Compliance Testing, LLC
Previously Flom Test Lab
EMI, EMC, RF Testing Experts Since 1963

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Test Report

Prepared for: Ubiquiti Networks, Inc

Model: LBE-M5

Description: LiteBeam M5

Serial Number: N/A

FCC ID: SWX-LBE5M
IC: 6545A-LBE5M

To

FCC Part 15.407 DFS

And

IC RSS-247

Date of Issue: October 30, 2015

On the behalf of the applicant:	**Ubiquiti Networks, Inc** **2580 Orchard Parkway** **San Jose, CA 95131**
Attention of:	**Michael Taylor, Compliance Manager** **Ph: (408) 942-3085** **E-mail: compliance@ubnt.com**

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Project No: p14a0032

Paul Hay
Project Test Engineer

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All results contained herein relate only to the sample tested.

Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	June 24, 2015	Paul Hay	Original Document

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ILAC / A2LA

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The tests results contained within this test report all fall within our scope of accreditation, unless noted below.

Please refer to http://www.compliancetesting.com/labscope.html for current scope of accreditation.

Testing Certificate Number: **2152.01**

FCC Site Reg. #349717

IC Site Reg. #2044A-2

Non-accredited tests contained in this report:

N/A

The applicant has been cautioned as to the following

15.21 - Information to User

The user's manual or instruction manual for an intentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

15.27(a) - Special Accessories

Equipment marked to a consumer must be capable of complying with the necessary regulations in the configuration in which the equipment is marketed. Where special accessories, such as shielded cables and/or special connectors are required to enable an unintentional or intentional radiator to comply with the emission limits in this part, the equipment must be marketed with, i.e. shipped and sold with, those special accessories. However, in lieu of shipping or packaging the special accessories with the unintentional or intentional radiator, the responsible party may employ other methods of ensuring that the special accessories are provided to the consumer without an additional charge.

Information detailing any alternative method used to supply the special accessories for a grant of equipment authorization or retained in the verification records, as appropriate. The party responsible for the equipment, as detailed in § 2.909 of this chapter, shall ensure that these special accessories are provided with the equipment. The instruction manual for such devices shall include appropriate instructions on the first page of text concerned with the installation of the device that these special accessories must be used with the device. It is the responsibility of the user to use the needed special accessories supplied with the equipment.

Standard Test Conditions Engineering Practices

Except as noted herein, the following conditions and procedures were observed during the testing:

In accordance with ANSI C63.10-2013 and unless otherwise indicated in the specific measurement results, the ambient temperature of the actual EUT was maintained within the range of 10° to 40°C (50° to 104°F) unless the particular equipment requirements specified testing over a different temperature range. Also, unless otherwise indicated, the humidity levels were in the range of 10% to 90% relative humidity.

Measurement results, unless otherwise noted, are worst-case measurements.

Environmental Conditions		
Temperature (ºC)	**Humidity (%)**	**Pressure (mbar)**
24.2 – 25.3	33.7 – 44.9	965.5 – 967.7

EUT Description
Model: LBE-M5
Description: LiteBeam M5
Firmware: N/A
Software: N/A
Serial Number: N/A

Accessories: None

Cables: None

Modifications: None

EUT Specifications	15.407
Equipment Code	NII
FCC ID	SWX-LBE5M
IC ID	6545A-LBE5M
System Architecture	IP based
Model(s)Tested	LBE-M5
Model(s) Covered	LBE-M5
Maximum Output Power	25.3dBm
Frequency Ranges covered	5250-5350MHz and 5470-5725MHz
EUT temperature range	-40C to 80C
Bandwidths	10/20/30/40MHz
Data Rates	6, 9, 12, 18, 24, 36, 48, 54, MCS0, MCS1, MCS2, MCS3, MCS4, MCS5, MCS6, MCS7, MCS8, MCS9
Modulations	BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM

EUT Description

1. The operating frequency range(s) of the equipment is:
   - U-NII-1 (5150-5250 MHz)
   - U-NII-2A (5250-5350 MHz)
   - U-NII-2C (5470-5725 MHz)
   - U-NII-3 (5725-5850 MHz)

2. This device operates as a master and/or client. When in Master mode, the device may be configured in WDS repeater mode.

