Company: Aruba Networks

Test of: APIN0324, APIN0325 Wireless Access Point

To: FCC CFR 47 Part 15 Subpart E 15.407

Report No.: ARUB198-U3c DFS Rev A

DFS TEST REPORT

DFS TEST REPORT

FROM

Test of: Aruba Networks APIN0324, APIN0325 Wireless Access Point
to
To: FCC CFR 47 Part 15 Subpart E 15.407

Test Report Serial No.: ARUB198-U3c DFS Rev A

Note: this report is one of a set of three reports that together address the requirements for FCC 15.407

Report Number	Test Report Type
ARUB198-U3a	Conducted Test Report
ARUB198-U3b	Radiated Test Report
ARUB198-U3c	DFS Test Report

This report supersedes: NONE

Applicant: Aruba Networks
1344 Crossman Ave.
Sunnyvale, California 94089-1113
USA

Product Function: Transmission of voice and data traffic

Issue Date: 13th July 2015

This Test Report is Issued Under the Authority of:

MiCOM Labs, Inc.
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A2LA ACCREDITED
TESTING CERT #2381.01

MiCOM Labs is an ISO 17025 Accredited Testing Laboratory

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1. ACCREDITATION, LISTINGS & RECOGNITION

1.1. TESTING 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

American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

MICOM LABS

Pleasanton, CA

for technical competence in the field of

Electrical Testing

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

Presented this 28th day of February 2014.

President & CEO
For the Accreditation Council
Certificate Number 2381.01
Valid to November 30, 2015

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

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

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

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

2. DOCUMENT HISTORY

Document History		
Revision	Date	Comments
Draft	1st July 2015	
Draft #2	10th July 2015	
Draft #3	17th July 2015	
Rev A	21st July 2015	Initial Release
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In the above table the latest report revision will replace all earlier versions.

3. TEST RESULT CERTIFICATE

Manufacturer:	Aruba Networks 1344 Crossman Ave. Sunnyvale California 94089-1113 USA	**Tested By:**	MiCOM Labs, Inc. 575 Boulder Court Pleasanton California 94566 USA
Model:	APIN0324, APIN0325	**Telephone:** **Fax:**	+1 925 462 0304 +1 925 462 0306
Type Of Equipment:	Wireless Access Point		
S/N's:	DD0000558		
Test Date(s):	10th – 25th June 2015	**Website:**	www.micomlabs.com

STANDARD(S)	TEST RESULTS
FCC CFR 47 Part 15 Subpart E 15.407 (Report limited to DFS Testing Only)	**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:

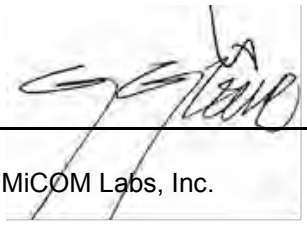
1. This document reports conditions under which testing was conducted and the results of testing performed.

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.

A2LA ACCREDITED
TESTING CERT #2381.01

Approved & Released for MiCOM Labs, Inc. by:



Graeme Grieve
Quality Manager MiCOM Labs, Inc.

Gordon Hurst
President & CEO MiCOM Labs, Inc.

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 v01	10th June 2015	Test guidance to demonstrate compliance for U-NII devices subject to DFS requirements.
III	KDB 926956 DO1 v01r02	17th October 2014	U-NII Device Transition Plan
IV	KDB 789033 D02 v01	6th June 2014	General UNII Test Procedures New Rules V01
V	A2LA	June 2015	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 3 2006	Memorandum Opinion and Order
XI	FCC 47 CFR Part 15.407	2014	Radio Frequency Devices; Subpart E –Unlicensed National Information Infrastructure Devices
XII	ICES-003	Issue 5 2012	Spectrum Management and Telecommunications; Interference-Causing Equipment Standard. Information Technology Equipment (ITE) – 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 (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices
XV	RSS-Gen, Issue 4	Nov 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.

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.

5. PRODUCT DETAILS AND TEST CONFIGURATIONS

5.1. Technical Details

Details	Description
Purpose:	Test of the Aruba Networks APIN0324, APIN0325 to FCC CFR 47 Part 15 Subpart E 15.407. Radio Frequency Devices; Subpart E –Unlicensed National Information Infrastructure Devices
Applicant:	Aruba Networks 1344 Crossman Ave. Sunnyvale California 94089-1113 USA
Manufacturer:	As Applicant
Laboratory performing the tests:	MiCOM Labs, Inc. 575 Boulder Court Pleasanton California 94566 USA
Test report reference number:	ARUB198-U3c
Date EUT received:	9th June 2015
Standard(s) applied:	FCC CFR 47 Part 15 Subpart E 15.407
Dates of test (from - to):	9th – 10th June 2015
No of Units Tested:	1
Type of Equipment:	802.11 a/b/g/n/ Wireless Access Point 4x4 Spacial Multiplexing MIMO Configuration
Product Family Name:	Wireless Access Point
Model(s):	APIN0324, APIN0325
Location for use:	Indoor
Declared Frequency Range(s):	5250 - 5350 MHz; 5470 - 5725 MHz;
Primary function of equipment:	Transmission of voice and data traffic
Secondary function of equipment:	None Provided
Type of Modulation:	OFDM
EUT Modes of Operation:	802.11a; 802.11ac-80; 802.11n HT-40;
Declared Nominal Output Power (Ave):	+23 dBm
Transmit/Receive Operation:	Transceiver - Half Duplex
Rated Input Voltage and Current:	AC/ DC adaptor (adaptor NOT sold with unit) 12Vdc
Operating Temperature Range:	Declared Range 0°C to 40°C
ITU Emission Designator:	802.11a: 16M4D1D 802.11ac-80: 75M9D1D 802.11n HT-20: 17M7D1D 802.11n HT-40: 36M2D1D
Equipment Dimensions:	APIN0324: 204mm x 204mm x 55mm / 8.0" x 8.0" x 2.2" (WxDxH) APIN0325: 204mm x 204mm x 35mm / 8.0" x 8.0" x 1.4" (WxDxH)
Weight:	APIN0324: 0.8 kg APIN0325: 0.8 kg
Hardware Rev:	3.0
Software Rev:	50274

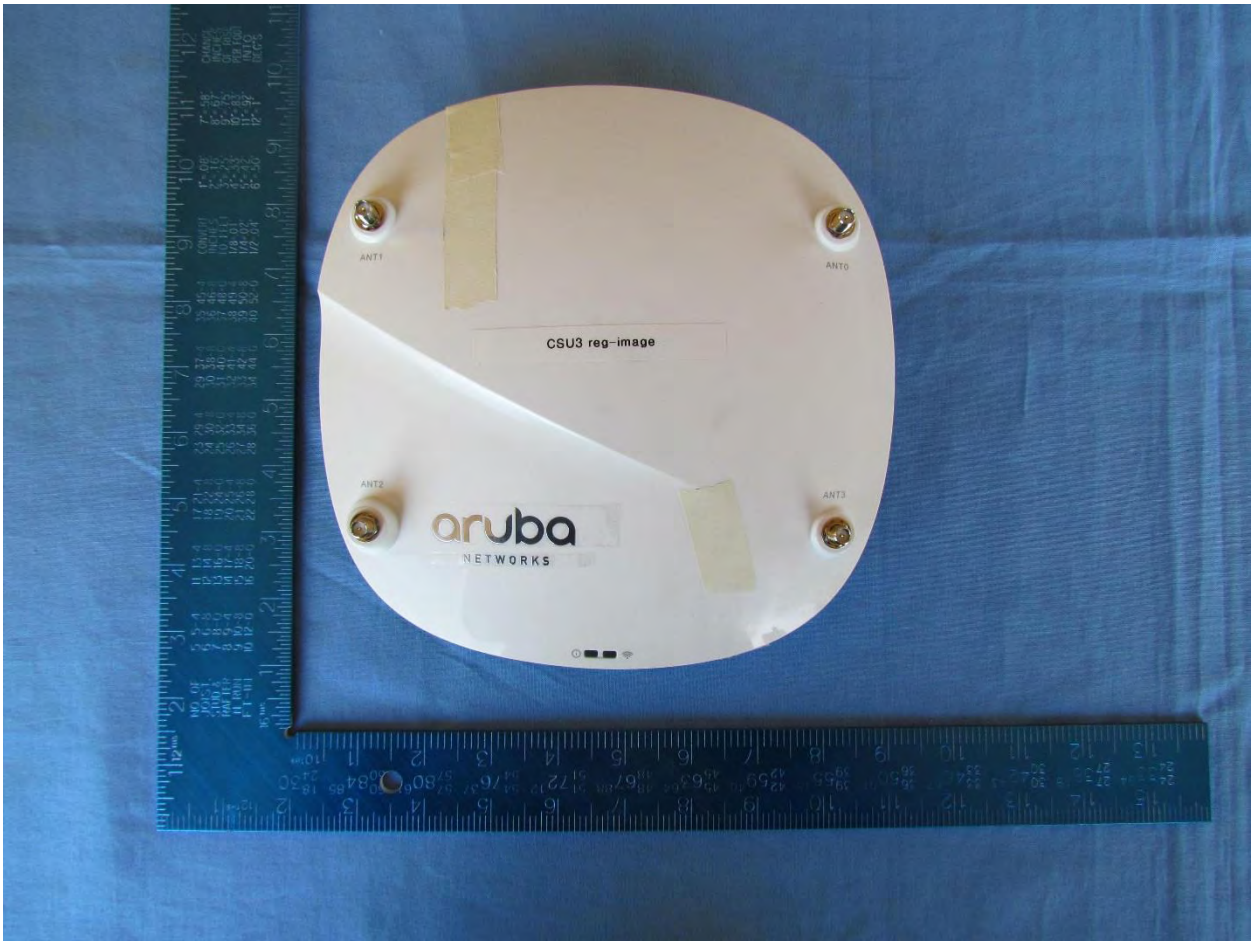
5.2. Scope Of Test Program

Aruba Networks APIN0324, APIN0325

The scope of the test program was to test the Aruba Networks APIN0324, APIN0325, 802.11 a/b/g/n/ Wireless Access Point 4x4 Spacial Multiplexing MIMO Configuration configurations in the frequency ranges 5250 - 5350 MHz; 5470 - 5725 MHz; for compliance against the following specification for DFS only:

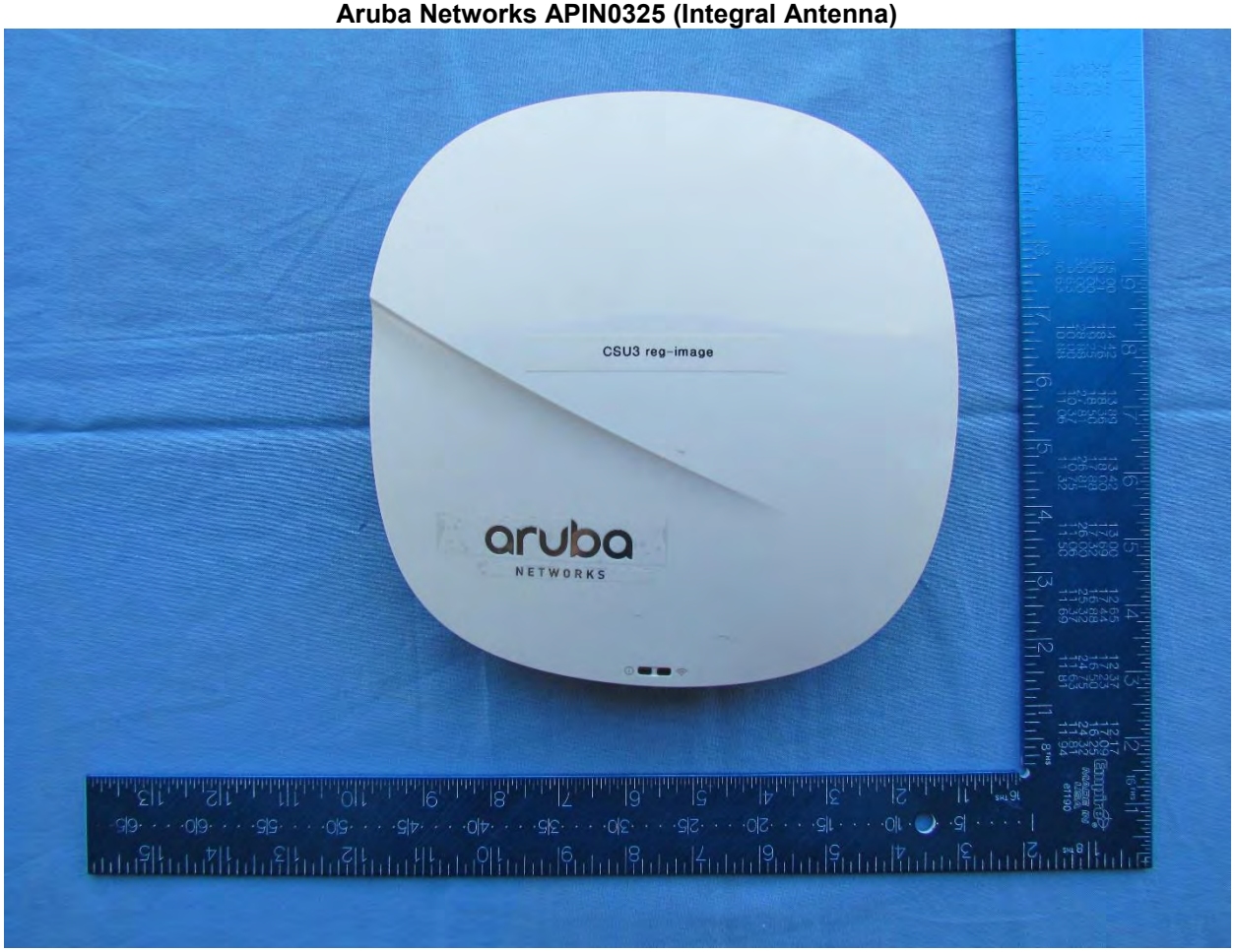
FCC CFR 47 Part 15 Subpart E 15.407
Radio Frequency Devices; Subpart E – Unlicensed National Information Infrastructure Devices

Aruba Networks APIN0324



APIN0324 - Top View

Aruba Networks APIN0325 (Integral Antenna)



Aruba APIN0325 - Top view

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

Type	Description	Manufacturer	Model	Serial no.	Delivery Date
EUT	EUT - Conducted Unit	Aruba Networks	APIN0324	DD0000558	9th June 2015
Support Equipment	Laptop Computer with EUT RF Software	DELL	Latitude E5440	7057172342	9th June 2015

5.4. Antenna Details

Type	Manufacturer	Model	Family	Gain (dBi)	BF Gain	Dir BW	X-Pol	Frequency Band (MHz)
integral	Aruba Networks	APIN0325	Metal Sheet	5.5	3.5	360	-	5250 – 5350 5470 - 5725
external	Aruba Networks	AP-ANT-1W	OMNI	5.8	6.0	360	-	5250 – 5350 5470 - 5725
external	Aruba Networks	AP-ANT-13B	Downtilt OMNI	3.3	6.0	360	-	5250 – 5350 5470 - 5725
external	Aruba Networks	AP-ANT-19	OMNI	6.0	6.0	360	-	5250 – 5350 5470 - 5725
external	Aruba Networks	AP-ANT-20W	OMNI	2.0	6.0	360	-	5250 – 5350 5470 - 5725
external	Aruba Networks	AP-ANT-40	Downtilt OMNI	5.0	3.0	360	-	5250 – 5350 5470 - 5725
external	Aruba Networks	AP-ANT-45	Multipolarized	5.0	3.0	360	-	5250 – 5350 5470 - 5725
external	Aruba Networks	AP-ANT-48	Multipolarized	8.5	3.0	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	2	N	RJ-45	Packet Data
RS232	0.5m	1	N	RJ-45	Digital

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	--	--
802.11n HT-40	13.5	5,510.00	--	--
802.11ac-80	29.3	5,530.00	--	--

5.7. Equipment Modifications

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

1. NONE

5.8. Deviations from the Test Standard

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

1. NONE

6. TEST SUMMARY

List of Measurements

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

7. TEST EQUIPMENT CONFIGURATION(S)

7.1. DFS - Conducted

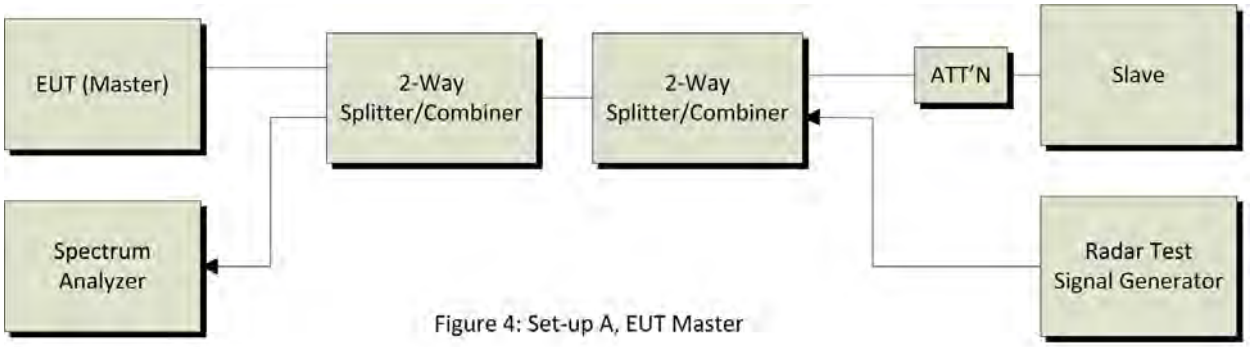


Figure 4: Set-up A, EUT Master

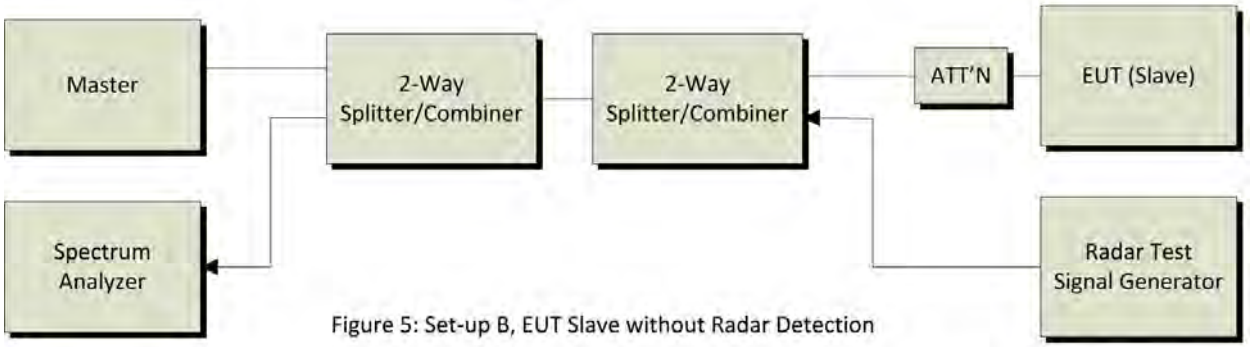


Figure 5: Set-up B, EUT Slave without Radar Detection

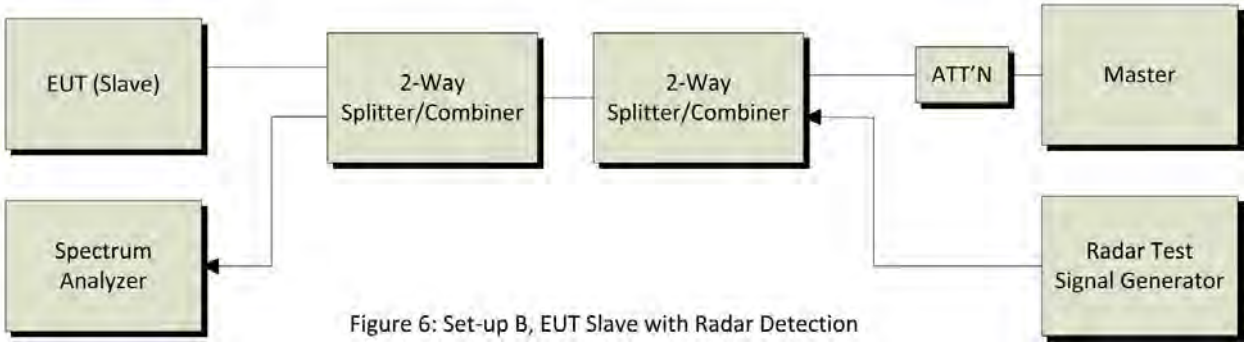


Figure 6: Set-up B, EUT Slave with Radar Detection

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

Asset#	Description	Manufacturer	Model#	Serial#	Calibration Due Date
158	Barometer/Thermometer	Control Company	4196	E2846	04 Dec 2015
299	Test Software DFS Test System	Aeroflex	DFS test Software	V2.4.0	Not Required
359	DFS System	Aeroflex	PXI-1042	300001/004	16 Jul 2015
417	Laptop for DFS with DFS software	Lenova	W520	DFS	Not Required
418	PCI-e interface card	National Instruments	Express 8360	174AAC5	Not Required
422	Splitter/Combiner	Pasternack	PE 2031	001	Cal when used
71	Spectrum Analyser 9KHz-50GHz	HP	8565E	3425A00181	06 Aug 2015
DFS PCIe#1	PCIe cable for Aeroflex	National Instruments	PCIe cable	None	Not Required
DFS SMA#1	SMA Cable for DFS	Megaphase	SMA Cable	None	Cal when used
DFS SMA#2	SMA Cable for DFS	Megaphase	SMA Cable	None	Cal when used
DFS SMA#3	SMA Cable for DFS	Megaphase	SMA Cable	None	Cal when used
DFS SMA#4	SMA Cable for DFS	Megaphase	SMA Cable	None	Cal when used

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.		

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.

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 ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power density <10 dBm/MHz	-62 dBm
EIRP < 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	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{\text{PRI}_{\mu\text{sec}}}\right)\right\}$	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 / 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 / Burst_Count) – (Total Burst Length) + (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.

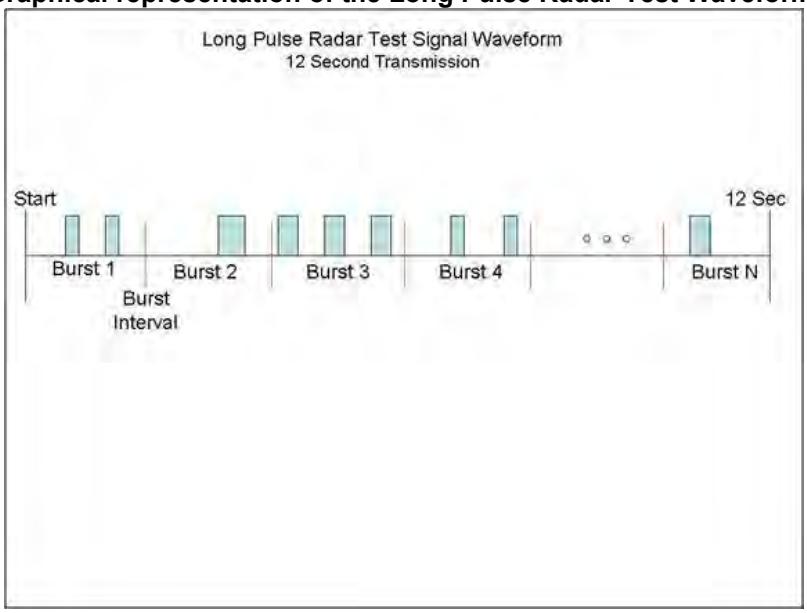
4. The pulse width (for both pulses) is randomly selected to be 75 microseconds.

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.



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.

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: Ambient
Antenna Gain used for Testing: 7.7 dBi (lowest effective antenna gain AP-ANT-40)

[Repeat for each different data rate]
Radio parameters: Transmit Power: Max Data Rate: 18 Mbit/s Duty Cycle: 30%
Number of Antenna Chains: 4
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.Mbit/s Duty Cycle:30%

Number of Antenna Chains: 4
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: ArubaOS 6.4.4.0
EUT Build number: DD0000558
Test Environmental Conditions - Ambient:
Temperature: 17 to 23 °C
Relative humidity: 31 to 57%
Pressure: 999 to 1012 mbar

9. TEST RESULTS

9.1. Dynamic Frequency Selection (DFS)

9.1.1. Channel Availability Check

9.1.1.1. Initial CAC – Power-On

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.

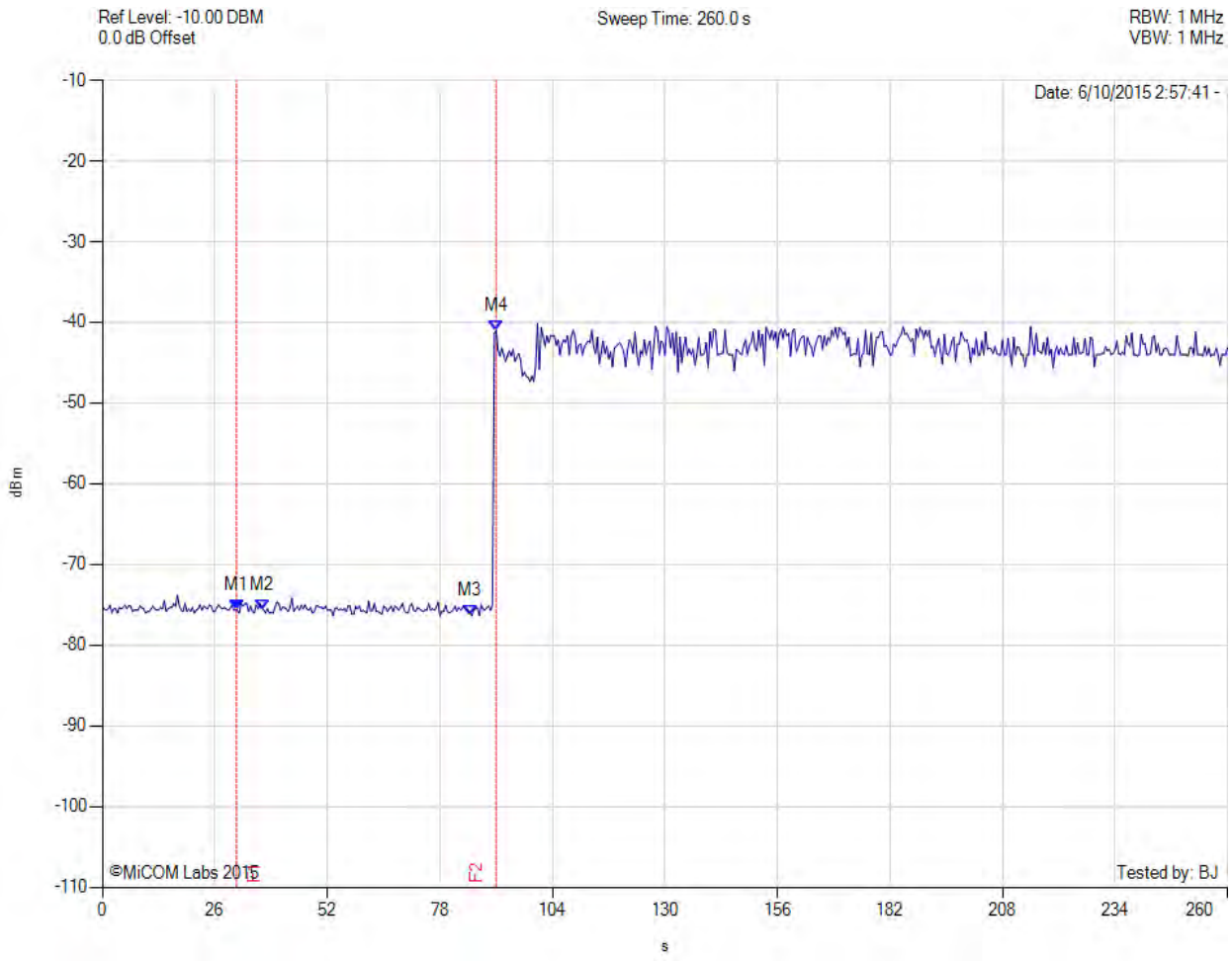
The EUT should not transmit any pulse or data transmissions until at least 1 minute after the completion of the power-on cycle.

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.

INITIAL CAC – POWER-ON

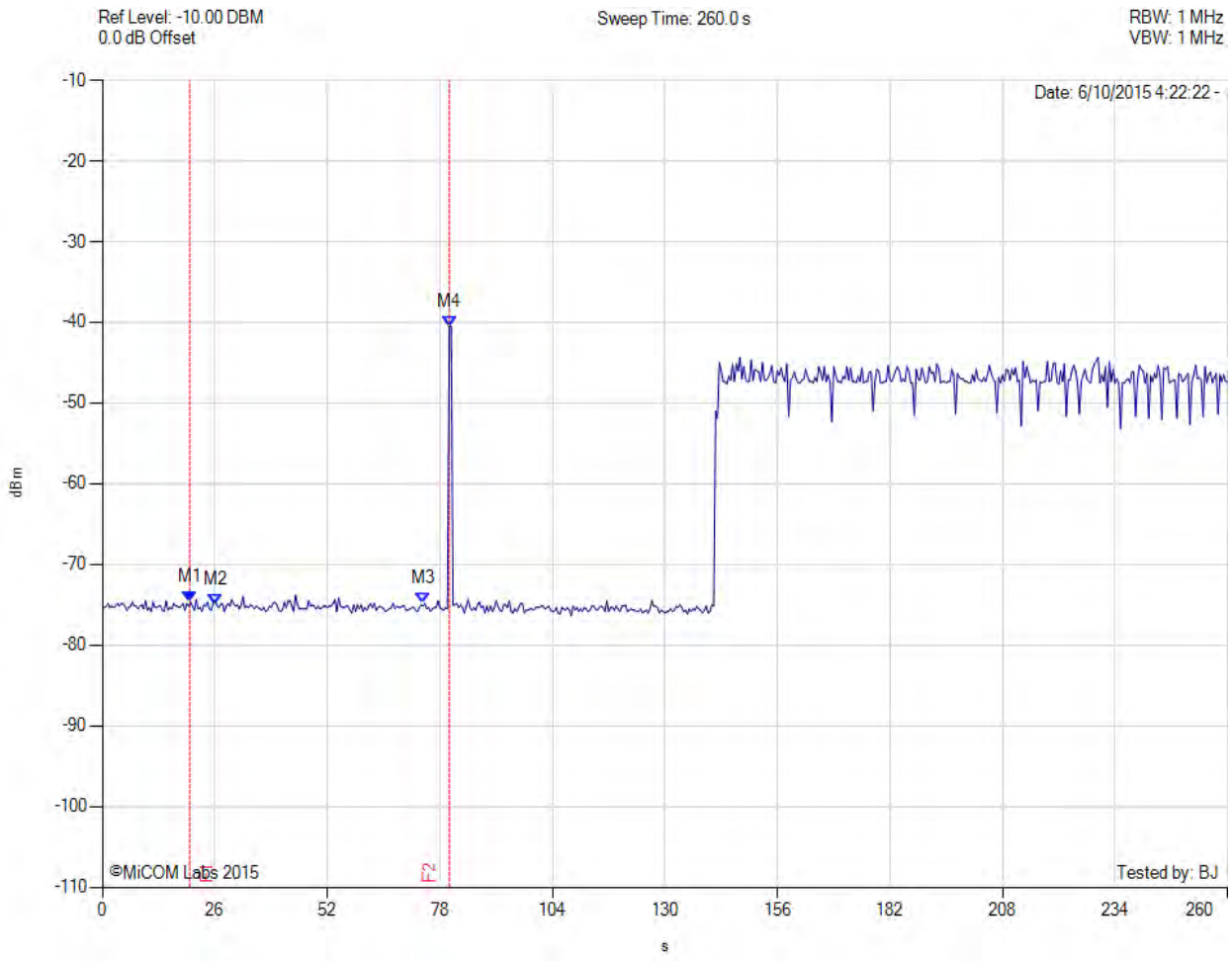
Variant: 802.11a, Channel: 5500.00 MHz, Data Rate: 18, Duty Cycle : 35.00%, Antenna Gain: 7.70 dBi



Analyser Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5495.00 MHz) : 31.000 s : -75.660 dBm M2(5495.00 MHz) : 37.000 s : -75.660 dBm M3(5495.00 MHz) : 85.000 s : -76.330 dBm M4(5495.00 MHz) : 91.000 s : -41.000 dBm	Channel Frequency: 5500.00 MHz

INITIAL CAC – POWER-ON

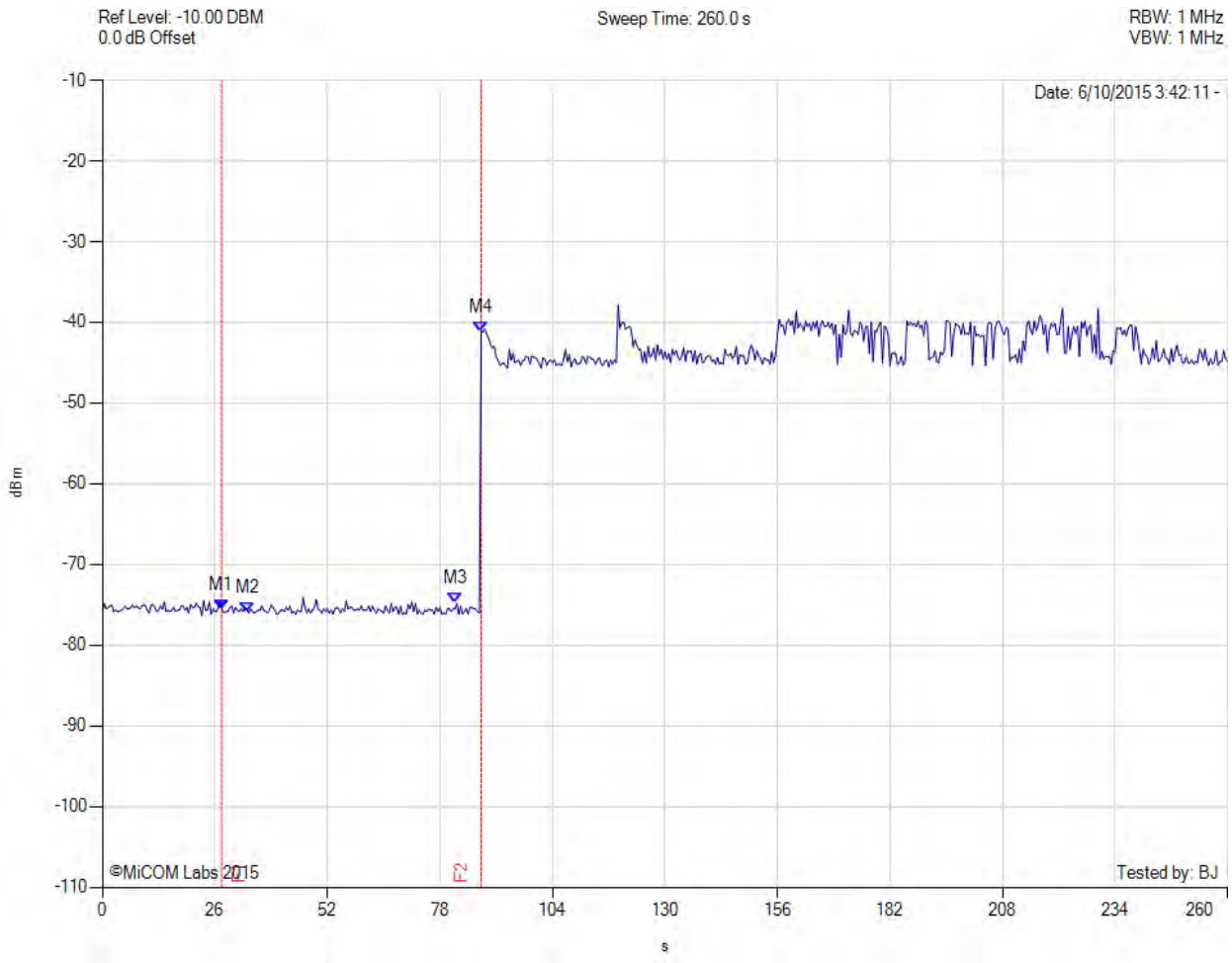
Variant: 802.11ac 80, Channel: 5530.00 MHz, Data Rate: 18, Duty Cycle : 35.00%, Antenna Gain: 7.70 dBi



Analyser Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5525.00 MHz) : 20.170 s : -74.660 dBm M2(5525.00 MHz) : 26.170 s : -75.000 dBm M3(5525.00 MHz) : 74.170 s : -74.830 dBm M4(5525.00 MHz) : 80.170 s : -40.500 dBm	Channel Frequency: 5530.00 MHz

INITIAL CAC – POWER-ON

Variant: 802.11n HT40, Channel: 5510.00 MHz, Data Rate: 18, Duty Cycle : 35.00%, Antenna Gain: 7.70 dBi



Analyser Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5505.00 MHz) : 27.530 s : -75.660 dBm M2(5505.00 MHz) : 33.530 s : -76.000 dBm M3(5505.00 MHz) : 81.530 s : -74.830 dBm M4(5505.00 MHz) : 87.530 s : -41.160 dBm	Channel Frequency: 5510.00 MHz

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.

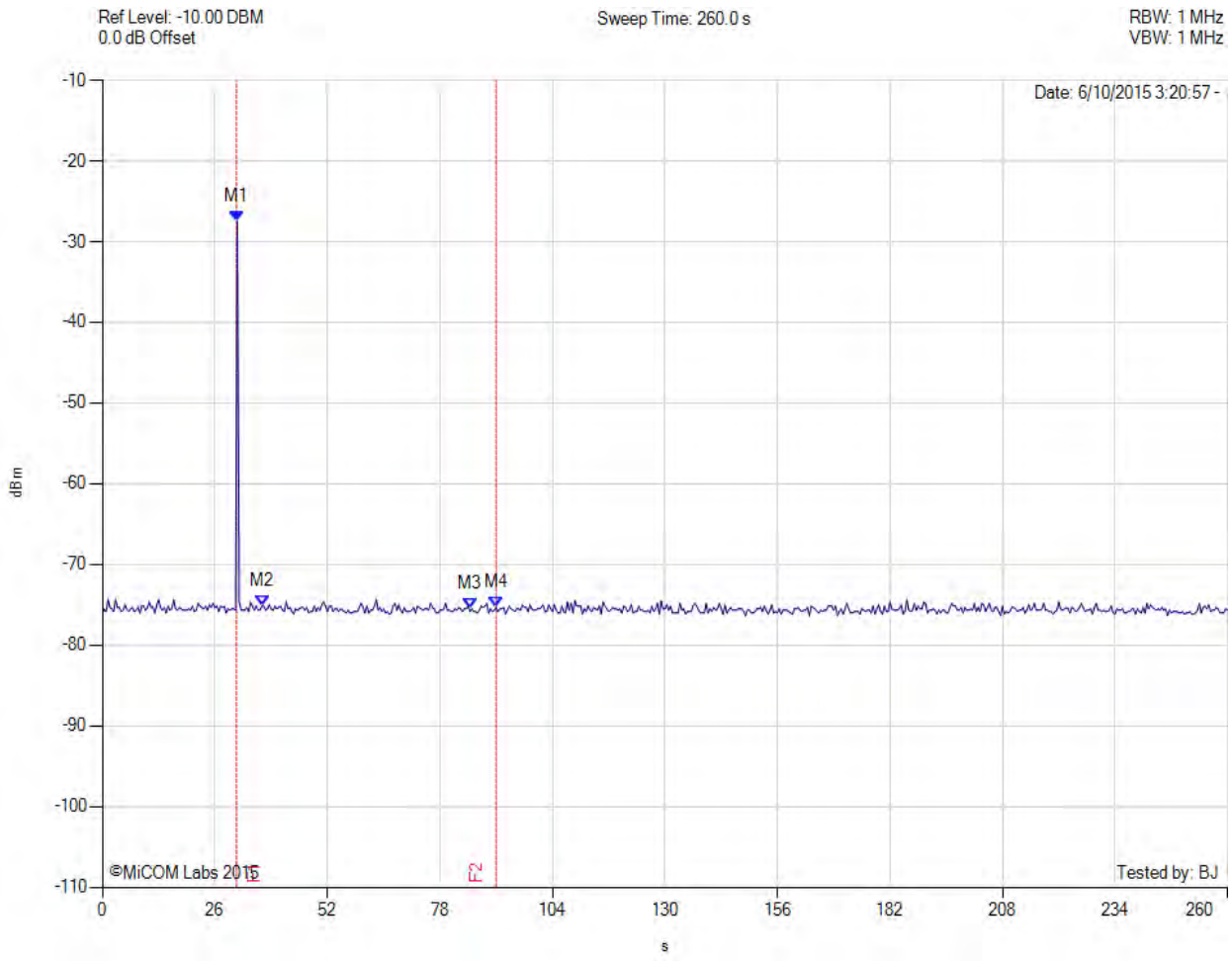
A single Burst of short pulse of radar Type 1 will commence within a 6 second window starting at T0 (first red vertical marker line on the plot).

