	0	413182	800000
4	3	9	370506	57	1097	1431	426795	800000
5	2	15	187033	79	945	0	611864	800000
6	1	10	221257	93	0	0	578650	800000
7	1	7	464581	81	0	0	335338	800000
8	2	6	341949	61	1351	0	456578	800000
9	3	17	475921	80	1222	977	321640	800000
10	2	8	15045	60	1291	0	783544	800000
11	3	19	670617	71	1715	1355	126100	800000
12	1	15	143142	88	0	0	656770	800000
13	1	15	445974	100	0	0	353926	800000
14	3	20	209264	68	981	1727	587824	800000
15	3	18	536697	87	1354	1807	259881	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	10	1462660	51	968	0	36270	1500000
2	2	10	1105853	66	1795	0	392220	1500000
3	2	15	565800	57	1143	0	932943	1500000
4	3	15	1115020	62	1544	1074	382176	1500000
5	1	15	247717	61	0	0	1252222	1500000
6	2	9	816402	54	1164	0	682326	1500000
7	2	17	739567	95	1680	0	758563	1500000
8	3	7	485646	63	996	1424	1011745	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	14	68077	82	1813	1028	1019745	1090909
2	2	14	314023	99	1664	0	775024	1090909
3	2	9	746631	66	1736	0	342410	1090909
4	3	11	343413	77	986	1026	745253	1090909
5	1	11	991543	75	0	0	99291	1090909
6	3	12	128320	83	1006	1536	959798	1090909
7	3	10	293915	75	1524	1028	794217	1090909
8	1	19	276441	51	0	0	814417	1090909
9	3	14	242845	84	1130	1369	845313	1090909
10	3	9	284060	80	1435	994	804180	1090909
11	1	10	74570	81	0	0	1016258	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	1	16	401334	68	0	0	455740	857142
2	2	7	695178	57	1669	0	160181	857142
3	3	14	330711	60	1524	1164	523563	857142
4	1	11	525723	93	0	0	331326	857142
5	3	12	775469	59	1424	1687	78385	857142
6	3	5	590768	55	1496	1322	263391	857142
7	1	17	101824	51	0	0	755267	857142
8	3	17	370042	59	1333	1478	484112	857142
9	2	9	5846	82	1630	0	849502	857142
10	3	16	198972	64	1027	1218	655733	857142
11	3	9	825381	58	1688	1816	28083	857142
12	2	5	150324	88	1039	0	705603	857142
13	2	20	690370	63	1483	0	165163	857142
14	1	20	55498	86	0	0	801558	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	1	16	1222276	74	0	0	277650	1500000
2	1	19	94547	51	0	0	1405402	1500000
3	3	12	809595	68	1026	1391	687784	1500000
4	3	10	336945	74	1723	1139	1159971	1500000
5	2	9	306687	75	1238	0	1191925	1500000
6	1	12	1371416	89	0	0	128495	1500000
7	1	6	326518	99	0	0	1173383	1500000
8	1	16	909767	82	0	0	590151	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	15	135304	97	1588	0	462914	600000
2	3	10	402395	86	1718	1313	194316	600000
3	2	19	502233	87	1689	0	95904	600000
4	2	7	365252	79	1307	0	233283	600000
5	1	12	89212	63	0	0	510725	600000
6	2	10	135423	69	1808	0	462631	600000
7	3	18	167191	59	1382	1078	430172	600000
8	2	9	356993	98	1436	0	241375	600000
9	3	10	270155	60	1726	1519	326420	600000
10	1	11	525742	66	0	0	74192	600000
11	1	8	192590	76	0	0	407334	600000
12	2	8	357862	84	1452	0	240518	600000
13	2	12	301734	68	1509	0	296621	600000
14	2	9	296752	73	1712	0	301390	600000
15	1	9	378803	70	0	0	221127	600000
16	3	5	339746	88	1800	1567	256623	600000
17	1	5	299085	67	0	0	300848	600000
18	2	15	72003	92	1553	0	526260	600000
19	3	10	88640	80	1344	1593	508183	600000
20	1	15	521273	70	0	0	78657	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	1	9	905031	58	0	0	185820	1090909
2	1	17	975553	74	0	0	115282	1090909
3	2	12	612969	79	1706	0	476076	1090909
4	3	5	246822	71	1256	1896	840722	1090909
5	3	18	967204	92	1079	1007	121343	1090909
6	3	15	380413	99	1384	1453	707362	1090909
7	2	10	14886	50	1411	0	1074512	1090909
8	1	11	948879	60	0	0	141970	1090909
9	1	8	596354	88	0	0	494467	1090909
10	1	17	500054	91	0	0	590764	1090909
11	1	19	470128	55	0	0	620726	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	1	9	914463	73	0	0	8540	923076
2	1	7	469367	97	0	0	453612	923076
3	1	19	206695	70	0	0	716311	923076
4	1	8	466135	89	0	0	456852	923076
5	2	6	329033	99	1474	0	592371	923076
6	2	14	795497	54	1570	0	125901	923076
7	1	13	355751	57	0	0	567268	923076
8	2	19	760685	82	1897	0	160330	923076
9	3	5	196505	59	1851	1202	723341	923076
10	2	10	297475	98	1236	0	624169	923076
11	1	14	880004	52	0	0	43020	923076
12	3	17	541353	56	1802	986	378767	923076
13	2	10	807367	84	1216	0	114325	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	5	139146	87	1152	1218	1358223	1500000
2	3	10	1293012	64	1322	1000	204474	1500000
3	2	15	415193	100	1630	0	1082977	1500000
4	1	5	829796	85	0	0	670119	1500000
5	2	9	90917	77	1777	0	1407152	1500000
6	3	13	911776	62	1444	1594	585000	1500000
7	2	10	480241	58	1153	0	1018490	1500000
8	1	6	178699	50	0	0	1321251	1500000

Type 5 #29 [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	5	543113	73	1851	0	545799	1090909
2	1	15	430253	97	0	0	660559	1090909
3	1	18	532421	80	0	0	558408	1090909
4	2	17	266377	59	1327	0	823087	1090909
5	1	17	895842	85	0	0	194982	1090909
6	3	12	484074	73	1114	1557	603945	1090909
7	2	9	966951	59	1567	0	122273	1090909
8	1	6	214675	97	0	0	876137	1090909
9	3	19	121459	78	1227	1812	966177	1090909
10	2	13	1013754	50	1634	0	75421	1090909
11	1	16	843290	78	0	0	247541	1090909

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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