3. This device is being tested for DFS as a Master. This device has radar detection in both Master and Client modes.

4. The highest and lowest possible power level (EIRP) of the equipment is:
   a. 28 dBm – highest possible EIRP
   b. -38 dBm – lowest possible EIRP

5. All antennas to be used with the product are in the table below:

No.	Manufacturer	Part #	Antenna Type	Peak Gain
1	Ubiquiti	LBE-AC Omni	OMNI	6
2	Ubiquiti	LBE-AC Dish	Dish	23

6. Conducted testing performed on Port F37

7. The test report includes power tables for the minimum gain antenna and for each antenna assembly. Both antenna ports were tested

8. The antenna assembly gain used to set the DFS detection threshold level was 6, based on the lowest gain antenna.

9. The DFS Detection Threshold was set to: -58

10. See Annex A of the report for the list of the output power range and the maximum EIRP for each antenna assembly.

11. The antenna connector is 50 Ohms

12. Antenna gain measurement verification is not applicable for the tested antenna.

13. Test sequences used for channel loading:
    - Channel loading was achieved by streaming the FCC test video over UDP from a laptop connected to the master, to a laptop connected to the client.
    - The streaming was managed using a network testing tool, called iPerf, which transmitted the video repeatedly for the duration of the testing.
    - The video was not displayed.
    - Channel loading was controlled by limiting the bandwidth (a configuration option on the iPerf tool).

14. The test file was streamed from the Master Device to the Client Device using UDP/IP

15. The channel loading methodology is described below:
    - Channel loading was achieved by streaming the FCC test video over UDP from a laptop connected to the master, to a laptop connected to the client.

- The streaming was managed using a network testing tool, called iPerf, which transmitted the video repeatedly for the duration of the testing.
- The video was not displayed.
- Channel loading was controlled by limiting the bandwidth (a configuration option on the iPerf tool).

16. Transmit Power Control description:
    - The device ALWAYS operates within the limits of the grant's power tables.
    - Software limits the maximum conducted output power based upon the product, antenna type, antenna gain, channel width, and frequency.
    - The professional installer has a maximum power setting on the user interface which may be used to REDUCE the power level below the maximum allowed.
        - If the professional installer specifies a maximum power setting which is GREATER THAN the maximum allowed under the grant for the current conditions (product, antenna type, antenna gain, channel width, and frequency), then this SETTING HAS NO EFFECT.
        - Should the frequency change to one where the professional installer's specified maximum is LESS THAN the maximum conducted power level on the grant, then the lesser setting would take effect.
        - This allows the professional installer to limit the conducted output power across multiple frequencies which have different conducted power limits. This applies to client mode devices which are scanning for masters across frequencies, master mode devices which change frequencies after radar detection, master modes with automatic channel selection, etc.

17. System architecture:
    - The system is IP based.

18. The device takes 30-31 seconds from connecting power until the start of the CAC.

19. Manufacturer declaration:
    - Information regarding the parameters of the detected radar waveforms is not available to the professional installer or an end user.
    - In order to obtain detailed parameters of detected radar waveforms, the product must be specially provisioned by Ubiquiti for DFS/FCC testing.

20. Channel selection:
    - The professional installer may configure a master device to start on a specific frequency, or choose "auto" to have the software select the best frequency automatically.
    - The professional installer may also block channels from use, including DFS channels, through the use of a frequency list.
    - The frequency list is a pre-determined list of frequencies that the device may operate on.
    - By simply omitting any frequency they so choose, the professional installer can block that frequency.
    - The frequency list may either be entered from a keyboard or a selection GUI. In the frequency list selection GUI. In the GUI, checkboxes for DFS channels are tagged with the suffix, "(DFS)", to indicate that DFS is required for those frequencies.