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.

BEGINNING CAC

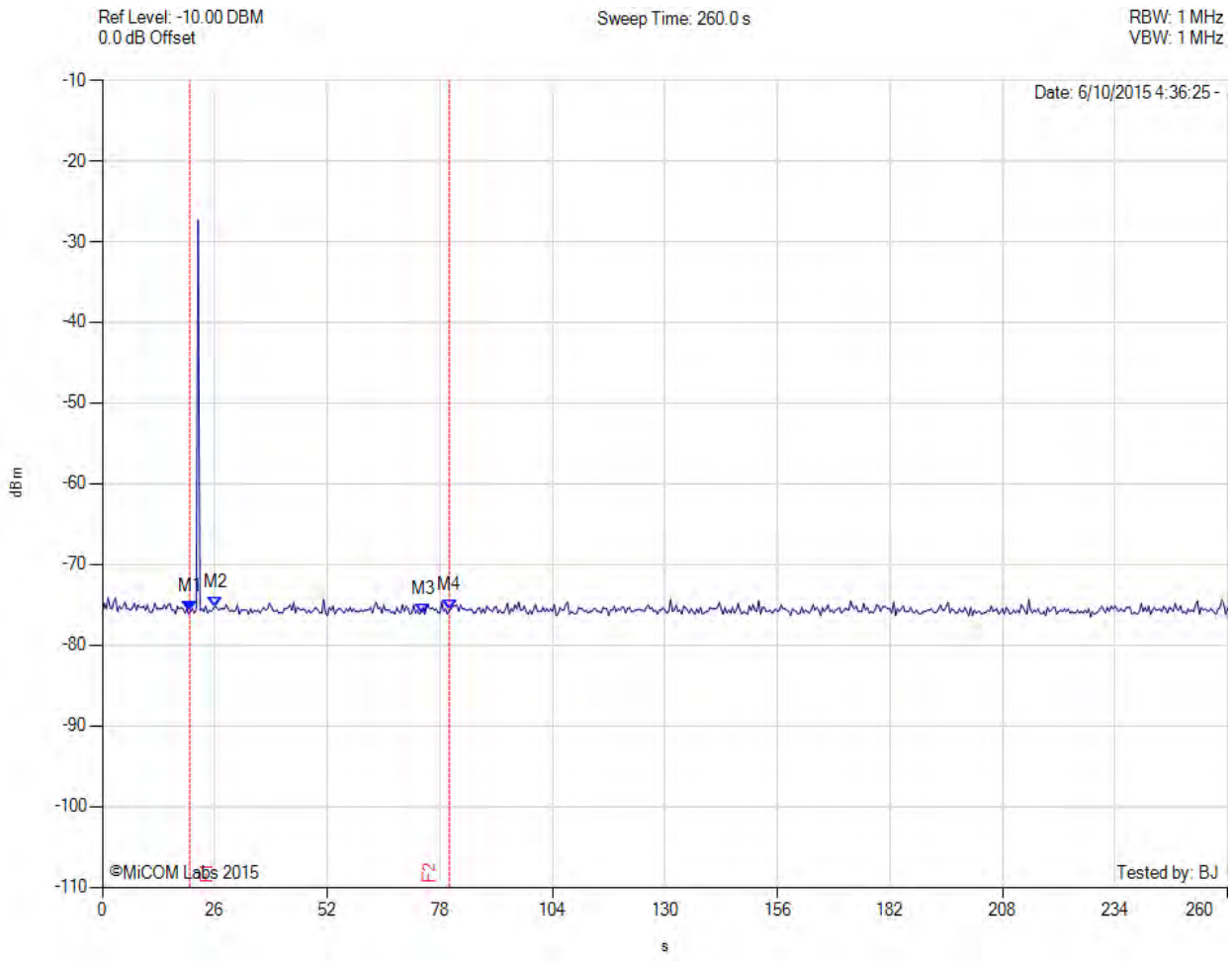
Variant: 802.11a, Channel: 5500.00 MHz, Data Rate: 18, Duty Cycle : 35.00%, Antenna Gain: 7.70 dBi



Analyser Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5495.00 MHz) : 31.000 s : -27.500 dBm M2(5495.00 MHz) : 37.000 s : -75.160 dBm M3(5495.00 MHz) : 85.000 s : -75.500 dBm M4(5495.00 MHz) : 91.000 s : -75.330 dBm	Channel Frequency: 5500.00 MHz

BEGINNING CAC

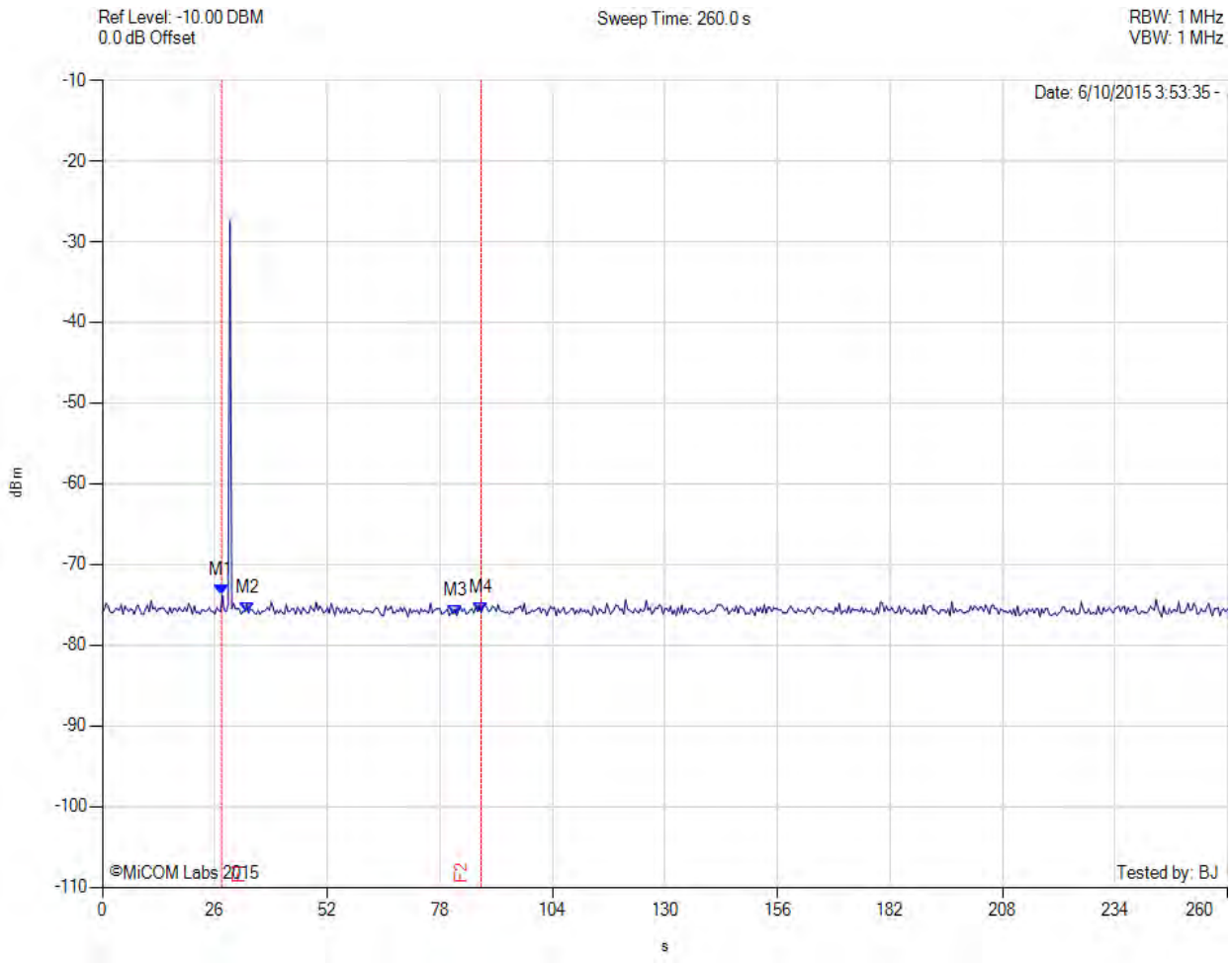
Variant: 802.11ac 80, Channel: 5530.00 MHz, Data Rate: 18, Duty Cycle : 35.00%, Antenna Gain: 7.70 dBi



Analyser Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5525.00 MHz) : 20.170 s : -75.830 dBm M2(5525.00 MHz) : 26.170 s : -75.330 dBm M3(5525.00 MHz) : 74.170 s : -76.160 dBm M4(5525.00 MHz) : 80.170 s : -75.660 dBm	Channel Frequency: 5530.00 MHz

BEGINNING CAC

Variant: 802.11n HT40, Channel: 5510.00 MHz, Data Rate: 18, Duty Cycle : 35.00%, Antenna Gain: 7.70 dBi



Analyser Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5505.00 MHz) : 27.530 s : -73.830 dBm M2(5505.00 MHz) : 33.530 s : -76.000 dBm M3(5505.00 MHz) : 81.530 s : -76.330 dBm M4(5505.00 MHz) : 87.530 s : -76.000 dBm	Channel Frequency: 5510.00 MHz

9.1.1.3. End CAC

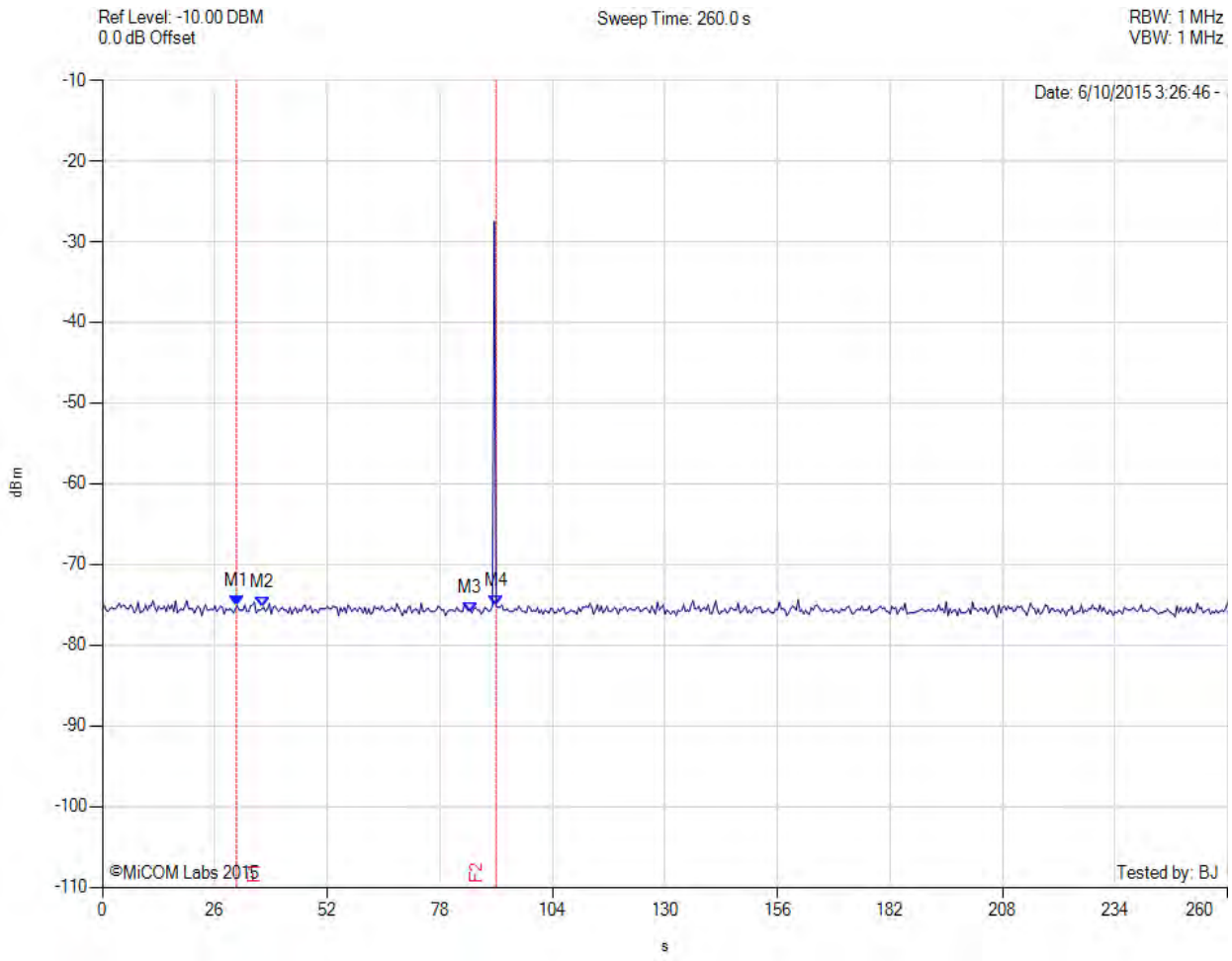
The steps below define the procedure to verify successful radar detection on the selected Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold occurs at the end of the Channel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

A single Burst of short pulse of radar Type 1 will commence within a 6 second window starting at T0 + 54 seconds. The window will commence at marker 3 and end at the red time line T2 (T0 + 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.

END CAC

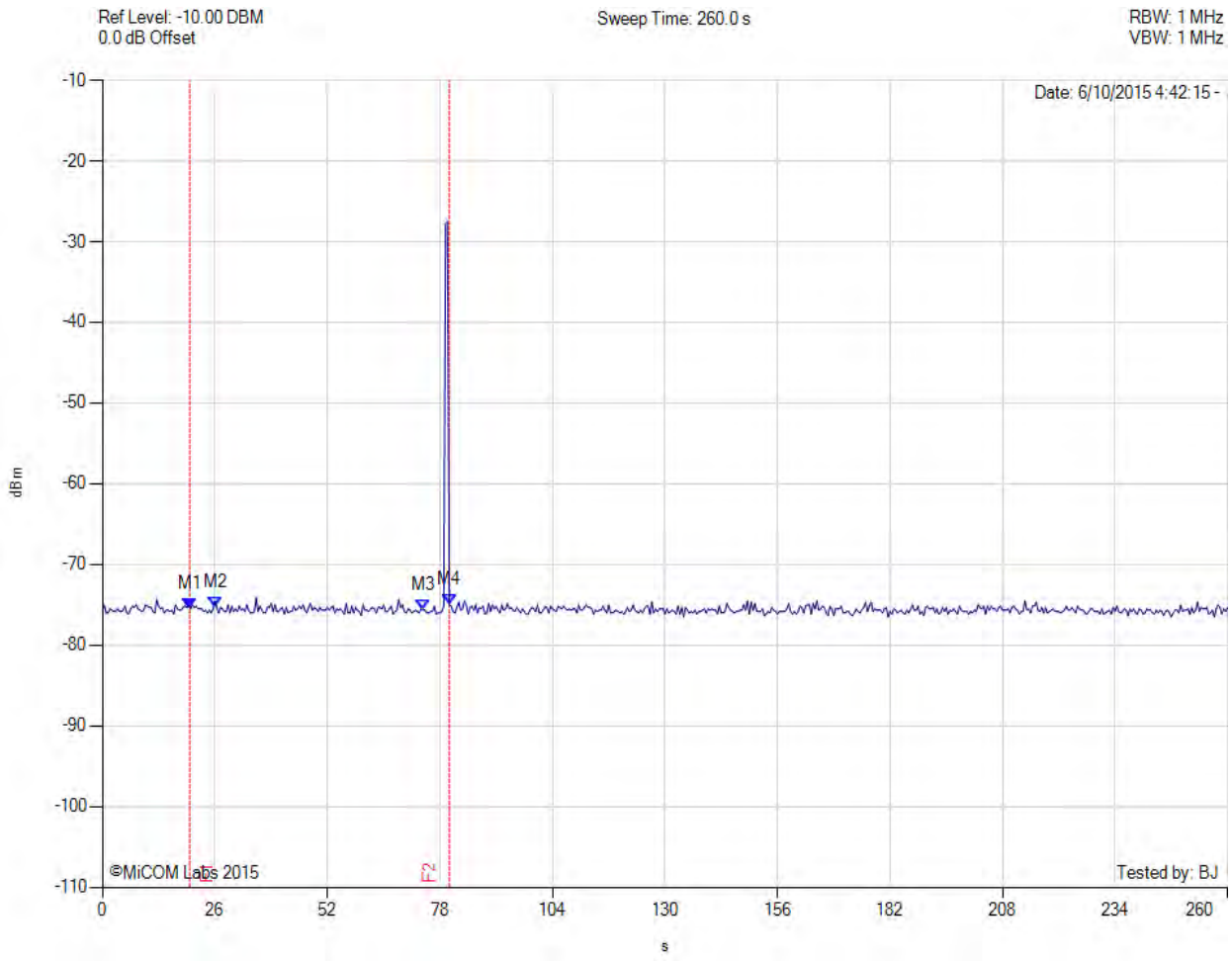
Variant: 802.11a, Channel: 5500.00 MHz, Data Rate: 18, Duty Cycle : 35.00%, Antenna Gain: 7.70 dBi



Analyser Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5495.00 MHz) : 31.000 s : -75.160 dBm M2(5495.00 MHz) : 37.000 s : -75.330 dBm M3(5495.00 MHz) : 85.000 s : -76.000 dBm M4(5495.00 MHz) : 91.000 s : -75.160 dBm	Channel Frequency: 5500.00 MHz

END CAC

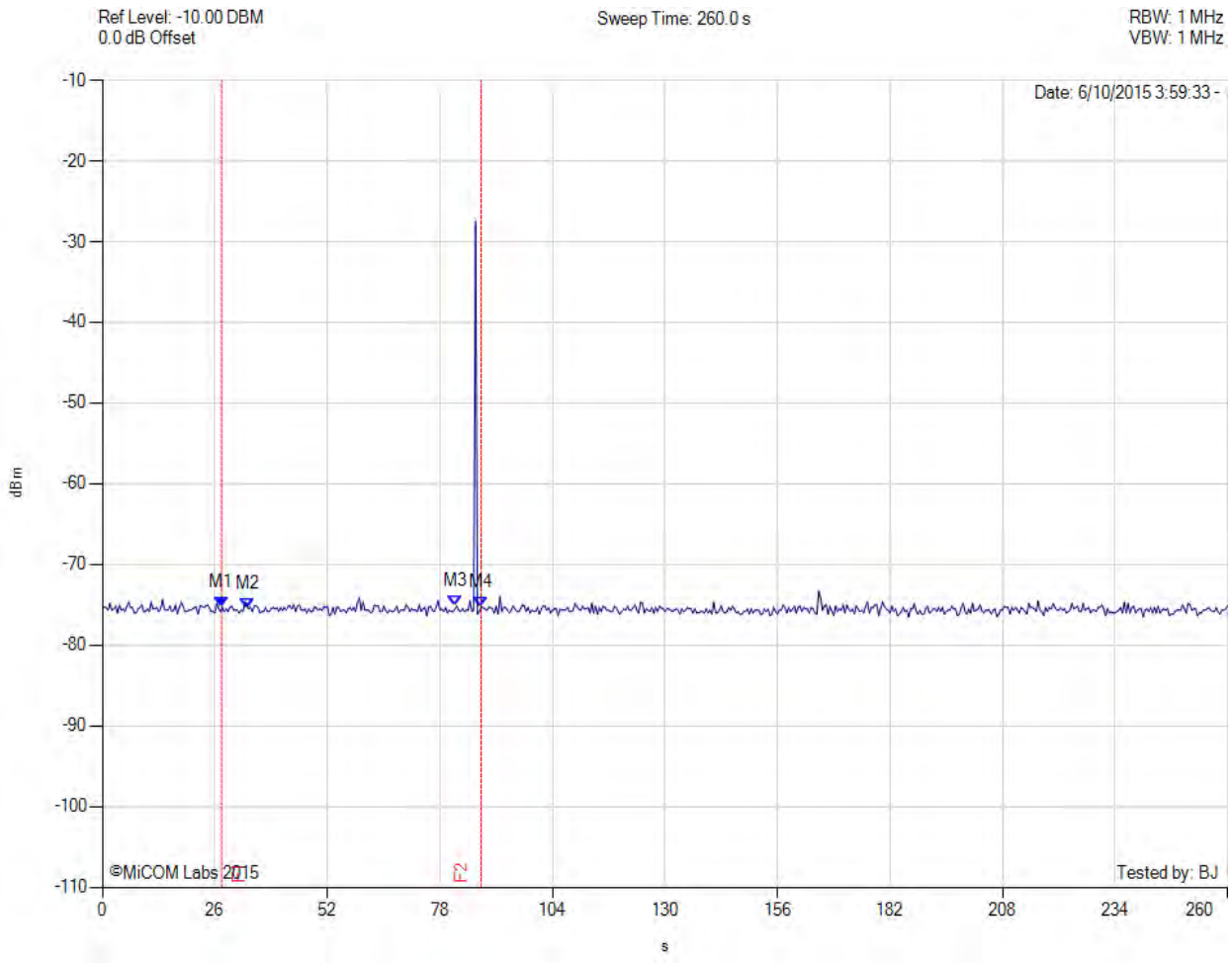
Variant: 802.11ac 80, Channel: 5530.00 MHz, Data Rate: 18, Duty Cycle : 35.00%, Antenna Gain: 7.70 dBi



Analyser Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5525.00 MHz) : 20.170 s : -75.500 dBm M2(5525.00 MHz) : 26.170 s : -75.330 dBm M3(5525.00 MHz) : 74.170 s : -75.660 dBm M4(5525.00 MHz) : 80.170 s : -75.000 dBm	Channel Frequency: 5530.00 MHz

END CAC

Variant: 802.11n HT40, Channel: 5510.00 MHz, Data Rate: 18, Duty Cycle : 35.00%, Antenna Gain: 7.70 dBi



Analyser Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5505.00 MHz) : 27.530 s : -75.330 dBm M2(5505.00 MHz) : 33.530 s : -75.500 dBm M3(5505.00 MHz) : 81.530 s : -75.160 dBm M4(5505.00 MHz) : 87.530 s : -75.330 dBm	Channel Frequency: 5510.00 MHz

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 is 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 Mode 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”.

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

Frequency 5500 MHz Channel 100

The PXI system measures and aggregates the pulses occurring after the end of the radar pulse to determine;-

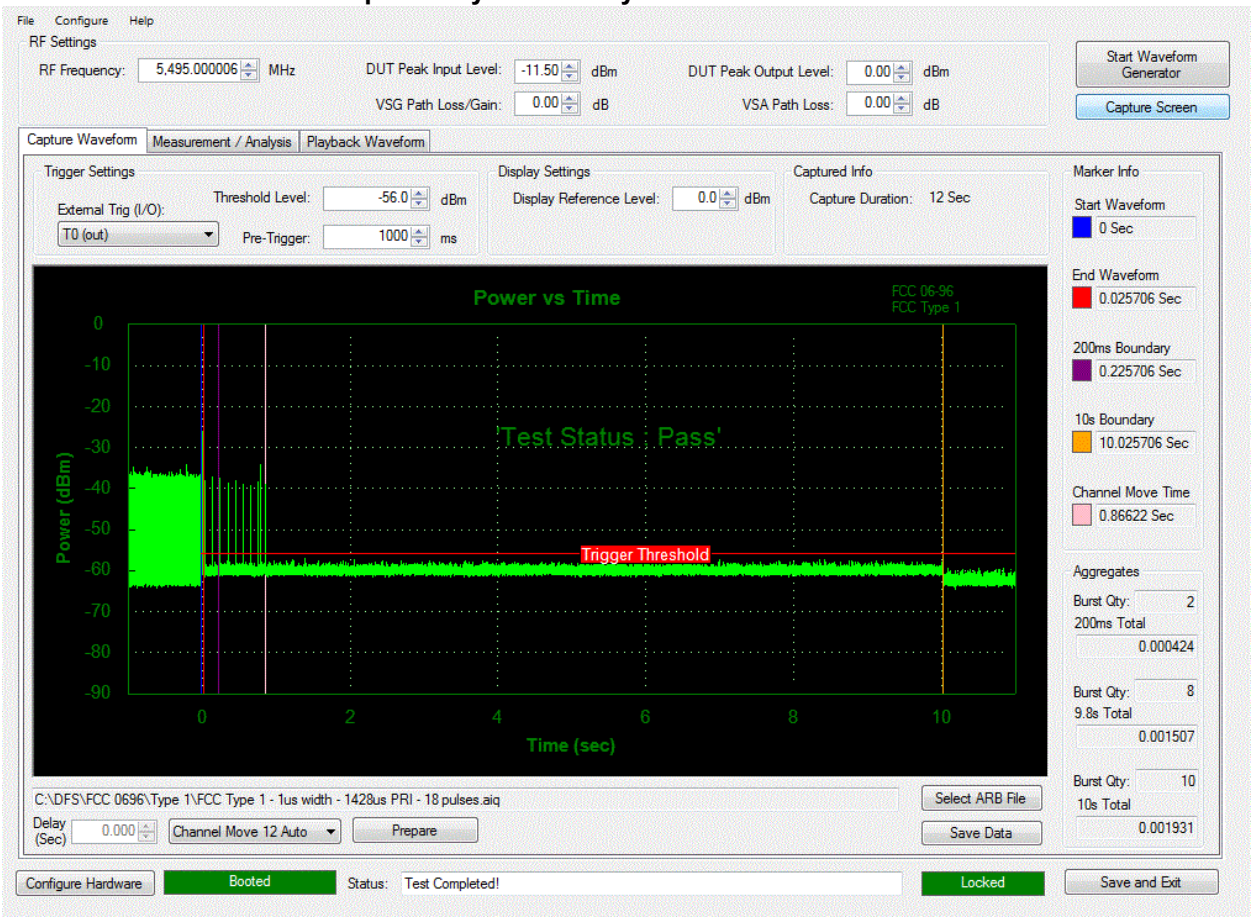
1) Channel Closing Transmission Time (limit is 1 second)

2) Channel Move Time (limit is 10 seconds)

1) Channel Closing Transmission Time = 1.931 mSecs (limit 250 mSec)

2) Channel Move Time = 0.86622 Secs (limit is 10 seconds)

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



Frequency 5510 MHz Channel 102

The PXI system measures and aggregates the pulses occurring after the end of the radar pulse to determine;-

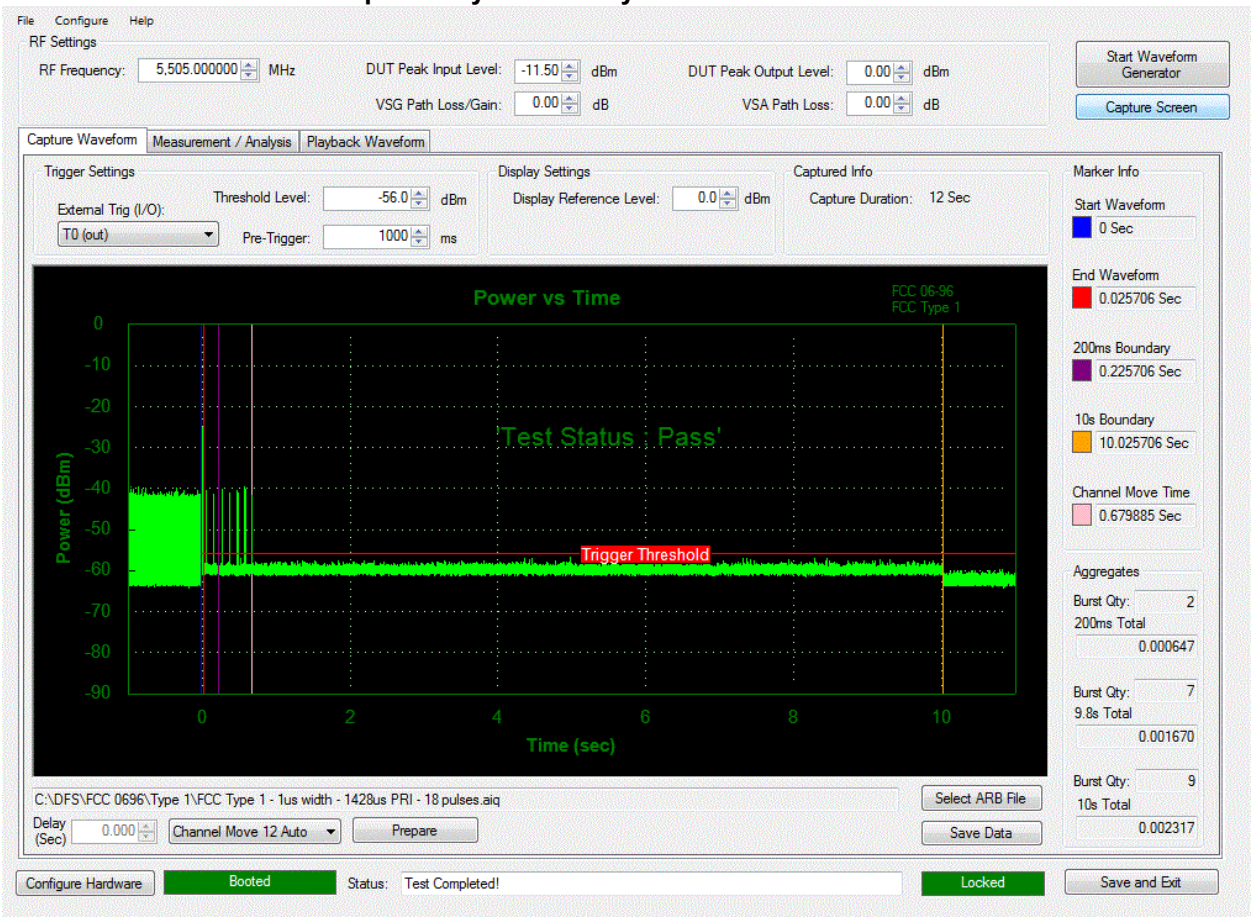
1) Channel Closing Transmission Time (limit is 1 second)

2) Channel Move Time (limit is 10 seconds)

1) Channel Closing Transmission Time = 2.317 mSecs (limit 250 mSec)

2) Channel Move Time = 0.679885 Secs (limit is 10 seconds)

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



Frequency 5530 MHz Channel 103

The PXI system measures and aggregates the pulses occurring after the end of the radar pulse to determine;-

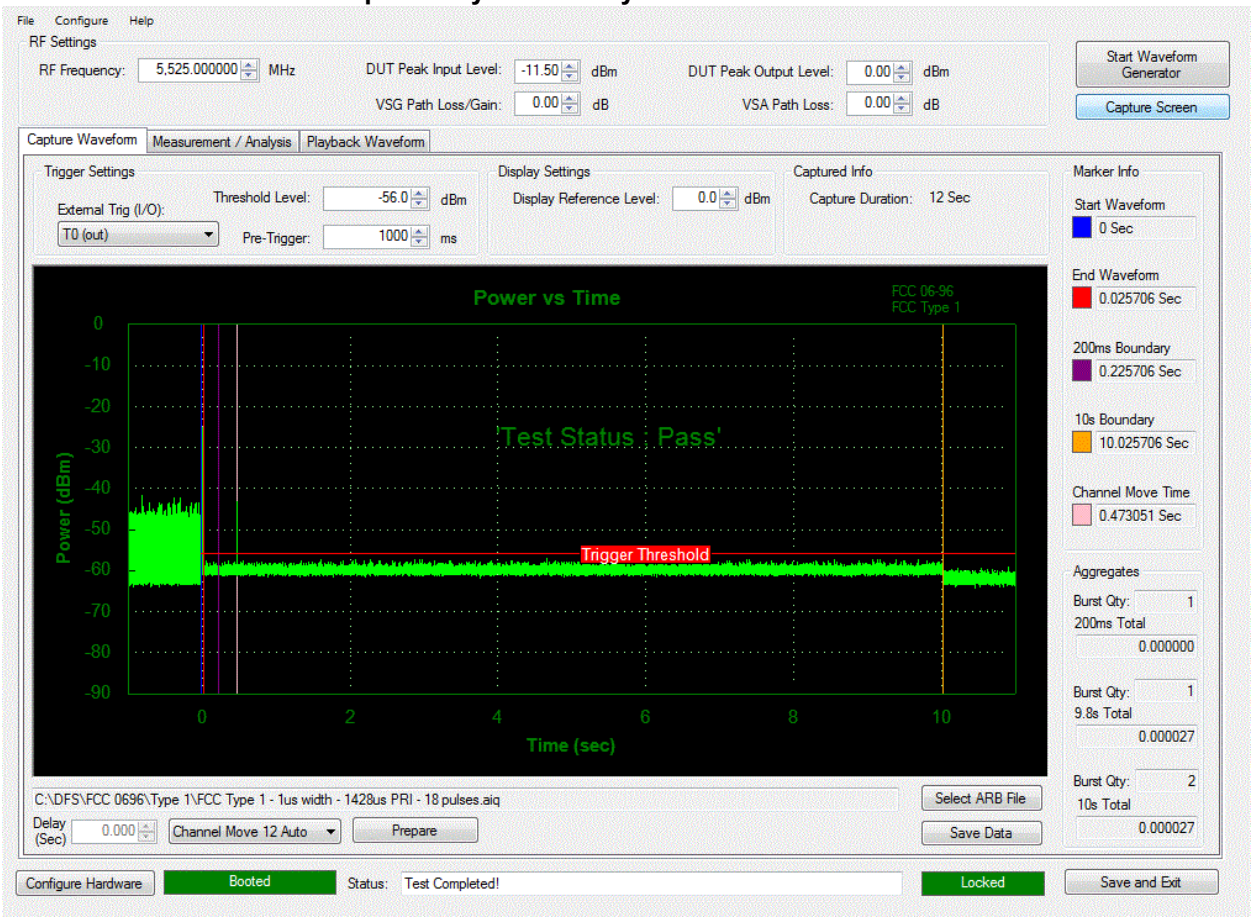
1) Channel Closing Transmission Time (limit is 1 second)

2) Channel Move Time (limit is 10 seconds)

1) Channel Closing Transmission Time = 0.027 mSecs (limit 250 mSec)

2) Channel Move Time = 0.473051 Secs (limit is 10 seconds)

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

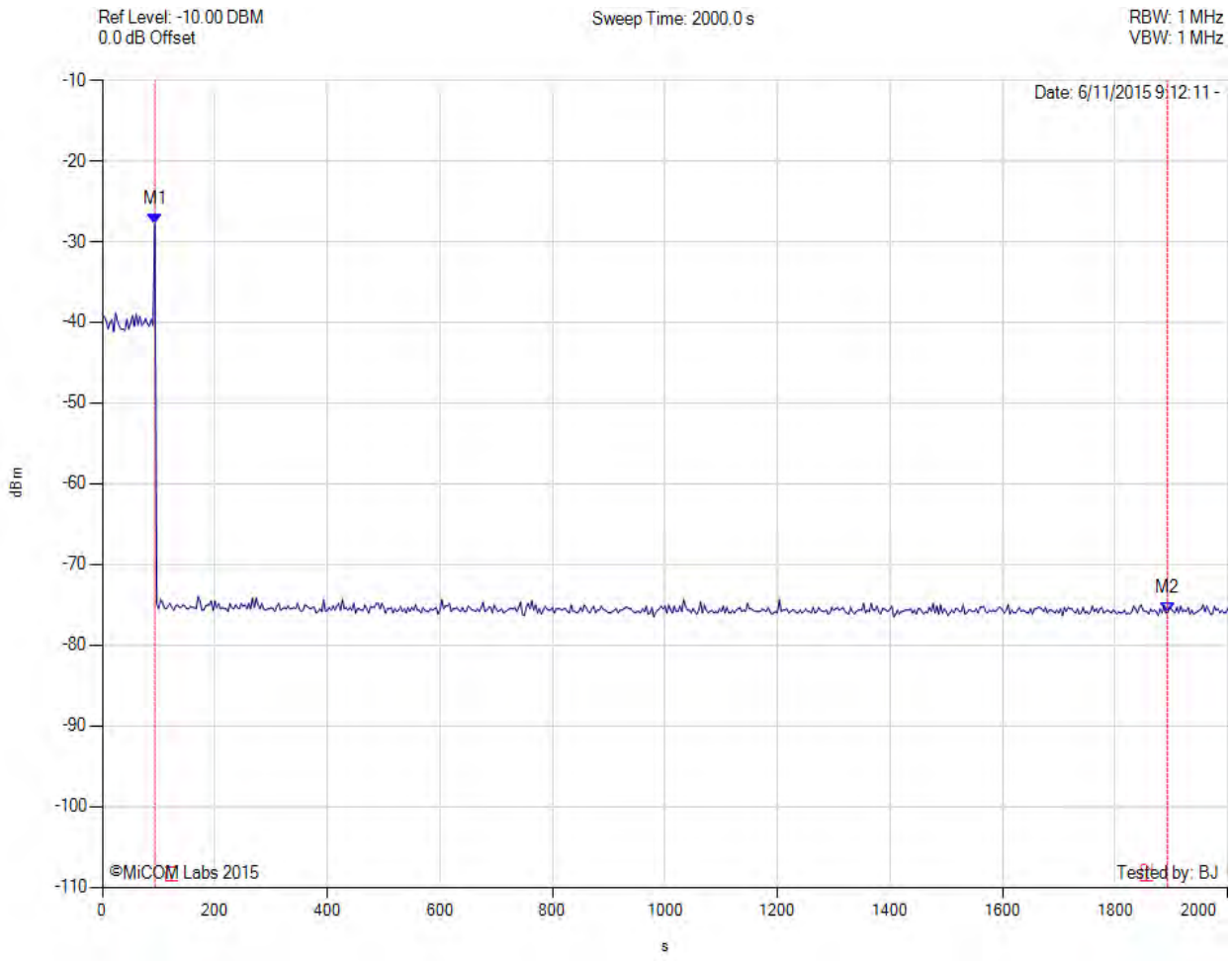


9.1.3. Non-Occupancy Period

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.