#01-5684	#02-5448	#03-5505	#04-5632	#05-5594	#06-5537	#07-5461	#08-5398	#09-5447	#10-5481
#11-5362	#12-5351	#13-5621	#14-5714	#15-5716	#16-5359	#17-5488	#18-5298	#19-5522	#20-5466
#21-5574	#22-5377	#23-5438	#24-5661	#25-5587	#26-5315	#27-5463	#28-5707	#29-5581	#30-5452
#31-5658	#32-5474	#33-5492	#34-5473	#35-5591	#36-5311	#37-5423	#38-5531	#39-5480	#40-5368
#41-5638	#42-5560	#43-5676	#44-5634	#45-5263	#46-5503	#47-5465	#48-5453	#49-5685	#50-5712
#51-5370	#52-5292	#53-5557	#54-5260	#55-5569	#56-5295	#57-5528	#58-5323	#59-5479	#60-5590
#61-5279	#62-5428	#63-5601	#64-5378	#65-5376	#66-5426	#67-5600	#68-5710	#69-5455	#70-5627
#71-5524	#72-5635	#73-5406	#74-5449	#75-5272	#76-5670	#77-5353	#78-5266	#79-5619	#80-5457
#81-5251	#82-5459	#83-5608	#84-5609	#85-5381	#86-5325	#87-5506	#88-5612	#89-5261	#90-5698
#91-5277	#92-5334	#93-5721	#94-5384	#95-5562	#96-5654	#97-5467	#98-5385	#99-5372	#100-5599

Type 6 #2 [Back to Summary]

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

#01-5276	#02-5611	#03-5462	#04-5511	#05-5483	#06-5498	#07-5653	#08-5347	#09-5279	#10-5469
#11-5410	#12-5706	#13-5509	#14-5709	#15-5720	#16-5269	#17-5639	#18-5695	#19-5559	#20-5625
#21-5562	#22-5441	#23-5299	#24-5351	#25-5407	#26-5674	#27-5693	#28-5612	#29-5349	#30-5251
#31-5530	#32-5605	#33-5497	#34-5582	#35-5700	#36-5573	#37-5395	#38-5622	#39-5551	#40-5577
#41-5515	#42-5479	#43-5591	#44-5353	#45-5461	#46-5399	#47-5566	#48-5635	#49-5546	#50-5550
#51-5472	#52-5287	#53-5361	#54-5354	#55-5534	#56-5529	#57-5291	#58-5722	#59-5277	#60-5663
#61-5458	#62-5651	#63-5259	#64-5397	#65-5598	#66-5541	#67-5322	#68-5258	#69-5297	#70-5460
#71-5544	#72-5484	#73-5304	#74-5543	#75-5295	#76-5438	#77-5430	#78-5283	#79-5305	#80-5275
#81-5545	#82-5390	#83-5260	#84-5718	#85-5338	#86-5272	#87-5535	#88-5517	#89-5678	#90-5540
#91-5311	#92-5619	#93-5418	#94-5255	#95-5424	#96-5542	#97-5714	#98-5348	#99-5267	#100-5602

Type 6 #3 [Back to Summary]

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

#01-5299	#02-5321	#03-5710	#04-5721	#05-5533	#06-5572	#07-5630	#08-5474	#09-5433	#10-5355
#11-5593	#12-5386	#13-5564	#14-5547	#15-5708	#16-5711	#17-5487	#18-5504	#19-5506	#20-5253
#21-5423	#22-5409	#23-5652	#24-5403	#25-5601	#26-5401	#27-5424	#28-5583	#29-5488	#30-5575
#31-5555	#32-5292	#33-5718	#34-5406	#35-5669	#36-5266	#37-5286	#38-5538	#39-5709	#40-5356
#41-5635	#42-5562	#43-5436	#44-5429	#45-5521	#46-5281	#47-5447	#48-5432	#49-5440	#50-5661
#51-5460	#52-5566	#53-5263	#54-5428	#55-5614	#56-5394	#57-5557	#58-5370	#59-5381	#60-5397
#61-5296	#62-5582	#63-5525	#64-5551	#65-5393	#66-5407	#67-5603	#68-5691	#69-5675	#70-5673
#71-5520	#72-5400	#73-5343	#74-5586	#75-5698	#76-5472	#77-5607	#78-5569	#79-5679	#80-5716
#81-5392	#82-5657	#83-5638	#84-5345	#85-5450	#86-5704	#87-5703	#88-5304	#89-5597	#90-5453
#91-5418	#92-5577	#93-5683	#94-5588	#95-5576	#96-5578	#97-5628	#98-5694	#99-5613	#100-5289

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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									
#01-5554	#02-5474	#03-5605	#04-5713	#05-5664	#06-5415	#07-5644	#08-5567	#09-5641	#10-5647
#11-5674	#12-5525	#13-5427	#14-5406	#15-5628	#16-5302	#17-5669	#18-5430	#19-5351	#20-5414
#21-5429	#22-5549	#23-5344	#24-5471	#25-5504	#26-5667	#27-5442	#28-5480	#29-5259	#30-5370
#31-5568	#32-5637	#33-5681	#34-5639	#35-5412	#36-5643	#37-5301	#38-5650	#39-5405	#40-5284
#41-5309	#42-5385	#43-5387	#44-5675	#45-5503	#46-5618	#47-5399	#48-5526	#49-5684	#50-5523
#51-5634	#52-5448	#53-5593	#54-5449	#55-5584	#56-5255	#57-5379	#58-5384	#59-5458	#60-5721
#61-5698	#62-5558	#63-5520	#64-5328	#65-5286	#66-5569	#67-5512	#68-5718	#69-5710	#70-5251
#71-5268	#72-5274	#73-5316	#74-5354	#75-5294	#76-5411	#77-5394	#78-5692	#79-5611	#80-5518
#81-5640	#82-5460	#83-5461	#84-5369	#85-5482	#86-5305	#87-5513	#88-5642	#89-5441	#90-5408
#91-5311	#92-5620	#93-5552	#94-5592	#95-5596	#96-5467	#97-5298	#98-5533	#99-5699	#100-5522