Test Results Summary

Specification	Description of Test	Pass, Fail, N/A	Comments
UNII Detection Bandwidth	Radar detection across frequency spectrum	Pass	
Performance Requirements Check	Initial Channel Availability Check Time (CAC)	Pass	
	Radar Burst at the Beginning of the CAC	Pass	
	Radar Burst at the end of the CAC	Pass	
Performance Requirements Check	Channel Move Time	Pass	
	Channel Closing Transmission Time	Pass	
	Non-Occupancy Period	Pass	
In-service Monitoring	Statistical Performance Check	Pass	

References	Description
KDB 905462 D02	UNII DFS Compliance Procedures New Rules v01r02
CFR47, Part 15, Subpart E	Unlicensed Nation Information Infrastructure Devices (U-NII)
ANSI C63.10-2013	American National standard for testing Unlicensed Wireless Devices
ISO/IEC 17025:2005	General requirements for the Competence of Testing and Calibrations Laboratories
KDB 644545 D03	Guidance for IEEE 802 11ac New Rules
KDB 789033 D02	General U-NII Test Procedures New Rules V01
KDB 926956 D01	U-NII transition Plan
RSS-247	Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and License-Exempt Local Area Network (LE-LAN) Devices

Requirement	Operational Mode		
	Master	Client Without Radar Detection	Client With Radar Detection
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Requirement	Operational Mode	
	Master Device or Client with Radar Detection	Client Without Radar Detection
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 (Section 7.8.4) 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.		

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral 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.
Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

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.

Radar Type	Pulse Width (µsec)	PRI (µsec)	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/Test B	See 905462 D02	60%	30
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 Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.

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

Note: The center frequency for each of the 30 trials of the Bin 5 radar is randomly selected within 80% of the Occupied Bandwidth.

Each waveform is defined as follows:

1. The transmission period for the Long Pulse Radar test signal is 12 seconds.
2. There are a total of 8 to 20 Bursts in the 12 second period, with the number of Bursts being randomly chosen. This number is Burst Count.
3. Each Burst consists of 1 to 3 pulses, with the number of pulses being randomly chosen. Each Burst within the 12 second sequence may have a different number of pulses.
4. The pulse width is between 50 and 100 microseconds, with the pulse width being randomly chosen. Each pulse within a Burst will have the same pulse width. Pulses in different Bursts may have different pulse widths.
5. Each pulse has a linear frequency modulated chirp between 5 and 20MHz, 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 radar frequency of 5300MHz and a 20MHz chirped signal, the chirp starts at 5290MHz and ends at 5310MHz.
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 random time interval between the first and second pulses is chosen independently of the random time interval 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 randomly.

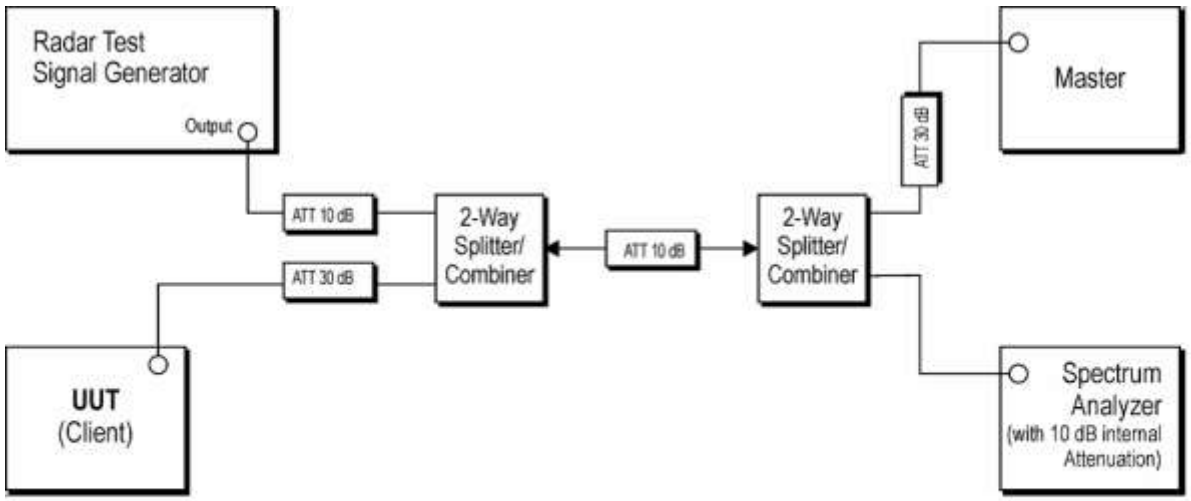
A representative example of a Long Pulse Radar Type waveform:

1. The total test waveform length is 12 seconds.
2. Eight (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).

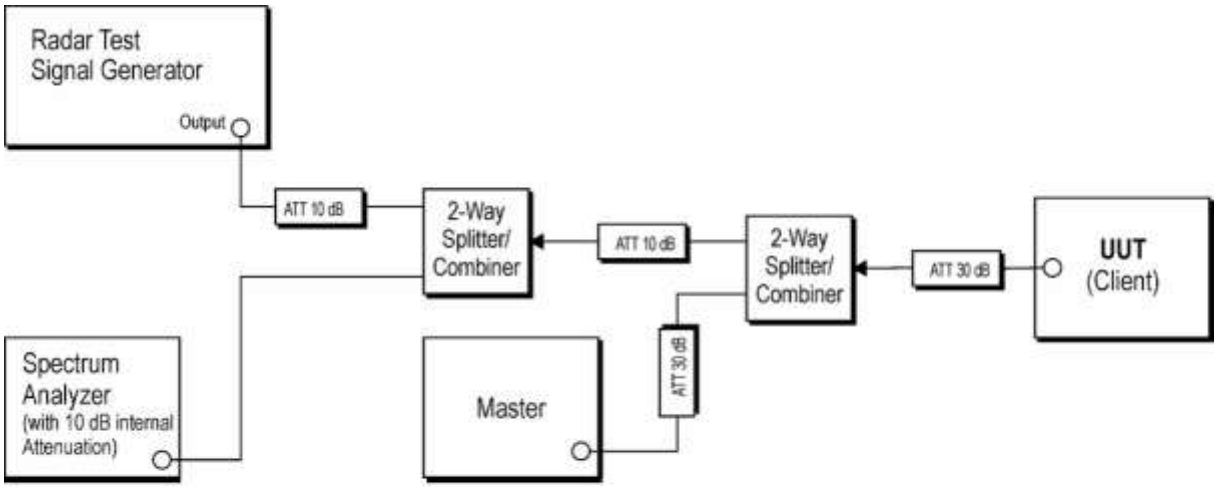
Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250 – 5724MHz. 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.