NON-OCCUPANCY PERIOD

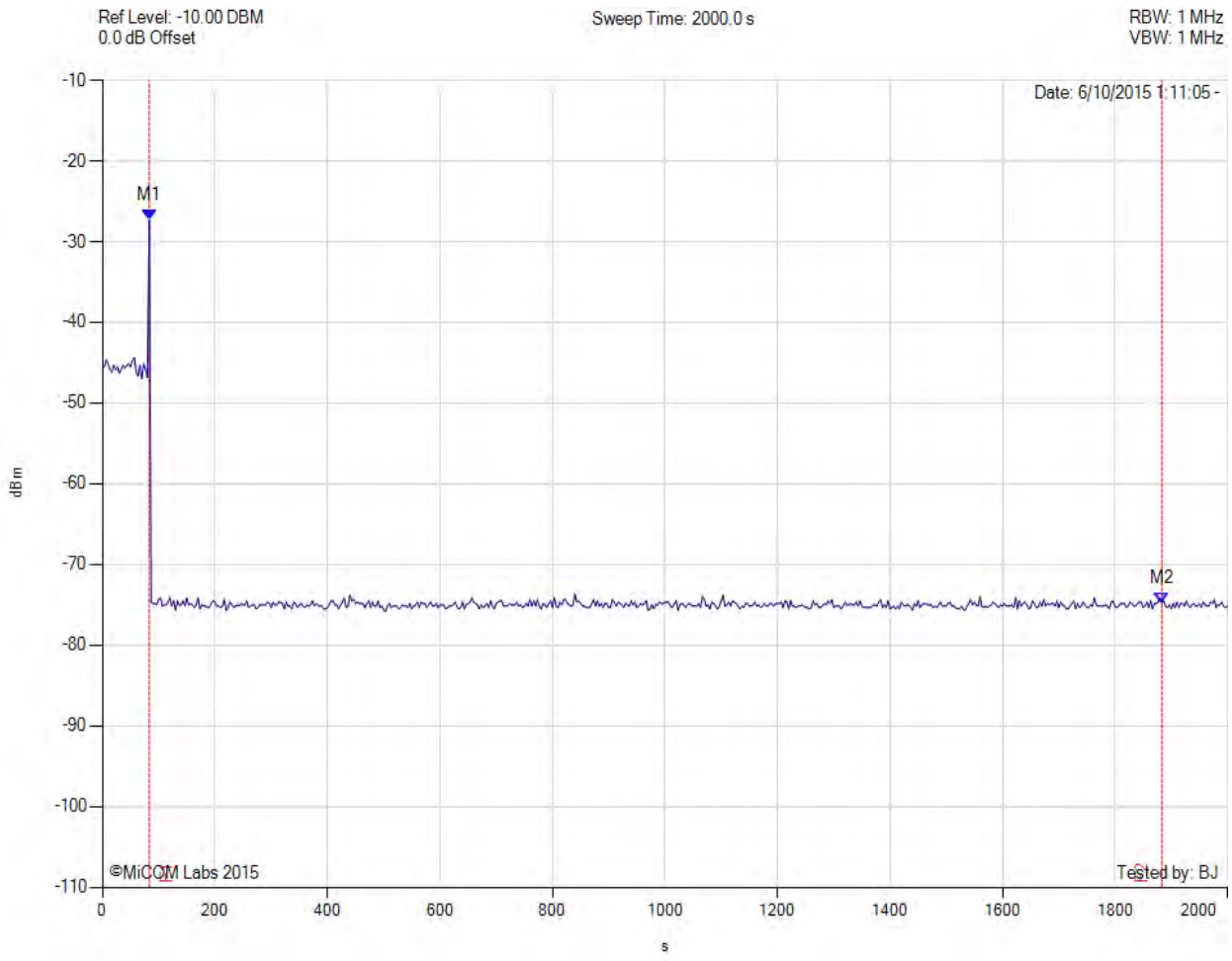
Variant: 802.11a, Channel: 5500.00 MHz, Data Rate: 18, Duty Cycle : 35.00%, Antenna Gain: 7.70 dBi



Analyser Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5495.00 MHz) : 93.330 s : -27.830 dBm M2(5495.00 MHz) : 1893.330 s : -76.000 dBm	Channel Frequency: 5500.00 MHz

NON-OCCUPANCY PERIOD

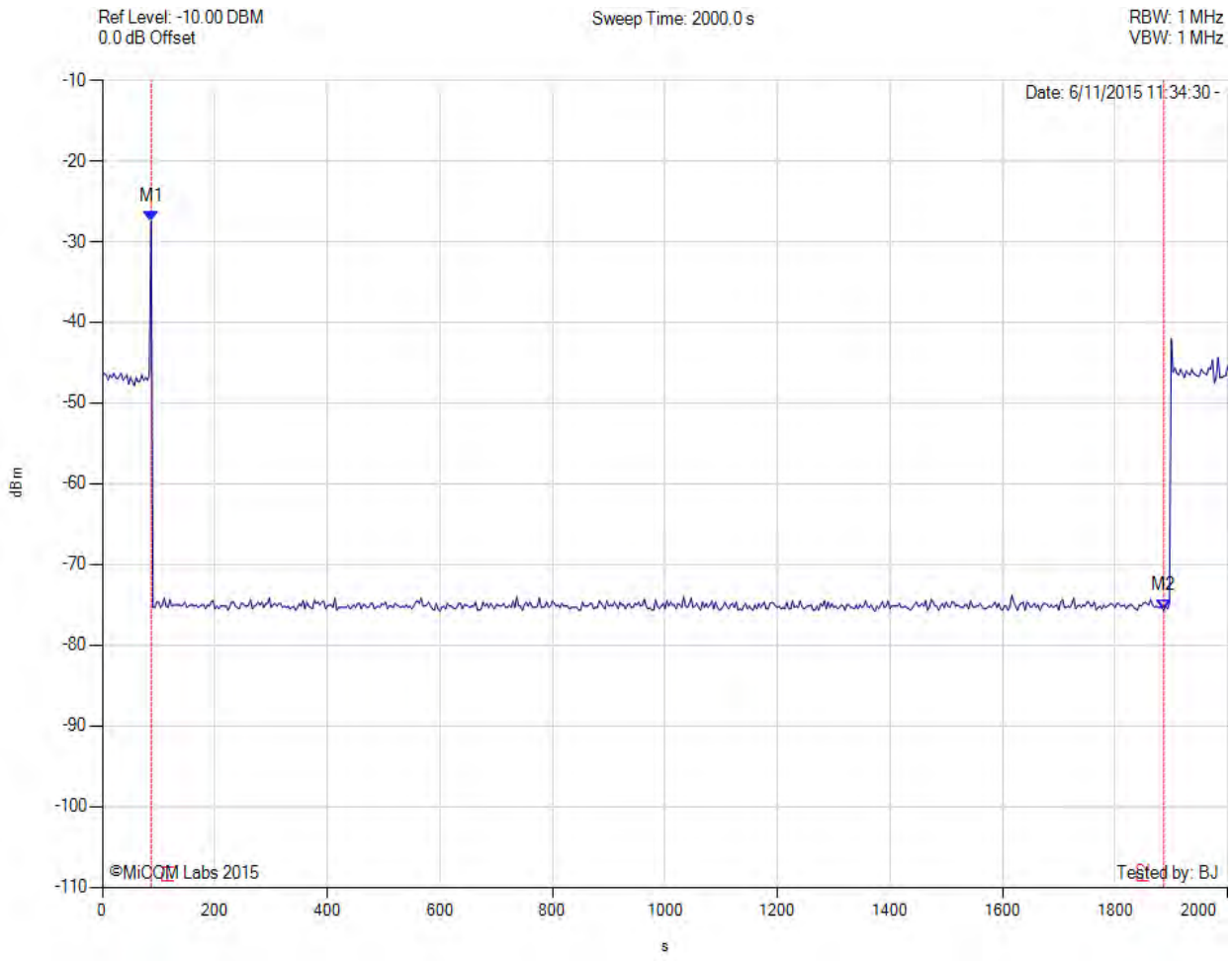
Variant: 802.11ac 80, Channel: 5530.00 MHz, Data Rate: 18, Duty Cycle : 35.00%, Antenna Gain: 7.70 dBi



Analyser Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5525.00 MHz) : 83.330 s : -27.330 dBm M2(5525.00 MHz) : 1883.330 s : -74.830 dBm	Channel Frequency: 5530.00 MHz

NON-OCCUPANCY PERIOD

Variant: 802.11n HT40, Channel: 5510.00 MHz, Data Rate: 18, Duty Cycle : 35.00%, Antenna Gain: 7.70 dBi



Analyser Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5505.00 MHz) : 86.670 s : -27.500 dBm M2(5505.00 MHz) : 1886.670 s : -75.660 dBm	Channel Frequency: 5510.00 MHz

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:

Total # of detections ÷ Total # of Trials × 100 = 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%			

Equipment Configuration for Radar Type 1

Variant:	802.11a	**Duty Cycle (%):**	35.00
Data Rate:	18	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
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**	**30**	**100.00%**	**Complies**

Equipment Configuration for Radar Type 2

Variant:	802.11a	**Duty Cycle (%):**	35.00
Data Rate:	18	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1.2	6579	152	25	1	1	100.00%	DETECTED
1.2	4348	230	25	1	1	100.00%	DETECTED
1.3	5236	191	24	1	1	100.00%	DETECTED
1.4	5128	195	24	1	1	100.00%	DETECTED
1.5	4525	221	23	1	1	100.00%	DETECTED
1.6	4739	211	25	1	1	100.00%	DETECTED
1.7	6211	161	24	1	1	100.00%	DETECTED
1.7	6061	165	26	1	1	100.00%	DETECTED
1.7	6623	151	26	1	1	100.00%	DETECTED
1.8	4425	226	25	1	1	100.00%	DETECTED
1.9	4950	202	25	1	1	100.00%	DETECTED
1.9	6329	158	26	1	1	100.00%	DETECTED
2	6173	162	27	1	1	100.00%	DETECTED
2.5	6098	164	25	1	1	100.00%	DETECTED
2.7	4695	213	26	1	1	100.00%	DETECTED
2.7	5376	186	25	1	1	100.00%	DETECTED
3	5155	194	29	1	1	100.00%	DETECTED
3.5	6410	156	25	1	1	100.00%	DETECTED
3.5	6579	152	26	1	1	100.00%	DETECTED
3.7	4525	221	25	1	1	100.00%	DETECTED
3.9	5405	185	29	1	1	100.00%	DETECTED
4	6061	165	29	1	1	100.00%	DETECTED
4	5587	179	25	1	1	100.00%	DETECTED
4.1	6061	165	25	1	1	100.00%	DETECTED
4.1	4673	214	29	1	1	100.00%	DETECTED
4.5	4425	226	23	1	1	100.00%	DETECTED
4.6	5882	170	28	1	1	100.00%	DETECTED
4.7	5618	178	23	1	0	0.00%	NOT DETECTED
4.7	6536	153	26	1	1	100.00%	DETECTED
4.8	5618	178	25	1	1	100.00%	DETECTED
			Aggregate:	**30**	**29**	**96.67%**	**Complies**

Equipment Configuration for Radar Type 3

Variant:	802.11a	**Duty Cycle (%):**	35.00
Data Rate:	18	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
10	3937	254	17	1	1	100.00%	DETECTED
10	4695	213	17	1	1	100.00%	DETECTED
6.1	4386	228	18	1	1	100.00%	DETECTED
6.1	2747	364	18	1	1	100.00%	DETECTED
6.1	2717	368	16	1	1	100.00%	DETECTED
6.1	2538	394	17	1	1	100.00%	DETECTED
6.1	3425	292	17	1	1	100.00%	DETECTED
6.2	3802	263	17	1	1	100.00%	DETECTED
6.2	3745	267	16	1	1	100.00%	DETECTED
6.3	2336	428	17	1	1	100.00%	DETECTED
6.3	3205	312	17	1	1	100.00%	DETECTED
6.7	4785	209	17	1	1	100.00%	DETECTED
6.7	2625	381	16	1	1	100.00%	DETECTED
6.8	2653	377	18	1	1	100.00%	DETECTED
7.1	3831	261	16	1	1	100.00%	DETECTED
7.2	3289	304	16	1	1	100.00%	DETECTED
7.2	2747	364	18	1	1	100.00%	DETECTED
7.4	2967	337	17	1	1	100.00%	DETECTED
7.5	3584	279	18	1	1	100.00%	DETECTED
7.6	3817	262	18	1	1	100.00%	DETECTED
8.2	3257	307	18	1	1	100.00%	DETECTED
8.2	2252	444	17	1	1	100.00%	DETECTED
8.6	4274	234	17	1	1	100.00%	DETECTED
8.6	4065	246	17	1	1	100.00%	DETECTED
9	3497	286	16	1	1	100.00%	DETECTED
9.3	4902	204	18	1	1	100.00%	DETECTED
9.4	2053	487	18	1	1	100.00%	DETECTED
9.8	3559	281	18	1	1	100.00%	DETECTED
9.9	2833	353	17	1	1	100.00%	DETECTED
9.9	4587	218	16	1	1	100.00%	DETECTED
			Aggregate:	**30**	**30**	**100.00%**	**Complies**

Equipment Configuration for Radar Type 4

Variant:	802.11a	**Duty Cycle (%):**	35.00
Data Rate:	18	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
11	2597	385	15	1	1	100.00%	DETECTED
11.6	2358	424	13	1	1	100.00%	DETECTED
12	3984	251	12	1	1	100.00%	DETECTED
12	4149	241	16	1	1	100.00%	DETECTED
13.2	2045	489	15	1	1	100.00%	DETECTED
13.4	2950	339	14	1	1	100.00%	DETECTED
13.6	2132	469	15	1	1	100.00%	DETECTED
13.6	2717	368	15	1	1	100.00%	DETECTED
13.8	3333	300	12	1	1	100.00%	DETECTED
13.9	3745	267	15	1	1	100.00%	DETECTED
14.5	2331	429	13	1	1	100.00%	DETECTED
14.6	2208	453	15	1	1	100.00%	DETECTED
14.7	2096	477	14	1	1	100.00%	DETECTED
14.8	2506	399	13	1	1	100.00%	DETECTED
15.8	2646	378	16	1	1	100.00%	DETECTED
16.4	4184	239	13	1	1	100.00%	DETECTED
16.5	4367	229	15	1	1	100.00%	DETECTED
16.6	4587	218	14	1	1	100.00%	DETECTED
16.9	2398	417	14	1	1	100.00%	DETECTED
17	2667	375	13	1	1	100.00%	DETECTED
17.1	2273	440	12	1	1	100.00%	DETECTED
17.2	2801	357	16	1	1	100.00%	DETECTED
18.2	2817	355	16	1	1	100.00%	DETECTED
18.7	2500	400	12	1	1	100.00%	DETECTED
19	2053	487	15	1	1	100.00%	DETECTED
19.1	2604	384	13	1	1	100.00%	DETECTED
19.2	2551	392	15	1	1	100.00%	DETECTED
19.5	2427	412	14	1	1	100.00%	DETECTED
19.6	3185	314	15	1	1	100.00%	DETECTED
19.9	2865	349	16	1	1	100.00%	DETECTED
			Aggregate:	**30**	**30**	**100.00%**	**Complies**

Equipment Configuration for Radar Type 5

Variant:	802.11a	**Duty Cycle (%):**	35.00
Data Rate:	18	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
Engineering Test Notes:			

Test Measurement Results

Burst Segment	Injections	Detections	Detection Rate	Result
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	0	0.00%	NOT DETECTED
Type 5 #14	1	1	100.00%	DETECTED
Type 5 #15	1	1	100.00%	DETECTED
Type 5 #16	1	0	0.00%	NOT 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	0	0.00%	NOT 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	0	0.00%	NOT DETECTED
Type 5 #30	1	1	100.00%	DETECTED

Equipment Configuration for Radar Type 6

Variant:	802.11a	**Duty Cycle (%):**	35.00
Data Rate:	18	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
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

Equipment Configuration for Radar Type 7

Variant:	802.11a	**Duty Cycle (%):**	35.00
Data Rate:	18	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1	1931	518	102	1	1	100.00%	DETECTED
1	1089	918	58	1	1	100.00%	DETECTED
1	1193	838	63	1	1	100.00%	DETECTED
1	1433	698	76	1	1	100.00%	DETECTED
1	1285	778	68	1	1	100.00%	DETECTED
1	1618	618	86	1	1	100.00%	DETECTED
1	1520	658	81	1	1	100.00%	DETECTED
1	1253	798	67	1	1	100.00%	DETECTED
1	1166	858	62	1	1	100.00%	DETECTED
1	1792	558	95	1	1	100.00%	DETECTED
1	1319	758	70	1	1	100.00%	DETECTED
1	1114	898	59	1	1	100.00%	DETECTED
1	1672	598	89	1	1	100.00%	DETECTED
1	326	3066	18	1	1	100.00%	DETECTED
1	1355	738	72	1	1	100.00%	DETECTED
1	443	2257	24	1	1	100.00%	DETECTED
1	737	1356	39	1	1	100.00%	DETECTED
1	1462	684	78	1	1	100.00%	DETECTED
1	1267	789	67	1	1	100.00%	DETECTED
1	712	1405	38	1	1	100.00%	DETECTED
1	745	1343	40	1	1	100.00%	DETECTED
1	431	2322	23	1	1	100.00%	DETECTED
1	578	1729	31	1	1	100.00%	DETECTED
1	398	2513	22	1	1	100.00%	DETECTED
1	1172	853	62	1	1	100.00%	DETECTED
1	550	1818	30	1	1	100.00%	DETECTED
1	354	2822	19	1	1	100.00%	DETECTED
1	1742	574	92	1	1	100.00%	DETECTED
1	567	1764	30	1	1	100.00%	DETECTED
1	887	1127	47	1	1	100.00%	DETECTED
			Aggregate:	**30**	**30**	**100.00%**	**Complies**

Equipment Configuration for Radar Type 1			
Variant:	802.11ac 80	**Duty Cycle (%):**	35.00
Data Rate:	29.30	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
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**	**30**	**100.00%**	**Complies**

Equipment Configuration for Radar Type 2

Variant:	802.11ac 80	**Duty Cycle (%):**	35.00
Data Rate:	29.30	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1.2	6579	152	25	1	1	100.00%	DETECTED
1.2	4348	230	25	1	1	100.00%	DETECTED
1.3	5236	191	24	1	1	100.00%	DETECTED
1.4	5128	195	24	1	1	100.00%	DETECTED
1.5	4525	221	23	1	1	100.00%	DETECTED
1.6	4739	211	25	1	1	100.00%	DETECTED
1.7	6211	161	24	1	1	100.00%	DETECTED
1.7	6061	165	26	1	1	100.00%	DETECTED
1.7	6623	151	26	1	1	100.00%	DETECTED
1.8	4425	226	25	1	1	100.00%	DETECTED
1.9	4950	202	25	1	1	100.00%	DETECTED
1.9	6329	158	26	1	1	100.00%	DETECTED
2	6173	162	27	1	1	100.00%	DETECTED
2.5	6098	164	25	1	1	100.00%	DETECTED
2.7	4695	213	26	1	1	100.00%	DETECTED
2.7	5376	186	25	1	1	100.00%	DETECTED
3	5155	194	29	1	1	100.00%	DETECTED
3.5	6410	156	25	1	1	100.00%	DETECTED
3.5	6579	152	26	1	1	100.00%	DETECTED
3.7	4525	221	25	1	1	100.00%	DETECTED
3.9	5405	185	29	1	1	100.00%	DETECTED
4	6061	165	29	1	1	100.00%	DETECTED
4	5587	179	25	1	1	100.00%	DETECTED
4.1	6061	165	25	1	1	100.00%	DETECTED
4.1	4673	214	29	1	1	100.00%	DETECTED
4.5	4425	226	23	1	1	100.00%	DETECTED
4.6	5882	170	28	1	1	100.00%	DETECTED
4.7	5618	178	23	1	1	100.00%	DETECTED
4.7	6536	153	26	1	1	100.00%	DETECTED
4.8	5618	178	25	1	1	100.00%	DETECTED
			Aggregate:	**30**	**30**	**100.00%**	**Complies**

Equipment Configuration for Radar Type 3

Variant:	802.11ac 80	**Duty Cycle (%):**	35.00
Data Rate:	29.30	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
10	3937	254	17	1	1	100.00%	DETECTED
10	4695	213	17	1	1	100.00%	DETECTED
6.1	4386	228	18	1	1	100.00%	DETECTED
6.1	2747	364	18	1	1	100.00%	DETECTED
6.1	2717	368	16	1	1	100.00%	DETECTED
6.1	2538	394	17	1	1	100.00%	DETECTED
6.1	3425	292	17	1	1	100.00%	DETECTED
6.2	3802	263	17	1	1	100.00%	DETECTED
6.2	3745	267	16	1	1	100.00%	DETECTED
6.3	2336	428	17	1	1	100.00%	DETECTED
6.3	3205	312	17	1	1	100.00%	DETECTED
6.7	4785	209	17	1	1	100.00%	DETECTED
6.7	2625	381	16	1	1	100.00%	DETECTED
6.8	2653	377	18	1	1	100.00%	DETECTED
7.1	3831	261	16	1	1	100.00%	DETECTED
7.2	3289	304	16	1	1	100.00%	DETECTED
7.2	2747	364	18	1	1	100.00%	DETECTED
7.4	2967	337	17	1	1	100.00%	DETECTED
7.5	3584	279	18	1	1	100.00%	DETECTED
7.6	3817	262	18	1	1	100.00%	DETECTED
8.2	3257	307	18	1	1	100.00%	DETECTED
8.2	2252	444	17	1	1	100.00%	DETECTED
8.6	4274	234	17	1	1	100.00%	DETECTED
8.6	4065	246	17	1	1	100.00%	DETECTED
9	3497	286	16	1	1	100.00%	DETECTED
9.3	4902	204	18	1	1	100.00%	DETECTED
9.4	2053	487	18	1	1	100.00%	DETECTED
9.8	3559	281	18	1	1	100.00%	DETECTED
9.9	2833	353	17	1	1	100.00%	DETECTED
9.9	4587	218	16	1	1	100.00%	DETECTED
			Aggregate:	**30**	**30**	**100.00%**	**Complies**

Equipment Configuration for Radar Type 4

Variant:	802.11ac 80	**Duty Cycle (%):**	35.00
Data Rate:	29.30	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
11	2597	385	15	1	1	100.00%	DETECTED
11.6	2358	424	13	1	1	100.00%	DETECTED
12	3984	251	12	1	1	100.00%	DETECTED
12	4149	241	16	1	1	100.00%	DETECTED
13.2	2045	489	15	1	1	100.00%	DETECTED
13.4	2950	339	14	1	1	100.00%	DETECTED
13.6	2132	469	15	1	1	100.00%	DETECTED
13.6	2717	368	15	1	1	100.00%	DETECTED
13.8	3333	300	12	1	1	100.00%	DETECTED
13.9	3745	267	15	1	1	100.00%	DETECTED
14.5	2331	429	13	1	1	100.00%	DETECTED
14.6	2208	453	15	1	1	100.00%	DETECTED
14.7	2096	477	14	1	1	100.00%	DETECTED
14.8	2506	399	13	1	1	100.00%	DETECTED
15.8	2646	378	16	1	1	100.00%	DETECTED
16.4	4184	239	13	1	1	100.00%	DETECTED
16.5	4367	229	15	1	1	100.00%	DETECTED
16.6	4587	218	14	1	1	100.00%	DETECTED
16.9	2398	417	14	1	1	100.00%	DETECTED
17	2667	375	13	1	1	100.00%	DETECTED
17.1	2273	440	12	1	1	100.00%	DETECTED
17.2	2801	357	16	1	1	100.00%	DETECTED
18.2	2817	355	16	1	1	100.00%	DETECTED
18.7	2500	400	12	1	1	100.00%	DETECTED
19	2053	487	15	1	1	100.00%	DETECTED
19.1	2604	384	13	1	1	100.00%	DETECTED
19.2	2551	392	15	1	1	100.00%	DETECTED
19.5	2427	412	14	1	1	100.00%	DETECTED
19.6	3185	314	15	1	1	100.00%	DETECTED
19.9	2865	349	16	1	1	100.00%	DETECTED
			Aggregate:	**30**	**30**	**100.00%**	**Complies**

Equipment Configuration for Radar Type 5

Variant:	802.11ac 80	**Duty Cycle (%):**	35.00
Data Rate:	29.30	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
Engineering Test Notes:			

Test Measurement Results

Burst Segment	Injections	Detections	Detection Rate	Result
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	0	0.00%	NOT 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	0	0.00%	NOT 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
Type 5 #30	1	1	100.00%	DETECTED

Equipment Configuration for Radar Type 6

Variant:	802.11ac 80	**Duty Cycle (%):**	35.00
Data Rate:	29.30	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
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

Equipment Configuration for Radar Type 7

Variant:	802.11ac 80	**Duty Cycle (%):**	35.00
Data Rate:	29.30	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1	1931	518	102	1	1	100.00%	DETECTED
1	1089	918	58	1	1	100.00%	DETECTED
1	1193	838	63	1	1	100.00%	DETECTED
1	1433	698	76	1	1	100.00%	DETECTED
1	1285	778	68	1	1	100.00%	DETECTED
1	1618	618	86	1	1	100.00%	DETECTED
1	1520	658	81	1	1	100.00%	DETECTED
1	1253	798	67	1	1	100.00%	DETECTED
1	1166	858	62	1	1	100.00%	DETECTED
1	1792	558	95	1	1	100.00%	DETECTED
1	1319	758	70	1	1	100.00%	DETECTED
1	1114	898	59	1	1	100.00%	DETECTED
1	1672	598	89	1	1	100.00%	DETECTED
1	326	3066	18	1	1	100.00%	DETECTED
1	1355	738	72	1	1	100.00%	DETECTED
1	443	2257	24	1	1	100.00%	DETECTED
1	737	1356	39	1	1	100.00%	DETECTED
1	1462	684	78	1	1	100.00%	DETECTED
1	1267	789	67	1	1	100.00%	DETECTED
1	712	1405	38	1	1	100.00%	DETECTED
1	745	1343	40	1	1	100.00%	DETECTED
1	431	2322	23	1	1	100.00%	DETECTED
1	578	1729	31	1	1	100.00%	DETECTED
1	398	2513	22	1	1	100.00%	DETECTED
1	1172	853	62	1	1	100.00%	DETECTED
1	550	1818	30	1	1	100.00%	DETECTED
1	354	2822	19	1	1	100.00%	DETECTED
1	1742	574	92	1	1	100.00%	DETECTED
1	567	1764	30	1	1	100.00%	DETECTED
1	887	1127	47	1	1	100.00%	DETECTED
			Aggregate:	**30**	**30**	**100.00%**	**Complies**

Equipment Configuration for Radar Type 1			
Variant:	802.11n HT40	**Duty Cycle (%):**	35.00
Data Rate:	13.5	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
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**	**30**	**100.00%**	**Complies**

Equipment Configuration for Radar Type 2

Variant:	802.11n HT40	**Duty Cycle (%):**	35.00
Data Rate:	13.5	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1.2	6579	152	25	1	1	100.00%	DETECTED
1.2	4348	230	25	1	1	100.00%	DETECTED
1.3	5236	191	24	1	1	100.00%	DETECTED
1.4	5128	195	24	1	1	100.00%	DETECTED
1.5	4525	221	23	1	1	100.00%	DETECTED
1.6	4739	211	25	1	1	100.00%	DETECTED
1.7	6211	161	24	1	1	100.00%	DETECTED
1.7	6061	165	26	1	1	100.00%	DETECTED
1.7	6623	151	26	1	1	100.00%	DETECTED
1.8	4425	226	25	1	1	100.00%	DETECTED
1.9	4950	202	25	1	1	100.00%	DETECTED
1.9	6329	158	26	1	1	100.00%	DETECTED
2	6173	162	27	1	1	100.00%	DETECTED
2.5	6098	164	25	1	1	100.00%	DETECTED
2.7	4695	213	26	1	1	100.00%	DETECTED
2.7	5376	186	25	1	1	100.00%	DETECTED
3	5155	194	29	1	1	100.00%	DETECTED
3.5	6410	156	25	1	1	100.00%	DETECTED
3.5	6579	152	26	1	1	100.00%	DETECTED
3.7	4525	221	25	1	1	100.00%	DETECTED
3.9	5405	185	29	1	1	100.00%	DETECTED
4	6061	165	29	1	1	100.00%	DETECTED
4	5587	179	25	1	1	100.00%	DETECTED
4.1	6061	165	25	1	1	100.00%	DETECTED
4.1	4673	214	29	1	1	100.00%	DETECTED
4.5	4425	226	23	1	1	100.00%	DETECTED
4.6	5882	170	28	1	1	100.00%	DETECTED
4.7	5618	178	23	1	1	100.00%	DETECTED
4.7	6536	153	26	1	1	100.00%	DETECTED
4.8	5618	178	25	1	1	100.00%	DETECTED
			Aggregate:	**30**	**30**	**100.00%**	**Complies**

Equipment Configuration for Radar Type 3

Variant:	802.11n HT40	**Duty Cycle (%):**	35.00
Data Rate:	13.5	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
10	3937	254	17	1	1	100.00%	DETECTED
10	4695	213	17	1	1	100.00%	DETECTED
6.1	4386	228	18	1	1	100.00%	DETECTED
6.1	2747	364	18	1	1	100.00%	DETECTED
6.1	2717	368	16	1	1	100.00%	DETECTED
6.1	2538	394	17	1	1	100.00%	DETECTED
6.1	3425	292	17	1	1	100.00%	DETECTED
6.2	3802	263	17	1	1	100.00%	DETECTED
6.2	3745	267	16	1	1	100.00%	DETECTED
6.3	2336	428	17	1	1	100.00%	DETECTED
6.3	3205	312	17	1	1	100.00%	DETECTED
6.7	4785	209	17	1	1	100.00%	DETECTED
6.7	2625	381	16	1	1	100.00%	DETECTED
6.8	2653	377	18	1	1	100.00%	DETECTED
7.1	3831	261	16	1	1	100.00%	DETECTED
7.2	3289	304	16	1	1	100.00%	DETECTED
7.2	2747	364	18	1	1	100.00%	DETECTED
7.4	2967	337	17	1	1	100.00%	DETECTED
7.5	3584	279	18	1	1	100.00%	DETECTED
7.6	3817	262	18	1	1	100.00%	DETECTED
8.2	3257	307	18	1	1	100.00%	DETECTED
8.2	2252	444	17	1	1	100.00%	DETECTED
8.6	4274	234	17	1	1	100.00%	DETECTED
8.6	4065	246	17	1	1	100.00%	DETECTED
9	3497	286	16	1	1	100.00%	DETECTED
9.3	4902	204	18	1	1	100.00%	DETECTED
9.4	2053	487	18	1	1	100.00%	DETECTED
9.8	3559	281	18	1	1	100.00%	DETECTED
9.9	2833	353	17	1	1	100.00%	DETECTED
9.9	4587	218	16	1	1	100.00%	DETECTED
			Aggregate:	**30**	**30**	**100.00%**	**Complies**

Equipment Configuration for Radar Type 4

Variant:	802.11n HT40	**Duty Cycle (%):**	35.00
Data Rate:	13.5	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
11	2597	385	15	1	1	100.00%	DETECTED
11.6	2358	424	13	1	1	100.00%	DETECTED
12	3984	251	12	1	1	100.00%	DETECTED
12	4149	241	16	1	1	100.00%	DETECTED
13.2	2045	489	15	1	1	100.00%	DETECTED
13.4	2950	339	14	1	1	100.00%	DETECTED
13.6	2132	469	15	1	1	100.00%	DETECTED
13.6	2717	368	15	1	1	100.00%	DETECTED
13.8	3333	300	12	1	1	100.00%	DETECTED
13.9	3745	267	15	1	1	100.00%	DETECTED
14.5	2331	429	13	1	1	100.00%	DETECTED
14.6	2208	453	15	1	1	100.00%	DETECTED
14.7	2096	477	14	1	1	100.00%	DETECTED
14.8	2506	399	13	1	1	100.00%	DETECTED
15.8	2646	378	16	1	1	100.00%	DETECTED
16.4	4184	239	13	1	1	100.00%	DETECTED
16.5	4367	229	15	1	1	100.00%	DETECTED
16.6	4587	218	14	1	1	100.00%	DETECTED
16.9	2398	417	14	1	1	100.00%	DETECTED
17	2667	375	13	1	1	100.00%	DETECTED
17.1	2273	440	12	1	1	100.00%	DETECTED
17.2	2801	357	16	1	1	100.00%	DETECTED
18.2	2817	355	16	1	1	100.00%	DETECTED
18.7	2500	400	12	1	1	100.00%	DETECTED
19	2053	487	15	1	1	100.00%	DETECTED
19.1	2604	384	13	1	1	100.00%	DETECTED
19.2	2551	392	15	1	1	100.00%	DETECTED
19.5	2427	412	14	1	1	100.00%	DETECTED
19.6	3185	314	15	1	1	100.00%	DETECTED
19.9	2865	349	16	1	1	100.00%	DETECTED
			Aggregate:	**30**	**30**	**100.00%**	**Complies**

Equipment Configuration for Radar Type 5

Variant:	802.11n HT40	**Duty Cycle (%):**	35.00
Data Rate:	13.5	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
Engineering Test Notes:			

Test Measurement Results

Burst Segment	Injections	Detections	Detection Rate	Result
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
Type 5 #30	1	1	100.00%	DETECTED

Equipment Configuration for Radar Type 6

Variant:	802.11n HT40	**Duty Cycle (%):**	35.00
Data Rate:	13.5	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
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

Equipment Configuration for Radar Type 7

Variant:	802.11n HT40	**Duty Cycle (%):**	35.00
Data Rate:	13.5	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
Engineering Test Notes:			

Test Measurement Results

Pulse Width (us)	PRF (Hz)	PRI	# Pulses	Injections	Detections	Detection Rate	Result
1	1931	518	102	1	1	100.00%	DETECTED
1	1089	918	58	1	1	100.00%	DETECTED
1	1193	838	63	1	1	100.00%	DETECTED
1	1433	698	76	1	1	100.00%	DETECTED
1	1285	778	68	1	1	100.00%	DETECTED
1	1618	618	86	1	1	100.00%	DETECTED
1	1520	658	81	1	1	100.00%	DETECTED
1	1253	798	67	1	1	100.00%	DETECTED
1	1166	858	62	1	1	100.00%	DETECTED
1	1792	558	95	1	1	100.00%	DETECTED
1	1319	758	70	1	1	100.00%	DETECTED
1	1114	898	59	1	1	100.00%	DETECTED
1	1672	598	89	1	1	100.00%	DETECTED
1	326	3066	18	1	1	100.00%	DETECTED
1	1355	738	72	1	1	100.00%	DETECTED
1	443	2257	24	1	1	100.00%	DETECTED
1	737	1356	39	1	1	100.00%	DETECTED
1	1462	684	78	1	1	100.00%	DETECTED
1	1267	789	67	1	1	100.00%	DETECTED
1	712	1405	38	1	1	100.00%	DETECTED
1	745	1343	40	1	1	100.00%	DETECTED
1	431	2322	23	1	1	100.00%	DETECTED
1	578	1729	31	1	1	100.00%	DETECTED
1	398	2513	22	1	1	100.00%	DETECTED
1	1172	853	62	1	1	100.00%	DETECTED
1	550	1818	30	1	1	100.00%	DETECTED
1	354	2822	19	1	1	100.00%	DETECTED
1	1742	574	92	1	1	100.00%	DETECTED
1	567	1764	30	1	1	100.00%	DETECTED
1	887	1127	47	1	1	100.00%	DETECTED
			Aggregate:	**30**	**30**	**100.00%**	**Complies**

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

Equipment Configuration for Detection Bandwidth

Variant:	802.11a	**Duty Cycle (%):**	35.00
Data Rate:	18	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
Engineering Test Notes:			

Test Measurement Results

Frequency	Injections	Detections	Detection Rate	Result
5480 MHz				
5481 MHz				
5482 MHz				
5483 MHz				
5484 MHz				
5485 MHz				
5486 MHz				
5487 MHz				
5488 MHz				
5489 MHz	10	0		
5490 MHz	10	10	100.00%	Pass
5491 MHz	10	10	100.00%	Pass
5492 MHz	10	10	100.00%	Pass
5493 MHz	10	10	100.00%	Pass
5494 MHz	10	10	100.00%	Pass
5495 MHz	10	10	100.00%	Pass
5496 MHz	10	10	100.00%	Pass
5497 MHz	10	10	100.00%	Pass
5498 MHz	10	10	100.00%	Pass
5499 MHz	10	10	100.00%	Pass
5500	10	10	100.00%	Pass
5501 MHz	10	10	100.00%	Pass
5502 MHz	10	10	100.00%	Pass
5503 MHz	10	10	100.00%	Pass
5504 MHz	10	10	100.00%	Pass
5505 MHz	10	10	100.00%	Pass
5506 MHz	10	10	100.00%	Pass
5507 MHz	10	10	100.00%	Pass
5508 MHz	10	10	100.00%	Pass
5509 MHz	10	10	100.00%	Pass
5510 MHz	10	10	100.00%	Pass
5511 MHz	10	0		
5512 MHz				

Equipment Configuration for Detection Bandwidth

Variant:	802.11ac 80	**Duty Cycle (%):**	35.00
Data Rate:	29.30	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
Engineering Test Notes:			

Test Measurement Results

Frequency	Injections	Detections	Detection Rate	Result
5480 MHz				
5481 MHz				
5482 MHz				
5483 MHz				
5484 MHz				
5485 MHz				
5486 MHz				
5487 MHz				
5488 MHz				
5489 MHz	10	0		
5490 MHz	10	10	100.00%	Pass
5491 MHz	10	10	100.00%	Pass
5492 MHz	10	10	100.00%	Pass
5493 MHz	10	10	100.00%	Pass
5494 MHz	10	10	100.00%	Pass
5495 MHz	10	10	100.00%	Pass
5496 MHz	10	10	100.00%	Pass
5497 MHz	10	10	100.00%	Pass
5498 MHz	10	10	100.00%	Pass
5499 MHz	10	10	100.00%	Pass
5500 MHz	10	10	100.00%	Pass
5501 MHz	10	10	100.00%	Pass
5502 MHz	10	10	100.00%	Pass
5503 MHz	10	10	100.00%	Pass
5504 MHz	10	10	100.00%	Pass
5505 MHz	10	10	100.00%	Pass
5506 MHz	10	10	100.00%	Pass
5507 MHz	10	10	100.00%	Pass
5508 MHz	10	10	100.00%	Pass
5509 MHz	10	10	100.00%	Pass
5510 MHz	10	10	100.00%	Pass
5511 MHz	10	10	100.00%	Pass
5512 MHz	10	10	100.00%	Pass

5513 MHz	10	10	100.00%	Pass
5514 MHz	10	10	100.00%	Pass
5515 MHz	10	10	100.00%	Pass
5516 MHz	10	10	100.00%	Pass
5517 MHz	10	10	100.00%	Pass
5518 MHz	10	10	100.00%	Pass
5519 MHz	10	10	100.00%	Pass
5520 MHz	10	10	100.00%	Pass
5521 MHz	10	10	100.00%	Pass
5522 MHz	10	10	100.00%	Pass
5523 MHz	10	10	100.00%	Pass
5524 MHz	10	10	100.00%	Pass
5525 MHz	10	10	100.00%	Pass
5526 MHz	10	10	100.00%	Pass
5527 MHz	10	10	100.00%	Pass
5528 MHz	10	10	100.00%	Pass
5529 MHz	10	10	100.00%	Pass
5530	10	10	100.00%	Pass
5531 MHz	10	10	100.00%	Pass
5532 MHz	10	10	100.00%	Pass
5533 MHz	10	10	100.00%	Pass
5534 MHz	10	10	100.00%	Pass
5535 MHz	10	10	100.00%	Pass
5536 MHz	10	10	100.00%	Pass
5537 MHz	10	10	100.00%	Pass
5538 MHz	10	10	100.00%	Pass
5539 MHz	10	10	100.00%	Pass
5540 MHz	10	10	100.00%	Pass
5541 MHz	10	10	100.00%	Pass
5542 MHz	10	10	100.00%	Pass
5543 MHz	10	10	100.00%	Pass
5544 MHz	10	10	100.00%	Pass
5545 MHz	10	10	100.00%	Pass
5546 MHz	10	10	100.00%	Pass
5547 MHz	10	10	100.00%	Pass
5548 MHz	10	10	100.00%	Pass
5549 MHz	10	10	100.00%	Pass
5550 MHz	10	10	100.00%	Pass
5551 MHz	10	10	100.00%	Pass
5552 MHz	10	10	100.00%	Pass
5553 MHz	10	10	100.00%	Pass
5554 MHz	10	10	100.00%	Pass
5555 MHz	10	10	100.00%	Pass
5556 MHz	10	10	100.00%	Pass