Type 6 #5 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5615	#02-5423	#03-5526	#04-5344	#05-5540	#06-5569	#07-5710	#08-5417	#09-5572	#10-5453
#11-5307	#12-5619	#13-5347	#14-5309	#15-5683	#16-5716	#17-5337	#18-5457	#19-5562	#20-5446
#21-5334	#22-5552	#23-5591	#24-5255	#25-5459	#26-5467	#27-5544	#28-5522	#29-5475	#30-5631
#31-5357	#32-5546	#33-5662	#34-5570	#35-5670	#36-5493	#37-5387	#38-5489	#39-5528	#40-5474
#41-5593	#42-5679	#43-5253	#44-5250	#45-5454	#46-5532	#47-5638	#48-5686	#49-5403	#50-5695
#51-5502	#52-5438	#53-5312	#54-5557	#55-5520	#56-5609	#57-5323	#58-5274	#59-5437	#60-5667
#61-5260	#62-5547	#63-5674	#64-5322	#65-5409	#66-5463	#67-5262	#68-5472	#69-5692	#70-5724
#71-5643	#72-5584	#73-5637	#74-5251	#75-5458	#76-5261	#77-5600	#78-5477	#79-5386	#80-5293
#81-5507	#82-5363	#83-5698	#84-5416	#85-5538	#86-5340	#87-5583	#88-5381	#89-5304	#90-5653
#91-5295	#92-5318	#93-5625	#94-5252	#95-5435	#96-5696	#97-5579	#98-5354	#99-5645	#100-5518

Type 6 #6 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5401	#02-5310	#03-5262	#04-5553	#05-5667	#06-5384	#07-5320	#08-5537	#09-5279	#10-5660
#11-5681	#12-5623	#13-5499	#14-5421	#15-5526	#16-5436	#17-5302	#18-5350	#19-5505	#20-5672
#21-5530	#22-5691	#23-5668	#24-5708	#25-5722	#26-5588	#27-5291	#28-5415	#29-5434	#30-5620
#31-5403	#32-5443	#33-5430	#34-5351	#35-5356	#36-5525	#37-5512	#38-5589	#39-5448	#40-5311
#41-5491	#42-5360	#43-5362	#44-5251	#45-5478	#46-5565	#47-5634	#48-5510	#49-5280	#50-5253
#51-5390	#52-5571	#53-5595	#54-5344	#55-5319	#56-5569	#57-5669	#58-5521	#59-5278	#60-5372
#61-5290	#62-5527	#63-5420	#64-5635	#65-5437	#66-5627	#67-5631	#68-5581	#69-5556	#70-5706
#71-5494	#72-5272	#73-5381	#74-5629	#75-5404	#76-5343	#77-5399	#78-5303	#79-5583	#80-5480
#81-5261	#82-5455	#83-5644	#84-5651	#85-5283	#86-5369	#87-5304	#88-5560	#89-5546	#90-5409
#91-5495	#92-5464	#93-5599	#94-5714	#95-5338	#96-5671	#97-5689	#98-5487	#99-5488	#100-5425

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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

#01-5499	#02-5622	#03-5467	#04-5415	#05-5671	#06-5377	#07-5460	#08-5564	#09-5408	#10-5429
#11-5348	#12-5518	#13-5700	#14-5410	#15-5310	#16-5576	#17-5511	#18-5720	#19-5335	#20-5501
#21-5641	#22-5280	#23-5414	#24-5254	#25-5298	#26-5356	#27-5442	#28-5516	#29-5692	#30-5329
#31-5468	#32-5401	#33-5386	#34-5627	#35-5614	#36-5373	#37-5432	#38-5419	#39-5674	#40-5655
#41-5306	#42-5615	#43-5545	#44-5375	#45-5330	#46-5362	#47-5701	#48-5492	#49-5427	#50-5340
#51-5722	#52-5705	#53-5436	#54-5250	#55-5666	#56-5328	#57-5270	#58-5267	#59-5297	#60-5633
#61-5462	#62-5269	#63-5299	#64-5549	#65-5274	#66-5686	#67-5388	#68-5538	#69-5716	#70-5570
#71-5585	#72-5586	#73-5523	#74-5434	#75-5647	#76-5404	#77-5522	#78-5450	#79-5626	#80-5378
#81-5403	#82-5405	#83-5440	#84-5431	#85-5353	#86-5398	#87-5656	#88-5608	#89-5397	#90-5682
#91-5596	#92-5495	#93-5551	#94-5486	#95-5400	#96-5563	#97-5679	#98-5678	#99-5370	#100-5575

Type 6 #8 [Back to Summary]

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

#01-5451	#02-5482	#03-5406	#04-5424	#05-5629	#06-5618	#07-5361	#08-5261	#09-5368	#10-5645
#11-5395	#12-5593	#13-5692	#14-5322	#15-5681	#16-5434	#17-5567	#18-5454	#19-5687	#20-5437
#21-5628	#22-5652	#23-5663	#24-5345	#25-5333	#26-5440	#27-5254	#28-5684	#29-5496	#30-5439
#31-5251	#32-5285	#33-5590	#34-5412	#35-5674	#36-5672	#37-5699	#38-5277	#39-5715	#40-5286
#41-5670	#42-5477	#43-5574	#44-5680	#45-5327	#46-5606	#47-5494	#48-5594	#49-5474	#50-5657
#51-5671	#52-5524	#53-5543	#54-5310	#55-5341	#56-5613	#57-5401	#58-5490	#59-5653	#60-5471
#61-5393	#62-5557	#63-5352	#64-5635	#65-5257	#66-5487	#67-5427	#68-5697	#69-5400	#70-5683
#71-5338	#72-5664	#73-5485	#74-5651	#75-5328	#76-5570	#77-5675	#78-5537	#79-5643	#80-5380
#81-5611	#82-5607	#83-5563	#84-5351	#85-5610	#86-5429	#87-5549	#88-5353	#89-5263	#90-5577
#91-5417	#92-5598	#93-5297	#94-5466	#95-5506	#96-5713	#97-5349	#98-5371	#99-5626	#100-5678

Type 6 #9 [Back to Summary]

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

#01-5687	#02-5323	#03-5488	#04-5333	#05-5520	#06-5580	#07-5455	#08-5433	#09-5272	#10-5602
#11-5600	#12-5710	#13-5588	#14-5596	#15-5515	#16-5503	#17-5651	#18-5379	#19-5632	#20-5484
#21-5454	#22-5719	#23-5569	#24-5627	#25-5320	#26-5570	#27-5655	#28-5513	#29-5650	#30-5490
#31-5706	#32-5609	#33-5389	#34-5537	#35-5666	#36-5466	#37-5558	#38-5407	#39-5394	#40-5395
#41-5721	#42-5382	#43-5265	#44-5595	#45-5716	#46-5459	#47-5474	#48-5469	#49-5444	#50-5496
#51-5296	#52-5452	#53-5593	#54-5494	#55-5617	#56-5510	#57-5676	#58-5359	#59-5253	#60-5704
#61-5456	#62-5703	#63-5562	#64-5384	#65-5401	#66-5493	#67-5524	#68-5487	#69-5339	#70-5457
#71-5586	#72-5553	#73-5449	#74-5579	#75-5445	#76-5288	#77-5431	#78-5295	#79-5661	#80-5668
#81-5421	#82-5702	#83-5665	#84-5622	#85-5696	#86-5616	#87-5636	#88-5261	#89-5453	#90-5388
#91-5263	#92-5621	#93-5340	#94-5317	#95-5675	#96-5697	#97-5533	#98-5363	#99-5386	#100-5659