Conducted Setup for Master with injection at the Master

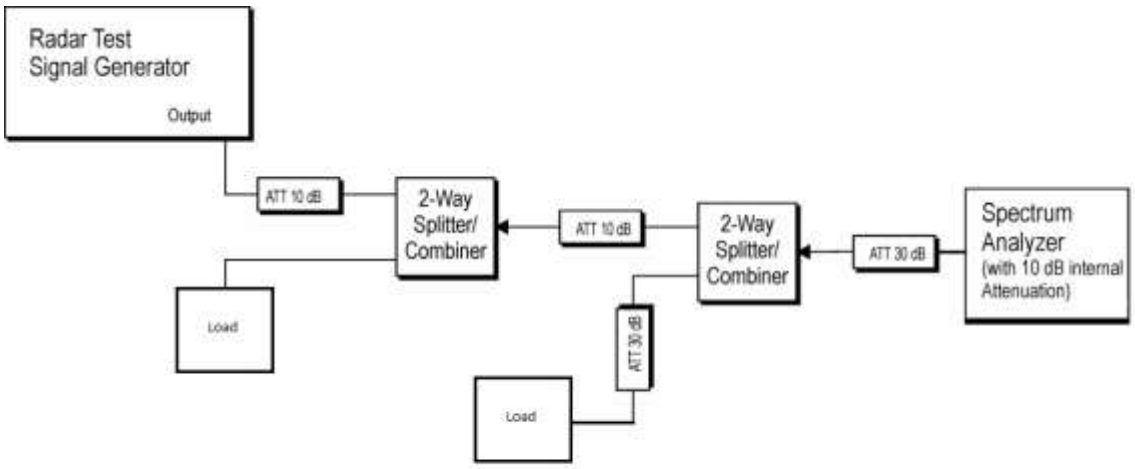


Conducted Setup for Client with injection at the Client

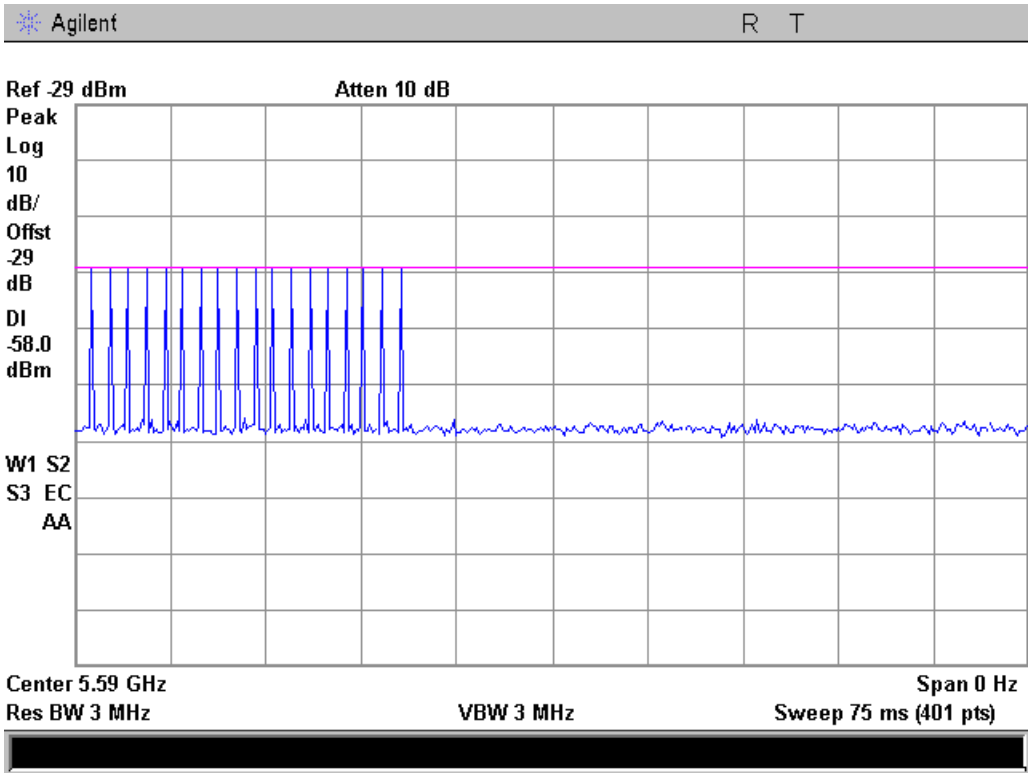


Radar Waveform Calibration

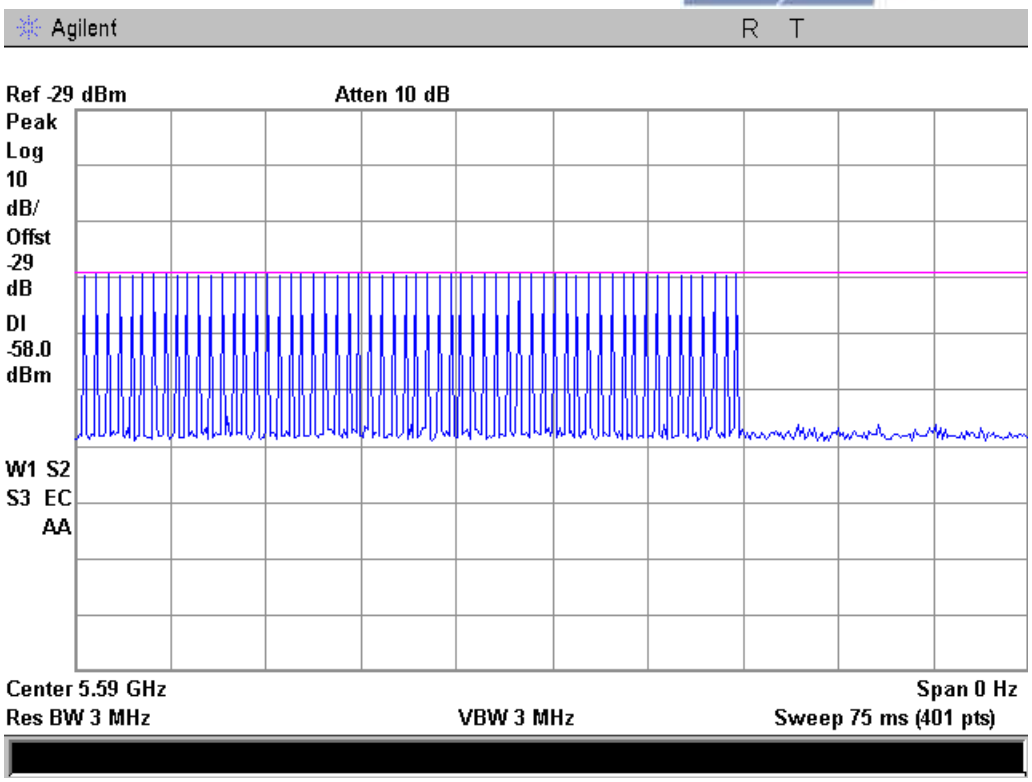