5557 MHz	10	10	100.00%	Pass
5558 MHz	10	10	100.00%	Pass
5559 MHz	10	10	100.00%	Pass
5560 MHz	10	10	100.00%	Pass
5561 MHz	10	10	100.00%	Pass
5562 MHz	10	10	100.00%	Pass
5563 MHz	10	10	100.00%	Pass
5564 MHz	10	10	100.00%	Pass
5565 MHz	10	10	100.00%	Pass
5566 MHz	10	10	100.00%	Pass
5567 MHz	10	10	100.00%	Pass
5568 MHz	10	10	100.00%	Pass
5569 MHz	10	10	100.00%	Pass
5570 MHz	10	10	100.00%	Pass
5571 MHz	10	0		
5572 MHz				
5573 MHz				
5574 MHz				
5575 MHz				
5576 MHz				
5577 MHz				
5578 MHz				
5579 MHz				
5580 MHz				

Equipment Configuration for Detection Bandwidth

Variant:	802.11n HT40	**Duty Cycle (%):**	35.00
Data Rate:	13.5	**Antenna Gain (dBi):**	7.70
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
TPC:		**Tested By:**	BJ
Engineering Test Notes:			

Test Measurement Results

Frequency	Injections	Detections	Detection Rate	Result
5480 MHz				
5481 MHz				
5482 MHz				
5483 MHz				
5484 MHz				
5485 MHz				
5486 MHz				
5487 MHz				
5488 MHz				
5489 MHz	10	0		
5490 MHz	10	10	100.00%	Pass
5491 MHz	10	10	100.00%	Pass
5492 MHz	10	10	100.00%	Pass
5493 MHz	10	10	100.00%	Pass
5494 MHz	10	10	100.00%	Pass
5495 MHz	10	10	100.00%	Pass
5496 MHz	10	10	100.00%	Pass
5497 MHz	10	10	100.00%	Pass
5498 MHz	10	10	100.00%	Pass
5499 MHz	10	10	100.00%	Pass
5500 MHz	10	10	100.00%	Pass
5501 MHz	10	10	100.00%	Pass
5502 MHz	10	10	100.00%	Pass
5503 MHz	10	10	100.00%	Pass
5504 MHz	10	10	100.00%	Pass
5505 MHz	10	10	100.00%	Pass
5506 MHz	10	10	100.00%	Pass
5507 MHz	10	10	100.00%	Pass
5508 MHz	10	10	100.00%	Pass
5509 MHz	10	10	100.00%	Pass
5510	10	10	100.00%	Pass
5511 MHz	10	10	100.00%	Pass
5512 MHz	10	10	100.00%	Pass

5513 MHz	10	10	100.00%	Pass
5514 MHz	10	10	100.00%	Pass
5515 MHz	10	10	100.00%	Pass
5516 MHz	10	10	100.00%	Pass
5517 MHz	10	10	100.00%	Pass
5518 MHz	10	10	100.00%	Pass
5519 MHz	10	10	100.00%	Pass
5520 MHz	10	10	100.00%	Pass
5521 MHz	10	10	100.00%	Pass
5522 MHz	10	10	100.00%	Pass
5523 MHz	10	10	100.00%	Pass
5524 MHz	10	10	100.00%	Pass
5525 MHz	10	10	100.00%	Pass
5526 MHz	10	10	100.00%	Pass
5527 MHz	10	10	100.00%	Pass
5528 MHz	10	10	100.00%	Pass
5529 MHz	10	10	100.00%	Pass
5530 MHz	10	10	100.00%	Pass
5531 MHz	10	0		
5532 MHz				
5533 MHz				
5534 MHz				
5535 MHz				
5536 MHz				
5537 MHz				
5538 MHz				
5539 MHz				
5540 MHz				

A. APPENDIX – RADAR SIGNATURE CHARACTERIZATION

A.1. Dynamic Frequency Selection (DFS)

A.1.1. Radar Signature Characterization

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	3	19	1143204	88	1853	1540	53139	1200000
2	1	5	257669	71	0	0	942260	1200000
3	2	5	797672	82	1064	0	401100	1200000
4	2	13	1001439	82	1639	0	196758	1200000
5	1	15	206957	56	0	0	992987	1200000
6	3	6	595948	63	1071	1371	601421	1200000
7	3	10	1183208	56	1730	1695	13199	1200000
8	3	15	1168973	87	1701	1643	27422	1200000
9	3	6	391628	87	1780	1626	804705	1200000
10	2	5	1026451	65	1478	0	171941	1200000

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	6	374205	92	1747	1859	955246	1333333
2	3	5	540930	50	1540	1297	789416	1333333
3	1	10	901877	65	0	0	431391	1333333
4	3	18	326004	96	1938	1193	1003910	1333333
5	1	6	286195	96	0	0	1047042	1333333
6	2	12	625889	89	1066	0	706200	1333333
7	2	8	1160458	63	1779	0	170970	1333333
8	3	18	842141	50	1383	1851	487808	1333333
9	3	12	423161	65	1675	1502	906800	1333333

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	3	6	554566	70	1640	1919	41665	600000
2	3	7	386959	78	1657	1644	209506	600000
3	1	20	42186	76	0	0	557738	600000
4	3	5	471140	57	1530	1497	125662	600000
5	3	12	195065	51	1087	1560	402135	600000
6	3	11	489006	74	1713	1314	107745	600000
7	2	10	205147	84	1800	0	392885	600000
8	1	10	422577	53	0	0	177370	600000

9	2	16	70453	61	1778	0	527647	600000
10	3	14	470678	62	1530	1466	126140	600000
11	2	12	110680	55	1081	0	488129	600000
12	3	11	143915	68	1587	1708	452586	600000
13	3	9	428691	67	1923	1320	167865	600000
14	1	16	274707	90	0	0	325203	600000
15	1	13	483977	54	0	0	115969	600000
16	3	12	529633	65	1400	1726	67046	600000
17	3	13	109842	62	1358	1482	487132	600000
18	1	13	565441	81	0	0	34478	600000
19	3	20	238873	87	1104	1299	358463	600000
20	2	14	317124	59	1520	0	281238	600000

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	3	9	193270	66	1026	1927	509461	705882
2	2	19	605774	76	1980	0	97976	705882
3	3	15	309241	68	1809	1895	392733	705882
4	1	12	204899	72	0	0	500911	705882
5	3	12	356727	89	1088	1457	346343	705882
6	1	8	560270	89	0	0	145523	705882
7	1	7	354943	68	0	0	350871	705882
8	1	12	182023	53	0	0	523806	705882
9	3	20	613907	57	1014	1712	89078	705882
10	1	14	417541	88	0	0	288253	705882
11	2	12	61710	88	1071	0	642925	705882
12	2	14	660090	99	1842	0	43752	705882
13	2	7	479464	89	1738	0	224502	705882
14	1	12	140620	83	0	0	565179	705882
15	1	18	695229	81	0	0	10572	705882
16	3	9	38326	73	1301	1766	664270	705882
17	2	16	513503	96	1892	0	190295	705882

Type 5 #5 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	7	957737	66	1270	0	374194	1333333
2	2	8	1050692	82	1518	0	280959	1333333
3	1	9	444782	50	0	0	888501	1333333
4	2	16	579184	61	1549	0	752478	1333333
5	3	17	1059026	91	1592	1618	270824	1333333
6	1	13	362888	60	0	0	970385	1333333
7	1	19	550509	88	0	0	782736	1333333
8	2	18	256143	59	1520	0	1075552	1333333
9	2	20	622314	82	1588	0	709267	1333333

Type 5 #6 [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	5	575550	64	0	0	757719	1333333
2	2	8	608434	67	1160	0	723605	1333333
3	3	16	629996	67	1732	1518	699886	1333333
4	2	6	654527	67	1961	0	676711	1333333
5	1	14	889274	67	0	0	443992	1333333
6	1	16	695735	83	0	0	637515	1333333
7	1	20	296629	90	0	0	1036614	1333333
8	1	11	685003	75	0	0	648255	1333333
9	1	20	1228585	89	0	0	104659	1333333

Type 5 #7 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	15	310990	71	1240	0	354294	666666
2	1	16	598721	50	0	0	67895	666666
3	1	15	650364	93	0	0	16209	666666
4	1	15	254994	94	0	0	411578	666666
5	1	15	450484	94	0	0	216088	666666
6	1	17	80924	83	0	0	585659	666666
7	2	7	328656	61	1960	0	335928	666666
8	2	5	285560	57	1663	0	379329	666666
9	3	11	462462	97	1677	1533	200703	666666
10	3	12	216991	58	1134	1596	446771	666666
11	2	18	318824	76	1705	0	345985	666666
12	1	7	338896	63	0	0	327707	666666
13	3	6	580626	96	1048	1901	82803	666666
14	3	16	207143	70	1722	1588	456003	666666
15	2	17	405713	98	1956	0	258801	666666
16	1	18	613704	98	0	0	52864	666666
17	1	13	61557	81	0	0	605028	666666
18	3	7	16136	81	1790	1093	647404	666666

Type 5 #8 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	7	216704	96	1027	0	487959	705882
2	2	18	540492	82	1044	0	164182	705882
3	3	5	402938	71	1014	1812	299905	705882
4	1	18	552807	88	0	0	152987	705882
5	1	14	411923	64	0	0	293895	705882
6	1	20	79377	80	0	0	626425	705882
7	1	14	447689	81	0	0	258112	705882
8	3	17	509339	91	1710	1766	192794	705882
9	2	16	583420	100	1132	0	121130	705882
10	1	8	365425	70	0	0	340387	705882
11	1	5	41524	99	0	0	664259	705882
12	1	8	319956	61	0	0	385865	705882
13	1	14	523352	67	0	0	182463	705882
14	3	13	107480	84	1558	1419	595173	705882
15	1	8	150316	86	0	0	555480	705882
16	1	10	70939	91	0	0	634852	705882
17	3	7	123178	54	1452	1434	579656	705882

Type 5 #9 [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	7	303135	94	0	0	1030104	1333333
2	2	11	486347	79	1456	0	845372	1333333
3	2	7	1243654	69	1984	0	87557	1333333
4	1	14	545625	59	0	0	787649	1333333
5	1	12	437646	64	0	0	895623	1333333
6	3	8	448846	94	1710	1941	880554	1333333
7	1	17	1199109	63	0	0	134161	1333333
8	2	15	511832	83	1795	0	819540	1333333
9	1	14	959610	93	0	0	373630	1333333

Type 5 #10 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	16	180860	82	1634	1365	906804	1090909
2	2	14	472153	96	1042	0	617522	1090909
3	3	16	1085434	79	1013	1261	2964	1090909
4	3	6	861557	82	1299	1095	226712	1090909
5	2	10	560367	88	1295	0	529071	1090909
6	3	13	254594	62	1421	1559	833149	1090909
7	2	7	376101	61	1596	0	713090	1090909
8	3	9	506742	88	1660	1737	580506	1090909
9	2	19	133757	54	1782	0	955262	1090909
10	1	20	706687	100	0	0	384122	1090909
11	3	18	48378	87	1249	1879	1039142	1090909

Type 5 #11 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	10	306507	55	0	0	325016	631578
2	1	10	153675	67	0	0	477836	631578
3	3	11	196142	55	1511	1860	431900	631578
4	1	5	6787	72	0	0	624719	631578
5	1	11	462807	62	0	0	168709	631578
6	3	13	172408	96	1475	1912	455495	631578
7	3	19	567460	68	1717	1301	60896	631578
8	3	9	116118	57	1251	1454	512584	631578
9	3	20	303981	83	1010	1932	324406	631578
10	1	19	184905	67	0	0	446606	631578
11	3	15	207796	62	1803	1467	420326	631578
12	2	19	267986	73	1537	0	361909	631578
13	1	11	134333	73	0	0	497172	631578
14	3	20	88434	60	1616	1907	539441	631578
15	3	5	466037	78	1514	1756	162037	631578
16	2	6	362813	99	1388	0	267179	631578
17	2	14	45417	74	1662	0	584351	631578
18	2	10	529683	72	1701	0	100050	631578
19	1	17	411267	96	0	0	220215	631578

Type 5 #12 [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	8	156040	90	1273	0	1042507	1200000
2	3	7	713011	50	1992	1681	483166	1200000
3	1	14	933939	86	0	0	265975	1200000
4	2	7	854986	93	1850	0	342978	1200000
5	3	13	622004	92	1612	1713	574395	1200000
6	1	9	571663	60	0	0	628277	1200000
7	2	18	203565	64	1576	0	994731	1200000
8	3	17	428068	87	1258	1857	768556	1200000
9	1	20	571212	79	0	0	628709	1200000
10	1	17	1107057	87	0	0	92856	1200000

Type 5 #13 [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	19	194440	89	1938	0	803444	1000000
2	3	15	466324	62	1561	1610	530319	1000000
3	3	13	424810	93	1041	1306	572564	1000000
4	1	19	741726	71	0	0	258203	1000000
5	1	20	355936	95	0	0	643969	1000000
6	2	14	502639	63	1136	0	496099	1000000
7	3	9	867996	74	1933	1994	127855	1000000
8	2	11	616397	97	1440	0	381969	1000000
9	1	15	388813	62	0	0	611125	1000000
10	2	6	169376	74	1940	0	828536	1000000
11	3	10	441744	80	1008	1625	555383	1000000
12	3	14	674268	96	1540	1473	322431	1000000

Type 5 #14 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	20	441876	91	0	0	415175	857142
2	3	7	642745	76	1927	1501	210741	857142
3	3	15	515744	65	1795	1242	338166	857142
4	3	7	614320	58	1631	1967	239050	857142
5	1	9	263340	55	0	0	593747	857142
6	2	12	719499	100	1343	0	136100	857142
7	3	14	338054	97	1187	1832	515778	857142
8	1	13	659387	78	0	0	197677	857142
9	1	18	324200	64	0	0	532878	857142
10	3	15	669802	99	1635	1313	184095	857142
11	2	5	288601	64	1534	0	566879	857142
12	2	8	830133	94	1612	0	25209	857142
13	1	7	781777	73	0	0	75292	857142
14	1	5	520771	68	0	0	336303	857142

Type 5 #15 [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	14	587261	88	0	0	335727	923076
2	3	11	518498	86	1363	1740	401217	923076
3	1	10	138686	96	0	0	784294	923076
4	2	15	58462	74	1896	0	862570	923076
5	3	13	532265	61	1803	1947	386878	923076
6	2	7	336686	89	1927	0	584285	923076
7	2	5	96643	97	1224	0	825015	923076
8	1	15	169893	88	0	0	753095	923076
9	3	9	262499	95	1136	1677	657479	923076
10	1	10	551845	91	0	0	371140	923076
11	2	12	697626	67	1985	0	223331	923076
12	1	20	619154	85	0	0	303837	923076
13	1	20	287612	63	0	0	635401	923076

Type 5 #16 [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	124091	60	1863	0	797002	923076
2	1	16	25444	76	0	0	897556	923076
3	3	20	115869	62	1965	1385	803671	923076
4	2	17	486250	76	1468	0	435206	923076
5	2	19	260484	51	1948	0	660542	923076
6	1	6	70240	71	0	0	852765	923076
7	2	18	751319	96	1589	0	169976	923076
8	3	19	246022	73	1205	1683	673947	923076
9	1	9	691782	85	0	0	231209	923076
10	3	8	8911	91	1302	1826	910764	923076
11	2	12	870520	75	1784	0	50622	923076
12	2	12	97224	66	1580	0	824140	923076
13	2	15	732909	72	1433	0	188590	923076

Type 5 #17 [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	14	769463	57	1658	0	228765	1000000
2	1	8	458584	54	0	0	541362	1000000
3	3	7	796815	86	1215	1475	200237	1000000
4	1	6	48169	62	0	0	951769	1000000
5	2	17	419250	70	1871	0	578739	1000000
6	1	15	577056	72	0	0	422872	1000000
7	2	5	952215	81	1873	0	45750	1000000
8	2	6	167231	72	1680	0	830945	1000000
9	1	11	274582	62	0	0	725356	1000000
10	1	14	168764	58	0	0	831178	1000000
11	1	9	513174	55	0	0	486771	1000000
12	1	11	371587	79	0	0	628334	1000000

Type 5 #18 [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	8	196428	64	1503	0	401941	600000
2	3	13	508364	76	1840	1734	87834	600000
3	1	5	430940	94	0	0	168966	600000
4	2	18	14934	54	1808	0	583150	600000
5	1	16	482068	74	0	0	117858	600000
6	3	13	253060	60	1271	1126	344363	600000
7	2	14	532336	74	1357	0	66159	600000
8	3	15	526213	74	1911	1561	70093	600000
9	3	11	217532	74	1764	1978	378504	600000
10	1	6	65697	79	0	0	534224	600000
11	3	10	338766	79	1872	1077	258048	600000
12	2	6	147013	76	1158	0	451677	600000
13	2	9	364117	71	1365	0	234376	600000
14	2	19	252390	57	1957	0	345539	600000
15	3	7	170377	62	1405	1994	426038	600000
16	1	18	267919	50	0	0	332031	600000
17	3	10	140646	52	1705	1911	455582	600000
18	2	8	87732	91	1078	0	511008	600000
19	3	15	93237	70	1279	1070	504204	600000
20	2	18	401654	68	1936	0	196274	600000

Type 5 #19 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	10	111860	92	1204	1466	1218527	1333333
2	1	13	364036	68	0	0	969229	1333333
3	3	11	605277	78	1101	1565	725156	1333333
4	2	10	1169610	51	1682	0	161939	1333333
5	1	18	674130	56	0	0	659147	1333333
6	1	7	854519	97	0	0	478717	1333333
7	2	13	1233821	100	1011	0	98301	1333333
8	2	14	26216	93	1031	0	1305900	1333333
9	3	16	919179	98	1637	1519	410704	1333333

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	3	14	1242064	99	1944	1997	253698	1500000
2	2	8	1076264	100	1412	0	422124	1500000
3	2	10	228317	85	1161	0	1270352	1500000
4	3	9	689334	94	1200	1552	807632	1500000
5	2	18	6999	85	1341	0	1491490	1500000
6	2	7	906652	87	1639	0	591535	1500000
7	1	8	1430692	72	0	0	69236	1500000
8	2	15	1353337	85	1160	0	145333	1500000

Type 5 #21 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	7	1016991	60	1095	1333	480401	1500000
2	2	5	354634	90	1765	0	1143421	1500000
3	2	11	1331401	76	1494	0	166953	1500000
4	1	18	12761	83	0	0	1487156	1500000
5	1	17	169667	54	0	0	1330279	1500000
6	1	6	311167	63	0	0	1188770	1500000
7	2	8	445648	51	1122	0	1053128	1500000
8	2	9	1168122	89	1559	0	330141	1500000

Type 5 #22 [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	19	236932	51	0	0	1263017	1500000
2	3	15	687835	68	1910	1801	808250	1500000
3	2	20	1340436	82	1334	0	158066	1500000
4	3	12	99208	80	1030	1764	1397758	1500000
5	2	7	801227	68	1980	0	696657	1500000
6	1	20	982345	59	0	0	517596	1500000
7	1	9	973062	66	0	0	526872	1500000
8	2	10	1346617	99	1927	0	151258	1500000

Type 5 #23 [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	275955	68	1748	1965	426010	705882
2	1	11	543696	90	0	0	162096	705882
3	1	13	11356	91	0	0	694435	705882
4	3	15	238184	88	1743	1178	464513	705882
5	1	19	102783	73	0	0	603026	705882
6	1	10	237447	66	0	0	468369	705882
7	3	11	200748	96	1673	1543	501630	705882
8	1	9	431653	86	0	0	274143	705882
9	1	9	229905	79	0	0	475898	705882
10	3	12	192008	61	1416	1801	510474	705882
11	3	9	393322	88	1588	1748	308960	705882
12	2	12	367811	60	1161	0	336790	705882
13	2	19	340684	52	1955	0	363139	705882
14	2	9	648979	75	1243	0	55510	705882
15	1	5	368088	74	0	0	337720	705882
16	2	19	490486	52	1679	0	213613	705882
17	3	13	61715	91	1065	1629	641200	705882

Type 5 #24 [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	20	200429	97	1796	1896	545588	750000
2	1	14	399177	54	0	0	350769	750000
3	2	9	726150	68	1880	0	21834	750000
4	1	10	356124	78	0	0	393798	750000
5	1	6	117489	62	0	0	632449	750000
6	2	13	368299	78	1744	0	379801	750000
7	3	20	647766	56	1279	1867	98920	750000
8	2	9	19181	79	1447	0	729214	750000
9	3	20	498712	69	1945	1059	248077	750000
10	2	18	500309	68	1699	0	247856	750000
11	3	7	577580	86	1831	1376	168955	750000
12	3	8	456105	74	1375	1525	290773	750000
13	2	13	378088	73	1101	0	370665	750000
14	2	11	82555	69	1849	0	665458	750000
15	1	18	200989	76	0	0	548935	750000
16	1	18	3412	54	0	0	746534	750000

Type 5 #25 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	5	167262	90	1162	1276	1163363	1333333
2	1	16	1083739	75	0	0	249519	1333333
3	3	15	791474	60	1439	1776	538464	1333333
4	2	14	1242959	76	1052	0	89170	1333333
5	2	18	514861	65	1852	0	816490	1333333
6	2	6	892791	98	1651	0	438695	1333333
7	2	8	1087545	61	1599	0	244067	1333333
8	2	9	625003	64	1976	0	706226	1333333
9	3	14	899006	83	1028	1897	431153	1333333

Type 5 #26 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	15	872341	84	0	0	627575	1500000
2	1	8	732761	98	0	0	767141	1500000
3	2	9	722922	61	1890	0	775066	1500000
4	1	6	213483	69	0	0	1286448	1500000
5	1	11	1259460	100	0	0	240440	1500000
6	3	8	872314	63	1248	1590	624659	1500000
7	3	16	1063430	90	1792	1955	432553	1500000
8	2	11	133286	94	1019	0	1365507	1500000

Type 5 #27 [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	6	331185	50	0	0	668765	1000000
2	1	11	493209	99	0	0	506692	1000000
3	2	14	835546	78	1435	0	162863	1000000
4	3	8	429198	62	1135	1411	568070	1000000
5	1	10	230034	85	0	0	769881	1000000
6	3	11	909238	88	1356	1178	87964	1000000
7	1	5	53394	98	0	0	946508	1000000
8	3	11	151098	86	1730	1628	845286	1000000
9	1	6	187912	94	0	0	811994	1000000
10	2	9	42372	60	1955	0	955553	1000000
11	2	16	588324	67	1023	0	410519	1000000
12	3	19	575128	83	1781	1408	421434	1000000

Type 5 #28 [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	14	461692	60	1186	0	287002	750000
2	2	20	628037	69	1204	0	120621	750000
3	2	9	346052	75	1208	0	402590	750000
4	2	17	342296	59	1492	0	406094	750000
5	2	16	357235	66	1574	0	391059	750000
6	3	9	471823	73	1174	1801	274983	750000
7	1	12	450027	52	0	0	299921	750000
8	3	5	683145	76	1804	1692	63131	750000
9	3	14	570630	92	1835	1223	176036	750000
10	2	6	727074	64	1726	0	21072	750000
11	3	8	5888	56	1308	1480	741156	750000
12	3	5	302042	85	1084	1823	444796	750000
13	1	12	589314	59	0	0	160627	750000
14	2	6	3876	90	1180	0	744764	750000
15	3	13	551928	77	1476	1099	195266	750000
16	1	6	2661	58	0	0	747281	750000

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	1	11	1241339	83	0	0	91911	1333333
2	1	8	677030	64	0	0	656239	1333333
3	1	15	1108555	55	0	0	224723	1333333
4	1	11	870592	72	0	0	462669	1333333
5	3	17	725674	99	1502	1002	604858	1333333
6	3	14	507138	55	1681	1832	822517	1333333
7	1	13	1285078	73	0	0	48182	1333333
8	1	10	729476	86	0	0	603771	1333333
9	3	13	752758	76	1316	1601	577430	1333333

Type 5 #30 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	16	431465	58	1385	1043	197511	631578
2	1	7	198217	74	0	0	433287	631578
3	2	13	181759	54	1693	0	448018	631578
4	2	12	150215	80	1809	0	479394	631578
5	3	15	65088	79	1751	1411	563091	631578
6	3	8	566529	94	1466	1457	61844	631578
7	2	6	545891	83	1958	0	83563	631578
8	1	16	115894	90	0	0	515594	631578
9	3	15	502764	67	1579	1628	125406	631578
10	3	7	496964	74	1919	1856	130617	631578
11	1	10	303830	52	0	0	327696	631578
12	3	20	154236	99	1820	1209	474016	631578
13	3	14	389471	93	1660	1872	238296	631578
14	1	9	423926	74	0	0	207578	631578
15	1	18	143211	52	0	0	488315	631578
16	1	17	191510	58	0	0	440010	631578
17	1	6	345626	69	0	0	285883	631578
18	2	6	477156	55	1608	0	152704	631578
19	2	10	551093	96	1850	0	78443	631578

Type 6 #1 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5632	#02-5706	#03-5630	#04-5309	#05-5448	#06-5525	#07-5288	#08-5256	#09-5500	#10-5533
#11-5292	#12-5352	#13-5274	#14-5715	#15-5597	#16-5609	#17-5555	#18-5297	#19-5608	#20-5618
#21-5568	#22-5556	#23-5670	#24-5677	#25-5516	#26-5362	#27-5537	#28-5331	#29-5604	#30-5466
#31-5494	#32-5296	#33-5546	#34-5424	#35-5411	#36-5270	#37-5316	#38-5450	#39-5413	#40-5638
#41-5393	#42-5381	#43-5510	#44-5610	#45-5622	#46-5470	#47-5642	#48-5254	#49-5290	#50-5326
#51-5285	#52-5678	#53-5357	#54-5657	#55-5412	#56-5476	#57-5649	#58-5620	#59-5551	#60-5582
#61-5703	#62-5418	#63-5422	#64-5333	#65-5650	#66-5403	#67-5447	#68-5598	#69-5501	#70-5355
#71-5507	#72-5385	#73-5576	#74-5531	#75-5446	#76-5388	#77-5548	#78-5490	#79-5255	#80-5572
#81-5522	#82-5686	#83-5723	#84-5519	#85-5392	#86-5554	#87-5489	#88-5337	#89-5536	#90-5342
#91-5558	#92-5526	#93-5697	#94-5317	#95-5445	#96-5514	#97-5695	#98-5502	#99-5639	#100-5560

Type 6 #2 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5669	#02-5453	#03-5639	#04-5510	#05-5252	#06-5342	#07-5697	#08-5672	#09-5283	#10-5486
#11-5378	#12-5441	#13-5449	#14-5328	#15-5359	#16-5525	#17-5268	#18-5676	#19-5722	#20-5706
#21-5484	#22-5698	#23-5645	#24-5259	#25-5321	#26-5353	#27-5466	#28-5500	#29-5611	#30-5657
#31-5699	#32-5414	#33-5412	#34-5575	#35-5663	#36-5640	#37-5703	#38-5334	#39-5443	#40-5430
#41-5394	#42-5524	#43-5290	#44-5568	#45-5601	#46-5720	#47-5302	#48-5405	#49-5419	#50-5688
#51-5550	#52-5540	#53-5326	#54-5696	#55-5532	#56-5629	#57-5439	#58-5624	#59-5708	#60-5480
#61-5422	#62-5397	#63-5553	#64-5403	#65-5276	#66-5287	#67-5478	#68-5420	#69-5609	#70-5289
#71-5591	#72-5529	#73-5526	#74-5340	#75-5423	#76-5604	#77-5415	#78-5444	#79-5357	#80-5306
#81-5311	#82-5330	#83-5376	#84-5694	#85-5398	#86-5599	#87-5335	#88-5603	#89-5380	#90-5261
#91-5514	#92-5435	#93-5460	#94-5675	#95-5461	#96-5574	#97-5683	#98-5549	#99-5709	#100-5534

Type 6 #3 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5444	#02-5347	#03-5271	#04-5263	#05-5711	#06-5522	#07-5652	#08-5463	#09-5719	#10-5516
#11-5651	#12-5419	#13-5341	#14-5270	#15-5584	#16-5255	#17-5402	#18-5676	#19-5599	#20-5289
#21-5598	#22-5499	#23-5406	#24-5318	#25-5575	#26-5367	#27-5297	#28-5393	#29-5251	#30-5595
#31-5398	#32-5482	#33-5326	#34-5520	#35-5657	#36-5597	#37-5377	#38-5585	#39-5349	#40-5331
#41-5452	#42-5523	#43-5643	#44-5533	#45-5506	#46-5605	#47-5355	#48-5602	#49-5409	#50-5422
#51-5257	#52-5674	#53-5670	#54-5661	#55-5669	#56-5665	#57-5677	#58-5413	#59-5593	#60-5475
#61-5509	#62-5462	#63-5373	#64-5368	#65-5342	#66-5546	#67-5338	#68-5541	#69-5576	#70-5518
#71-5561	#72-5325	#73-5704	#74-5488	#75-5319	#76-5487	#77-5666	#78-5515	#79-5566	#80-5423
#81-5390	#82-5532	#83-5380	#84-5712	#85-5656	#86-5424	#87-5481	#88-5581	#89-5667	#90-5310
#91-5396	#92-5524	#93-5364	#94-5309	#95-5266	#96-5616	#97-5405	#98-5359	#99-5586	#100-5690

Type 6 #4 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5426	#02-5417	#03-5343	#04-5355	#05-5533	#06-5719	#07-5621	#08-5675	#09-5702	#10-5611
#11-5686	#12-5687	#13-5351	#14-5305	#15-5427	#16-5368	#17-5344	#18-5662	#19-5618	#20-5264
#21-5557	#22-5688	#23-5395	#24-5631	#25-5428	#26-5649	#27-5624	#28-5283	#29-5542	#30-5709
#31-5376	#32-5271	#33-5722	#34-5272	#35-5479	#36-5257	#37-5328	#38-5375	#39-5297	#40-5673
#41-5414	#42-5446	#43-5547	#44-5477	#45-5451	#46-5347	#47-5640	#48-5560	#49-5354	#50-5487
#51-5312	#52-5468	#53-5465	#54-5572	#55-5382	#56-5463	#57-5437	#58-5652	#59-5608	#60-5345
#61-5587	#62-5383	#63-5717	#64-5484	#65-5664	#66-5689	#67-5550	#68-5420	#69-5289	#70-5693
#71-5614	#72-5670	#73-5574	#74-5361	#75-5390	#76-5643	#77-5429	#78-5331	#79-5259	#80-5313
#81-5654	#82-5647	#83-5633	#84-5531	#85-5400	#86-5266	#87-5616	#88-5448	#89-5577	#90-5552
#91-5554	#92-5511	#93-5562	#94-5260	#95-5659	#96-5447	#97-5579	#98-5520	#99-5322	#100-5353

Type 6 #5 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5257	#02-5571	#03-5599	#04-5282	#05-5657	#06-5327	#07-5320	#08-5576	#09-5383	#10-5539
#11-5438	#12-5533	#13-5435	#14-5398	#15-5495	#16-5450	#17-5342	#18-5271	#19-5297	#20-5561
#21-5650	#22-5643	#23-5673	#24-5422	#25-5302	#26-5719	#27-5583	#28-5553	#29-5303	#30-5261
#31-5402	#32-5593	#33-5668	#34-5606	#35-5609	#36-5602	#37-5544	#38-5619	#39-5710	#40-5483
#41-5390	#42-5377	#43-5568	#44-5373	#45-5451	#46-5474	#47-5298	#48-5573	#49-5379	#50-5427
#51-5701	#52-5698	#53-5486	#54-5339	#55-5622	#56-5704	#57-5663	#58-5469	#59-5492	#60-5522
#61-5372	#62-5386	#63-5570	#64-5590	#65-5554	#66-5513	#67-5617	#68-5636	#69-5523	#70-5376
#71-5312	#72-5510	#73-5515	#74-5354	#75-5534	#76-5649	#77-5559	#78-5426	#79-5432	#80-5428
#81-5519	#82-5361	#83-5565	#84-5681	#85-5490	#86-5716	#87-5592	#88-5255	#89-5527	#90-5586
#91-5644	#92-5680	#93-5468	#94-5629	#95-5574	#96-5408	#97-5642	#98-5549	#99-5518	#100-5378

Type 6 #6 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5378	#02-5417	#03-5660	#04-5512	#05-5598	#06-5538	#07-5685	#08-5675	#09-5407	#10-5375
#11-5719	#12-5638	#13-5524	#14-5683	#15-5419	#16-5546	#17-5335	#18-5642	#19-5509	#20-5647
#21-5496	#22-5714	#23-5575	#24-5274	#25-5431	#26-5654	#27-5576	#28-5708	#29-5510	#30-5695
#31-5436	#32-5707	#33-5513	#34-5555	#35-5454	#36-5442	#37-5472	#38-5429	#39-5519	#40-5515
#41-5291	#42-5668	#43-5671	#44-5404	#45-5339	#46-5322	#47-5250	#48-5289	#49-5595	#50-5607
#51-5389	#52-5567	#53-5636	#54-5487	#55-5416	#56-5608	#57-5358	#58-5692	#59-5383	#60-5590
#61-5273	#62-5452	#63-5541	#64-5631	#65-5716	#66-5606	#67-5317	#68-5425	#69-5644	#70-5535
#71-5306	#72-5483	#73-5421	#74-5618	#75-5676	#76-5655	#77-5565	#78-5350	#79-5296	#80-5643
#81-5691	#82-5552	#83-5558	#84-5363	#85-5609	#86-5295	#87-5653	#88-5492	#89-5563	#90-5376
#91-5424	#92-5498	#93-5348	#94-5441	#95-5327	#96-5697	#97-5688	#98-5578	#99-5403	#100-5505

Type 6 #7 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5653	#02-5624	#03-5661	#04-5323	#05-5432	#06-5330	#07-5342	#08-5612	#09-5441	#10-5450
#11-5684	#12-5322	#13-5639	#14-5345	#15-5483	#16-5312	#17-5284	#18-5489	#19-5377	#20-5715
#21-5393	#22-5361	#23-5534	#24-5648	#25-5520	#26-5484	#27-5431	#28-5683	#29-5396	#30-5386
#31-5442	#32-5411	#33-5490	#34-5436	#35-5623	#36-5659	#37-5427	#38-5536	#39-5588	#40-5572
#41-5399	#42-5676	#43-5699	#44-5539	#45-5275	#46-5526	#47-5707	#48-5463	#49-5357	#50-5339
#51-5382	#52-5412	#53-5542	#54-5263	#55-5527	#56-5672	#57-5383	#58-5465	#59-5305	#60-5257
#61-5523	#62-5557	#63-5453	#64-5446	#65-5548	#66-5609	#67-5473	#68-5625	#69-5530	#70-5566
#71-5426	#72-5560	#73-5359	#74-5495	#75-5449	#76-5469	#77-5289	#78-5457	#79-5353	#80-5278
#81-5328	#82-5324	#83-5569	#84-5414	#85-5259	#86-5641	#87-5673	#88-5265	#89-5460	#90-5604
#91-5691	#92-5266	#93-5511	#94-5472	#95-5430	#96-5438	#97-5577	#98-5571	#99-5644	#100-5366

Type 6 #8 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5504	#02-5629	#03-5282	#04-5714	#05-5424	#06-5638	#07-5426	#08-5572	#09-5628	#10-5494
#11-5479	#12-5379	#13-5365	#14-5704	#15-5445	#16-5464	#17-5709	#18-5581	#19-5550	#20-5706
#21-5546	#22-5593	#23-5342	#24-5302	#25-5610	#26-5663	#27-5555	#28-5541	#29-5276	#30-5640
#31-5425	#32-5481	#33-5405	#34-5689	#35-5315	#36-5509	#37-5701	#38-5652	#39-5499	#40-5351
#41-5284	#42-5313	#43-5496	#44-5688	#45-5668	#46-5395	#47-5660	#48-5691	#49-5453	#50-5721
#51-5270	#52-5662	#53-5545	#54-5635	#55-5536	#56-5353	#57-5486	#58-5333	#59-5713	#60-5318
#61-5722	#62-5698	#63-5401	#64-5661	#65-5487	#66-5307	#67-5331	#68-5448	#69-5672	#70-5513
#71-5530	#72-5571	#73-5338	#74-5666	#75-5517	#76-5619	#77-5515	#78-5309	#79-5436	#80-5429
#81-5461	#82-5467	#83-5394	#84-5404	#85-5548	#86-5262	#87-5268	#88-5399	#89-5324	#90-5427
#91-5694	#92-5719	#93-5271	#94-5340	#95-5454	#96-5396	#97-5639	#98-5547	#99-5715	#100-5281

Type 6 #9 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5355	#02-5689	#03-5615	#04-5411	#05-5693	#06-5439	#07-5344	#08-5485	#09-5527	#10-5614
#11-5511	#12-5480	#13-5256	#14-5484	#15-5687	#16-5489	#17-5319	#18-5430	#19-5523	#20-5302
#21-5455	#22-5393	#23-5372	#24-5697	#25-5597	#26-5424	#27-5580	#28-5289	#29-5514	#30-5638
#31-5477	#32-5363	#33-5299	#34-5258	#35-5356	#36-5386	#37-5293	#38-5553	#39-5304	#40-5701
#41-5522	#42-5538	#43-5463	#44-5712	#45-5512	#46-5378	#47-5690	#48-5637	#49-5570	#50-5367
#51-5442	#52-5703	#53-5624	#54-5546	#55-5493	#56-5420	#57-5566	#58-5645	#59-5630	#60-5487
#61-5349	#62-5253	#63-5618	#64-5435	#65-5678	#66-5383	#67-5347	#68-5275	#69-5601	#70-5468
#71-5325	#72-5658	#73-5666	#74-5483	#75-5536	#76-5335	#77-5296	#78-5377	#79-5669	#80-5521
#81-5284	#82-5384	#83-5399	#84-5437	#85-5587	#86-5671	#87-5598	#88-5320	#89-5438	#90-5557
#91-5460	#92-5326	#93-5539	#94-5545	#95-5490	#96-5698	#97-5628	#98-5691	#99-5551	#100-5681

Type 6 #10 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5609	#02-5480	#03-5598	#04-5265	#05-5360	#06-5405	#07-5326	#08-5694	#09-5484	#10-5285
#11-5490	#12-5520	#13-5400	#14-5401	#15-5613	#16-5334	#17-5255	#18-5624	#19-5391	#20-5358
#21-5272	#22-5441	#23-5258	#24-5596	#25-5307	#26-5562	#27-5373	#28-5280	#29-5310	#30-5481
#31-5433	#32-5471	#33-5715	#34-5714	#35-5510	#36-5305	#37-5649	#38-5282	#39-5491	#40-5585
#41-5291	#42-5658	#43-5286	#44-5389	#45-5393	#46-5602	#47-5614	#48-5623	#49-5316	#50-5549
#51-5442	#52-5417	#53-5251	#54-5682	#55-5522	#56-5281	#57-5295	#58-5633	#59-5252	#60-5576
#61-5269	#62-5410	#63-5412	#64-5381	#65-5674	#66-5700	#67-5506	#68-5581	#69-5692	#70-5662
#71-5271	#72-5423	#73-5705	#74-5403	#75-5421	#76-5583	#77-5367	#78-5647	#79-5568	#80-5306
#81-5546	#82-5260	#83-5508	#84-5347	#85-5376	#86-5435	#87-5582	#88-5439	#89-5639	#90-5527
#91-5703	#92-5470	#93-5315	#94-5673	#95-5340	#96-5440	#97-5565	#98-5402	#99-5560	#100-5503