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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

#01-5423	#02-5310	#03-5279	#04-5307	#05-5445	#06-5494	#07-5313	#08-5518	#09-5392	#10-5520
#11-5284	#12-5391	#13-5406	#14-5461	#15-5596	#16-5552	#17-5428	#18-5411	#19-5564	#20-5542
#21-5715	#22-5566	#23-5549	#24-5673	#25-5363	#26-5345	#27-5487	#28-5278	#29-5548	#30-5532
#31-5513	#32-5292	#33-5491	#34-5561	#35-5666	#36-5559	#37-5440	#38-5525	#39-5683	#40-5467
#41-5311	#42-5593	#43-5703	#44-5480	#45-5658	#46-5580	#47-5329	#48-5394	#49-5661	#50-5659
#51-5699	#52-5318	#53-5367	#54-5432	#55-5724	#56-5438	#57-5483	#58-5497	#59-5381	#60-5693
#61-5281	#62-5696	#63-5477	#64-5602	#65-5364	#66-5695	#67-5611	#68-5287	#69-5712	#70-5605
#71-5324	#72-5654	#73-5441	#74-5587	#75-5264	#76-5507	#77-5265	#78-5342	#79-5341	#80-5614
#81-5557	#82-5649	#83-5308	#84-5562	#85-5478	#86-5326	#87-5668	#88-5436	#89-5672	#90-5622
#91-5475	#92-5603	#93-5543	#94-5610	#95-5294	#96-5508	#97-5624	#98-5671	#99-5338	#100-5437

Type 6 #11 [Back to Summary]

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

#01-5292	#02-5503	#03-5532	#04-5575	#05-5414	#06-5482	#07-5598	#08-5677	#09-5664	#10-5271
#11-5332	#12-5645	#13-5407	#14-5439	#15-5636	#16-5447	#17-5383	#18-5686	#19-5294	#20-5466
#21-5615	#22-5613	#23-5707	#24-5544	#25-5362	#26-5445	#27-5621	#28-5696	#29-5558	#30-5442
#31-5667	#32-5468	#33-5257	#34-5607	#35-5530	#36-5279	#37-5627	#38-5436	#39-5520	#40-5287
#41-5497	#42-5650	#43-5540	#44-5555	#45-5446	#46-5354	#47-5699	#48-5572	#49-5375	#50-5663
#51-5597	#52-5547	#53-5403	#54-5713	#55-5463	#56-5700	#57-5286	#58-5701	#59-5706	#60-5355
#61-5554	#62-5390	#63-5426	#64-5399	#65-5557	#66-5417	#67-5480	#68-5299	#69-5582	#70-5670
#71-5578	#72-5366	#73-5306	#74-5254	#75-5718	#76-5341	#77-5647	#78-5374	#79-5433	#80-5289
#81-5596	#82-5434	#83-5453	#84-5259	#85-5291	#86-5660	#87-5400	#88-5305	#89-5391	#90-5345
#91-5378	#92-5296	#93-5521	#94-5593	#95-5404	#96-5619	#97-5651	#98-5694	#99-5464	#100-5709

Type 6 #12 [Back to Summary]

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

#01-5656	#02-5707	#03-5669	#04-5304	#05-5582	#06-5646	#07-5300	#08-5350	#09-5554	#10-5689
#11-5354	#12-5346	#13-5375	#14-5316	#15-5364	#16-5432	#17-5376	#18-5522	#19-5699	#20-5685
#21-5578	#22-5403	#23-5671	#24-5544	#25-5694	#26-5538	#27-5615	#28-5719	#29-5670	#30-5465
#31-5415	#32-5520	#33-5307	#34-5483	#35-5678	#36-5455	#37-5489	#38-5448	#39-5470	#40-5295
#41-5299	#42-5548	#43-5331	#44-5417	#45-5496	#46-5279	#47-5553	#48-5499	#49-5587	#50-5524
#51-5422	#52-5312	#53-5503	#54-5380	#55-5502	#56-5285	#57-5374	#58-5724	#59-5613	#60-5357
#61-5410	#62-5356	#63-5609	#64-5474	#65-5663	#66-5551	#67-5318	#68-5557	#69-5701	#70-5611
#71-5323	#72-5479	#73-5640	#74-5529	#75-5579	#76-5589	#77-5377	#78-5532	#79-5664	#80-5710
#81-5365	#82-5381	#83-5396	#84-5293	#85-5353	#86-5266	#87-5652	#88-5705	#89-5642	#90-5490
#91-5560	#92-5362	#93-5668	#94-5686	#95-5720	#96-5338	#97-5610	#98-5637	#99-5348	#100-5558

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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

#01-5588	#02-5575	#03-5647	#04-5421	#05-5721	#06-5442	#07-5673	#08-5372	#09-5294	#10-5699
#11-5462	#12-5430	#13-5559	#14-5534	#15-5390	#16-5577	#17-5493	#18-5620	#19-5371	#20-5488
#21-5366	#22-5280	#23-5585	#24-5640	#25-5257	#26-5623	#27-5586	#28-5703	#29-5714	#30-5277
#31-5496	#32-5483	#33-5670	#34-5520	#35-5403	#36-5326	#37-5307	#38-5471	#39-5334	#40-5298
#41-5611	#42-5715	#43-5565	#44-5694	#45-5451	#46-5401	#47-5644	#48-5386	#49-5545	#50-5393
#51-5570	#52-5515	#53-5584	#54-5441	#55-5557	#56-5414	#57-5348	#58-5580	#59-5382	#60-5267
#61-5452	#62-5485	#63-5289	#64-5380	#65-5314	#66-5519	#67-5271	#68-5535	#69-5323	#70-5601
#71-5376	#72-5440	#73-5616	#74-5438	#75-5704	#76-5450	#77-5408	#78-5571	#79-5431	#80-5505
#81-5693	#82-5335	#83-5328	#84-5336	#85-5300	#86-5710	#87-5642	#88-5582	#89-5548	#90-5491
#91-5472	#92-5641	#93-5604	#94-5256	#95-5480	#96-5598	#97-5429	#98-5708	#99-5544	#100-5558

Type 6 #14 [Back to Summary]

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

#01-5369	#02-5380	#03-5536	#04-5560	#05-5672	#06-5260	#07-5399	#08-5685	#09-5533	#10-5702
#11-5469	#12-5689	#13-5550	#14-5605	#15-5684	#16-5519	#17-5617	#18-5375	#19-5690	#20-5663
#21-5349	#22-5444	#23-5652	#24-5697	#25-5608	#26-5325	#27-5500	#28-5352	#29-5264	#30-5454
#31-5712	#32-5480	#33-5473	#34-5591	#35-5312	#36-5355	#37-5295	#38-5543	#39-5461	#40-5491
#41-5643	#42-5447	#43-5503	#44-5379	#45-5583	#46-5604	#47-5561	#48-5273	#49-5520	#50-5474
#51-5698	#52-5578	#53-5620	#54-5269	#55-5660	#56-5609	#57-5564	#58-5677	#59-5596	#60-5484
#61-5297	#62-5671	#63-5329	#64-5714	#65-5713	#66-5466	#67-5683	#68-5542	#69-5629	#70-5556
#71-5479	#72-5422	#73-5431	#74-5722	#75-5567	#76-5274	#77-5446	#78-5664	#79-5328	#80-5705
#81-5627	#82-5572	#83-5376	#84-5471	#85-5456	#86-5285	#87-5443	#88-5696	#89-5368	#90-5513
#91-5391	#92-5367	#93-5646	#94-5420	#95-5569	#96-5392	#97-5562	#98-5459	#99-5721	#100-5400

Type 6 #15 [Back to Summary]

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

#01-5545	#02-5694	#03-5452	#04-5348	#05-5700	#06-5336	#07-5613	#08-5360	#09-5415	#10-5356
#11-5267	#12-5594	#13-5608	#14-5501	#15-5703	#16-5459	#17-5604	#18-5611	#19-5426	#20-5631
#21-5524	#22-5644	#23-5632	#24-5423	#25-5386	#26-5597	#27-5528	#28-5380	#29-5259	#30-5438
#31-5261	#32-5357	#33-5521	#34-5406	#35-5474	#36-5494	#37-5269	#38-5537	#39-5305	#40-5479
#41-5535	#42-5578	#43-5313	#44-5278	#45-5508	#46-5572	#47-5469	#48-5353	#49-5309	#50-5573
#51-5544	#52-5271	#53-5600	#54-5625	#55-5311	#56-5279	#57-5687	#58-5532	#59-5482	#60-5351
#61-5702	#62-5344	#63-5486	#64-5337	#65-5345	#66-5690	#67-5584	#68-5323	#69-5371	#70-5402
#71-5714	#72-5316	#73-5569	#74-5395	#75-5411	#76-5338	#77-5680	#78-5635	#79-5630	#80-5378
#81-5413	#82-5640	#83-5645	#84-5505	#85-5412	#86-5464	#87-5307	#88-5434	#89-5497	#90-5721
#91-5693	#92-5470	#93-5463	#94-5421	#95-5476	#96-5715	#97-5388	#98-5450	#99-5499	#100-5593

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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									
#01-5611	#02-5558	#03-5467	#04-5609	#05-5526	#06-5264	#07-5576	#08-5572	#09-5445	#10-5574
#11-5656	#12-5617	#13-5400	#14-5416	#15-5565	#16-5317	#17-5475	#18-5614	#19-5599	#20-5406
#21-5530	#22-5441	#23-5600	#24-5649	#25-5672	#26-5641	#27-5454	#28-5645	#29-5492	#30-5653
#31-5638	#32-5284	#33-5671	#34-5669	#35-5580	#36-5506	#37-5419	#38-5399	#39-5713	#40-5275
#41-5287	#42-5577	#43-5313	#44-5255	#45-5636	#46-5648	#47-5610	#48-5548	#49-5437	#50-5331
#51-5367	#52-5592	#53-5684	#54-5578	#55-5348	#56-5372	#57-5651	#58-5678	#59-5646	#60-5267
#61-5657	#62-5381	#63-5618	#64-5619	#65-5269	#66-5679	#67-5257	#68-5541	#69-5415	#70-5563
#71-5322	#72-5608	#73-5542	#74-5722	#75-5254	#76-5277	#77-5643	#78-5280	#79-5677	#80-5554
#81-5326	#82-5620	#83-5321	#84-5522	#85-5472	#86-5285	#87-5354	#88-5426	#89-5598	#90-5268
#91-5525	#92-5628	#93-5594	#94-5430	#95-5515	#96-5279	#97-5612	#98-5694	#99-5436	#100-5555

Type 6 #17 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5654	#02-5349	#03-5642	#04-5715	#05-5482	#06-5626	#07-5428	#08-5314	#09-5295	#10-5723
#11-5341	#12-5373	#13-5406	#14-5510	#15-5506	#16-5310	#17-5544	#18-5621	#19-5477	#20-5287
#21-5523	#22-5446	#23-5559	#24-5350	#25-5587	#26-5299	#27-5575	#28-5412	#29-5601	#30-5297
#31-5258	#32-5683	#33-5609	#34-5691	#35-5542	#36-5660	#37-5437	#38-5279	#39-5669	#40-5479
#41-5419	#42-5678	#43-5270	#44-5537	#45-5291	#46-5645	#47-5616	#48-5459	#49-5467	#50-5398
#51-5281	#52-5457	#53-5515	#54-5541	#55-5377	#56-5433	#57-5301	#58-5266	#59-5714	#60-5383
#61-5489	#62-5440	#63-5692	#64-5570	#65-5598	#66-5514	#67-5677	#68-5722	#69-5593	#70-5539
#71-5538	#72-5545	#73-5586	#74-5403	#75-5710	#76-5562	#77-5267	#78-5465	#79-5460	#80-5334
#81-5395	#82-5620	#83-5485	#84-5491	#85-5481	#86-5280	#87-5527	#88-5413	#89-5288	#90-5469
#91-5530	#92-5436	#93-5490	#94-5700	#95-5253	#96-5556	#97-5571	#98-5371	#99-5451	#100-5410