Type 6 #11 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5313	#02-5661	#03-5348	#04-5301	#05-5617	#06-5461	#07-5394	#08-5459	#09-5347	#10-5641
#11-5354	#12-5590	#13-5371	#14-5290	#15-5576	#16-5573	#17-5357	#18-5416	#19-5648	#20-5724
#21-5503	#22-5273	#23-5468	#24-5445	#25-5250	#26-5657	#27-5356	#28-5634	#29-5276	#30-5456
#31-5252	#32-5629	#33-5711	#34-5481	#35-5411	#36-5278	#37-5675	#38-5543	#39-5437	#40-5704
#41-5542	#42-5611	#43-5599	#44-5364	#45-5275	#46-5346	#47-5492	#48-5333	#49-5399	#50-5478
#51-5560	#52-5442	#53-5628	#54-5300	#55-5684	#56-5484	#57-5432	#58-5616	#59-5638	#60-5449
#61-5604	#62-5615	#63-5569	#64-5415	#65-5545	#66-5407	#67-5597	#68-5527	#69-5536	#70-5523
#71-5455	#72-5582	#73-5570	#74-5610	#75-5559	#76-5331	#77-5538	#78-5509	#79-5372	#80-5577
#81-5401	#82-5400	#83-5480	#84-5404	#85-5694	#86-5375	#87-5624	#88-5583	#89-5267	#90-5678
#91-5522	#92-5651	#93-5697	#94-5485	#95-5458	#96-5430	#97-5655	#98-5672	#99-5526	#100-5452

Type 6 #12 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5559	#02-5584	#03-5307	#04-5415	#05-5375	#06-5272	#07-5670	#08-5648	#09-5493	#10-5311
#11-5298	#12-5453	#13-5384	#14-5414	#15-5446	#16-5419	#17-5507	#18-5264	#19-5510	#20-5583
#21-5251	#22-5529	#23-5610	#24-5420	#25-5374	#26-5351	#27-5626	#28-5607	#29-5561	#30-5301
#31-5450	#32-5377	#33-5278	#34-5570	#35-5359	#36-5317	#37-5458	#38-5719	#39-5257	#40-5598
#41-5407	#42-5636	#43-5282	#44-5323	#45-5265	#46-5459	#47-5502	#48-5393	#49-5512	#50-5279
#51-5699	#52-5611	#53-5290	#54-5274	#55-5371	#56-5312	#57-5336	#58-5297	#59-5260	#60-5573
#61-5325	#62-5355	#63-5569	#64-5337	#65-5352	#66-5299	#67-5530	#68-5515	#69-5576	#70-5378
#71-5319	#72-5342	#73-5277	#74-5398	#75-5309	#76-5302	#77-5513	#78-5284	#79-5687	#80-5552
#81-5540	#82-5431	#83-5417	#84-5434	#85-5669	#86-5511	#87-5360	#88-5625	#89-5503	#90-5681
#91-5692	#92-5421	#93-5372	#94-5400	#95-5344	#96-5706	#97-5624	#98-5563	#99-5322	#100-5633

Type 6 #13 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5724	#02-5542	#03-5673	#04-5722	#05-5485	#06-5639	#07-5277	#08-5720	#09-5471	#10-5538
#11-5363	#12-5528	#13-5278	#14-5677	#15-5646	#16-5606	#17-5346	#18-5642	#19-5631	#20-5591
#21-5261	#22-5323	#23-5540	#24-5385	#25-5309	#26-5439	#27-5276	#28-5634	#29-5683	#30-5531
#31-5373	#32-5480	#33-5632	#34-5384	#35-5613	#36-5469	#37-5437	#38-5280	#39-5483	#40-5364
#41-5404	#42-5690	#43-5568	#44-5414	#45-5392	#46-5419	#47-5479	#48-5463	#49-5610	#50-5707
#51-5656	#52-5455	#53-5621	#54-5651	#55-5251	#56-5662	#57-5295	#58-5612	#59-5368	#60-5286
#61-5665	#62-5403	#63-5714	#64-5297	#65-5371	#66-5282	#67-5386	#68-5529	#69-5601	#70-5358
#71-5644	#72-5575	#73-5619	#74-5581	#75-5470	#76-5645	#77-5402	#78-5442	#79-5274	#80-5458
#81-5611	#82-5499	#83-5317	#84-5365	#85-5327	#86-5537	#87-5578	#88-5367	#89-5271	#90-5602
#91-5446	#92-5326	#93-5701	#94-5428	#95-5305	#96-5347	#97-5256	#98-5401	#99-5293	#100-5723

Type 6 #14 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5280	#02-5688	#03-5541	#04-5269	#05-5250	#06-5522	#07-5273	#08-5360	#09-5333	#10-5395
#11-5455	#12-5384	#13-5461	#14-5458	#15-5717	#16-5544	#17-5430	#18-5288	#19-5689	#20-5502
#21-5275	#22-5704	#23-5683	#24-5394	#25-5669	#26-5699	#27-5387	#28-5651	#29-5261	#30-5451
#31-5460	#32-5660	#33-5319	#34-5362	#35-5401	#36-5511	#37-5444	#38-5536	#39-5305	#40-5343
#41-5635	#42-5518	#43-5300	#44-5595	#45-5566	#46-5691	#47-5571	#48-5355	#49-5551	#50-5363
#51-5281	#52-5516	#53-5697	#54-5255	#55-5397	#56-5325	#57-5385	#58-5346	#59-5348	#60-5607
#61-5520	#62-5654	#63-5391	#64-5565	#65-5282	#66-5711	#67-5476	#68-5633	#69-5408	#70-5365
#71-5436	#72-5632	#73-5523	#74-5352	#75-5257	#76-5540	#77-5546	#78-5556	#79-5625	#80-5628
#81-5664	#82-5311	#83-5396	#84-5369	#85-5510	#86-5644	#87-5722	#88-5537	#89-5636	#90-5637
#91-5549	#92-5474	#93-5514	#94-5564	#95-5612	#96-5372	#97-5358	#98-5582	#99-5589	#100-5347

Type 6 #15 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5599	#02-5697	#03-5268	#04-5569	#05-5524	#06-5517	#07-5706	#08-5564	#09-5616	#10-5715
#11-5294	#12-5284	#13-5419	#14-5644	#15-5591	#16-5690	#17-5713	#18-5411	#19-5552	#20-5525
#21-5448	#22-5440	#23-5432	#24-5315	#25-5282	#26-5408	#27-5310	#28-5459	#29-5506	#30-5555
#31-5489	#32-5447	#33-5298	#34-5397	#35-5492	#36-5325	#37-5269	#38-5654	#39-5526	#40-5433
#41-5647	#42-5505	#43-5345	#44-5477	#45-5698	#46-5383	#47-5671	#48-5279	#49-5313	#50-5400
#51-5560	#52-5503	#53-5358	#54-5646	#55-5354	#56-5360	#57-5409	#58-5530	#59-5562	#60-5370
#61-5405	#62-5444	#63-5638	#64-5689	#65-5533	#66-5595	#67-5716	#68-5264	#69-5518	#70-5652
#71-5600	#72-5661	#73-5656	#74-5337	#75-5537	#76-5372	#77-5609	#78-5460	#79-5467	#80-5338
#81-5615	#82-5657	#83-5546	#84-5679	#85-5636	#86-5258	#87-5421	#88-5323	#89-5487	#90-5699
#91-5602	#92-5322	#93-5449	#94-5470	#95-5707	#96-5471	#97-5442	#98-5385	#99-5632	#100-5628

Type 6 #16 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5556	#02-5427	#03-5558	#04-5542	#05-5713	#06-5525	#07-5320	#08-5429	#09-5627	#10-5316
#11-5554	#12-5514	#13-5342	#14-5259	#15-5621	#16-5587	#17-5544	#18-5666	#19-5280	#20-5677
#21-5723	#22-5686	#23-5583	#24-5559	#25-5337	#26-5626	#27-5665	#28-5628	#29-5274	#30-5643
#31-5373	#32-5458	#33-5425	#34-5603	#35-5335	#36-5687	#37-5629	#38-5423	#39-5322	#40-5255
#41-5673	#42-5659	#43-5377	#44-5698	#45-5574	#46-5580	#47-5269	#48-5444	#49-5683	#50-5679
#51-5594	#52-5568	#53-5455	#54-5336	#55-5623	#56-5331	#57-5488	#58-5724	#59-5363	#60-5653
#61-5490	#62-5424	#63-5611	#64-5412	#65-5581	#66-5317	#67-5298	#68-5549	#69-5614	#70-5577
#71-5610	#72-5402	#73-5498	#74-5388	#75-5608	#76-5483	#77-5668	#78-5319	#79-5263	#80-5504
#81-5615	#82-5426	#83-5398	#84-5313	#85-5547	#86-5323	#87-5616	#88-5270	#89-5419	#90-5678
#91-5411	#92-5417	#93-5328	#94-5631	#95-5329	#96-5704	#97-5716	#98-5302	#99-5562	#100-5695

Type 6 #17 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5667	#02-5403	#03-5365	#04-5604	#05-5710	#06-5420	#07-5411	#08-5357	#09-5522	#10-5711
#11-5517	#12-5582	#13-5254	#14-5475	#15-5615	#16-5540	#17-5685	#18-5590	#19-5707	#20-5545
#21-5566	#22-5702	#23-5642	#24-5529	#25-5621	#26-5302	#27-5413	#28-5658	#29-5524	#30-5623
#31-5312	#32-5345	#33-5342	#34-5605	#35-5505	#36-5682	#37-5261	#38-5285	#39-5724	#40-5704
#41-5614	#42-5431	#43-5535	#44-5255	#45-5611	#46-5405	#47-5439	#48-5414	#49-5280	#50-5497
#51-5319	#52-5267	#53-5379	#54-5690	#55-5486	#56-5561	#57-5708	#58-5657	#59-5256	#60-5477
#61-5558	#62-5648	#63-5422	#64-5636	#65-5595	#66-5359	#67-5583	#68-5673	#69-5555	#70-5277
#71-5587	#72-5337	#73-5461	#74-5718	#75-5415	#76-5258	#77-5468	#78-5360	#79-5593	#80-5275
#81-5394	#82-5688	#83-5639	#84-5269	#85-5371	#86-5278	#87-5352	#88-5717	#89-5289	#90-5396
#91-5715	#92-5507	#93-5363	#94-5559	#95-5700	#96-5329	#97-5331	#98-5336	#99-5714	#100-5516

Type 6 #18 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5602	#02-5275	#03-5567	#04-5342	#05-5491	#06-5723	#07-5259	#08-5447	#09-5279	#10-5358
#11-5396	#12-5276	#13-5672	#14-5680	#15-5340	#16-5461	#17-5645	#18-5452	#19-5715	#20-5712
#21-5440	#22-5347	#23-5678	#24-5605	#25-5306	#26-5388	#27-5529	#28-5512	#29-5597	#30-5664
#31-5404	#32-5421	#33-5286	#34-5718	#35-5660	#36-5585	#37-5719	#38-5280	#39-5673	#40-5685
#41-5398	#42-5691	#43-5533	#44-5278	#45-5579	#46-5714	#47-5343	#48-5410	#49-5464	#50-5345
#51-5251	#52-5325	#53-5505	#54-5321	#55-5687	#56-5301	#57-5525	#58-5595	#59-5643	#60-5492
#61-5486	#62-5457	#63-5596	#64-5500	#65-5644	#66-5346	#67-5657	#68-5710	#69-5592	#70-5721
#71-5681	#72-5386	#73-5638	#74-5498	#75-5412	#76-5593	#77-5399	#78-5435	#79-5351	#80-5382
#81-5568	#82-5402	#83-5506	#84-5647	#85-5566	#86-5623	#87-5534	#88-5443	#89-5637	#90-5484
#91-5661	#92-5502	#93-5659	#94-5617	#95-5411	#96-5425	#97-5349	#98-5295	#99-5558	#100-5368

Type 6 #19 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5517	#02-5299	#03-5513	#04-5614	#05-5656	#06-5445	#07-5457	#08-5390	#09-5353	#10-5443
#11-5404	#12-5388	#13-5424	#14-5341	#15-5336	#16-5307	#17-5528	#18-5521	#19-5462	#20-5668
#21-5616	#22-5403	#23-5561	#24-5634	#25-5658	#26-5506	#27-5274	#28-5651	#29-5510	#30-5469
#31-5357	#32-5512	#33-5387	#34-5379	#35-5360	#36-5645	#37-5511	#38-5690	#39-5547	#40-5302
#41-5534	#42-5595	#43-5467	#44-5348	#45-5320	#46-5338	#47-5539	#48-5545	#49-5499	#50-5346
#51-5425	#52-5625	#53-5620	#54-5676	#55-5704	#56-5723	#57-5664	#58-5433	#59-5464	#60-5568
#61-5394	#62-5617	#63-5250	#64-5294	#65-5548	#66-5701	#67-5266	#68-5556	#69-5639	#70-5332
#71-5533	#72-5344	#73-5536	#74-5313	#75-5679	#76-5562	#77-5695	#78-5648	#79-5583	#80-5416
#81-5687	#82-5479	#83-5622	#84-5409	#85-5665	#86-5275	#87-5363	#88-5691	#89-5450	#90-5381
#91-5456	#92-5398	#93-5496	#94-5362	#95-5402	#96-5529	#97-5431	#98-5542	#99-5581	#100-5417

Type 6 #20 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5586	#02-5600	#03-5479	#04-5626	#05-5597	#06-5471	#07-5477	#08-5450	#09-5288	#10-5539
#11-5651	#12-5541	#13-5446	#14-5478	#15-5530	#16-5525	#17-5303	#18-5366	#19-5333	#20-5688
#21-5330	#22-5590	#23-5639	#24-5432	#25-5543	#26-5369	#27-5640	#28-5709	#29-5403	#30-5662
#31-5535	#32-5552	#33-5498	#34-5652	#35-5400	#36-5609	#37-5661	#38-5343	#39-5704	#40-5628
#41-5255	#42-5483	#43-5584	#44-5569	#45-5545	#46-5680	#47-5300	#48-5388	#49-5630	#50-5480
#51-5426	#52-5253	#53-5618	#54-5337	#55-5720	#56-5686	#57-5296	#58-5304	#59-5352	#60-5562
#61-5466	#62-5602	#63-5714	#64-5673	#65-5551	#66-5380	#67-5641	#68-5367	#69-5272	#70-5353
#71-5310	#72-5325	#73-5357	#74-5305	#75-5587	#76-5629	#77-5318	#78-5502	#79-5328	#80-5648
#81-5485	#82-5531	#83-5659	#84-5410	#85-5656	#86-5438	#87-5563	#88-5315	#89-5513	#90-5598
#91-5706	#92-5453	#93-5556	#94-5256	#95-5474	#96-5258	#97-5363	#98-5624	#99-5558	#100-5262

Type 6 #21 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5612	#02-5630	#03-5433	#04-5522	#05-5441	#06-5283	#07-5310	#08-5387	#09-5685	#10-5367
#11-5559	#12-5304	#13-5512	#14-5619	#15-5666	#16-5327	#17-5607	#18-5709	#19-5476	#20-5719
#21-5536	#22-5484	#23-5324	#24-5384	#25-5322	#26-5581	#27-5568	#28-5494	#29-5338	#30-5535
#31-5331	#32-5631	#33-5351	#34-5398	#35-5294	#36-5532	#37-5379	#38-5687	#39-5571	#40-5254
#41-5376	#42-5637	#43-5589	#44-5618	#45-5501	#46-5468	#47-5580	#48-5316	#49-5636	#50-5481
#51-5419	#52-5563	#53-5450	#54-5378	#55-5556	#56-5299	#57-5449	#58-5585	#59-5440	#60-5541
#61-5298	#62-5400	#63-5285	#64-5652	#65-5678	#66-5364	#67-5574	#68-5383	#69-5673	#70-5644
#71-5633	#72-5714	#73-5410	#74-5459	#75-5490	#76-5546	#77-5362	#78-5712	#79-5427	#80-5426
#81-5483	#82-5672	#83-5640	#84-5700	#85-5329	#86-5488	#87-5711	#88-5438	#89-5487	#90-5553
#91-5691	#92-5547	#93-5354	#94-5256	#95-5657	#96-5688	#97-5562	#98-5282	#99-5573	#100-5290

Type 6 #22 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5532	#02-5347	#03-5534	#04-5627	#05-5472	#06-5452	#07-5363	#08-5597	#09-5346	#10-5373
#11-5418	#12-5415	#13-5416	#14-5658	#15-5408	#16-5593	#17-5405	#18-5401	#19-5504	#20-5526
#21-5332	#22-5333	#23-5630	#24-5524	#25-5723	#26-5258	#27-5706	#28-5494	#29-5463	#30-5467
#31-5604	#32-5718	#33-5664	#34-5632	#35-5358	#36-5603	#37-5520	#38-5586	#39-5488	#40-5651
#41-5324	#42-5455	#43-5391	#44-5430	#45-5522	#46-5381	#47-5663	#48-5322	#49-5499	#50-5344
#51-5406	#52-5606	#53-5710	#54-5297	#55-5682	#56-5449	#57-5441	#58-5259	#59-5629	#60-5464
#61-5470	#62-5594	#63-5383	#64-5493	#65-5425	#66-5476	#67-5508	#68-5550	#69-5529	#70-5544
#71-5637	#72-5578	#73-5602	#74-5666	#75-5450	#76-5252	#77-5591	#78-5319	#79-5634	#80-5720
#81-5368	#82-5310	#83-5617	#84-5674	#85-5412	#86-5511	#87-5681	#88-5273	#89-5321	#90-5512
#91-5662	#92-5404	#93-5497	#94-5695	#95-5271	#96-5587	#97-5693	#98-5569	#99-5329	#100-5507

Type 6 #23 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5716	#02-5257	#03-5287	#04-5395	#05-5560	#06-5599	#07-5264	#08-5544	#09-5494	#10-5417
#11-5584	#12-5558	#13-5640	#14-5367	#15-5536	#16-5587	#17-5613	#18-5397	#19-5721	#20-5531
#21-5404	#22-5512	#23-5630	#24-5686	#25-5639	#26-5387	#27-5274	#28-5347	#29-5447	#30-5280
#31-5601	#32-5297	#33-5595	#34-5377	#35-5421	#36-5503	#37-5644	#38-5603	#39-5594	#40-5581
#41-5307	#42-5693	#43-5418	#44-5654	#45-5296	#46-5570	#47-5578	#48-5459	#49-5250	#50-5330
#51-5709	#52-5573	#53-5523	#54-5352	#55-5453	#56-5326	#57-5480	#58-5423	#59-5574	#60-5642
#61-5346	#62-5464	#63-5540	#64-5688	#65-5513	#66-5670	#67-5283	#68-5667	#69-5259	#70-5528
#71-5390	#72-5474	#73-5436	#74-5344	#75-5700	#76-5319	#77-5612	#78-5446	#79-5675	#80-5617
#81-5449	#82-5321	#83-5401	#84-5568	#85-5373	#86-5256	#87-5389	#88-5596	#89-5678	#90-5364
#91-5484	#92-5606	#93-5317	#94-5632	#95-5426	#96-5308	#97-5320	#98-5430	#99-5432	#100-5299

Type 6 #24 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5641	#02-5358	#03-5377	#04-5411	#05-5410	#06-5617	#07-5402	#08-5279	#09-5625	#10-5514
#11-5648	#12-5337	#13-5488	#14-5702	#15-5607	#16-5349	#17-5610	#18-5356	#19-5383	#20-5334
#21-5564	#22-5390	#23-5586	#24-5405	#25-5437	#26-5463	#27-5435	#28-5387	#29-5604	#30-5436
#31-5266	#32-5272	#33-5584	#34-5273	#35-5407	#36-5687	#37-5529	#38-5579	#39-5359	#40-5695
#41-5414	#42-5440	#43-5397	#44-5714	#45-5553	#46-5654	#47-5544	#48-5684	#49-5434	#50-5324
#51-5298	#52-5690	#53-5326	#54-5693	#55-5515	#56-5255	#57-5698	#58-5403	#59-5613	#60-5569
#61-5634	#62-5462	#63-5320	#64-5595	#65-5380	#66-5368	#67-5583	#68-5666	#69-5552	#70-5699
#71-5594	#72-5700	#73-5395	#74-5258	#75-5447	#76-5616	#77-5428	#78-5420	#79-5362	#80-5306
#81-5282	#82-5615	#83-5483	#84-5401	#85-5376	#86-5457	#87-5505	#88-5369	#89-5423	#90-5536
#91-5685	#92-5267	#93-5511	#94-5496	#95-5493	#96-5715	#97-5717	#98-5722	#99-5501	#100-5677

Type 6 #25 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5309	#02-5463	#03-5350	#04-5351	#05-5538	#06-5347	#07-5477	#08-5514	#09-5658	#10-5426
#11-5564	#12-5433	#13-5386	#14-5444	#15-5417	#16-5656	#17-5328	#18-5460	#19-5298	#20-5655
#21-5410	#22-5634	#23-5590	#24-5450	#25-5315	#26-5550	#27-5623	#28-5363	#29-5404	#30-5607
#31-5661	#32-5563	#33-5397	#34-5292	#35-5602	#36-5699	#37-5555	#38-5326	#39-5308	#40-5585
#41-5577	#42-5320	#43-5654	#44-5532	#45-5522	#46-5676	#47-5423	#48-5282	#49-5705	#50-5271
#51-5624	#52-5554	#53-5485	#54-5626	#55-5472	#56-5579	#57-5711	#58-5360	#59-5445	#60-5543
#61-5627	#62-5595	#63-5713	#64-5402	#65-5540	#66-5681	#67-5497	#68-5384	#69-5714	#70-5319
#71-5657	#72-5306	#73-5519	#74-5521	#75-5508	#76-5479	#77-5411	#78-5338	#79-5289	#80-5574
#81-5680	#82-5541	#83-5498	#84-5462	#85-5367	#86-5323	#87-5333	#88-5528	#89-5454	#90-5598
#91-5381	#92-5501	#93-5276	#94-5331	#95-5369	#96-5359	#97-5650	#98-5716	#99-5677	#100-5691

Type 6 #26 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5497	#02-5690	#03-5355	#04-5689	#05-5292	#06-5478	#07-5550	#08-5271	#09-5405	#10-5694
#11-5672	#12-5304	#13-5464	#14-5664	#15-5423	#16-5608	#17-5413	#18-5580	#19-5510	#20-5446
#21-5539	#22-5650	#23-5268	#24-5494	#25-5571	#26-5397	#27-5705	#28-5274	#29-5704	#30-5364
#31-5676	#32-5589	#33-5532	#34-5402	#35-5692	#36-5369	#37-5485	#38-5700	#39-5298	#40-5346
#41-5329	#42-5607	#43-5591	#44-5430	#45-5688	#46-5475	#47-5486	#48-5455	#49-5480	#50-5401
#51-5671	#52-5586	#53-5367	#54-5620	#55-5498	#56-5525	#57-5291	#58-5267	#59-5707	#60-5440
#61-5657	#62-5699	#63-5270	#64-5641	#65-5294	#66-5345	#67-5535	#68-5443	#69-5674	#70-5461
#71-5415	#72-5530	#73-5311	#74-5479	#75-5602	#76-5634	#77-5484	#78-5358	#79-5381	#80-5368
#81-5356	#82-5252	#83-5590	#84-5451	#85-5658	#86-5514	#87-5416	#88-5659	#89-5456	#90-5667
#91-5559	#92-5442	#93-5645	#94-5332	#95-5682	#96-5622	#97-5460	#98-5420	#99-5339	#100-5698

Type 6 #27 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5464	#02-5537	#03-5414	#04-5357	#05-5473	#06-5332	#07-5526	#08-5580	#09-5540	#10-5535
#11-5292	#12-5479	#13-5333	#14-5625	#15-5389	#16-5265	#17-5671	#18-5318	#19-5523	#20-5596
#21-5319	#22-5368	#23-5644	#24-5410	#25-5687	#26-5564	#27-5275	#28-5423	#29-5471	#30-5720
#31-5660	#32-5574	#33-5501	#34-5478	#35-5283	#36-5492	#37-5494	#38-5406	#39-5598	#40-5334
#41-5382	#42-5600	#43-5377	#44-5274	#45-5399	#46-5442	#47-5561	#48-5432	#49-5543	#50-5606
#51-5513	#52-5351	#53-5604	#54-5467	#55-5628	#56-5345	#57-5617	#58-5254	#59-5395	#60-5633
#61-5307	#62-5353	#63-5358	#64-5544	#65-5599	#66-5443	#67-5702	#68-5579	#69-5591	#70-5621
#71-5496	#72-5515	#73-5445	#74-5438	#75-5463	#76-5716	#77-5620	#78-5260	#79-5252	#80-5567
#81-5590	#82-5457	#83-5559	#84-5695	#85-5284	#86-5575	#87-5663	#88-5489	#89-5261	#90-5689
#91-5277	#92-5279	#93-5557	#94-5681	#95-5465	#96-5707	#97-5566	#98-5646	#99-5359	#100-5723

Type 6 #28 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5631	#02-5415	#03-5253	#04-5435	#05-5353	#06-5721	#07-5719	#08-5625	#09-5464	#10-5473
#11-5493	#12-5337	#13-5290	#14-5668	#15-5254	#16-5653	#17-5272	#18-5257	#19-5503	#20-5480
#21-5411	#22-5434	#23-5675	#24-5409	#25-5471	#26-5304	#27-5279	#28-5269	#29-5251	#30-5682
#31-5481	#32-5459	#33-5652	#34-5529	#35-5280	#36-5389	#37-5559	#38-5602	#39-5495	#40-5360
#41-5308	#42-5537	#43-5530	#44-5724	#45-5470	#46-5359	#47-5458	#48-5521	#49-5702	#50-5637
#51-5624	#52-5352	#53-5469	#54-5401	#55-5544	#56-5484	#57-5669	#58-5500	#59-5664	#60-5595
#61-5611	#62-5463	#63-5515	#64-5262	#65-5362	#66-5638	#67-5590	#68-5343	#69-5395	#70-5487
#71-5393	#72-5422	#73-5599	#74-5628	#75-5676	#76-5663	#77-5361	#78-5571	#79-5483	#80-5291
#81-5338	#82-5378	#83-5715	#84-5501	#85-5525	#86-5460	#87-5629	#88-5615	#89-5351	#90-5555
#91-5489	#92-5421	#93-5324	#94-5265	#95-5711	#96-5592	#97-5722	#98-5514	#99-5608	#100-5479

Type 6 #29 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5590	#02-5325	#03-5703	#04-5380	#05-5641	#06-5532	#07-5255	#08-5389	#09-5343	#10-5362
#11-5569	#12-5374	#13-5457	#14-5608	#15-5612	#16-5586	#17-5393	#18-5427	#19-5685	#20-5453
#21-5293	#22-5656	#23-5628	#24-5250	#25-5524	#26-5613	#27-5689	#28-5320	#29-5364	#30-5307
#31-5600	#32-5654	#33-5519	#34-5554	#35-5513	#36-5639	#37-5522	#38-5394	#39-5544	#40-5346
#41-5609	#42-5687	#43-5462	#44-5377	#45-5576	#46-5674	#47-5353	#48-5705	#49-5386	#50-5370
#51-5430	#52-5402	#53-5341	#54-5435	#55-5658	#56-5422	#57-5580	#58-5278	#59-5567	#60-5660
#61-5274	#62-5286	#63-5487	#64-5640	#65-5579	#66-5627	#67-5344	#68-5697	#69-5313	#70-5723
#71-5588	#72-5568	#73-5330	#74-5444	#75-5501	#76-5399	#77-5575	#78-5340	#79-5661	#80-5419
#81-5428	#82-5368	#83-5467	#84-5539	#85-5515	#86-5504	#87-5663	#88-5426	#89-5614	#90-5630
#91-5259	#92-5257	#93-5322	#94-5371	#95-5546	#96-5497	#97-5355	#98-5464	#99-5645	#100-5553

Type 6 #30 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5255	#02-5673	#03-5706	#04-5570	#05-5296	#06-5349	#07-5317	#08-5389	#09-5401	#10-5508
#11-5489	#12-5480	#13-5494	#14-5434	#15-5342	#16-5334	#17-5619	#18-5392	#19-5267	#20-5611
#21-5463	#22-5424	#23-5577	#24-5332	#25-5630	#26-5540	#27-5598	#28-5687	#29-5655	#30-5263
#31-5365	#32-5546	#33-5715	#34-5534	#35-5567	#36-5522	#37-5353	#38-5616	#39-5326	#40-5547
#41-5521	#42-5668	#43-5372	#44-5495	#45-5502	#46-5553	#47-5662	#48-5454	#49-5603	#50-5688
#51-5446	#52-5283	#53-5340	#54-5500	#55-5498	#56-5379	#57-5488	#58-5390	#59-5533	#60-5444
#61-5427	#62-5470	#63-5373	#64-5659	#65-5503	#66-5625	#67-5536	#68-5515	#69-5666	#70-5314
#71-5537	#72-5302	#73-5331	#74-5555	#75-5327	#76-5393	#77-5482	#78-5300	#79-5643	#80-5512
#81-5284	#82-5318	#83-5590	#84-5476	#85-5517	#86-5344	#87-5447	#88-5602	#89-5371	#90-5299
#91-5286	#92-5678	#93-5337	#94-5437	#95-5505	#96-5694	#97-5398	#98-5297	#99-5657	#100-5313

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	3	19	1143204	88	1853	1540	53139	1200000
2	1	5	257669	71	0	0	942260	1200000
3	2	5	797672	82	1064	0	401100	1200000
4	2	13	1001439	82	1639	0	196758	1200000
5	1	15	206957	56	0	0	992987	1200000
6	3	6	595948	63	1071	1371	601421	1200000
7	3	10	1183208	56	1730	1695	13199	1200000
8	3	15	1168973	87	1701	1643	27422	1200000
9	3	6	391628	87	1780	1626	804705	1200000
10	2	5	1026451	65	1478	0	171941	1200000

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	6	374205	92	1747	1859	955246	1333333
2	3	5	540930	50	1540	1297	789416	1333333
3	1	10	901877	65	0	0	431391	1333333
4	3	18	326004	96	1938	1193	1003910	1333333
5	1	6	286195	96	0	0	1047042	1333333
6	2	12	625889	89	1066	0	706200	1333333
7	2	8	1160458	63	1779	0	170970	1333333
8	3	18	842141	50	1383	1851	487808	1333333
9	3	12	423161	65	1675	1502	906800	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	554566	70	1640	1919	41665	600000
2	3	7	386959	78	1657	1644	209506	600000
3	1	20	42186	76	0	0	557738	600000
4	3	5	471140	57	1530	1497	125662	600000
5	3	12	195065	51	1087	1560	402135	600000
6	3	11	489006	74	1713	1314	107745	600000
7	2	10	205147	84	1800	0	392885	600000
8	1	10	422577	53	0	0	177370	600000
9	2	16	70453	61	1778	0	527647	600000
10	3	14	470678	62	1530	1466	126140	600000
11	2	12	110680	55	1081	0	488129	600000
12	3	11	143915	68	1587	1708	452586	600000
13	3	9	428691	67	1923	1320	167865	600000
14	1	16	274707	90	0	0	325203	600000
15	1	13	483977	54	0	0	115969	600000
16	3	12	529633	65	1400	1726	67046	600000
17	3	13	109842	62	1358	1482	487132	600000
18	1	13	565441	81	0	0	34478	600000
19	3	20	238873	87	1104	1299	358463	600000
20	2	14	317124	59	1520	0	281238	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	9	193270	66	1026	1927	509461	705882
2	2	19	605774	76	1980	0	97976	705882
3	3	15	309241	68	1809	1895	392733	705882
4	1	12	204899	72	0	0	500911	705882
5	3	12	356727	89	1088	1457	346343	705882
6	1	8	560270	89	0	0	145523	705882
7	1	7	354943	68	0	0	350871	705882
8	1	12	182023	53	0	0	523806	705882
9	3	20	613907	57	1014	1712	89078	705882
10	1	14	417541	88	0	0	288253	705882
11	2	12	61710	88	1071	0	642925	705882
12	2	14	660090	99	1842	0	43752	705882
13	2	7	479464	89	1738	0	224502	705882
14	1	12	140620	83	0	0	565179	705882
15	1	18	695229	81	0	0	10572	705882
16	3	9	38326	73	1301	1766	664270	705882
17	2	16	513503	96	1892	0	190295	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	2	7	957737	66	1270	0	374194	1333333
2	2	8	1050692	82	1518	0	280959	1333333
3	1	9	444782	50	0	0	888501	1333333
4	2	16	579184	61	1549	0	752478	1333333
5	3	17	1059026	91	1592	1618	270824	1333333
6	1	13	362888	60	0	0	970385	1333333
7	1	19	550509	88	0	0	782736	1333333
8	2	18	256143	59	1520	0	1075552	1333333
9	2	20	622314	82	1588	0	709267	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	5	575550	64	0	0	757719	1333333
2	2	8	608434	67	1160	0	723605	1333333
3	3	16	629996	67	1732	1518	699886	1333333
4	2	6	654527	67	1961	0	676711	1333333
5	1	14	889274	67	0	0	443992	1333333
6	1	16	695735	83	0	0	637515	1333333
7	1	20	296629	90	0	0	1036614	1333333
8	1	11	685003	75	0	0	648255	1333333
9	1	20	1228585	89	0	0	104659	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	15	310990	71	1240	0	354294	666666
2	1	16	598721	50	0	0	67895	666666
3	1	15	650364	93	0	0	16209	666666
4	1	15	254994	94	0	0	411578	666666
5	1	15	450484	94	0	0	216088	666666
6	1	17	80924	83	0	0	585659	666666
7	2	7	328656	61	1960	0	335928	666666
8	2	5	285560	57	1663	0	379329	666666
9	3	11	462462	97	1677	1533	200703	666666
10	3	12	216991	58	1134	1596	446771	666666
11	2	18	318824	76	1705	0	345985	666666
12	1	7	338896	63	0	0	327707	666666
13	3	6	580626	96	1048	1901	82803	666666
14	3	16	207143	70	1722	1588	456003	666666
15	2	17	405713	98	1956	0	258801	666666
16	1	18	613704	98	0	0	52864	666666
17	1	13	61557	81	0	0	605028	666666
18	3	7	16136	81	1790	1093	647404	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	7	216704	96	1027	0	487959	705882
2	2	18	540492	82	1044	0	164182	705882
3	3	5	402938	71	1014	1812	299905	705882
4	1	18	552807	88	0	0	152987	705882
5	1	14	411923	64	0	0	293895	705882
6	1	20	79377	80	0	0	626425	705882
7	1	14	447689	81	0	0	258112	705882
8	3	17	509339	91	1710	1766	192794	705882
9	2	16	583420	100	1132	0	121130	705882
10	1	8	365425	70	0	0	340387	705882
11	1	5	41524	99	0	0	664259	705882
12	1	8	319956	61	0	0	385865	705882
13	1	14	523352	67	0	0	182463	705882
14	3	13	107480	84	1558	1419	595173	705882
15	1	8	150316	86	0	0	555480	705882
16	1	10	70939	91	0	0	634852	705882
17	3	7	123178	54	1452	1434	579656	705882

Type 5 #9 [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	7	303135	94	0	0	1030104	1333333
2	2	11	486347	79	1456	0	845372	1333333
3	2	7	1243654	69	1984	0	87557	1333333
4	1	14	545625	59	0	0	787649	1333333
5	1	12	437646	64	0	0	895623	1333333
6	3	8	448846	94	1710	1941	880554	1333333
7	1	17	1199109	63	0	0	134161	1333333
8	2	15	511832	83	1795	0	819540	1333333
9	1	14	959610	93	0	0	373630	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	16	180860	82	1634	1365	906804	1090909
2	2	14	472153	96	1042	0	617522	1090909
3	3	16	1085434	79	1013	1261	2964	1090909
4	3	6	861557	82	1299	1095	226712	1090909
5	2	10	560367	88	1295	0	529071	1090909
6	3	13	254594	62	1421	1559	833149	1090909
7	2	7	376101	61	1596	0	713090	1090909
8	3	9	506742	88	1660	1737	580506	1090909
9	2	19	133757	54	1782	0	955262	1090909
10	1	20	706687	100	0	0	384122	1090909
11	3	18	48378	87	1249	1879	1039142	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	10	306507	55	0	0	325016	631578
2	1	10	153675	67	0	0	477836	631578
3	3	11	196142	55	1511	1860	431900	631578
4	1	5	6787	72	0	0	624719	631578
5	1	11	462807	62	0	0	168709	631578
6	3	13	172408	96	1475	1912	455495	631578
7	3	19	567460	68	1717	1301	60896	631578
8	3	9	116118	57	1251	1454	512584	631578
9	3	20	303981	83	1010	1932	324406	631578
10	1	19	184905	67	0	0	446606	631578
11	3	15	207796	62	1803	1467	420326	631578
12	2	19	267986	73	1537	0	361909	631578
13	1	11	134333	73	0	0	497172	631578
14	3	20	88434	60	1616	1907	539441	631578
15	3	5	466037	78	1514	1756	162037	631578
16	2	6	362813	99	1388	0	267179	631578
17	2	14	45417	74	1662	0	584351	631578
18	2	10	529683	72	1701	0	100050	631578
19	1	17	411267	96	0	0	220215	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	8	156040	90	1273	0	1042507	1200000
2	3	7	713011	50	1992	1681	483166	1200000
3	1	14	933939	86	0	0	265975	1200000
4	2	7	854986	93	1850	0	342978	1200000
5	3	13	622004	92	1612	1713	574395	1200000
6	1	9	571663	60	0	0	628277	1200000
7	2	18	203565	64	1576	0	994731	1200000
8	3	17	428068	87	1258	1857	768556	1200000
9	1	20	571212	79	0	0	628709	1200000
10	1	17	1107057	87	0	0	92856	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	2	19	194440	89	1938	0	803444	1000000
2	3	15	466324	62	1561	1610	530319	1000000
3	3	13	424810	93	1041	1306	572564	1000000
4	1	19	741726	71	0	0	258203	1000000
5	1	20	355936	95	0	0	643969	1000000
6	2	14	502639	63	1136	0	496099	1000000
7	3	9	867996	74	1933	1994	127855	1000000
8	2	11	616397	97	1440	0	381969	1000000
9	1	15	388813	62	0	0	611125	1000000
10	2	6	169376	74	1940	0	828536	1000000
11	3	10	441744	80	1008	1625	555383	1000000
12	3	14	674268	96	1540	1473	322431	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	20	441876	91	0	0	415175	857142
2	3	7	642745	76	1927	1501	210741	857142
3	3	15	515744	65	1795	1242	338166	857142
4	3	7	614320	58	1631	1967	239050	857142
5	1	9	263340	55	0	0	593747	857142
6	2	12	719499	100	1343	0	136100	857142
7	3	14	338054	97	1187	1832	515778	857142
8	1	13	659387	78	0	0	197677	857142
9	1	18	324200	64	0	0	532878	857142
10	3	15	669802	99	1635	1313	184095	857142
11	2	5	288601	64	1534	0	566879	857142
12	2	8	830133	94	1612	0	25209	857142
13	1	7	781777	73	0	0	75292	857142
14	1	5	520771	68	0	0	336303	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	14	587261	88	0	0	335727	923076
2	3	11	518498	86	1363	1740	401217	923076
3	1	10	138686	96	0	0	784294	923076
4	2	15	58462	74	1896	0	862570	923076
5	3	13	532265	61	1803	1947	386878	923076
6	2	7	336686	89	1927	0	584285	923076
7	2	5	96643	97	1224	0	825015	923076
8	1	15	169893	88	0	0	753095	923076
9	3	9	262499	95	1136	1677	657479	923076
10	1	10	551845	91	0	0	371140	923076
11	2	12	697626	67	1985	0	223331	923076
12	1	20	619154	85	0	0	303837	923076
13	1	20	287612	63	0	0	635401	923076