Type 6 #18 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5696	#02-5642	#03-5278	#04-5505	#05-5607	#06-5425	#07-5702	#08-5613	#09-5441	#10-5544
#11-5439	#12-5328	#13-5461	#14-5508	#15-5384	#16-5268	#17-5589	#18-5701	#19-5715	#20-5692
#21-5617	#22-5704	#23-5721	#24-5655	#25-5473	#26-5569	#27-5419	#28-5319	#29-5639	#30-5306
#31-5541	#32-5289	#33-5321	#34-5308	#35-5485	#36-5498	#37-5467	#38-5712	#39-5290	#40-5572
#41-5650	#42-5340	#43-5358	#44-5279	#45-5442	#46-5593	#47-5537	#48-5706	#49-5395	#50-5596
#51-5483	#52-5517	#53-5717	#54-5646	#55-5348	#56-5281	#57-5288	#58-5255	#59-5334	#60-5543
#61-5526	#62-5488	#63-5623	#64-5389	#65-5449	#66-5495	#67-5372	#68-5632	#69-5253	#70-5652
#71-5561	#72-5381	#73-5320	#74-5564	#75-5365	#76-5540	#77-5274	#78-5506	#79-5657	#80-5635
#81-5669	#82-5530	#83-5529	#84-5315	#85-5399	#86-5435	#87-5680	#88-5487	#89-5296	#90-5411
#91-5614	#92-5694	#93-5292	#94-5584	#95-5592	#96-5556	#97-5586	#98-5575	#99-5509	#100-5641

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To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB190-U5_DFS Rev A
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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

#01-5473	#02-5278	#03-5310	#04-5286	#05-5594	#06-5577	#07-5678	#08-5483	#09-5585	#10-5383
#11-5309	#12-5345	#13-5661	#14-5600	#15-5271	#16-5696	#17-5323	#18-5335	#19-5634	#20-5372
#21-5296	#22-5650	#23-5710	#24-5304	#25-5464	#26-5322	#27-5397	#28-5327	#29-5699	#30-5573
#31-5454	#32-5713	#33-5615	#34-5519	#35-5532	#36-5620	#37-5450	#38-5427	#39-5558	#40-5488
#41-5561	#42-5583	#43-5671	#44-5647	#45-5612	#46-5571	#47-5606	#48-5501	#49-5666	#50-5386
#51-5595	#52-5547	#53-5292	#54-5255	#55-5521	#56-5429	#57-5601	#58-5508	#59-5262	#60-5654
#61-5320	#62-5392	#63-5317	#64-5318	#65-5326	#66-5598	#67-5633	#68-5325	#69-5608	#70-5460
#71-5621	#72-5377	#73-5394	#74-5518	#75-5400	#76-5510	#77-5480	#78-5364	#79-5691	#80-5297
#81-5478	#82-5648	#83-5709	#84-5635	#85-5614	#86-5628	#87-5630	#88-5379	#89-5302	#90-5266
#91-5653	#92-5563	#93-5466	#94-5505	#95-5544	#96-5503	#97-5258	#98-5592	#99-5590	#100-5385

Type 6 #20 [Back to Summary]

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

#01-5650	#02-5640	#03-5586	#04-5278	#05-5371	#06-5643	#07-5370	#08-5394	#09-5296	#10-5700
#11-5273	#12-5701	#13-5468	#14-5332	#15-5407	#16-5437	#17-5694	#18-5252	#19-5671	#20-5720
#21-5605	#22-5448	#23-5555	#24-5301	#25-5619	#26-5691	#27-5702	#28-5580	#29-5682	#30-5335
#31-5432	#32-5699	#33-5513	#34-5309	#35-5719	#36-5599	#37-5509	#38-5460	#39-5491	#40-5632
#41-5695	#42-5677	#43-5540	#44-5490	#45-5286	#46-5461	#47-5345	#48-5321	#49-5288	#50-5590
#51-5508	#52-5295	#53-5442	#54-5280	#55-5476	#56-5393	#57-5538	#58-5338	#59-5615	#60-5566
#61-5251	#62-5679	#63-5413	#64-5409	#65-5467	#66-5479	#67-5499	#68-5635	#69-5495	#70-5265
#71-5536	#72-5583	#73-5607	#74-5469	#75-5441	#76-5263	#77-5527	#78-5723	#79-5622	#80-5283
#81-5507	#82-5348	#83-5344	#84-5606	#85-5312	#86-5489	#87-5331	#88-5656	#89-5637	#90-5668
#91-5373	#92-5279	#93-5452	#94-5384	#95-5264	#96-5415	#97-5618	#98-5447	#99-5510	#100-5419

Type 6 #21 [Back to Summary]

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

#01-5395	#02-5302	#03-5534	#04-5393	#05-5260	#06-5610	#07-5411	#08-5447	#09-5433	#10-5678
#11-5380	#12-5405	#13-5278	#14-5290	#15-5297	#16-5501	#17-5292	#18-5675	#19-5597	#20-5699
#21-5346	#22-5330	#23-5412	#24-5333	#25-5603	#26-5581	#27-5708	#28-5457	#29-5390	#30-5310
#31-5563	#32-5315	#33-5437	#34-5641	#35-5646	#36-5680	#37-5663	#38-5427	#39-5296	#40-5475
#41-5471	#42-5664	#43-5479	#44-5623	#45-5356	#46-5487	#47-5698	#48-5368	#49-5367	#50-5559
#51-5406	#52-5444	#53-5299	#54-5697	#55-5371	#56-5309	#57-5381	#58-5279	#59-5715	#60-5293
#61-5618	#62-5542	#63-5340	#64-5566	#65-5516	#66-5342	#67-5562	#68-5589	#69-5629	#70-5478
#71-5407	#72-5575	#73-5514	#74-5285	#75-5497	#76-5343	#77-5259	#78-5338	#79-5273	#80-5253
#81-5633	#82-5717	#83-5592	#84-5674	#85-5558	#86-5266	#87-5480	#88-5620	#89-5586	#90-5331
#91-5682	#92-5695	#93-5579	#94-5276	#95-5529	#96-5540	#97-5655	#98-5690	#99-5616	#100-5582

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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									
#01-5274	#02-5608	#03-5661	#04-5418	#05-5626	#06-5270	#07-5713	#08-5538	#09-5431	#10-5574
#11-5649	#12-5419	#13-5508	#14-5684	#15-5543	#16-5613	#17-5323	#18-5722	#19-5511	#20-5714
#21-5432	#22-5328	#23-5708	#24-5372	#25-5404	#26-5312	#27-5469	#28-5339	#29-5598	#30-5276
#31-5700	#32-5552	#33-5701	#34-5579	#35-5412	#36-5329	#37-5604	#38-5578	#39-5600	#40-5597
#41-5518	#42-5500	#43-5665	#44-5296	#45-5410	#46-5492	#47-5569	#48-5292	#49-5686	#50-5692
#51-5355	#52-5382	#53-5399	#54-5670	#55-5625	#56-5539	#57-5264	#58-5564	#59-5526	#60-5624
#61-5465	#62-5558	#63-5547	#64-5673	#65-5591	#66-5532	#67-5354	#68-5380	#69-5533	#70-5444
#71-5394	#72-5635	#73-5366	#74-5639	#75-5553	#76-5325	#77-5718	#78-5544	#79-5341	#80-5281
#81-5636	#82-5308	#83-5595	#84-5420	#85-5551	#86-5634	#87-5512	#88-5515	#89-5590	#90-5324
#91-5698	#92-5302	#93-5666	#94-5368	#95-5347	#96-5685	#97-5464	#98-5483	#99-5548	#100-5265