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	11	124091	60	1863	0	797002	923076
2	1	16	25444	76	0	0	897556	923076
3	3	20	115869	62	1965	1385	803671	923076
4	2	17	486250	76	1468	0	435206	923076
5	2	19	260484	51	1948	0	660542	923076
6	1	6	70240	71	0	0	852765	923076
7	2	18	751319	96	1589	0	169976	923076
8	3	19	246022	73	1205	1683	673947	923076
9	1	9	691782	85	0	0	231209	923076
10	3	8	8911	91	1302	1826	910764	923076
11	2	12	870520	75	1784	0	50622	923076
12	2	12	97224	66	1580	0	824140	923076
13	2	15	732909	72	1433	0	188590	923076

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	14	769463	57	1658	0	228765	1000000
2	1	8	458584	54	0	0	541362	1000000
3	3	7	796815	86	1215	1475	200237	1000000
4	1	6	48169	62	0	0	951769	1000000
5	2	17	419250	70	1871	0	578739	1000000
6	1	15	577056	72	0	0	422872	1000000
7	2	5	952215	81	1873	0	45750	1000000
8	2	6	167231	72	1680	0	830945	1000000
9	1	11	274582	62	0	0	725356	1000000
10	1	14	168764	58	0	0	831178	1000000
11	1	9	513174	55	0	0	486771	1000000
12	1	11	371587	79	0	0	628334	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	8	196428	64	1503	0	401941	600000
2	3	13	508364	76	1840	1734	87834	600000
3	1	5	430940	94	0	0	168966	600000
4	2	18	14934	54	1808	0	583150	600000
5	1	16	482068	74	0	0	117858	600000
6	3	13	253060	60	1271	1126	344363	600000
7	2	14	532336	74	1357	0	66159	600000
8	3	15	526213	74	1911	1561	70093	600000
9	3	11	217532	74	1764	1978	378504	600000
10	1	6	65697	79	0	0	534224	600000
11	3	10	338766	79	1872	1077	258048	600000
12	2	6	147013	76	1158	0	451677	600000
13	2	9	364117	71	1365	0	234376	600000
14	2	19	252390	57	1957	0	345539	600000
15	3	7	170377	62	1405	1994	426038	600000
16	1	18	267919	50	0	0	332031	600000
17	3	10	140646	52	1705	1911	455582	600000
18	2	8	87732	91	1078	0	511008	600000
19	3	15	93237	70	1279	1070	504204	600000
20	2	18	401654	68	1936	0	196274	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	10	111860	92	1204	1466	1218527	1333333
2	1	13	364036	68	0	0	969229	1333333
3	3	11	605277	78	1101	1565	725156	1333333
4	2	10	1169610	51	1682	0	161939	1333333
5	1	18	674130	56	0	0	659147	1333333
6	1	7	854519	97	0	0	478717	1333333
7	2	13	1233821	100	1011	0	98301	1333333
8	2	14	26216	93	1031	0	1305900	1333333
9	3	16	919179	98	1637	1519	410704	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	14	1242064	99	1944	1997	253698	1500000
2	2	8	1076264	100	1412	0	422124	1500000
3	2	10	228317	85	1161	0	1270352	1500000
4	3	9	689334	94	1200	1552	807632	1500000
5	2	18	6999	85	1341	0	1491490	1500000
6	2	7	906652	87	1639	0	591535	1500000
7	1	8	1430692	72	0	0	69236	1500000
8	2	15	1353337	85	1160	0	145333	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	7	1016991	60	1095	1333	480401	1500000
2	2	5	354634	90	1765	0	1143421	1500000
3	2	11	1331401	76	1494	0	166953	1500000
4	1	18	12761	83	0	0	1487156	1500000
5	1	17	169667	54	0	0	1330279	1500000
6	1	6	311167	63	0	0	1188770	1500000
7	2	8	445648	51	1122	0	1053128	1500000
8	2	9	1168122	89	1559	0	330141	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	19	236932	51	0	0	1263017	1500000
2	3	15	687835	68	1910	1801	808250	1500000
3	2	20	1340436	82	1334	0	158066	1500000
4	3	12	99208	80	1030	1764	1397758	1500000
5	2	7	801227	68	1980	0	696657	1500000
6	1	20	982345	59	0	0	517596	1500000
7	1	9	973062	66	0	0	526872	1500000
8	2	10	1346617	99	1927	0	151258	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	9	275955	68	1748	1965	426010	705882
2	1	11	543696	90	0	0	162096	705882
3	1	13	11356	91	0	0	694435	705882
4	3	15	238184	88	1743	1178	464513	705882
5	1	19	102783	73	0	0	603026	705882
6	1	10	237447	66	0	0	468369	705882
7	3	11	200748	96	1673	1543	501630	705882
8	1	9	431653	86	0	0	274143	705882
9	1	9	229905	79	0	0	475898	705882
10	3	12	192008	61	1416	1801	510474	705882
11	3	9	393322	88	1588	1748	308960	705882
12	2	12	367811	60	1161	0	336790	705882
13	2	19	340684	52	1955	0	363139	705882
14	2	9	648979	75	1243	0	55510	705882
15	1	5	368088	74	0	0	337720	705882
16	2	19	490486	52	1679	0	213613	705882
17	3	13	61715	91	1065	1629	641200	705882

Type 5 #24 [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	20	200429	97	1796	1896	545588	750000
2	1	14	399177	54	0	0	350769	750000
3	2	9	726150	68	1880	0	21834	750000
4	1	10	356124	78	0	0	393798	750000
5	1	6	117489	62	0	0	632449	750000
6	2	13	368299	78	1744	0	379801	750000
7	3	20	647766	56	1279	1867	98920	750000
8	2	9	19181	79	1447	0	729214	750000
9	3	20	498712	69	1945	1059	248077	750000
10	2	18	500309	68	1699	0	247856	750000
11	3	7	577580	86	1831	1376	168955	750000
12	3	8	456105	74	1375	1525	290773	750000
13	2	13	378088	73	1101	0	370665	750000
14	2	11	82555	69	1849	0	665458	750000
15	1	18	200989	76	0	0	548935	750000
16	1	18	3412	54	0	0	746534	750000

Type 5 #25 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	5	167262	90	1162	1276	1163363	1333333
2	1	16	1083739	75	0	0	249519	1333333
3	3	15	791474	60	1439	1776	538464	1333333
4	2	14	1242959	76	1052	0	89170	1333333
5	2	18	514861	65	1852	0	816490	1333333
6	2	6	892791	98	1651	0	438695	1333333
7	2	8	1087545	61	1599	0	244067	1333333
8	2	9	625003	64	1976	0	706226	1333333
9	3	14	899006	83	1028	1897	431153	1333333

Type 5 #26 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	15	872341	84	0	0	627575	1500000
2	1	8	732761	98	0	0	767141	1500000
3	2	9	722922	61	1890	0	775066	1500000
4	1	6	213483	69	0	0	1286448	1500000
5	1	11	1259460	100	0	0	240440	1500000
6	3	8	872314	63	1248	1590	624659	1500000
7	3	16	1063430	90	1792	1955	432553	1500000
8	2	11	133286	94	1019	0	1365507	1500000

Type 5 #27 [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	6	331185	50	0	0	668765	1000000
2	1	11	493209	99	0	0	506692	1000000
3	2	14	835546	78	1435	0	162863	1000000
4	3	8	429198	62	1135	1411	568070	1000000
5	1	10	230034	85	0	0	769881	1000000
6	3	11	909238	88	1356	1178	87964	1000000
7	1	5	53394	98	0	0	946508	1000000
8	3	11	151098	86	1730	1628	845286	1000000
9	1	6	187912	94	0	0	811994	1000000
10	2	9	42372	60	1955	0	955553	1000000
11	2	16	588324	67	1023	0	410519	1000000
12	3	19	575128	83	1781	1408	421434	1000000

Type 5 #28 [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	14	461692	60	1186	0	287002	750000
2	2	20	628037	69	1204	0	120621	750000
3	2	9	346052	75	1208	0	402590	750000
4	2	17	342296	59	1492	0	406094	750000
5	2	16	357235	66	1574	0	391059	750000
6	3	9	471823	73	1174	1801	274983	750000
7	1	12	450027	52	0	0	299921	750000
8	3	5	683145	76	1804	1692	63131	750000
9	3	14	570630	92	1835	1223	176036	750000
10	2	6	727074	64	1726	0	21072	750000
11	3	8	5888	56	1308	1480	741156	750000
12	3	5	302042	85	1084	1823	444796	750000
13	1	12	589314	59	0	0	160627	750000
14	2	6	3876	90	1180	0	744764	750000
15	3	13	551928	77	1476	1099	195266	750000
16	1	6	2661	58	0	0	747281	750000

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	1	11	1241339	83	0	0	91911	1333333
2	1	8	677030	64	0	0	656239	1333333
3	1	15	1108555	55	0	0	224723	1333333
4	1	11	870592	72	0	0	462669	1333333
5	3	17	725674	99	1502	1002	604858	1333333
6	3	14	507138	55	1681	1832	822517	1333333
7	1	13	1285078	73	0	0	48182	1333333
8	1	10	729476	86	0	0	603771	1333333
9	3	13	752758	76	1316	1601	577430	1333333

Type 5 #30 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	16	431465	58	1385	1043	197511	631578
2	1	7	198217	74	0	0	433287	631578
3	2	13	181759	54	1693	0	448018	631578
4	2	12	150215	80	1809	0	479394	631578
5	3	15	65088	79	1751	1411	563091	631578
6	3	8	566529	94	1466	1457	61844	631578
7	2	6	545891	83	1958	0	83563	631578
8	1	16	115894	90	0	0	515594	631578
9	3	15	502764	67	1579	1628	125406	631578
10	3	7	496964	74	1919	1856	130617	631578
11	1	10	303830	52	0	0	327696	631578
12	3	20	154236	99	1820	1209	474016	631578
13	3	14	389471	93	1660	1872	238296	631578
14	1	9	423926	74	0	0	207578	631578
15	1	18	143211	52	0	0	488315	631578
16	1	17	191510	58	0	0	440010	631578
17	1	6	345626	69	0	0	285883	631578
18	2	6	477156	55	1608	0	152704	631578
19	2	10	551093	96	1850	0	78443	631578

Type 6 #1 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5712	#02-5593	#03-5552	#04-5626	#05-5715	#06-5709	#07-5691	#08-5360	#09-5324	#10-5575
#11-5544	#12-5337	#13-5572	#14-5379	#15-5336	#16-5292	#17-5465	#18-5624	#19-5340	#20-5633
#21-5640	#22-5333	#23-5329	#24-5371	#25-5482	#26-5511	#27-5375	#28-5659	#29-5655	#30-5524
#31-5714	#32-5363	#33-5288	#34-5319	#35-5530	#36-5361	#37-5341	#38-5637	#39-5427	#40-5619
#41-5359	#42-5431	#43-5690	#44-5447	#45-5454	#46-5647	#47-5452	#48-5567	#49-5261	#50-5306
#51-5311	#52-5351	#53-5282	#54-5322	#55-5509	#56-5472	#57-5505	#58-5565	#59-5426	#60-5394
#61-5301	#62-5555	#63-5422	#64-5459	#65-5266	#66-5486	#67-5354	#68-5533	#69-5428	#70-5374
#71-5263	#72-5364	#73-5648	#74-5277	#75-5589	#76-5342	#77-5644	#78-5467	#79-5652	#80-5539
#81-5331	#82-5534	#83-5307	#84-5581	#85-5583	#86-5439	#87-5587	#88-5443	#89-5380	#90-5384
#91-5275	#92-5720	#93-5556	#94-5435	#95-5631	#96-5498	#97-5608	#98-5701	#99-5268	#100-5516

Type 6 #2 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5607	#02-5358	#03-5581	#04-5455	#05-5583	#06-5642	#07-5333	#08-5474	#09-5558	#10-5628
#11-5608	#12-5377	#13-5374	#14-5456	#15-5429	#16-5498	#17-5674	#18-5713	#19-5512	#20-5545
#21-5565	#22-5496	#23-5705	#24-5623	#25-5281	#26-5282	#27-5462	#28-5261	#29-5262	#30-5693
#31-5293	#32-5562	#33-5312	#34-5424	#35-5652	#36-5724	#37-5378	#38-5669	#39-5359	#40-5465
#41-5547	#42-5480	#43-5392	#44-5592	#45-5431	#46-5704	#47-5626	#48-5383	#49-5549	#50-5619
#51-5439	#52-5448	#53-5675	#54-5361	#55-5682	#56-5423	#57-5550	#58-5430	#59-5322	#60-5589
#61-5585	#62-5295	#63-5314	#64-5529	#65-5479	#66-5546	#67-5382	#68-5567	#69-5435	#70-5350
#71-5475	#72-5481	#73-5413	#74-5575	#75-5482	#76-5603	#77-5394	#78-5398	#79-5372	#80-5540
#81-5291	#82-5680	#83-5280	#84-5488	#85-5286	#86-5252	#87-5620	#88-5346	#89-5527	#90-5397
#91-5610	#92-5487	#93-5597	#94-5574	#95-5412	#96-5627	#97-5451	#98-5259	#99-5700	#100-5672

Type 6 #3 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5688	#02-5583	#03-5445	#04-5436	#05-5648	#06-5450	#07-5713	#08-5657	#09-5456	#10-5591
#11-5352	#12-5328	#13-5398	#14-5347	#15-5717	#16-5580	#17-5384	#18-5610	#19-5343	#20-5308
#21-5686	#22-5718	#23-5391	#24-5636	#25-5500	#26-5576	#27-5624	#28-5378	#29-5644	#30-5565
#31-5670	#32-5305	#33-5541	#34-5323	#35-5394	#36-5486	#37-5433	#38-5422	#39-5327	#40-5281
#41-5465	#42-5404	#43-5386	#44-5385	#45-5518	#46-5589	#47-5477	#48-5420	#49-5297	#50-5317
#51-5373	#52-5606	#53-5614	#54-5252	#55-5590	#56-5303	#57-5524	#58-5598	#59-5551	#60-5584
#61-5262	#62-5616	#63-5645	#64-5512	#65-5325	#66-5678	#67-5480	#68-5396	#69-5532	#70-5312
#71-5596	#72-5471	#73-5563	#74-5255	#75-5501	#76-5707	#77-5712	#78-5397	#79-5683	#80-5597
#81-5497	#82-5547	#83-5423	#84-5651	#85-5320	#86-5529	#87-5633	#88-5274	#89-5454	#90-5453
#91-5513	#92-5337	#93-5514	#94-5523	#95-5664	#96-5626	#97-5355	#98-5543	#99-5267	#100-5506

Type 6 #4 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5276	#02-5298	#03-5273	#04-5415	#05-5610	#06-5404	#07-5626	#08-5389	#09-5368	#10-5348
#11-5598	#12-5585	#13-5254	#14-5399	#15-5296	#16-5487	#17-5661	#18-5328	#19-5583	#20-5270
#21-5268	#22-5300	#23-5514	#24-5413	#25-5701	#26-5447	#27-5696	#28-5392	#29-5706	#30-5605
#31-5634	#32-5539	#33-5502	#34-5384	#35-5584	#36-5568	#37-5675	#38-5313	#39-5395	#40-5366
#41-5464	#42-5394	#43-5510	#44-5374	#45-5617	#46-5388	#47-5418	#48-5685	#49-5722	#50-5488
#51-5508	#52-5439	#53-5530	#54-5607	#55-5417	#56-5700	#57-5367	#58-5717	#59-5676	#60-5621
#61-5637	#62-5601	#63-5327	#64-5484	#65-5533	#66-5319	#67-5679	#68-5629	#69-5397	#70-5673
#71-5556	#72-5662	#73-5473	#74-5375	#75-5558	#76-5698	#77-5468	#78-5644	#79-5301	#80-5526
#81-5600	#82-5275	#83-5405	#84-5494	#85-5318	#86-5620	#87-5419	#88-5724	#89-5471	#90-5443
#91-5320	#92-5478	#93-5705	#94-5511	#95-5340	#96-5253	#97-5402	#98-5652	#99-5321	#100-5361

Type 6 #5 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5636	#02-5607	#03-5475	#04-5306	#05-5481	#06-5584	#07-5251	#08-5623	#09-5323	#10-5288
#11-5388	#12-5345	#13-5286	#14-5576	#15-5657	#16-5328	#17-5289	#18-5308	#19-5459	#20-5397
#21-5451	#22-5363	#23-5591	#24-5720	#25-5395	#26-5296	#27-5608	#28-5465	#29-5492	#30-5709
#31-5454	#32-5489	#33-5364	#34-5512	#35-5655	#36-5437	#37-5561	#38-5418	#39-5351	#40-5398
#41-5404	#42-5383	#43-5669	#44-5660	#45-5408	#46-5649	#47-5650	#48-5586	#49-5688	#50-5434
#51-5494	#52-5311	#53-5336	#54-5538	#55-5368	#56-5407	#57-5555	#58-5303	#59-5620	#60-5615
#61-5522	#62-5462	#63-5414	#64-5272	#65-5291	#66-5302	#67-5683	#68-5659	#69-5587	#70-5450
#71-5361	#72-5449	#73-5540	#74-5379	#75-5267	#76-5592	#77-5525	#78-5654	#79-5268	#80-5375
#81-5473	#82-5300	#83-5668	#84-5567	#85-5350	#86-5287	#87-5396	#88-5447	#89-5262	#90-5501
#91-5511	#92-5486	#93-5452	#94-5545	#95-5642	#96-5381	#97-5536	#98-5674	#99-5448	#100-5610

Type 6 #6 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5427	#02-5643	#03-5591	#04-5426	#05-5719	#06-5602	#07-5272	#08-5721	#09-5532	#10-5376
#11-5351	#12-5450	#13-5663	#14-5523	#15-5716	#16-5352	#17-5460	#18-5582	#19-5622	#20-5345
#21-5304	#22-5638	#23-5436	#24-5289	#25-5592	#26-5547	#27-5539	#28-5297	#29-5608	#30-5522
#31-5457	#32-5347	#33-5652	#34-5590	#35-5295	#36-5381	#37-5327	#38-5391	#39-5355	#40-5410
#41-5469	#42-5400	#43-5639	#44-5611	#45-5310	#46-5653	#47-5554	#48-5646	#49-5678	#50-5302
#51-5353	#52-5556	#53-5513	#54-5456	#55-5552	#56-5558	#57-5422	#58-5312	#59-5700	#60-5362
#61-5260	#62-5644	#63-5254	#64-5323	#65-5478	#66-5584	#67-5275	#68-5318	#69-5476	#70-5462
#71-5600	#72-5628	#73-5723	#74-5550	#75-5613	#76-5724	#77-5610	#78-5468	#79-5319	#80-5601
#81-5503	#82-5549	#83-5284	#84-5507	#85-5650	#86-5499	#87-5557	#88-5658	#89-5494	#90-5287
#91-5629	#92-5691	#93-5395	#94-5511	#95-5474	#96-5425	#97-5694	#98-5577	#99-5452	#100-5564

Type 6 #7 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5477	#02-5652	#03-5515	#04-5630	#05-5663	#06-5276	#07-5422	#08-5426	#09-5482	#10-5293
#11-5383	#12-5391	#13-5683	#14-5699	#15-5289	#16-5695	#17-5659	#18-5501	#19-5486	#20-5543
#21-5364	#22-5356	#23-5591	#24-5343	#25-5584	#26-5467	#27-5270	#28-5500	#29-5434	#30-5498
#31-5530	#32-5273	#33-5301	#34-5455	#35-5321	#36-5716	#37-5269	#38-5560	#39-5531	#40-5485
#41-5646	#42-5261	#43-5718	#44-5495	#45-5550	#46-5437	#47-5537	#48-5435	#49-5285	#50-5262
#51-5341	#52-5634	#53-5450	#54-5371	#55-5311	#56-5421	#57-5296	#58-5445	#59-5255	#60-5647
#61-5708	#62-5487	#63-5360	#64-5339	#65-5478	#66-5627	#67-5657	#68-5703	#69-5639	#70-5665
#71-5680	#72-5307	#73-5443	#74-5344	#75-5597	#76-5572	#77-5283	#78-5280	#79-5457	#80-5314
#81-5704	#82-5462	#83-5518	#84-5656	#85-5392	#86-5254	#87-5675	#88-5295	#89-5545	#90-5698
#91-5365	#92-5525	#93-5562	#94-5654	#95-5278	#96-5481	#97-5385	#98-5460	#99-5635	#100-5502

Type 6 #8 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5476	#02-5371	#03-5321	#04-5386	#05-5576	#06-5257	#07-5276	#08-5439	#09-5573	#10-5262
#11-5414	#12-5522	#13-5582	#14-5261	#15-5495	#16-5694	#17-5428	#18-5672	#19-5473	#20-5676
#21-5612	#22-5408	#23-5665	#24-5550	#25-5404	#26-5469	#27-5513	#28-5316	#29-5366	#30-5437
#31-5548	#32-5322	#33-5547	#34-5537	#35-5478	#36-5341	#37-5446	#38-5520	#39-5540	#40-5722
#41-5649	#42-5580	#43-5696	#44-5686	#45-5675	#46-5252	#47-5705	#48-5642	#49-5507	#50-5511
#51-5681	#52-5512	#53-5460	#54-5683	#55-5615	#56-5317	#57-5430	#58-5496	#59-5706	#60-5357
#61-5468	#62-5685	#63-5323	#64-5342	#65-5700	#66-5295	#67-5508	#68-5497	#69-5633	#70-5382
#71-5475	#72-5277	#73-5281	#74-5436	#75-5704	#76-5599	#77-5402	#78-5489	#79-5595	#80-5533
#81-5579	#82-5480	#83-5285	#84-5587	#85-5588	#86-5646	#87-5410	#88-5636	#89-5538	#90-5433
#91-5503	#92-5688	#93-5560	#94-5659	#95-5384	#96-5353	#97-5264	#98-5298	#99-5380	#100-5709

Type 6 #9 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5656	#02-5583	#03-5605	#04-5450	#05-5621	#06-5554	#07-5592	#08-5598	#09-5401	#10-5468
#11-5630	#12-5403	#13-5480	#14-5361	#15-5373	#16-5347	#17-5493	#18-5546	#19-5345	#20-5674
#21-5697	#22-5313	#23-5498	#24-5601	#25-5457	#26-5267	#27-5375	#28-5460	#29-5430	#30-5565
#31-5432	#32-5602	#33-5657	#34-5312	#35-5529	#36-5435	#37-5304	#38-5709	#39-5537	#40-5289
#41-5654	#42-5343	#43-5352	#44-5640	#45-5536	#46-5287	#47-5585	#48-5442	#49-5677	#50-5431
#51-5261	#52-5593	#53-5335	#54-5254	#55-5718	#56-5604	#57-5428	#58-5288	#59-5387	#60-5695
#61-5628	#62-5448	#63-5310	#64-5542	#65-5307	#66-5492	#67-5358	#68-5316	#69-5500	#70-5459
#71-5671	#72-5363	#73-5639	#74-5268	#75-5423	#76-5570	#77-5372	#78-5479	#79-5590	#80-5314
#81-5702	#82-5525	#83-5441	#84-5424	#85-5530	#86-5527	#87-5566	#88-5385	#89-5456	#90-5474
#91-5461	#92-5475	#93-5470	#94-5675	#95-5323	#96-5670	#97-5342	#98-5600	#99-5308	#100-5689

Type 6 #10 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5693	#02-5269	#03-5689	#04-5375	#05-5505	#06-5694	#07-5299	#08-5261	#09-5364	#10-5333
#11-5267	#12-5591	#13-5317	#14-5555	#15-5549	#16-5659	#17-5323	#18-5465	#19-5518	#20-5414
#21-5723	#22-5677	#23-5293	#24-5422	#25-5637	#26-5645	#27-5697	#28-5351	#29-5466	#30-5561
#31-5459	#32-5562	#33-5508	#34-5527	#35-5441	#36-5604	#37-5487	#38-5520	#39-5463	#40-5347
#41-5392	#42-5453	#43-5661	#44-5607	#45-5492	#46-5370	#47-5407	#48-5568	#49-5336	#50-5525
#51-5476	#52-5262	#53-5332	#54-5306	#55-5649	#56-5340	#57-5706	#58-5279	#59-5582	#60-5717
#61-5297	#62-5271	#63-5467	#64-5443	#65-5703	#66-5676	#67-5626	#68-5474	#69-5357	#70-5539
#71-5608	#72-5623	#73-5475	#74-5593	#75-5281	#76-5515	#77-5359	#78-5521	#79-5431	#80-5595
#81-5372	#82-5680	#83-5410	#84-5652	#85-5631	#86-5274	#87-5268	#88-5444	#89-5349	#90-5664
#91-5590	#92-5337	#93-5573	#94-5350	#95-5512	#96-5699	#97-5404	#98-5291	#99-5540	#100-5577

Type 6 #11 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5406	#02-5627	#03-5528	#04-5647	#05-5374	#06-5266	#07-5480	#08-5358	#09-5521	#10-5377
#11-5554	#12-5671	#13-5690	#14-5546	#15-5450	#16-5515	#17-5608	#18-5413	#19-5426	#20-5599
#21-5466	#22-5282	#23-5388	#24-5336	#25-5525	#26-5655	#27-5252	#28-5384	#29-5276	#30-5557
#31-5352	#32-5254	#33-5275	#34-5351	#35-5619	#36-5428	#37-5593	#38-5556	#39-5410	#40-5318
#41-5684	#42-5269	#43-5371	#44-5385	#45-5691	#46-5499	#47-5253	#48-5602	#49-5364	#50-5702
#51-5665	#52-5594	#53-5390	#54-5561	#55-5573	#56-5335	#57-5478	#58-5699	#59-5644	#60-5495
#61-5547	#62-5722	#63-5568	#64-5685	#65-5520	#66-5347	#67-5713	#68-5709	#69-5293	#70-5305
#71-5689	#72-5317	#73-5404	#74-5286	#75-5610	#76-5724	#77-5677	#78-5442	#79-5375	#80-5313
#81-5686	#82-5296	#83-5343	#84-5365	#85-5582	#86-5491	#87-5387	#88-5272	#89-5527	#90-5424
#91-5420	#92-5401	#93-5565	#94-5532	#95-5617	#96-5531	#97-5659	#98-5609	#99-5629	#100-5687

Type 6 #12 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5493	#02-5418	#03-5540	#04-5441	#05-5339	#06-5645	#07-5264	#08-5595	#09-5529	#10-5443
#11-5621	#12-5364	#13-5386	#14-5622	#15-5667	#16-5616	#17-5442	#18-5436	#19-5539	#20-5391
#21-5291	#22-5295	#23-5602	#24-5345	#25-5590	#26-5458	#27-5409	#28-5672	#29-5309	#30-5636
#31-5428	#32-5501	#33-5723	#34-5272	#35-5528	#36-5648	#37-5570	#38-5533	#39-5516	#40-5467
#41-5333	#42-5527	#43-5305	#44-5265	#45-5251	#46-5338	#47-5472	#48-5320	#49-5488	#50-5646
#51-5448	#52-5541	#53-5444	#54-5575	#55-5605	#56-5486	#57-5317	#58-5535	#59-5618	#60-5252
#61-5588	#62-5387	#63-5600	#64-5315	#65-5519	#66-5668	#67-5693	#68-5583	#69-5499	#70-5552
#71-5542	#72-5466	#73-5332	#74-5308	#75-5547	#76-5358	#77-5263	#78-5327	#79-5548	#80-5311
#81-5322	#82-5612	#83-5334	#84-5465	#85-5705	#86-5574	#87-5330	#88-5335	#89-5525	#90-5637
#91-5544	#92-5352	#93-5629	#94-5396	#95-5271	#96-5627	#97-5290	#98-5411	#99-5270	#100-5709

Type 6 #13 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5477	#02-5321	#03-5284	#04-5334	#05-5574	#06-5309	#07-5302	#08-5253	#09-5254	#10-5446
#11-5305	#12-5609	#13-5367	#14-5519	#15-5703	#16-5438	#17-5457	#18-5342	#19-5565	#20-5398
#21-5532	#22-5395	#23-5252	#24-5413	#25-5255	#26-5358	#27-5655	#28-5652	#29-5289	#30-5431
#31-5281	#32-5450	#33-5313	#34-5481	#35-5478	#36-5502	#37-5296	#38-5250	#39-5592	#40-5542
#41-5265	#42-5521	#43-5633	#44-5347	#45-5473	#46-5468	#47-5512	#48-5602	#49-5642	#50-5558
#51-5419	#52-5673	#53-5571	#54-5596	#55-5426	#56-5331	#57-5318	#58-5595	#59-5329	#60-5466
#61-5379	#62-5375	#63-5689	#64-5548	#65-5414	#66-5580	#67-5545	#68-5611	#69-5290	#70-5392
#71-5474	#72-5273	#73-5383	#74-5261	#75-5487	#76-5629	#77-5665	#78-5259	#79-5456	#80-5333
#81-5604	#82-5442	#83-5396	#84-5433	#85-5425	#86-5645	#87-5376	#88-5615	#89-5557	#90-5658
#91-5618	#92-5647	#93-5626	#94-5562	#95-5416	#96-5687	#97-5448	#98-5547	#99-5463	#100-5415

Type 6 #14 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5569	#02-5414	#03-5655	#04-5541	#05-5619	#06-5326	#07-5365	#08-5483	#09-5536	#10-5331
#11-5700	#12-5353	#13-5555	#14-5266	#15-5691	#16-5348	#17-5584	#18-5492	#19-5428	#20-5402
#21-5696	#22-5296	#23-5589	#24-5670	#25-5465	#26-5289	#27-5299	#28-5610	#29-5306	#30-5703
#31-5614	#32-5552	#33-5269	#34-5495	#35-5354	#36-5481	#37-5336	#38-5499	#39-5324	#40-5523
#41-5576	#42-5642	#43-5544	#44-5320	#45-5667	#46-5425	#47-5449	#48-5400	#49-5349	#50-5688
#51-5695	#52-5711	#53-5416	#54-5442	#55-5608	#56-5676	#57-5674	#58-5585	#59-5549	#60-5443
#61-5487	#62-5445	#63-5643	#64-5374	#65-5666	#66-5316	#67-5722	#68-5432	#69-5591	#70-5497
#71-5718	#72-5604	#73-5369	#74-5378	#75-5295	#76-5600	#77-5522	#78-5366	#79-5564	#80-5623
#81-5510	#82-5343	#83-5258	#84-5628	#85-5386	#86-5551	#87-5611	#88-5532	#89-5475	#90-5675
#91-5606	#92-5286	#93-5380	#94-5723	#95-5419	#96-5379	#97-5254	#98-5693	#99-5482	#100-5440

Type 6 #15 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5702	#02-5606	#03-5536	#04-5323	#05-5479	#06-5631	#07-5312	#08-5432	#09-5603	#10-5588
#11-5660	#12-5550	#13-5366	#14-5287	#15-5655	#16-5420	#17-5558	#18-5279	#19-5309	#20-5272
#21-5292	#22-5473	#23-5568	#24-5713	#25-5379	#26-5601	#27-5471	#28-5647	#29-5662	#30-5560
#31-5654	#32-5277	#33-5628	#34-5281	#35-5271	#36-5574	#37-5478	#38-5382	#39-5496	#40-5458
#41-5412	#42-5492	#43-5252	#44-5422	#45-5445	#46-5423	#47-5302	#48-5341	#49-5669	#50-5258
#51-5663	#52-5418	#53-5659	#54-5383	#55-5693	#56-5334	#57-5350	#58-5577	#59-5390	#60-5495
#61-5658	#62-5633	#63-5335	#64-5265	#65-5331	#66-5666	#67-5426	#68-5508	#69-5576	#70-5584
#71-5525	#72-5470	#73-5395	#74-5518	#75-5681	#76-5548	#77-5715	#78-5579	#79-5460	#80-5346
#81-5613	#82-5605	#83-5393	#84-5466	#85-5722	#86-5684	#87-5488	#88-5537	#89-5500	#90-5691
#91-5326	#92-5316	#93-5718	#94-5404	#95-5572	#96-5637	#97-5547	#98-5541	#99-5455	#100-5447

Type 6 #16 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5413	#02-5566	#03-5627	#04-5667	#05-5303	#06-5437	#07-5713	#08-5376	#09-5451	#10-5522
#11-5394	#12-5292	#13-5695	#14-5562	#15-5527	#16-5511	#17-5632	#18-5705	#19-5430	#20-5581
#21-5363	#22-5587	#23-5397	#24-5560	#25-5256	#26-5626	#27-5687	#28-5701	#29-5308	#30-5577
#31-5613	#32-5260	#33-5408	#34-5583	#35-5406	#36-5307	#37-5545	#38-5483	#39-5313	#40-5703
#41-5674	#42-5387	#43-5518	#44-5573	#45-5362	#46-5602	#47-5721	#48-5640	#49-5688	#50-5598
#51-5299	#52-5479	#53-5356	#54-5297	#55-5536	#56-5275	#57-5399	#58-5392	#59-5670	#60-5506
#61-5281	#62-5704	#63-5371	#64-5453	#65-5336	#66-5472	#67-5367	#68-5603	#69-5353	#70-5318
#71-5549	#72-5448	#73-5379	#74-5630	#75-5575	#76-5266	#77-5649	#78-5264	#79-5533	#80-5427
#81-5552	#82-5438	#83-5436	#84-5502	#85-5677	#86-5524	#87-5719	#88-5316	#89-5331	#90-5315
#91-5459	#92-5647	#93-5554	#94-5338	#95-5571	#96-5290	#97-5323	#98-5634	#99-5655	#100-5633

Type 6 #17 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5642	#02-5631	#03-5643	#04-5549	#05-5250	#06-5653	#07-5581	#08-5619	#09-5522	#10-5420
#11-5669	#12-5625	#13-5622	#14-5285	#15-5590	#16-5651	#17-5554	#18-5707	#19-5470	#20-5482
#21-5367	#22-5314	#23-5613	#24-5652	#25-5563	#26-5328	#27-5392	#28-5699	#29-5460	#30-5517
#31-5621	#32-5530	#33-5519	#34-5595	#35-5283	#36-5700	#37-5718	#38-5644	#39-5459	#40-5436
#41-5518	#42-5570	#43-5515	#44-5271	#45-5656	#46-5302	#47-5705	#48-5318	#49-5340	#50-5414
#51-5423	#52-5516	#53-5578	#54-5268	#55-5411	#56-5503	#57-5477	#58-5547	#59-5685	#60-5401
#61-5253	#62-5341	#63-5491	#64-5719	#65-5617	#66-5713	#67-5550	#68-5273	#69-5655	#70-5520
#71-5292	#72-5357	#73-5600	#74-5347	#75-5323	#76-5488	#77-5369	#78-5353	#79-5448	#80-5264
#81-5665	#82-5577	#83-5262	#84-5329	#85-5557	#86-5681	#87-5684	#88-5695	#89-5610	#90-5364
#91-5267	#92-5564	#93-5536	#94-5711	#95-5426	#96-5607	#97-5352	#98-5589	#99-5400	#100-5585

Type 6 #18 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5307	#02-5700	#03-5639	#04-5715	#05-5504	#06-5375	#07-5405	#08-5403	#09-5309	#10-5566
#11-5298	#12-5530	#13-5327	#14-5550	#15-5391	#16-5605	#17-5499	#18-5406	#19-5630	#20-5316
#21-5696	#22-5407	#23-5718	#24-5613	#25-5317	#26-5314	#27-5360	#28-5622	#29-5606	#30-5266
#31-5488	#32-5608	#33-5602	#34-5348	#35-5338	#36-5302	#37-5519	#38-5526	#39-5635	#40-5293
#41-5315	#42-5462	#43-5486	#44-5710	#45-5570	#46-5545	#47-5357	#48-5671	#49-5683	#50-5333
#51-5614	#52-5482	#53-5543	#54-5645	#55-5351	#56-5437	#57-5310	#58-5294	#59-5506	#60-5428
#61-5549	#62-5534	#63-5649	#64-5667	#65-5514	#66-5410	#67-5353	#68-5361	#69-5515	#70-5415
#71-5363	#72-5652	#73-5400	#74-5555	#75-5328	#76-5326	#77-5498	#78-5320	#79-5529	#80-5689
#81-5513	#82-5308	#83-5427	#84-5711	#85-5589	#86-5458	#87-5273	#88-5457	#89-5468	#90-5505
#91-5705	#92-5561	#93-5292	#94-5306	#95-5289	#96-5567	#97-5572	#98-5449	#99-5568	#100-5430

Type 6 #19 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5718	#02-5676	#03-5607	#04-5707	#05-5503	#06-5430	#07-5654	#08-5478	#09-5254	#10-5517
#11-5386	#12-5542	#13-5455	#14-5329	#15-5423	#16-5489	#17-5627	#18-5283	#19-5391	#20-5431
#21-5619	#22-5396	#23-5420	#24-5285	#25-5458	#26-5287	#27-5552	#28-5682	#29-5313	#30-5531
#31-5602	#32-5434	#33-5476	#34-5703	#35-5568	#36-5528	#37-5714	#38-5501	#39-5437	#40-5424
#41-5475	#42-5575	#43-5684	#44-5497	#45-5327	#46-5669	#47-5509	#48-5307	#49-5387	#50-5535
#51-5571	#52-5505	#53-5613	#54-5671	#55-5295	#56-5392	#57-5352	#58-5250	#59-5297	#60-5370
#61-5323	#62-5260	#63-5577	#64-5620	#65-5388	#66-5507	#67-5401	#68-5305	#69-5547	#70-5629
#71-5543	#72-5608	#73-5304	#74-5400	#75-5263	#76-5611	#77-5255	#78-5394	#79-5317	#80-5587
#81-5504	#82-5343	#83-5529	#84-5657	#85-5426	#86-5453	#87-5316	#88-5351	#89-5464	#90-5722
#91-5314	#92-5359	#93-5545	#94-5454	#95-5485	#96-5484	#97-5630	#98-5523	#99-5319	#100-5412

Type 6 #20 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5314	#02-5297	#03-5574	#04-5283	#05-5484	#06-5317	#07-5591	#08-5510	#09-5282	#10-5608
#11-5413	#12-5596	#13-5372	#14-5371	#15-5451	#16-5640	#17-5416	#18-5442	#19-5320	#20-5610
#21-5263	#22-5669	#23-5580	#24-5470	#25-5406	#26-5495	#27-5634	#28-5412	#29-5635	#30-5706
#31-5273	#32-5393	#33-5361	#34-5378	#35-5389	#36-5420	#37-5557	#38-5284	#39-5598	#40-5462
#41-5281	#42-5476	#43-5381	#44-5646	#45-5332	#46-5363	#47-5715	#48-5607	#49-5602	#50-5316
#51-5526	#52-5301	#53-5352	#54-5719	#55-5538	#56-5327	#57-5546	#58-5681	#59-5348	#60-5626
#61-5453	#62-5601	#63-5259	#64-5322	#65-5500	#66-5721	#67-5408	#68-5446	#69-5397	#70-5443
#71-5448	#72-5548	#73-5323	#74-5421	#75-5375	#76-5396	#77-5693	#78-5310	#79-5276	#80-5394
#81-5606	#82-5479	#83-5641	#84-5716	#85-5456	#86-5354	#87-5684	#88-5464	#89-5513	#90-5524
#91-5444	#92-5594	#93-5521	#94-5714	#95-5253	#96-5414	#97-5329	#98-5651	#99-5720	#100-5527