Type 6 #23 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5485	#02-5366	#03-5582	#04-5464	#05-5270	#06-5269	#07-5627	#08-5532	#09-5434	#10-5647
#11-5488	#12-5328	#13-5420	#14-5705	#15-5445	#16-5592	#17-5268	#18-5578	#19-5379	#20-5561
#21-5393	#22-5586	#23-5612	#24-5649	#25-5702	#26-5424	#27-5584	#28-5409	#29-5475	#30-5522
#31-5484	#32-5401	#33-5405	#34-5316	#35-5517	#36-5655	#37-5300	#38-5570	#39-5720	#40-5422
#41-5416	#42-5593	#43-5604	#44-5373	#45-5704	#46-5723	#47-5639	#48-5419	#49-5607	#50-5597
#51-5623	#52-5479	#53-5657	#54-5486	#55-5467	#56-5307	#57-5636	#58-5504	#59-5254	#60-5651
#61-5265	#62-5653	#63-5661	#64-5692	#65-5258	#66-5384	#67-5389	#68-5701	#69-5718	#70-5295
#71-5682	#72-5301	#73-5476	#74-5315	#75-5518	#76-5417	#77-5287	#78-5539	#79-5250	#80-5560
#81-5679	#82-5358	#83-5681	#84-5489	#85-5600	#86-5342	#87-5357	#88-5340	#89-5312	#90-5497
#91-5630	#92-5284	#93-5468	#94-5620	#95-5610	#96-5611	#97-5528	#98-5530	#99-5327	#100-5555

Type 6 #24 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5578	#02-5274	#03-5663	#04-5383	#05-5457	#06-5471	#07-5615	#08-5403	#09-5258	#10-5549
#11-5434	#12-5593	#13-5286	#14-5354	#15-5420	#16-5589	#17-5668	#18-5538	#19-5299	#20-5414
#21-5535	#22-5573	#23-5280	#24-5300	#25-5637	#26-5512	#27-5402	#28-5361	#29-5260	#30-5456
#31-5279	#32-5601	#33-5528	#34-5352	#35-5464	#36-5661	#37-5684	#38-5625	#39-5568	#40-5450
#41-5373	#42-5344	#43-5622	#44-5460	#45-5283	#46-5277	#47-5506	#48-5441	#49-5574	#50-5716
#51-5278	#52-5391	#53-5293	#54-5426	#55-5632	#56-5332	#57-5545	#58-5463	#59-5551	#60-5392
#61-5526	#62-5519	#63-5558	#64-5314	#65-5659	#66-5614	#67-5483	#68-5630	#69-5695	#70-5290
#71-5675	#72-5266	#73-5609	#74-5643	#75-5620	#76-5644	#77-5322	#78-5606	#79-5288	#80-5572
#81-5387	#82-5309	#83-5330	#84-5608	#85-5712	#86-5546	#87-5676	#88-5346	#89-5665	#90-5687
#91-5616	#92-5683	#93-5531	#94-5271	#95-5430	#96-5350	#97-5577	#98-5475	#99-5337	#100-5316

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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

#01-5660	#02-5290	#03-5567	#04-5632	#05-5320	#06-5644	#07-5481	#08-5710	#09-5652	#10-5599
#11-5576	#12-5454	#13-5278	#14-5688	#15-5336	#16-5585	#17-5468	#18-5489	#19-5578	#20-5604
#21-5541	#22-5646	#23-5709	#24-5254	#25-5686	#26-5288	#27-5325	#28-5267	#29-5392	#30-5286
#31-5457	#32-5537	#33-5666	#34-5535	#35-5394	#36-5395	#37-5639	#38-5606	#39-5426	#40-5434
#41-5464	#42-5285	#43-5309	#44-5478	#45-5255	#46-5568	#47-5659	#48-5569	#49-5337	#50-5621
#51-5458	#52-5499	#53-5263	#54-5306	#55-5563	#56-5670	#57-5281	#58-5616	#59-5513	#60-5467
#61-5543	#62-5493	#63-5440	#64-5553	#65-5607	#66-5402	#67-5420	#68-5327	#69-5611	#70-5649
#71-5283	#72-5332	#73-5547	#74-5404	#75-5369	#76-5641	#77-5380	#78-5511	#79-5557	#80-5694
#81-5575	#82-5582	#83-5620	#84-5393	#85-5642	#86-5252	#87-5690	#88-5274	#89-5415	#90-5378
#91-5302	#92-5469	#93-5287	#94-5421	#95-5376	#96-5382	#97-5462	#98-5723	#99-5381	#100-5270

Type 6 #26 [Back to Summary]

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

#01-5461	#02-5272	#03-5372	#04-5305	#05-5430	#06-5412	#07-5707	#08-5608	#09-5584	#10-5282
#11-5544	#12-5450	#13-5431	#14-5467	#15-5257	#16-5685	#17-5492	#18-5494	#19-5457	#20-5642
#21-5419	#22-5351	#23-5640	#24-5421	#25-5420	#26-5589	#27-5254	#28-5379	#29-5682	#30-5481
#31-5577	#32-5563	#33-5600	#34-5657	#35-5619	#36-5605	#37-5634	#38-5332	#39-5586	#40-5433
#41-5495	#42-5443	#43-5422	#44-5649	#45-5561	#46-5715	#47-5375	#48-5639	#49-5694	#50-5478
#51-5464	#52-5576	#53-5360	#54-5357	#55-5675	#56-5610	#57-5565	#58-5408	#59-5578	#60-5650
#61-5352	#62-5300	#63-5612	#64-5555	#65-5535	#66-5362	#67-5330	#68-5583	#69-5411	#70-5595
#71-5458	#72-5648	#73-5633	#74-5468	#75-5496	#76-5599	#77-5345	#78-5293	#79-5511	#80-5348
#81-5613	#82-5273	#83-5547	#84-5512	#85-5654	#86-5427	#87-5579	#88-5569	#89-5340	#90-5716
#91-5674	#92-5409	#93-5262	#94-5558	#95-5361	#96-5316	#97-5260	#98-5255	#99-5652	#100-5451