Type 6 #21 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5718	#02-5375	#03-5632	#04-5674	#05-5296	#06-5355	#07-5364	#08-5577	#09-5670	#10-5530
#11-5283	#12-5320	#13-5593	#14-5456	#15-5592	#16-5277	#17-5642	#18-5682	#19-5587	#20-5548
#21-5676	#22-5458	#23-5564	#24-5714	#25-5366	#26-5598	#27-5616	#28-5476	#29-5297	#30-5562
#31-5437	#32-5639	#33-5723	#34-5317	#35-5549	#36-5404	#37-5638	#38-5358	#39-5398	#40-5671
#41-5498	#42-5314	#43-5345	#44-5724	#45-5291	#46-5608	#47-5386	#48-5387	#49-5412	#50-5693
#51-5383	#52-5703	#53-5684	#54-5655	#55-5482	#56-5473	#57-5351	#58-5622	#59-5571	#60-5406
#61-5546	#62-5288	#63-5293	#64-5597	#65-5253	#66-5574	#67-5438	#68-5601	#69-5427	#70-5393
#71-5469	#72-5715	#73-5325	#74-5533	#75-5257	#76-5339	#77-5635	#78-5399	#79-5505	#80-5318
#81-5681	#82-5400	#83-5481	#84-5444	#85-5708	#86-5650	#87-5570	#88-5346	#89-5568	#90-5470
#91-5581	#92-5343	#93-5515	#94-5408	#95-5369	#96-5588	#97-5572	#98-5694	#99-5579	#100-5673

Type 6 #22 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5465	#02-5262	#03-5712	#04-5543	#05-5352	#06-5625	#07-5477	#08-5501	#09-5612	#10-5536
#11-5402	#12-5270	#13-5698	#14-5512	#15-5281	#16-5551	#17-5297	#18-5696	#19-5397	#20-5580
#21-5677	#22-5412	#23-5720	#24-5370	#25-5715	#26-5349	#27-5560	#28-5691	#29-5343	#30-5626
#31-5633	#32-5475	#33-5378	#34-5652	#35-5435	#36-5557	#37-5613	#38-5527	#39-5396	#40-5667
#41-5717	#42-5330	#43-5682	#44-5531	#45-5362	#46-5388	#47-5395	#48-5407	#49-5319	#50-5286
#51-5450	#52-5601	#53-5547	#54-5723	#55-5303	#56-5266	#57-5592	#58-5553	#59-5252	#60-5315
#61-5510	#62-5408	#63-5711	#64-5628	#65-5616	#66-5295	#67-5327	#68-5449	#69-5663	#70-5495
#71-5549	#72-5454	#73-5588	#74-5597	#75-5439	#76-5257	#77-5577	#78-5678	#79-5622	#80-5306
#81-5426	#82-5380	#83-5657	#84-5382	#85-5541	#86-5699	#87-5393	#88-5457	#89-5646	#90-5627
#91-5496	#92-5350	#93-5595	#94-5348	#95-5680	#96-5301	#97-5342	#98-5385	#99-5373	#100-5574

Type 6 #23 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5552	#02-5585	#03-5700	#04-5298	#05-5638	#06-5613	#07-5351	#08-5534	#09-5597	#10-5724
#11-5486	#12-5363	#13-5669	#14-5632	#15-5642	#16-5520	#17-5406	#18-5578	#19-5380	#20-5675
#21-5482	#22-5536	#23-5547	#24-5330	#25-5321	#26-5276	#27-5683	#28-5470	#29-5704	#30-5559
#31-5719	#32-5533	#33-5713	#34-5410	#35-5723	#36-5344	#37-5688	#38-5568	#39-5545	#40-5412
#41-5280	#42-5435	#43-5260	#44-5712	#45-5386	#46-5430	#47-5409	#48-5620	#49-5489	#50-5254
#51-5423	#52-5341	#53-5265	#54-5287	#55-5445	#56-5567	#57-5587	#58-5393	#59-5314	#60-5617
#61-5415	#62-5491	#63-5554	#64-5643	#65-5481	#66-5522	#67-5311	#68-5614	#69-5537	#70-5320
#71-5505	#72-5362	#73-5590	#74-5660	#75-5313	#76-5502	#77-5333	#78-5319	#79-5714	#80-5360
#81-5441	#82-5697	#83-5372	#84-5353	#85-5624	#86-5371	#87-5706	#88-5401	#89-5348	#90-5388
#91-5269	#92-5493	#93-5408	#94-5294	#95-5673	#96-5612	#97-5600	#98-5442	#99-5292	#100-5271

Type 6 #24 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5485	#02-5650	#03-5550	#04-5580	#05-5632	#06-5524	#07-5616	#08-5252	#09-5533	#10-5345
#11-5502	#12-5443	#13-5670	#14-5358	#15-5418	#16-5411	#17-5493	#18-5555	#19-5703	#20-5696
#21-5367	#22-5342	#23-5551	#24-5431	#25-5660	#26-5269	#27-5553	#28-5423	#29-5499	#30-5444
#31-5521	#32-5317	#33-5419	#34-5462	#35-5447	#36-5528	#37-5294	#38-5464	#39-5432	#40-5510
#41-5579	#42-5648	#43-5716	#44-5690	#45-5304	#46-5348	#47-5565	#48-5397	#49-5356	#50-5612
#51-5314	#52-5300	#53-5368	#54-5557	#55-5723	#56-5398	#57-5505	#58-5313	#59-5554	#60-5284
#61-5626	#62-5705	#63-5375	#64-5500	#65-5458	#66-5636	#67-5615	#68-5279	#69-5373	#70-5601
#71-5512	#72-5560	#73-5466	#74-5605	#75-5645	#76-5713	#77-5704	#78-5351	#79-5338	#80-5634
#81-5253	#82-5369	#83-5343	#84-5614	#85-5530	#86-5620	#87-5492	#88-5652	#89-5446	#90-5515
#91-5544	#92-5272	#93-5260	#94-5564	#95-5653	#96-5326	#97-5488	#98-5596	#99-5388	#100-5412

Type 6 #25 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5656	#02-5341	#03-5584	#04-5325	#05-5574	#06-5658	#07-5538	#08-5320	#09-5371	#10-5381
#11-5364	#12-5271	#13-5335	#14-5472	#15-5512	#16-5445	#17-5721	#18-5336	#19-5692	#20-5396
#21-5549	#22-5627	#23-5326	#24-5281	#25-5309	#26-5401	#27-5321	#28-5261	#29-5395	#30-5382
#31-5671	#32-5487	#33-5475	#34-5367	#35-5688	#36-5318	#37-5665	#38-5611	#39-5458	#40-5442
#41-5397	#42-5499	#43-5631	#44-5467	#45-5532	#46-5539	#47-5293	#48-5599	#49-5337	#50-5613
#51-5717	#52-5587	#53-5279	#54-5264	#55-5552	#56-5265	#57-5423	#58-5526	#59-5649	#60-5714
#61-5435	#62-5601	#63-5521	#64-5693	#65-5508	#66-5360	#67-5377	#68-5331	#69-5662	#70-5609
#71-5434	#72-5654	#73-5506	#74-5403	#75-5659	#76-5513	#77-5446	#78-5352	#79-5507	#80-5583
#81-5483	#82-5504	#83-5387	#84-5490	#85-5356	#86-5492	#87-5274	#88-5657	#89-5453	#90-5686
#91-5622	#92-5428	#93-5640	#94-5250	#95-5666	#96-5531	#97-5304	#98-5703	#99-5570	#100-5334

Type 6 #26 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5296	#02-5587	#03-5488	#04-5323	#05-5329	#06-5546	#07-5456	#08-5576	#09-5251	#10-5288
#11-5438	#12-5573	#13-5698	#14-5612	#15-5493	#16-5627	#17-5307	#18-5255	#19-5593	#20-5706
#21-5692	#22-5608	#23-5293	#24-5409	#25-5489	#26-5268	#27-5437	#28-5507	#29-5642	#30-5318
#31-5428	#32-5526	#33-5339	#34-5302	#35-5444	#36-5494	#37-5253	#38-5675	#39-5577	#40-5721
#41-5360	#42-5620	#43-5321	#44-5311	#45-5425	#46-5454	#47-5278	#48-5482	#49-5289	#50-5474
#51-5299	#52-5588	#53-5366	#54-5412	#55-5544	#56-5559	#57-5359	#58-5674	#59-5659	#60-5658
#61-5584	#62-5636	#63-5484	#64-5646	#65-5417	#66-5724	#67-5624	#68-5356	#69-5402	#70-5399
#71-5709	#72-5582	#73-5712	#74-5696	#75-5348	#76-5313	#77-5538	#78-5275	#79-5602	#80-5569
#81-5379	#82-5416	#83-5475	#84-5661	#85-5281	#86-5649	#87-5516	#88-5334	#89-5297	#90-5687
#91-5462	#92-5666	#93-5533	#94-5585	#95-5483	#96-5390	#97-5367	#98-5621	#99-5685	#100-5603

Type 6 #27 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5508	#02-5424	#03-5573	#04-5705	#05-5495	#06-5497	#07-5675	#08-5648	#09-5306	#10-5339
#11-5454	#12-5470	#13-5258	#14-5710	#15-5386	#16-5299	#17-5699	#18-5715	#19-5611	#20-5314
#21-5662	#22-5406	#23-5275	#24-5483	#25-5673	#26-5372	#27-5255	#28-5548	#29-5517	#30-5462
#31-5451	#32-5455	#33-5597	#34-5402	#35-5581	#36-5351	#37-5668	#38-5595	#39-5268	#40-5384
#41-5373	#42-5369	#43-5257	#44-5654	#45-5657	#46-5449	#47-5433	#48-5415	#49-5377	#50-5259
#51-5621	#52-5666	#53-5399	#54-5281	#55-5492	#56-5376	#57-5380	#58-5568	#59-5612	#60-5696
#61-5264	#62-5557	#63-5529	#64-5672	#65-5280	#66-5593	#67-5655	#68-5538	#69-5287	#70-5475
#71-5269	#72-5439	#73-5431	#74-5349	#75-5333	#76-5297	#77-5324	#78-5474	#79-5559	#80-5656
#81-5300	#82-5432	#83-5261	#84-5636	#85-5471	#86-5501	#87-5717	#88-5525	#89-5286	#90-5639
#91-5521	#92-5645	#93-5485	#94-5390	#95-5691	#96-5722	#97-5589	#98-5262	#99-5659	#100-5310

Type 6 #28 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5276	#02-5297	#03-5521	#04-5538	#05-5471	#06-5430	#07-5455	#08-5507	#09-5346	#10-5661
#11-5369	#12-5623	#13-5342	#14-5646	#15-5546	#16-5487	#17-5417	#18-5438	#19-5354	#20-5643
#21-5441	#22-5429	#23-5572	#24-5637	#25-5316	#26-5333	#27-5592	#28-5528	#29-5710	#30-5435
#31-5397	#32-5624	#33-5537	#34-5440	#35-5706	#36-5670	#37-5254	#38-5421	#39-5540	#40-5458
#41-5315	#42-5457	#43-5548	#44-5549	#45-5265	#46-5359	#47-5298	#48-5294	#49-5556	#50-5551
#51-5555	#52-5400	#53-5632	#54-5266	#55-5594	#56-5571	#57-5449	#58-5608	#59-5388	#60-5563
#61-5651	#62-5636	#63-5513	#64-5469	#65-5336	#66-5626	#67-5665	#68-5600	#69-5483	#70-5720
#71-5621	#72-5577	#73-5708	#74-5606	#75-5272	#76-5622	#77-5682	#78-5284	#79-5697	#80-5408
#81-5604	#82-5722	#83-5716	#84-5385	#85-5370	#86-5674	#87-5401	#88-5620	#89-5286	#90-5520
#91-5680	#92-5318	#93-5559	#94-5501	#95-5261	#96-5413	#97-5610	#98-5690	#99-5426	#100-5514

Type 6 #29 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5353	#02-5264	#03-5678	#04-5362	#05-5281	#06-5516	#07-5478	#08-5540	#09-5305	#10-5529
#11-5379	#12-5295	#13-5472	#14-5250	#15-5439	#16-5297	#17-5694	#18-5711	#19-5352	#20-5659
#21-5611	#22-5444	#23-5267	#24-5339	#25-5470	#26-5705	#27-5357	#28-5685	#29-5419	#30-5294
#31-5385	#32-5410	#33-5605	#34-5434	#35-5548	#36-5494	#37-5292	#38-5457	#39-5342	#40-5549
#41-5551	#42-5681	#43-5514	#44-5279	#45-5260	#46-5699	#47-5563	#48-5720	#49-5608	#50-5579
#51-5466	#52-5545	#53-5661	#54-5272	#55-5497	#56-5432	#57-5344	#58-5360	#59-5334	#60-5702
#61-5609	#62-5424	#63-5370	#64-5254	#65-5473	#66-5310	#67-5452	#68-5519	#69-5619	#70-5440
#71-5383	#72-5506	#73-5441	#74-5695	#75-5371	#76-5501	#77-5556	#78-5555	#79-5498	#80-5525
#81-5618	#82-5449	#83-5275	#84-5722	#85-5704	#86-5629	#87-5615	#88-5631	#89-5697	#90-5376
#91-5672	#92-5650	#93-5614	#94-5455	#95-5527	#96-5298	#97-5698	#98-5660	#99-5480	#100-5450

Type 6 #30 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5303	#02-5593	#03-5309	#04-5480	#05-5673	#06-5446	#07-5267	#08-5515	#09-5427	#10-5521
#11-5430	#12-5699	#13-5403	#14-5601	#15-5586	#16-5330	#17-5413	#18-5281	#19-5518	#20-5606
#21-5677	#22-5608	#23-5385	#24-5277	#25-5636	#26-5594	#27-5717	#28-5701	#29-5274	#30-5503
#31-5711	#32-5504	#33-5576	#34-5555	#35-5464	#36-5391	#37-5434	#38-5680	#39-5282	#40-5674
#41-5400	#42-5469	#43-5496	#44-5460	#45-5578	#46-5609	#47-5666	#48-5392	#49-5598	#50-5497
#51-5597	#52-5709	#53-5649	#54-5453	#55-5287	#56-5398	#57-5523	#58-5451	#59-5652	#60-5713
#61-5624	#62-5275	#63-5599	#64-5499	#65-5614	#66-5333	#67-5651	#68-5645	#69-5458	#70-5640
#71-5505	#72-5425	#73-5559	#74-5520	#75-5341	#76-5332	#77-5360	#78-5362	#79-5256	#80-5703
#81-5251	#82-5630	#83-5260	#84-5354	#85-5402	#86-5531	#87-5484	#88-5473	#89-5627	#90-5542
#91-5508	#92-5561	#93-5553	#94-5367	#95-5671	#96-5660	#97-5301	#98-5672	#99-5577	#100-5501

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	3	19	1143204	88	1853	1540	53139	1200000
2	1	5	257669	71	0	0	942260	1200000
3	2	5	797672	82	1064	0	401100	1200000
4	2	13	1001439	82	1639	0	196758	1200000
5	1	15	206957	56	0	0	992987	1200000
6	3	6	595948	63	1071	1371	601421	1200000
7	3	10	1183208	56	1730	1695	13199	1200000
8	3	15	1168973	87	1701	1643	27422	1200000
9	3	6	391628	87	1780	1626	804705	1200000
10	2	5	1026451	65	1478	0	171941	1200000

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	6	374205	92	1747	1859	955246	1333333
2	3	5	540930	50	1540	1297	789416	1333333
3	1	10	901877	65	0	0	431391	1333333
4	3	18	326004	96	1938	1193	1003910	1333333
5	1	6	286195	96	0	0	1047042	1333333
6	2	12	625889	89	1066	0	706200	1333333
7	2	8	1160458	63	1779	0	170970	1333333
8	3	18	842141	50	1383	1851	487808	1333333
9	3	12	423161	65	1675	1502	906800	1333333

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	3	6	554566	70	1640	1919	41665	600000
2	3	7	386959	78	1657	1644	209506	600000
3	1	20	42186	76	0	0	557738	600000
4	3	5	471140	57	1530	1497	125662	600000
5	3	12	195065	51	1087	1560	402135	600000
6	3	11	489006	74	1713	1314	107745	600000
7	2	10	205147	84	1800	0	392885	600000
8	1	10	422577	53	0	0	177370	600000
9	2	16	70453	61	1778	0	527647	600000
10	3	14	470678	62	1530	1466	126140	600000
11	2	12	110680	55	1081	0	488129	600000
12	3	11	143915	68	1587	1708	452586	600000
13	3	9	428691	67	1923	1320	167865	600000
14	1	16	274707	90	0	0	325203	600000
15	1	13	483977	54	0	0	115969	600000
16	3	12	529633	65	1400	1726	67046	600000
17	3	13	109842	62	1358	1482	487132	600000
18	1	13	565441	81	0	0	34478	600000
19	3	20	238873	87	1104	1299	358463	600000
20	2	14	317124	59	1520	0	281238	600000

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	3	9	193270	66	1026	1927	509461	705882
2	2	19	605774	76	1980	0	97976	705882
3	3	15	309241	68	1809	1895	392733	705882
4	1	12	204899	72	0	0	500911	705882
5	3	12	356727	89	1088	1457	346343	705882
6	1	8	560270	89	0	0	145523	705882
7	1	7	354943	68	0	0	350871	705882
8	1	12	182023	53	0	0	523806	705882
9	3	20	613907	57	1014	1712	89078	705882
10	1	14	417541	88	0	0	288253	705882
11	2	12	61710	88	1071	0	642925	705882
12	2	14	660090	99	1842	0	43752	705882
13	2	7	479464	89	1738	0	224502	705882
14	1	12	140620	83	0	0	565179	705882
15	1	18	695229	81	0	0	10572	705882
16	3	9	38326	73	1301	1766	664270	705882
17	2	16	513503	96	1892	0	190295	705882

Type 5 #5 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	7	957737	66	1270	0	374194	1333333
2	2	8	1050692	82	1518	0	280959	1333333
3	1	9	444782	50	0	0	888501	1333333
4	2	16	579184	61	1549	0	752478	1333333
5	3	17	1059026	91	1592	1618	270824	1333333
6	1	13	362888	60	0	0	970385	1333333
7	1	19	550509	88	0	0	782736	1333333
8	2	18	256143	59	1520	0	1075552	1333333
9	2	20	622314	82	1588	0	709267	1333333

Type 5 #6 [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	5	575550	64	0	0	757719	1333333
2	2	8	608434	67	1160	0	723605	1333333
3	3	16	629996	67	1732	1518	699886	1333333
4	2	6	654527	67	1961	0	676711	1333333
5	1	14	889274	67	0	0	443992	1333333
6	1	16	695735	83	0	0	637515	1333333
7	1	20	296629	90	0	0	1036614	1333333
8	1	11	685003	75	0	0	648255	1333333
9	1	20	1228585	89	0	0	104659	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	15	310990	71	1240	0	354294	666666
2	1	16	598721	50	0	0	67895	666666
3	1	15	650364	93	0	0	16209	666666
4	1	15	254994	94	0	0	411578	666666
5	1	15	450484	94	0	0	216088	666666
6	1	17	80924	83	0	0	585659	666666
7	2	7	328656	61	1960	0	335928	666666
8	2	5	285560	57	1663	0	379329	666666
9	3	11	462462	97	1677	1533	200703	666666
10	3	12	216991	58	1134	1596	446771	666666
11	2	18	318824	76	1705	0	345985	666666
12	1	7	338896	63	0	0	327707	666666
13	3	6	580626	96	1048	1901	82803	666666
14	3	16	207143	70	1722	1588	456003	666666
15	2	17	405713	98	1956	0	258801	666666
16	1	18	613704	98	0	0	52864	666666
17	1	13	61557	81	0	0	605028	666666
18	3	7	16136	81	1790	1093	647404	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	7	216704	96	1027	0	487959	705882
2	2	18	540492	82	1044	0	164182	705882
3	3	5	402938	71	1014	1812	299905	705882
4	1	18	552807	88	0	0	152987	705882
5	1	14	411923	64	0	0	293895	705882
6	1	20	79377	80	0	0	626425	705882
7	1	14	447689	81	0	0	258112	705882
8	3	17	509339	91	1710	1766	192794	705882
9	2	16	583420	100	1132	0	121130	705882
10	1	8	365425	70	0	0	340387	705882
11	1	5	41524	99	0	0	664259	705882
12	1	8	319956	61	0	0	385865	705882
13	1	14	523352	67	0	0	182463	705882
14	3	13	107480	84	1558	1419	595173	705882
15	1	8	150316	86	0	0	555480	705882
16	1	10	70939	91	0	0	634852	705882
17	3	7	123178	54	1452	1434	579656	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	7	303135	94	0	0	1030104	1333333
2	2	11	486347	79	1456	0	845372	1333333
3	2	7	1243654	69	1984	0	87557	1333333
4	1	14	545625	59	0	0	787649	1333333
5	1	12	437646	64	0	0	895623	1333333
6	3	8	448846	94	1710	1941	880554	1333333
7	1	17	1199109	63	0	0	134161	1333333
8	2	15	511832	83	1795	0	819540	1333333
9	1	14	959610	93	0	0	373630	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	16	180860	82	1634	1365	906804	1090909
2	2	14	472153	96	1042	0	617522	1090909
3	3	16	1085434	79	1013	1261	2964	1090909
4	3	6	861557	82	1299	1095	226712	1090909
5	2	10	560367	88	1295	0	529071	1090909
6	3	13	254594	62	1421	1559	833149	1090909
7	2	7	376101	61	1596	0	713090	1090909
8	3	9	506742	88	1660	1737	580506	1090909
9	2	19	133757	54	1782	0	955262	1090909
10	1	20	706687	100	0	0	384122	1090909
11	3	18	48378	87	1249	1879	1039142	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	10	306507	55	0	0	325016	631578
2	1	10	153675	67	0	0	477836	631578
3	3	11	196142	55	1511	1860	431900	631578
4	1	5	6787	72	0	0	624719	631578
5	1	11	462807	62	0	0	168709	631578
6	3	13	172408	96	1475	1912	455495	631578
7	3	19	567460	68	1717	1301	60896	631578
8	3	9	116118	57	1251	1454	512584	631578
9	3	20	303981	83	1010	1932	324406	631578
10	1	19	184905	67	0	0	446606	631578
11	3	15	207796	62	1803	1467	420326	631578
12	2	19	267986	73	1537	0	361909	631578
13	1	11	134333	73	0	0	497172	631578
14	3	20	88434	60	1616	1907	539441	631578
15	3	5	466037	78	1514	1756	162037	631578
16	2	6	362813	99	1388	0	267179	631578
17	2	14	45417	74	1662	0	584351	631578
18	2	10	529683	72	1701	0	100050	631578
19	1	17	411267	96	0	0	220215	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	8	156040	90	1273	0	1042507	1200000
2	3	7	713011	50	1992	1681	483166	1200000
3	1	14	933939	86	0	0	265975	1200000
4	2	7	854986	93	1850	0	342978	1200000
5	3	13	622004	92	1612	1713	574395	1200000
6	1	9	571663	60	0	0	628277	1200000
7	2	18	203565	64	1576	0	994731	1200000
8	3	17	428068	87	1258	1857	768556	1200000
9	1	20	571212	79	0	0	628709	1200000
10	1	17	1107057	87	0	0	92856	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	2	19	194440	89	1938	0	803444	1000000
2	3	15	466324	62	1561	1610	530319	1000000
3	3	13	424810	93	1041	1306	572564	1000000
4	1	19	741726	71	0	0	258203	1000000
5	1	20	355936	95	0	0	643969	1000000
6	2	14	502639	63	1136	0	496099	1000000
7	3	9	867996	74	1933	1994	127855	1000000
8	2	11	616397	97	1440	0	381969	1000000
9	1	15	388813	62	0	0	611125	1000000
10	2	6	169376	74	1940	0	828536	1000000
11	3	10	441744	80	1008	1625	555383	1000000
12	3	14	674268	96	1540	1473	322431	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	20	441876	91	0	0	415175	857142
2	3	7	642745	76	1927	1501	210741	857142
3	3	15	515744	65	1795	1242	338166	857142
4	3	7	614320	58	1631	1967	239050	857142
5	1	9	263340	55	0	0	593747	857142
6	2	12	719499	100	1343	0	136100	857142
7	3	14	338054	97	1187	1832	515778	857142
8	1	13	659387	78	0	0	197677	857142
9	1	18	324200	64	0	0	532878	857142
10	3	15	669802	99	1635	1313	184095	857142
11	2	5	288601	64	1534	0	566879	857142
12	2	8	830133	94	1612	0	25209	857142
13	1	7	781777	73	0	0	75292	857142
14	1	5	520771	68	0	0	336303	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	14	587261	88	0	0	335727	923076
2	3	11	518498	86	1363	1740	401217	923076
3	1	10	138686	96	0	0	784294	923076
4	2	15	58462	74	1896	0	862570	923076
5	3	13	532265	61	1803	1947	386878	923076
6	2	7	336686	89	1927	0	584285	923076
7	2	5	96643	97	1224	0	825015	923076
8	1	15	169893	88	0	0	753095	923076
9	3	9	262499	95	1136	1677	657479	923076
10	1	10	551845	91	0	0	371140	923076
11	2	12	697626	67	1985	0	223331	923076
12	1	20	619154	85	0	0	303837	923076
13	1	20	287612	63	0	0	635401	923076

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	11	124091	60	1863	0	797002	923076
2	1	16	25444	76	0	0	897556	923076
3	3	20	115869	62	1965	1385	803671	923076
4	2	17	486250	76	1468	0	435206	923076
5	2	19	260484	51	1948	0	660542	923076
6	1	6	70240	71	0	0	852765	923076
7	2	18	751319	96	1589	0	169976	923076
8	3	19	246022	73	1205	1683	673947	923076
9	1	9	691782	85	0	0	231209	923076
10	3	8	8911	91	1302	1826	910764	923076
11	2	12	870520	75	1784	0	50622	923076
12	2	12	97224	66	1580	0	824140	923076
13	2	15	732909	72	1433	0	188590	923076

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	14	769463	57	1658	0	228765	1000000
2	1	8	458584	54	0	0	541362	1000000
3	3	7	796815	86	1215	1475	200237	1000000
4	1	6	48169	62	0	0	951769	1000000
5	2	17	419250	70	1871	0	578739	1000000
6	1	15	577056	72	0	0	422872	1000000
7	2	5	952215	81	1873	0	45750	1000000
8	2	6	167231	72	1680	0	830945	1000000
9	1	11	274582	62	0	0	725356	1000000
10	1	14	168764	58	0	0	831178	1000000
11	1	9	513174	55	0	0	486771	1000000
12	1	11	371587	79	0	0	628334	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	8	196428	64	1503	0	401941	600000
2	3	13	508364	76	1840	1734	87834	600000
3	1	5	430940	94	0	0	168966	600000
4	2	18	14934	54	1808	0	583150	600000
5	1	16	482068	74	0	0	117858	600000
6	3	13	253060	60	1271	1126	344363	600000
7	2	14	532336	74	1357	0	66159	600000
8	3	15	526213	74	1911	1561	70093	600000
9	3	11	217532	74	1764	1978	378504	600000
10	1	6	65697	79	0	0	534224	600000
11	3	10	338766	79	1872	1077	258048	600000
12	2	6	147013	76	1158	0	451677	600000
13	2	9	364117	71	1365	0	234376	600000
14	2	19	252390	57	1957	0	345539	600000
15	3	7	170377	62	1405	1994	426038	600000
16	1	18	267919	50	0	0	332031	600000
17	3	10	140646	52	1705	1911	455582	600000
18	2	8	87732	91	1078	0	511008	600000
19	3	15	93237	70	1279	1070	504204	600000
20	2	18	401654	68	1936	0	196274	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	10	111860	92	1204	1466	1218527	1333333
2	1	13	364036	68	0	0	969229	1333333
3	3	11	605277	78	1101	1565	725156	1333333
4	2	10	1169610	51	1682	0	161939	1333333
5	1	18	674130	56	0	0	659147	1333333
6	1	7	854519	97	0	0	478717	1333333
7	2	13	1233821	100	1011	0	98301	1333333
8	2	14	26216	93	1031	0	1305900	1333333
9	3	16	919179	98	1637	1519	410704	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	14	1242064	99	1944	1997	253698	1500000
2	2	8	1076264	100	1412	0	422124	1500000
3	2	10	228317	85	1161	0	1270352	1500000
4	3	9	689334	94	1200	1552	807632	1500000
5	2	18	6999	85	1341	0	1491490	1500000
6	2	7	906652	87	1639	0	591535	1500000
7	1	8	1430692	72	0	0	69236	1500000
8	2	15	1353337	85	1160	0	145333	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	7	1016991	60	1095	1333	480401	1500000
2	2	5	354634	90	1765	0	1143421	1500000
3	2	11	1331401	76	1494	0	166953	1500000
4	1	18	12761	83	0	0	1487156	1500000
5	1	17	169667	54	0	0	1330279	1500000
6	1	6	311167	63	0	0	1188770	1500000
7	2	8	445648	51	1122	0	1053128	1500000
8	2	9	1168122	89	1559	0	330141	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	19	236932	51	0	0	1263017	1500000
2	3	15	687835	68	1910	1801	808250	1500000
3	2	20	1340436	82	1334	0	158066	1500000
4	3	12	99208	80	1030	1764	1397758	1500000
5	2	7	801227	68	1980	0	696657	1500000
6	1	20	982345	59	0	0	517596	1500000
7	1	9	973062	66	0	0	526872	1500000
8	2	10	1346617	99	1927	0	151258	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	9	275955	68	1748	1965	426010	705882
2	1	11	543696	90	0	0	162096	705882
3	1	13	11356	91	0	0	694435	705882
4	3	15	238184	88	1743	1178	464513	705882
5	1	19	102783	73	0	0	603026	705882
6	1	10	237447	66	0	0	468369	705882
7	3	11	200748	96	1673	1543	501630	705882
8	1	9	431653	86	0	0	274143	705882
9	1	9	229905	79	0	0	475898	705882
10	3	12	192008	61	1416	1801	510474	705882
11	3	9	393322	88	1588	1748	308960	705882
12	2	12	367811	60	1161	0	336790	705882
13	2	19	340684	52	1955	0	363139	705882
14	2	9	648979	75	1243	0	55510	705882
15	1	5	368088	74	0	0	337720	705882
16	2	19	490486	52	1679	0	213613	705882
17	3	13	61715	91	1065	1629	641200	705882

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	20	200429	97	1796	1896	545588	750000
2	1	14	399177	54	0	0	350769	750000
3	2	9	726150	68	1880	0	21834	750000
4	1	10	356124	78	0	0	393798	750000
5	1	6	117489	62	0	0	632449	750000
6	2	13	368299	78	1744	0	379801	750000
7	3	20	647766	56	1279	1867	98920	750000
8	2	9	19181	79	1447	0	729214	750000
9	3	20	498712	69	1945	1059	248077	750000
10	2	18	500309	68	1699	0	247856	750000
11	3	7	577580	86	1831	1376	168955	750000
12	3	8	456105	74	1375	1525	290773	750000
13	2	13	378088	73	1101	0	370665	750000
14	2	11	82555	69	1849	0	665458	750000
15	1	18	200989	76	0	0	548935	750000
16	1	18	3412	54	0	0	746534	750000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	5	167262	90	1162	1276	1163363	1333333
2	1	16	1083739	75	0	0	249519	1333333
3	3	15	791474	60	1439	1776	538464	1333333
4	2	14	1242959	76	1052	0	89170	1333333
5	2	18	514861	65	1852	0	816490	1333333
6	2	6	892791	98	1651	0	438695	1333333
7	2	8	1087545	61	1599	0	244067	1333333
8	2	9	625003	64	1976	0	706226	1333333
9	3	14	899006	83	1028	1897	431153	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	15	872341	84	0	0	627575	1500000
2	1	8	732761	98	0	0	767141	1500000
3	2	9	722922	61	1890	0	775066	1500000
4	1	6	213483	69	0	0	1286448	1500000
5	1	11	1259460	100	0	0	240440	1500000
6	3	8	872314	63	1248	1590	624659	1500000
7	3	16	1063430	90	1792	1955	432553	1500000
8	2	11	133286	94	1019	0	1365507	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	6	331185	50	0	0	668765	1000000
2	1	11	493209	99	0	0	506692	1000000
3	2	14	835546	78	1435	0	162863	1000000
4	3	8	429198	62	1135	1411	568070	1000000
5	1	10	230034	85	0	0	769881	1000000
6	3	11	909238	88	1356	1178	87964	1000000
7	1	5	53394	98	0	0	946508	1000000
8	3	11	151098	86	1730	1628	845286	1000000
9	1	6	187912	94	0	0	811994	1000000
10	2	9	42372	60	1955	0	955553	1000000
11	2	16	588324	67	1023	0	410519	1000000
12	3	19	575128	83	1781	1408	421434	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	14	461692	60	1186	0	287002	750000
2	2	20	628037	69	1204	0	120621	750000
3	2	9	346052	75	1208	0	402590	750000
4	2	17	342296	59	1492	0	406094	750000
5	2	16	357235	66	1574	0	391059	750000
6	3	9	471823	73	1174	1801	274983	750000
7	1	12	450027	52	0	0	299921	750000
8	3	5	683145	76	1804	1692	63131	750000
9	3	14	570630	92	1835	1223	176036	750000
10	2	6	727074	64	1726	0	21072	750000
11	3	8	5888	56	1308	1480	741156	750000
12	3	5	302042	85	1084	1823	444796	750000
13	1	12	589314	59	0	0	160627	750000
14	2	6	3876	90	1180	0	744764	750000
15	3	13	551928	77	1476	1099	195266	750000
16	1	6	2661	58	0	0	747281	750000

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	1	11	1241339	83	0	0	91911	1333333
2	1	8	677030	64	0	0	656239	1333333
3	1	15	1108555	55	0	0	224723	1333333
4	1	11	870592	72	0	0	462669	1333333
5	3	17	725674	99	1502	1002	604858	1333333
6	3	14	507138	55	1681	1832	822517	1333333
7	1	13	1285078	73	0	0	48182	1333333
8	1	10	729476	86	0	0	603771	1333333
9	3	13	752758	76	1316	1601	577430	1333333

Type 5 #30 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	16	431465	58	1385	1043	197511	631578
2	1	7	198217	74	0	0	433287	631578
3	2	13	181759	54	1693	0	448018	631578
4	2	12	150215	80	1809	0	479394	631578
5	3	15	65088	79	1751	1411	563091	631578
6	3	8	566529	94	1466	1457	61844	631578
7	2	6	545891	83	1958	0	83563	631578
8	1	16	115894	90	0	0	515594	631578
9	3	15	502764	67	1579	1628	125406	631578
10	3	7	496964	74	1919	1856	130617	631578
11	1	10	303830	52	0	0	327696	631578
12	3	20	154236	99	1820	1209	474016	631578
13	3	14	389471	93	1660	1872	238296	631578
14	1	9	423926	74	0	0	207578	631578
15	1	18	143211	52	0	0	488315	631578
16	1	17	191510	58	0	0	440010	631578
17	1	6	345626	69	0	0	285883	631578
18	2	6	477156	55	1608	0	152704	631578
19	2	10	551093	96	1850	0	78443	631578

Type 6 #1 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5712	#02-5593	#03-5552	#04-5626	#05-5715	#06-5709	#07-5691	#08-5360	#09-5324	#10-5575
#11-5544	#12-5337	#13-5572	#14-5379	#15-5336	#16-5292	#17-5465	#18-5624	#19-5340	#20-5633
#21-5640	#22-5333	#23-5329	#24-5371	#25-5482	#26-5511	#27-5375	#28-5659	#29-5655	#30-5524
#31-5714	#32-5363	#33-5288	#34-5319	#35-5530	#36-5361	#37-5341	#38-5637	#39-5427	#40-5619
#41-5359	#42-5431	#43-5690	#44-5447	#45-5454	#46-5647	#47-5452	#48-5567	#49-5261	#50-5306
#51-5311	#52-5351	#53-5282	#54-5322	#55-5509	#56-5472	#57-5505	#58-5565	#59-5426	#60-5394
#61-5301	#62-5555	#63-5422	#64-5459	#65-5266	#66-5486	#67-5354	#68-5533	#69-5428	#70-5374
#71-5263	#72-5364	#73-5648	#74-5277	#75-5589	#76-5342	#77-5644	#78-5467	#79-5652	#80-5539
#81-5331	#82-5534	#83-5307	#84-5581	#85-5583	#86-5439	#87-5587	#88-5443	#89-5380	#90-5384
#91-5275	#92-5720	#93-5556	#94-5435	#95-5631	#96-5498	#97-5608	#98-5701	#99-5268	#100-5516

Type 6 #2 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5607	#02-5358	#03-5581	#04-5455	#05-5583	#06-5642	#07-5333	#08-5474	#09-5558	#10-5628
#11-5608	#12-5377	#13-5374	#14-5456	#15-5429	#16-5498	#17-5674	#18-5713	#19-5512	#20-5545
#21-5565	#22-5496	#23-5705	#24-5623	#25-5281	#26-5282	#27-5462	#28-5261	#29-5262	#30-5693
#31-5293	#32-5562	#33-5312	#34-5424	#35-5652	#36-5724	#37-5378	#38-5669	#39-5359	#40-5465
#41-5547	#42-5480	#43-5392	#44-5592	#45-5431	#46-5704	#47-5626	#48-5383	#49-5549	#50-5619
#51-5439	#52-5448	#53-5675	#54-5361	#55-5682	#56-5423	#57-5550	#58-5430	#59-5322	#60-5589
#61-5585	#62-5295	#63-5314	#64-5529	#65-5479	#66-5546	#67-5382	#68-5567	#69-5435	#70-5350
#71-5475	#72-5481	#73-5413	#74-5575	#75-5482	#76-5603	#77-5394	#78-5398	#79-5372	#80-5540
#81-5291	#82-5680	#83-5280	#84-5488	#85-5286	#86-5252	#87-5620	#88-5346	#89-5527	#90-5397
#91-5610	#92-5487	#93-5597	#94-5574	#95-5412	#96-5627	#97-5451	#98-5259	#99-5700	#100-5672

Type 6 #3 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5688	#02-5583	#03-5445	#04-5436	#05-5648	#06-5450	#07-5713	#08-5657	#09-5456	#10-5591
#11-5352	#12-5328	#13-5398	#14-5347	#15-5717	#16-5580	#17-5384	#18-5610	#19-5343	#20-5308
#21-5686	#22-5718	#23-5391	#24-5636	#25-5500	#26-5576	#27-5624	#28-5378	#29-5644	#30-5565
#31-5670	#32-5305	#33-5541	#34-5323	#35-5394	#36-5486	#37-5433	#38-5422	#39-5327	#40-5281
#41-5465	#42-5404	#43-5386	#44-5385	#45-5518	#46-5589	#47-5477	#48-5420	#49-5297	#50-5317
#51-5373	#52-5606	#53-5614	#54-5252	#55-5590	#56-5303	#57-5524	#58-5598	#59-5551	#60-5584
#61-5262	#62-5616	#63-5645	#64-5512	#65-5325	#66-5678	#67-5480	#68-5396	#69-5532	#70-5312
#71-5596	#72-5471	#73-5563	#74-5255	#75-5501	#76-5707	#77-5712	#78-5397	#79-5683	#80-5597
#81-5497	#82-5547	#83-5423	#84-5651	#85-5320	#86-5529	#87-5633	#88-5274	#89-5454	#90-5453
#91-5513	#92-5337	#93-5514	#94-5523	#95-5664	#96-5626	#97-5355	#98-5543	#99-5267	#100-5506