Type 6 #27 [Back to Summary]

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

#01-5614	#02-5429	#03-5277	#04-5691	#05-5313	#06-5574	#07-5607	#08-5566	#09-5331	#10-5412
#11-5514	#12-5531	#13-5713	#14-5401	#15-5560	#16-5644	#17-5417	#18-5604	#19-5329	#20-5542
#21-5476	#22-5622	#23-5633	#24-5439	#25-5721	#26-5716	#27-5459	#28-5400	#29-5281	#30-5602
#31-5342	#32-5345	#33-5623	#34-5474	#35-5720	#36-5525	#37-5363	#38-5255	#39-5686	#40-5499
#41-5634	#42-5436	#43-5410	#44-5360	#45-5413	#46-5406	#47-5526	#48-5396	#49-5567	#50-5376
#51-5573	#52-5388	#53-5368	#54-5502	#55-5317	#56-5583	#57-5397	#58-5415	#59-5300	#60-5534
#61-5421	#62-5617	#63-5676	#64-5651	#65-5564	#66-5369	#67-5303	#68-5598	#69-5367	#70-5293
#71-5435	#72-5473	#73-5561	#74-5611	#75-5552	#76-5599	#77-5609	#78-5285	#79-5690	#80-5496
#81-5485	#82-5667	#83-5273	#84-5296	#85-5539	#86-5333	#87-5584	#88-5627	#89-5416	#90-5467
#91-5462	#92-5480	#93-5687	#94-5513	#95-5503	#96-5456	#97-5590	#98-5546	#99-5346	#100-5619

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To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB190-U5_DFS Rev A
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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

#01-5665	#02-5430	#03-5280	#04-5344	#05-5541	#06-5415	#07-5499	#08-5455	#09-5664	#10-5431
#11-5440	#12-5708	#13-5686	#14-5345	#15-5257	#16-5451	#17-5553	#18-5685	#19-5706	#20-5533
#21-5485	#22-5394	#23-5340	#24-5547	#25-5637	#26-5582	#27-5496	#28-5437	#29-5290	#30-5571
#31-5663	#32-5707	#33-5332	#34-5590	#35-5367	#36-5444	#37-5516	#38-5419	#39-5377	#40-5507
#41-5477	#42-5285	#43-5271	#44-5250	#45-5656	#46-5506	#47-5301	#48-5628	#49-5629	#50-5565
#51-5537	#52-5384	#53-5520	#54-5286	#55-5521	#56-5557	#57-5252	#58-5268	#59-5623	#60-5584
#61-5502	#62-5386	#63-5704	#64-5262	#65-5391	#66-5334	#67-5358	#68-5418	#69-5536	#70-5405
#71-5702	#72-5642	#73-5319	#74-5650	#75-5715	#76-5385	#77-5667	#78-5348	#79-5284	#80-5572
#81-5554	#82-5427	#83-5647	#84-5612	#85-5586	#86-5375	#87-5489	#88-5578	#89-5426	#90-5494
#91-5359	#92-5270	#93-5643	#94-5364	#95-5692	#96-5460	#97-5278	#98-5381	#99-5407	#100-5603

Type 6 #29 [Back to Summary]

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

#01-5652	#02-5595	#03-5470	#04-5717	#05-5632	#06-5262	#07-5607	#08-5487	#09-5642	#10-5403
#11-5352	#12-5382	#13-5450	#14-5561	#15-5631	#16-5436	#17-5531	#18-5674	#19-5280	#20-5462
#21-5313	#22-5657	#23-5549	#24-5667	#25-5616	#26-5256	#27-5600	#28-5418	#29-5591	#30-5456
#31-5319	#32-5627	#33-5414	#34-5659	#35-5626	#36-5557	#37-5427	#38-5620	#39-5679	#40-5362
#41-5341	#42-5508	#43-5340	#44-5613	#45-5443	#46-5528	#47-5310	#48-5333	#49-5654	#50-5328
#51-5351	#52-5670	#53-5539	#54-5720	#55-5295	#56-5350	#57-5387	#58-5439	#59-5449	#60-5692
#61-5516	#62-5324	#63-5258	#64-5636	#65-5579	#66-5697	#67-5399	#68-5459	#69-5660	#70-5253
#71-5537	#72-5322	#73-5357	#74-5507	#75-5526	#76-5716	#77-5469	#78-5369	#79-5511	#80-5624
#81-5519	#82-5302	#83-5700	#84-5445	#85-5257	#86-5645	#87-5593	#88-5711	#89-5325	#90-5268
#91-5433	#92-5567	#93-5571	#94-5592	#95-5347	#96-5338	#97-5315	#98-5332	#99-5363	#100-5634

Type 6 #30 [Back to Summary]

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

#01-5342	#02-5648	#03-5473	#04-5396	#05-5278	#06-5537	#07-5359	#08-5366	#09-5667	#10-5411
#11-5501	#12-5327	#13-5452	#14-5378	#15-5332	#16-5610	#17-5454	#18-5370	#19-5432	#20-5508
#21-5632	#22-5527	#23-5310	#24-5675	#25-5281	#26-5422	#27-5689	#28-5634	#29-5335	#30-5331
#31-5412	#32-5639	#33-5608	#34-5506	#35-5564	#36-5423	#37-5690	#38-5627	#39-5390	#40-5490
#41-5654	#42-5316	#43-5494	#44-5464	#45-5265	#46-5453	#47-5586	#48-5686	#49-5656	#50-5376
#51-5434	#52-5555	#53-5345	#54-5594	#55-5692	#56-5587	#57-5328	#58-5669	#59-5703	#60-5282
#61-5325	#62-5419	#63-5354	#64-5614	#65-5671	#66-5466	#67-5606	#68-5492	#69-5577	#70-5449
#71-5460	#72-5541	#73-5566	#74-5406	#75-5486	#76-5298	#77-5374	#78-5400	#79-5285	#80-5455
#81-5303	#82-5636	#83-5597	#84-5561	#85-5612	#86-5682	#87-5457	#88-5578	#89-5621	#90-5579
#91-5546	#92-5695	#93-5355	#94-5348	#95-5697	#96-5264	#97-5439	#98-5495	#99-5383	#100-5270

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575 Boulder Court
Pleasanton, California 94566, USA
Tel: +1 (925) 462 0304
Fax: +1 (925) 462 0306
www.micomlabs.com