Type 6 #4 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5276	#02-5298	#03-5273	#04-5415	#05-5610	#06-5404	#07-5626	#08-5389	#09-5368	#10-5348
#11-5598	#12-5585	#13-5254	#14-5399	#15-5296	#16-5487	#17-5661	#18-5328	#19-5583	#20-5270
#21-5268	#22-5300	#23-5514	#24-5413	#25-5701	#26-5447	#27-5696	#28-5392	#29-5706	#30-5605
#31-5634	#32-5539	#33-5502	#34-5384	#35-5584	#36-5568	#37-5675	#38-5313	#39-5395	#40-5366
#41-5464	#42-5394	#43-5510	#44-5374	#45-5617	#46-5388	#47-5418	#48-5685	#49-5722	#50-5488
#51-5508	#52-5439	#53-5530	#54-5607	#55-5417	#56-5700	#57-5367	#58-5717	#59-5676	#60-5621
#61-5637	#62-5601	#63-5327	#64-5484	#65-5533	#66-5319	#67-5679	#68-5629	#69-5397	#70-5673
#71-5556	#72-5662	#73-5473	#74-5375	#75-5558	#76-5698	#77-5468	#78-5644	#79-5301	#80-5526
#81-5600	#82-5275	#83-5405	#84-5494	#85-5318	#86-5620	#87-5419	#88-5724	#89-5471	#90-5443
#91-5320	#92-5478	#93-5705	#94-5511	#95-5340	#96-5253	#97-5402	#98-5652	#99-5321	#100-5361

Type 6 #5 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5636	#02-5607	#03-5475	#04-5306	#05-5481	#06-5584	#07-5251	#08-5623	#09-5323	#10-5288
#11-5388	#12-5345	#13-5286	#14-5576	#15-5657	#16-5328	#17-5289	#18-5308	#19-5459	#20-5397
#21-5451	#22-5363	#23-5591	#24-5720	#25-5395	#26-5296	#27-5608	#28-5465	#29-5492	#30-5709
#31-5454	#32-5489	#33-5364	#34-5512	#35-5655	#36-5437	#37-5561	#38-5418	#39-5351	#40-5398
#41-5404	#42-5383	#43-5669	#44-5660	#45-5408	#46-5649	#47-5650	#48-5586	#49-5688	#50-5434
#51-5494	#52-5311	#53-5336	#54-5538	#55-5368	#56-5407	#57-5555	#58-5303	#59-5620	#60-5615
#61-5522	#62-5462	#63-5414	#64-5272	#65-5291	#66-5302	#67-5683	#68-5659	#69-5587	#70-5450
#71-5361	#72-5449	#73-5540	#74-5379	#75-5267	#76-5592	#77-5525	#78-5654	#79-5268	#80-5375
#81-5473	#82-5300	#83-5668	#84-5567	#85-5350	#86-5287	#87-5396	#88-5447	#89-5262	#90-5501
#91-5511	#92-5486	#93-5452	#94-5545	#95-5642	#96-5381	#97-5536	#98-5674	#99-5448	#100-5610

Type 6 #6 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5427	#02-5643	#03-5591	#04-5426	#05-5719	#06-5602	#07-5272	#08-5721	#09-5532	#10-5376
#11-5351	#12-5450	#13-5663	#14-5523	#15-5716	#16-5352	#17-5460	#18-5582	#19-5622	#20-5345
#21-5304	#22-5638	#23-5436	#24-5289	#25-5592	#26-5547	#27-5539	#28-5297	#29-5608	#30-5522
#31-5457	#32-5347	#33-5652	#34-5590	#35-5295	#36-5381	#37-5327	#38-5391	#39-5355	#40-5410
#41-5469	#42-5400	#43-5639	#44-5611	#45-5310	#46-5653	#47-5554	#48-5646	#49-5678	#50-5302
#51-5353	#52-5556	#53-5513	#54-5456	#55-5552	#56-5558	#57-5422	#58-5312	#59-5700	#60-5362
#61-5260	#62-5644	#63-5254	#64-5323	#65-5478	#66-5584	#67-5275	#68-5318	#69-5476	#70-5462
#71-5600	#72-5628	#73-5723	#74-5550	#75-5613	#76-5724	#77-5610	#78-5468	#79-5319	#80-5601
#81-5503	#82-5549	#83-5284	#84-5507	#85-5650	#86-5499	#87-5557	#88-5658	#89-5494	#90-5287
#91-5629	#92-5691	#93-5395	#94-5511	#95-5474	#96-5425	#97-5694	#98-5577	#99-5452	#100-5564

Type 6 #7 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5477	#02-5652	#03-5515	#04-5630	#05-5663	#06-5276	#07-5422	#08-5426	#09-5482	#10-5293
#11-5383	#12-5391	#13-5683	#14-5699	#15-5289	#16-5695	#17-5659	#18-5501	#19-5486	#20-5543
#21-5364	#22-5356	#23-5591	#24-5343	#25-5584	#26-5467	#27-5270	#28-5500	#29-5434	#30-5498
#31-5530	#32-5273	#33-5301	#34-5455	#35-5321	#36-5716	#37-5269	#38-5560	#39-5531	#40-5485
#41-5646	#42-5261	#43-5718	#44-5495	#45-5550	#46-5437	#47-5537	#48-5435	#49-5285	#50-5262
#51-5341	#52-5634	#53-5450	#54-5371	#55-5311	#56-5421	#57-5296	#58-5445	#59-5255	#60-5647
#61-5708	#62-5487	#63-5360	#64-5339	#65-5478	#66-5627	#67-5657	#68-5703	#69-5639	#70-5665
#71-5680	#72-5307	#73-5443	#74-5344	#75-5597	#76-5572	#77-5283	#78-5280	#79-5457	#80-5314
#81-5704	#82-5462	#83-5518	#84-5656	#85-5392	#86-5254	#87-5675	#88-5295	#89-5545	#90-5698
#91-5365	#92-5525	#93-5562	#94-5654	#95-5278	#96-5481	#97-5385	#98-5460	#99-5635	#100-5502

Type 6 #8 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5476	#02-5371	#03-5321	#04-5386	#05-5576	#06-5257	#07-5276	#08-5439	#09-5573	#10-5262
#11-5414	#12-5522	#13-5582	#14-5261	#15-5495	#16-5694	#17-5428	#18-5672	#19-5473	#20-5676
#21-5612	#22-5408	#23-5665	#24-5550	#25-5404	#26-5469	#27-5513	#28-5316	#29-5366	#30-5437
#31-5548	#32-5322	#33-5547	#34-5537	#35-5478	#36-5341	#37-5446	#38-5520	#39-5540	#40-5722
#41-5649	#42-5580	#43-5696	#44-5686	#45-5675	#46-5252	#47-5705	#48-5642	#49-5507	#50-5511
#51-5681	#52-5512	#53-5460	#54-5683	#55-5615	#56-5317	#57-5430	#58-5496	#59-5706	#60-5357
#61-5468	#62-5685	#63-5323	#64-5342	#65-5700	#66-5295	#67-5508	#68-5497	#69-5633	#70-5382
#71-5475	#72-5277	#73-5281	#74-5436	#75-5704	#76-5599	#77-5402	#78-5489	#79-5595	#80-5533
#81-5579	#82-5480	#83-5285	#84-5587	#85-5588	#86-5646	#87-5410	#88-5636	#89-5538	#90-5433
#91-5503	#92-5688	#93-5560	#94-5659	#95-5384	#96-5353	#97-5264	#98-5298	#99-5380	#100-5709

Type 6 #9 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5656	#02-5583	#03-5605	#04-5450	#05-5621	#06-5554	#07-5592	#08-5598	#09-5401	#10-5468
#11-5630	#12-5403	#13-5480	#14-5361	#15-5373	#16-5347	#17-5493	#18-5546	#19-5345	#20-5674
#21-5697	#22-5313	#23-5498	#24-5601	#25-5457	#26-5267	#27-5375	#28-5460	#29-5430	#30-5565
#31-5432	#32-5602	#33-5657	#34-5312	#35-5529	#36-5435	#37-5304	#38-5709	#39-5537	#40-5289
#41-5654	#42-5343	#43-5352	#44-5640	#45-5536	#46-5287	#47-5585	#48-5442	#49-5677	#50-5431
#51-5261	#52-5593	#53-5335	#54-5254	#55-5718	#56-5604	#57-5428	#58-5288	#59-5387	#60-5695
#61-5628	#62-5448	#63-5310	#64-5542	#65-5307	#66-5492	#67-5358	#68-5316	#69-5500	#70-5459
#71-5671	#72-5363	#73-5639	#74-5268	#75-5423	#76-5570	#77-5372	#78-5479	#79-5590	#80-5314
#81-5702	#82-5525	#83-5441	#84-5424	#85-5530	#86-5527	#87-5566	#88-5385	#89-5456	#90-5474
#91-5461	#92-5475	#93-5470	#94-5675	#95-5323	#96-5670	#97-5342	#98-5600	#99-5308	#100-5689

Type 6 #10 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5693	#02-5269	#03-5689	#04-5375	#05-5505	#06-5694	#07-5299	#08-5261	#09-5364	#10-5333
#11-5267	#12-5591	#13-5317	#14-5555	#15-5549	#16-5659	#17-5323	#18-5465	#19-5518	#20-5414
#21-5723	#22-5677	#23-5293	#24-5422	#25-5637	#26-5645	#27-5697	#28-5351	#29-5466	#30-5561
#31-5459	#32-5562	#33-5508	#34-5527	#35-5441	#36-5604	#37-5487	#38-5520	#39-5463	#40-5347
#41-5392	#42-5453	#43-5661	#44-5607	#45-5492	#46-5370	#47-5407	#48-5568	#49-5336	#50-5525
#51-5476	#52-5262	#53-5332	#54-5306	#55-5649	#56-5340	#57-5706	#58-5279	#59-5582	#60-5717
#61-5297	#62-5271	#63-5467	#64-5443	#65-5703	#66-5676	#67-5626	#68-5474	#69-5357	#70-5539
#71-5608	#72-5623	#73-5475	#74-5593	#75-5281	#76-5515	#77-5359	#78-5521	#79-5431	#80-5595
#81-5372	#82-5680	#83-5410	#84-5652	#85-5631	#86-5274	#87-5268	#88-5444	#89-5349	#90-5664
#91-5590	#92-5337	#93-5573	#94-5350	#95-5512	#96-5699	#97-5404	#98-5291	#99-5540	#100-5577

Type 6 #11 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5406	#02-5627	#03-5528	#04-5647	#05-5374	#06-5266	#07-5480	#08-5358	#09-5521	#10-5377
#11-5554	#12-5671	#13-5690	#14-5546	#15-5450	#16-5515	#17-5608	#18-5413	#19-5426	#20-5599
#21-5466	#22-5282	#23-5388	#24-5336	#25-5525	#26-5655	#27-5252	#28-5384	#29-5276	#30-5557
#31-5352	#32-5254	#33-5275	#34-5351	#35-5619	#36-5428	#37-5593	#38-5556	#39-5410	#40-5318
#41-5684	#42-5269	#43-5371	#44-5385	#45-5691	#46-5499	#47-5253	#48-5602	#49-5364	#50-5702
#51-5665	#52-5594	#53-5390	#54-5561	#55-5573	#56-5335	#57-5478	#58-5699	#59-5644	#60-5495
#61-5547	#62-5722	#63-5568	#64-5685	#65-5520	#66-5347	#67-5713	#68-5709	#69-5293	#70-5305
#71-5689	#72-5317	#73-5404	#74-5286	#75-5610	#76-5724	#77-5677	#78-5442	#79-5375	#80-5313
#81-5686	#82-5296	#83-5343	#84-5365	#85-5582	#86-5491	#87-5387	#88-5272	#89-5527	#90-5424
#91-5420	#92-5401	#93-5565	#94-5532	#95-5617	#96-5531	#97-5659	#98-5609	#99-5629	#100-5687

Type 6 #12 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5493	#02-5418	#03-5540	#04-5441	#05-5339	#06-5645	#07-5264	#08-5595	#09-5529	#10-5443
#11-5621	#12-5364	#13-5386	#14-5622	#15-5667	#16-5616	#17-5442	#18-5436	#19-5539	#20-5391
#21-5291	#22-5295	#23-5602	#24-5345	#25-5590	#26-5458	#27-5409	#28-5672	#29-5309	#30-5636
#31-5428	#32-5501	#33-5723	#34-5272	#35-5528	#36-5648	#37-5570	#38-5533	#39-5516	#40-5467
#41-5333	#42-5527	#43-5305	#44-5265	#45-5251	#46-5338	#47-5472	#48-5320	#49-5488	#50-5646
#51-5448	#52-5541	#53-5444	#54-5575	#55-5605	#56-5486	#57-5317	#58-5535	#59-5618	#60-5252
#61-5588	#62-5387	#63-5600	#64-5315	#65-5519	#66-5668	#67-5693	#68-5583	#69-5499	#70-5552
#71-5542	#72-5466	#73-5332	#74-5308	#75-5547	#76-5358	#77-5263	#78-5327	#79-5548	#80-5311
#81-5322	#82-5612	#83-5334	#84-5465	#85-5705	#86-5574	#87-5330	#88-5335	#89-5525	#90-5637
#91-5544	#92-5352	#93-5629	#94-5396	#95-5271	#96-5627	#97-5290	#98-5411	#99-5270	#100-5709

Type 6 #13 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5477	#02-5321	#03-5284	#04-5334	#05-5574	#06-5309	#07-5302	#08-5253	#09-5254	#10-5446
#11-5305	#12-5609	#13-5367	#14-5519	#15-5703	#16-5438	#17-5457	#18-5342	#19-5565	#20-5398
#21-5532	#22-5395	#23-5252	#24-5413	#25-5255	#26-5358	#27-5655	#28-5652	#29-5289	#30-5431
#31-5281	#32-5450	#33-5313	#34-5481	#35-5478	#36-5502	#37-5296	#38-5250	#39-5592	#40-5542
#41-5265	#42-5521	#43-5633	#44-5347	#45-5473	#46-5468	#47-5512	#48-5602	#49-5642	#50-5558
#51-5419	#52-5673	#53-5571	#54-5596	#55-5426	#56-5331	#57-5318	#58-5595	#59-5329	#60-5466
#61-5379	#62-5375	#63-5689	#64-5548	#65-5414	#66-5580	#67-5545	#68-5611	#69-5290	#70-5392
#71-5474	#72-5273	#73-5383	#74-5261	#75-5487	#76-5629	#77-5665	#78-5259	#79-5456	#80-5333
#81-5604	#82-5442	#83-5396	#84-5433	#85-5425	#86-5645	#87-5376	#88-5615	#89-5557	#90-5658
#91-5618	#92-5647	#93-5626	#94-5562	#95-5416	#96-5687	#97-5448	#98-5547	#99-5463	#100-5415

Type 6 #14 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5569	#02-5414	#03-5655	#04-5541	#05-5619	#06-5326	#07-5365	#08-5483	#09-5536	#10-5331
#11-5700	#12-5353	#13-5555	#14-5266	#15-5691	#16-5348	#17-5584	#18-5492	#19-5428	#20-5402
#21-5696	#22-5296	#23-5589	#24-5670	#25-5465	#26-5289	#27-5299	#28-5610	#29-5306	#30-5703
#31-5614	#32-5552	#33-5269	#34-5495	#35-5354	#36-5481	#37-5336	#38-5499	#39-5324	#40-5523
#41-5576	#42-5642	#43-5544	#44-5320	#45-5667	#46-5425	#47-5449	#48-5400	#49-5349	#50-5688
#51-5695	#52-5711	#53-5416	#54-5442	#55-5608	#56-5676	#57-5674	#58-5585	#59-5549	#60-5443
#61-5487	#62-5445	#63-5643	#64-5374	#65-5666	#66-5316	#67-5722	#68-5432	#69-5591	#70-5497
#71-5718	#72-5604	#73-5369	#74-5378	#75-5295	#76-5600	#77-5522	#78-5366	#79-5564	#80-5623
#81-5510	#82-5343	#83-5258	#84-5628	#85-5386	#86-5551	#87-5611	#88-5532	#89-5475	#90-5675
#91-5606	#92-5286	#93-5380	#94-5723	#95-5419	#96-5379	#97-5254	#98-5693	#99-5482	#100-5440

Type 6 #15 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5702	#02-5606	#03-5536	#04-5323	#05-5479	#06-5631	#07-5312	#08-5432	#09-5603	#10-5588
#11-5660	#12-5550	#13-5366	#14-5287	#15-5655	#16-5420	#17-5558	#18-5279	#19-5309	#20-5272
#21-5292	#22-5473	#23-5568	#24-5713	#25-5379	#26-5601	#27-5471	#28-5647	#29-5662	#30-5560
#31-5654	#32-5277	#33-5628	#34-5281	#35-5271	#36-5574	#37-5478	#38-5382	#39-5496	#40-5458
#41-5412	#42-5492	#43-5252	#44-5422	#45-5445	#46-5423	#47-5302	#48-5341	#49-5669	#50-5258
#51-5663	#52-5418	#53-5659	#54-5383	#55-5693	#56-5334	#57-5350	#58-5577	#59-5390	#60-5495
#61-5658	#62-5633	#63-5335	#64-5265	#65-5331	#66-5666	#67-5426	#68-5508	#69-5576	#70-5584
#71-5525	#72-5470	#73-5395	#74-5518	#75-5681	#76-5548	#77-5715	#78-5579	#79-5460	#80-5346
#81-5613	#82-5605	#83-5393	#84-5466	#85-5722	#86-5684	#87-5488	#88-5537	#89-5500	#90-5691
#91-5326	#92-5316	#93-5718	#94-5404	#95-5572	#96-5637	#97-5547	#98-5541	#99-5455	#100-5447

Type 6 #16 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5413	#02-5566	#03-5627	#04-5667	#05-5303	#06-5437	#07-5713	#08-5376	#09-5451	#10-5522
#11-5394	#12-5292	#13-5695	#14-5562	#15-5527	#16-5511	#17-5632	#18-5705	#19-5430	#20-5581
#21-5363	#22-5587	#23-5397	#24-5560	#25-5256	#26-5626	#27-5687	#28-5701	#29-5308	#30-5577
#31-5613	#32-5260	#33-5408	#34-5583	#35-5406	#36-5307	#37-5545	#38-5483	#39-5313	#40-5703
#41-5674	#42-5387	#43-5518	#44-5573	#45-5362	#46-5602	#47-5721	#48-5640	#49-5688	#50-5598
#51-5299	#52-5479	#53-5356	#54-5297	#55-5536	#56-5275	#57-5399	#58-5392	#59-5670	#60-5506
#61-5281	#62-5704	#63-5371	#64-5453	#65-5336	#66-5472	#67-5367	#68-5603	#69-5353	#70-5318
#71-5549	#72-5448	#73-5379	#74-5630	#75-5575	#76-5266	#77-5649	#78-5264	#79-5533	#80-5427
#81-5552	#82-5438	#83-5436	#84-5502	#85-5677	#86-5524	#87-5719	#88-5316	#89-5331	#90-5315
#91-5459	#92-5647	#93-5554	#94-5338	#95-5571	#96-5290	#97-5323	#98-5634	#99-5655	#100-5633

Type 6 #17 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5642	#02-5631	#03-5643	#04-5549	#05-5250	#06-5653	#07-5581	#08-5619	#09-5522	#10-5420
#11-5669	#12-5625	#13-5622	#14-5285	#15-5590	#16-5651	#17-5554	#18-5707	#19-5470	#20-5482
#21-5367	#22-5314	#23-5613	#24-5652	#25-5563	#26-5328	#27-5392	#28-5699	#29-5460	#30-5517
#31-5621	#32-5530	#33-5519	#34-5595	#35-5283	#36-5700	#37-5718	#38-5644	#39-5459	#40-5436
#41-5518	#42-5570	#43-5515	#44-5271	#45-5656	#46-5302	#47-5705	#48-5318	#49-5340	#50-5414
#51-5423	#52-5516	#53-5578	#54-5268	#55-5411	#56-5503	#57-5477	#58-5547	#59-5685	#60-5401
#61-5253	#62-5341	#63-5491	#64-5719	#65-5617	#66-5713	#67-5550	#68-5273	#69-5655	#70-5520
#71-5292	#72-5357	#73-5600	#74-5347	#75-5323	#76-5488	#77-5369	#78-5353	#79-5448	#80-5264
#81-5665	#82-5577	#83-5262	#84-5329	#85-5557	#86-5681	#87-5684	#88-5695	#89-5610	#90-5364
#91-5267	#92-5564	#93-5536	#94-5711	#95-5426	#96-5607	#97-5352	#98-5589	#99-5400	#100-5585

Type 6 #18 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5307	#02-5700	#03-5639	#04-5715	#05-5504	#06-5375	#07-5405	#08-5403	#09-5309	#10-5566
#11-5298	#12-5530	#13-5327	#14-5550	#15-5391	#16-5605	#17-5499	#18-5406	#19-5630	#20-5316
#21-5696	#22-5407	#23-5718	#24-5613	#25-5317	#26-5314	#27-5360	#28-5622	#29-5606	#30-5266
#31-5488	#32-5608	#33-5602	#34-5348	#35-5338	#36-5302	#37-5519	#38-5526	#39-5635	#40-5293
#41-5315	#42-5462	#43-5486	#44-5710	#45-5570	#46-5545	#47-5357	#48-5671	#49-5683	#50-5333
#51-5614	#52-5482	#53-5543	#54-5645	#55-5351	#56-5437	#57-5310	#58-5294	#59-5506	#60-5428
#61-5549	#62-5534	#63-5649	#64-5667	#65-5514	#66-5410	#67-5353	#68-5361	#69-5515	#70-5415
#71-5363	#72-5652	#73-5400	#74-5555	#75-5328	#76-5326	#77-5498	#78-5320	#79-5529	#80-5689
#81-5513	#82-5308	#83-5427	#84-5711	#85-5589	#86-5458	#87-5273	#88-5457	#89-5468	#90-5505
#91-5705	#92-5561	#93-5292	#94-5306	#95-5289	#96-5567	#97-5572	#98-5449	#99-5568	#100-5430

Type 6 #19 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5718	#02-5676	#03-5607	#04-5707	#05-5503	#06-5430	#07-5654	#08-5478	#09-5254	#10-5517
#11-5386	#12-5542	#13-5455	#14-5329	#15-5423	#16-5489	#17-5627	#18-5283	#19-5391	#20-5431
#21-5619	#22-5396	#23-5420	#24-5285	#25-5458	#26-5287	#27-5552	#28-5682	#29-5313	#30-5531
#31-5602	#32-5434	#33-5476	#34-5703	#35-5568	#36-5528	#37-5714	#38-5501	#39-5437	#40-5424
#41-5475	#42-5575	#43-5684	#44-5497	#45-5327	#46-5669	#47-5509	#48-5307	#49-5387	#50-5535
#51-5571	#52-5505	#53-5613	#54-5671	#55-5295	#56-5392	#57-5352	#58-5250	#59-5297	#60-5370
#61-5323	#62-5260	#63-5577	#64-5620	#65-5388	#66-5507	#67-5401	#68-5305	#69-5547	#70-5629
#71-5543	#72-5608	#73-5304	#74-5400	#75-5263	#76-5611	#77-5255	#78-5394	#79-5317	#80-5587
#81-5504	#82-5343	#83-5529	#84-5657	#85-5426	#86-5453	#87-5316	#88-5351	#89-5464	#90-5722
#91-5314	#92-5359	#93-5545	#94-5454	#95-5485	#96-5484	#97-5630	#98-5523	#99-5319	#100-5412

Type 6 #20 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5314	#02-5297	#03-5574	#04-5283	#05-5484	#06-5317	#07-5591	#08-5510	#09-5282	#10-5608
#11-5413	#12-5596	#13-5372	#14-5371	#15-5451	#16-5640	#17-5416	#18-5442	#19-5320	#20-5610
#21-5263	#22-5669	#23-5580	#24-5470	#25-5406	#26-5495	#27-5634	#28-5412	#29-5635	#30-5706
#31-5273	#32-5393	#33-5361	#34-5378	#35-5389	#36-5420	#37-5557	#38-5284	#39-5598	#40-5462
#41-5281	#42-5476	#43-5381	#44-5646	#45-5332	#46-5363	#47-5715	#48-5607	#49-5602	#50-5316
#51-5526	#52-5301	#53-5352	#54-5719	#55-5538	#56-5327	#57-5546	#58-5681	#59-5348	#60-5626
#61-5453	#62-5601	#63-5259	#64-5322	#65-5500	#66-5721	#67-5408	#68-5446	#69-5397	#70-5443
#71-5448	#72-5548	#73-5323	#74-5421	#75-5375	#76-5396	#77-5693	#78-5310	#79-5276	#80-5394
#81-5606	#82-5479	#83-5641	#84-5716	#85-5456	#86-5354	#87-5684	#88-5464	#89-5513	#90-5524
#91-5444	#92-5594	#93-5521	#94-5714	#95-5253	#96-5414	#97-5329	#98-5651	#99-5720	#100-5527

Type 6 #21 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5718	#02-5375	#03-5632	#04-5674	#05-5296	#06-5355	#07-5364	#08-5577	#09-5670	#10-5530
#11-5283	#12-5320	#13-5593	#14-5456	#15-5592	#16-5277	#17-5642	#18-5682	#19-5587	#20-5548
#21-5676	#22-5458	#23-5564	#24-5714	#25-5366	#26-5598	#27-5616	#28-5476	#29-5297	#30-5562
#31-5437	#32-5639	#33-5723	#34-5317	#35-5549	#36-5404	#37-5638	#38-5358	#39-5398	#40-5671
#41-5498	#42-5314	#43-5345	#44-5724	#45-5291	#46-5608	#47-5386	#48-5387	#49-5412	#50-5693
#51-5383	#52-5703	#53-5684	#54-5655	#55-5482	#56-5473	#57-5351	#58-5622	#59-5571	#60-5406
#61-5546	#62-5288	#63-5293	#64-5597	#65-5253	#66-5574	#67-5438	#68-5601	#69-5427	#70-5393
#71-5469	#72-5715	#73-5325	#74-5533	#75-5257	#76-5339	#77-5635	#78-5399	#79-5505	#80-5318
#81-5681	#82-5400	#83-5481	#84-5444	#85-5708	#86-5650	#87-5570	#88-5346	#89-5568	#90-5470
#91-5581	#92-5343	#93-5515	#94-5408	#95-5369	#96-5588	#97-5572	#98-5694	#99-5579	#100-5673

Type 6 #22 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5465	#02-5262	#03-5712	#04-5543	#05-5352	#06-5625	#07-5477	#08-5501	#09-5612	#10-5536
#11-5402	#12-5270	#13-5698	#14-5512	#15-5281	#16-5551	#17-5297	#18-5696	#19-5397	#20-5580
#21-5677	#22-5412	#23-5720	#24-5370	#25-5715	#26-5349	#27-5560	#28-5691	#29-5343	#30-5626
#31-5633	#32-5475	#33-5378	#34-5652	#35-5435	#36-5557	#37-5613	#38-5527	#39-5396	#40-5667
#41-5717	#42-5330	#43-5682	#44-5531	#45-5362	#46-5388	#47-5395	#48-5407	#49-5319	#50-5286
#51-5450	#52-5601	#53-5547	#54-5723	#55-5303	#56-5266	#57-5592	#58-5553	#59-5252	#60-5315
#61-5510	#62-5408	#63-5711	#64-5628	#65-5616	#66-5295	#67-5327	#68-5449	#69-5663	#70-5495
#71-5549	#72-5454	#73-5588	#74-5597	#75-5439	#76-5257	#77-5577	#78-5678	#79-5622	#80-5306
#81-5426	#82-5380	#83-5657	#84-5382	#85-5541	#86-5699	#87-5393	#88-5457	#89-5646	#90-5627
#91-5496	#92-5350	#93-5595	#94-5348	#95-5680	#96-5301	#97-5342	#98-5385	#99-5373	#100-5574

Type 6 #23 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5552	#02-5585	#03-5700	#04-5298	#05-5638	#06-5613	#07-5351	#08-5534	#09-5597	#10-5724
#11-5486	#12-5363	#13-5669	#14-5632	#15-5642	#16-5520	#17-5406	#18-5578	#19-5380	#20-5675
#21-5482	#22-5536	#23-5547	#24-5330	#25-5321	#26-5276	#27-5683	#28-5470	#29-5704	#30-5559
#31-5719	#32-5533	#33-5713	#34-5410	#35-5723	#36-5344	#37-5688	#38-5568	#39-5545	#40-5412
#41-5280	#42-5435	#43-5260	#44-5712	#45-5386	#46-5430	#47-5409	#48-5620	#49-5489	#50-5254
#51-5423	#52-5341	#53-5265	#54-5287	#55-5445	#56-5567	#57-5587	#58-5393	#59-5314	#60-5617
#61-5415	#62-5491	#63-5554	#64-5643	#65-5481	#66-5522	#67-5311	#68-5614	#69-5537	#70-5320
#71-5505	#72-5362	#73-5590	#74-5660	#75-5313	#76-5502	#77-5333	#78-5319	#79-5714	#80-5360
#81-5441	#82-5697	#83-5372	#84-5353	#85-5624	#86-5371	#87-5706	#88-5401	#89-5348	#90-5388
#91-5269	#92-5493	#93-5408	#94-5294	#95-5673	#96-5612	#97-5600	#98-5442	#99-5292	#100-5271

Type 6 #24 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5485	#02-5650	#03-5550	#04-5580	#05-5632	#06-5524	#07-5616	#08-5252	#09-5533	#10-5345
#11-5502	#12-5443	#13-5670	#14-5358	#15-5418	#16-5411	#17-5493	#18-5555	#19-5703	#20-5696
#21-5367	#22-5342	#23-5551	#24-5431	#25-5660	#26-5269	#27-5553	#28-5423	#29-5499	#30-5444
#31-5521	#32-5317	#33-5419	#34-5462	#35-5447	#36-5528	#37-5294	#38-5464	#39-5432	#40-5510
#41-5579	#42-5648	#43-5716	#44-5690	#45-5304	#46-5348	#47-5565	#48-5397	#49-5356	#50-5612
#51-5314	#52-5300	#53-5368	#54-5557	#55-5723	#56-5398	#57-5505	#58-5313	#59-5554	#60-5284
#61-5626	#62-5705	#63-5375	#64-5500	#65-5458	#66-5636	#67-5615	#68-5279	#69-5373	#70-5601
#71-5512	#72-5560	#73-5466	#74-5605	#75-5645	#76-5713	#77-5704	#78-5351	#79-5338	#80-5634
#81-5253	#82-5369	#83-5343	#84-5614	#85-5530	#86-5620	#87-5492	#88-5652	#89-5446	#90-5515
#91-5544	#92-5272	#93-5260	#94-5564	#95-5653	#96-5326	#97-5488	#98-5596	#99-5388	#100-5412

Type 6 #25 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5656	#02-5341	#03-5584	#04-5325	#05-5574	#06-5658	#07-5538	#08-5320	#09-5371	#10-5381
#11-5364	#12-5271	#13-5335	#14-5472	#15-5512	#16-5445	#17-5721	#18-5336	#19-5692	#20-5396
#21-5549	#22-5627	#23-5326	#24-5281	#25-5309	#26-5401	#27-5321	#28-5261	#29-5395	#30-5382
#31-5671	#32-5487	#33-5475	#34-5367	#35-5688	#36-5318	#37-5665	#38-5611	#39-5458	#40-5442
#41-5397	#42-5499	#43-5631	#44-5467	#45-5532	#46-5539	#47-5293	#48-5599	#49-5337	#50-5613
#51-5717	#52-5587	#53-5279	#54-5264	#55-5552	#56-5265	#57-5423	#58-5526	#59-5649	#60-5714
#61-5435	#62-5601	#63-5521	#64-5693	#65-5508	#66-5360	#67-5377	#68-5331	#69-5662	#70-5609
#71-5434	#72-5654	#73-5506	#74-5403	#75-5659	#76-5513	#77-5446	#78-5352	#79-5507	#80-5583
#81-5483	#82-5504	#83-5387	#84-5490	#85-5356	#86-5492	#87-5274	#88-5657	#89-5453	#90-5686
#91-5622	#92-5428	#93-5640	#94-5250	#95-5666	#96-5531	#97-5304	#98-5703	#99-5570	#100-5334

Type 6 #26 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5296	#02-5587	#03-5488	#04-5323	#05-5329	#06-5546	#07-5456	#08-5576	#09-5251	#10-5288
#11-5438	#12-5573	#13-5698	#14-5612	#15-5493	#16-5627	#17-5307	#18-5255	#19-5593	#20-5706
#21-5692	#22-5608	#23-5293	#24-5409	#25-5489	#26-5268	#27-5437	#28-5507	#29-5642	#30-5318
#31-5428	#32-5526	#33-5339	#34-5302	#35-5444	#36-5494	#37-5253	#38-5675	#39-5577	#40-5721
#41-5360	#42-5620	#43-5321	#44-5311	#45-5425	#46-5454	#47-5278	#48-5482	#49-5289	#50-5474
#51-5299	#52-5588	#53-5366	#54-5412	#55-5544	#56-5559	#57-5359	#58-5674	#59-5659	#60-5658
#61-5584	#62-5636	#63-5484	#64-5646	#65-5417	#66-5724	#67-5624	#68-5356	#69-5402	#70-5399
#71-5709	#72-5582	#73-5712	#74-5696	#75-5348	#76-5313	#77-5538	#78-5275	#79-5602	#80-5569
#81-5379	#82-5416	#83-5475	#84-5661	#85-5281	#86-5649	#87-5516	#88-5334	#89-5297	#90-5687
#91-5462	#92-5666	#93-5533	#94-5585	#95-5483	#96-5390	#97-5367	#98-5621	#99-5685	#100-5603

Type 6 #27 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5508	#02-5424	#03-5573	#04-5705	#05-5495	#06-5497	#07-5675	#08-5648	#09-5306	#10-5339
#11-5454	#12-5470	#13-5258	#14-5710	#15-5386	#16-5299	#17-5699	#18-5715	#19-5611	#20-5314
#21-5662	#22-5406	#23-5275	#24-5483	#25-5673	#26-5372	#27-5255	#28-5548	#29-5517	#30-5462
#31-5451	#32-5455	#33-5597	#34-5402	#35-5581	#36-5351	#37-5668	#38-5595	#39-5268	#40-5384
#41-5373	#42-5369	#43-5257	#44-5654	#45-5657	#46-5449	#47-5433	#48-5415	#49-5377	#50-5259
#51-5621	#52-5666	#53-5399	#54-5281	#55-5492	#56-5376	#57-5380	#58-5568	#59-5612	#60-5696
#61-5264	#62-5557	#63-5529	#64-5672	#65-5280	#66-5593	#67-5655	#68-5538	#69-5287	#70-5475
#71-5269	#72-5439	#73-5431	#74-5349	#75-5333	#76-5297	#77-5324	#78-5474	#79-5559	#80-5656
#81-5300	#82-5432	#83-5261	#84-5636	#85-5471	#86-5501	#87-5717	#88-5525	#89-5286	#90-5639
#91-5521	#92-5645	#93-5485	#94-5390	#95-5691	#96-5722	#97-5589	#98-5262	#99-5659	#100-5310

Type 6 #28 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5276	#02-5297	#03-5521	#04-5538	#05-5471	#06-5430	#07-5455	#08-5507	#09-5346	#10-5661
#11-5369	#12-5623	#13-5342	#14-5646	#15-5546	#16-5487	#17-5417	#18-5438	#19-5354	#20-5643
#21-5441	#22-5429	#23-5572	#24-5637	#25-5316	#26-5333	#27-5592	#28-5528	#29-5710	#30-5435
#31-5397	#32-5624	#33-5537	#34-5440	#35-5706	#36-5670	#37-5254	#38-5421	#39-5540	#40-5458
#41-5315	#42-5457	#43-5548	#44-5549	#45-5265	#46-5359	#47-5298	#48-5294	#49-5556	#50-5551
#51-5555	#52-5400	#53-5632	#54-5266	#55-5594	#56-5571	#57-5449	#58-5608	#59-5388	#60-5563
#61-5651	#62-5636	#63-5513	#64-5469	#65-5336	#66-5626	#67-5665	#68-5600	#69-5483	#70-5720
#71-5621	#72-5577	#73-5708	#74-5606	#75-5272	#76-5622	#77-5682	#78-5284	#79-5697	#80-5408
#81-5604	#82-5722	#83-5716	#84-5385	#85-5370	#86-5674	#87-5401	#88-5620	#89-5286	#90-5520
#91-5680	#92-5318	#93-5559	#94-5501	#95-5261	#96-5413	#97-5610	#98-5690	#99-5426	#100-5514

Type 6 #29 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5353	#02-5264	#03-5678	#04-5362	#05-5281	#06-5516	#07-5478	#08-5540	#09-5305	#10-5529
#11-5379	#12-5295	#13-5472	#14-5250	#15-5439	#16-5297	#17-5694	#18-5711	#19-5352	#20-5659
#21-5611	#22-5444	#23-5267	#24-5339	#25-5470	#26-5705	#27-5357	#28-5685	#29-5419	#30-5294
#31-5385	#32-5410	#33-5605	#34-5434	#35-5548	#36-5494	#37-5292	#38-5457	#39-5342	#40-5549
#41-5551	#42-5681	#43-5514	#44-5279	#45-5260	#46-5699	#47-5563	#48-5720	#49-5608	#50-5579
#51-5466	#52-5545	#53-5661	#54-5272	#55-5497	#56-5432	#57-5344	#58-5360	#59-5334	#60-5702
#61-5609	#62-5424	#63-5370	#64-5254	#65-5473	#66-5310	#67-5452	#68-5519	#69-5619	#70-5440
#71-5383	#72-5506	#73-5441	#74-5695	#75-5371	#76-5501	#77-5556	#78-5555	#79-5498	#80-5525
#81-5618	#82-5449	#83-5275	#84-5722	#85-5704	#86-5629	#87-5615	#88-5631	#89-5697	#90-5376
#91-5672	#92-5650	#93-5614	#94-5455	#95-5527	#96-5298	#97-5698	#98-5660	#99-5480	#100-5450

Type 6 #30 [Back to Summary]									
This table contains a list of 100 hop frequencies, randomly selected from 5250-5724MHz in 1MHz steps									
#01-5303	#02-5593	#03-5309	#04-5480	#05-5673	#06-5446	#07-5267	#08-5515	#09-5427	#10-5521
#11-5430	#12-5699	#13-5403	#14-5601	#15-5586	#16-5330	#17-5413	#18-5281	#19-5518	#20-5606
#21-5677	#22-5608	#23-5385	#24-5277	#25-5636	#26-5594	#27-5717	#28-5701	#29-5274	#30-5503
#31-5711	#32-5504	#33-5576	#34-5555	#35-5464	#36-5391	#37-5434	#38-5680	#39-5282	#40-5674
#41-5400	#42-5469	#43-5496	#44-5460	#45-5578	#46-5609	#47-5666	#48-5392	#49-5598	#50-5497
#51-5597	#52-5709	#53-5649	#54-5453	#55-5287	#56-5398	#57-5523	#58-5451	#59-5652	#60-5713
#61-5624	#62-5275	#63-5599	#64-5499	#65-5614	#66-5333	#67-5651	#68-5645	#69-5458	#70-5640
#71-5505	#72-5425	#73-5559	#74-5520	#75-5341	#76-5332	#77-5360	#78-5362	#79-5256	#80-5703
#81-5251	#82-5630	#83-5260	#84-5354	#85-5402	#86-5531	#87-5484	#88-5473	#89-5627	#90-5542
#91-5508	#92-5561	#93-5553	#94-5367	#95-5671	#96-5660	#97-5301	#98-5672	#99-5577	#100-5501

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