The equipment was setup per the diagram below. The amplitude of each wave form adjusted to compensate for the lowest antenna gain used with the EUT.



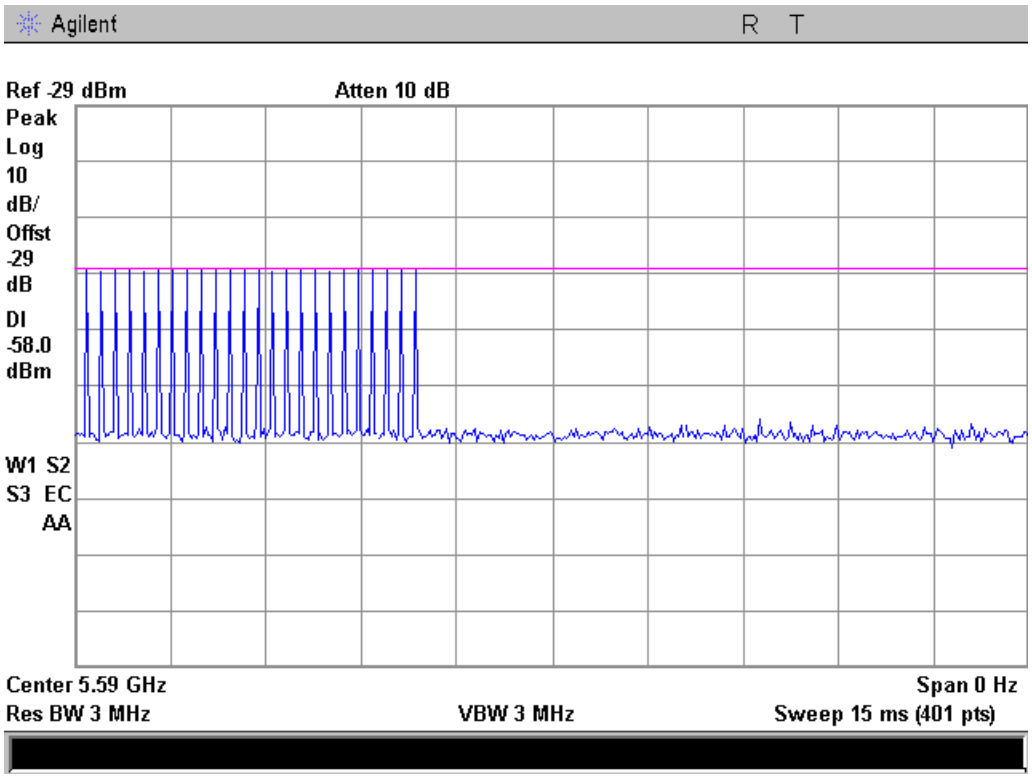
Waveform Calibration Test Setup Diagram



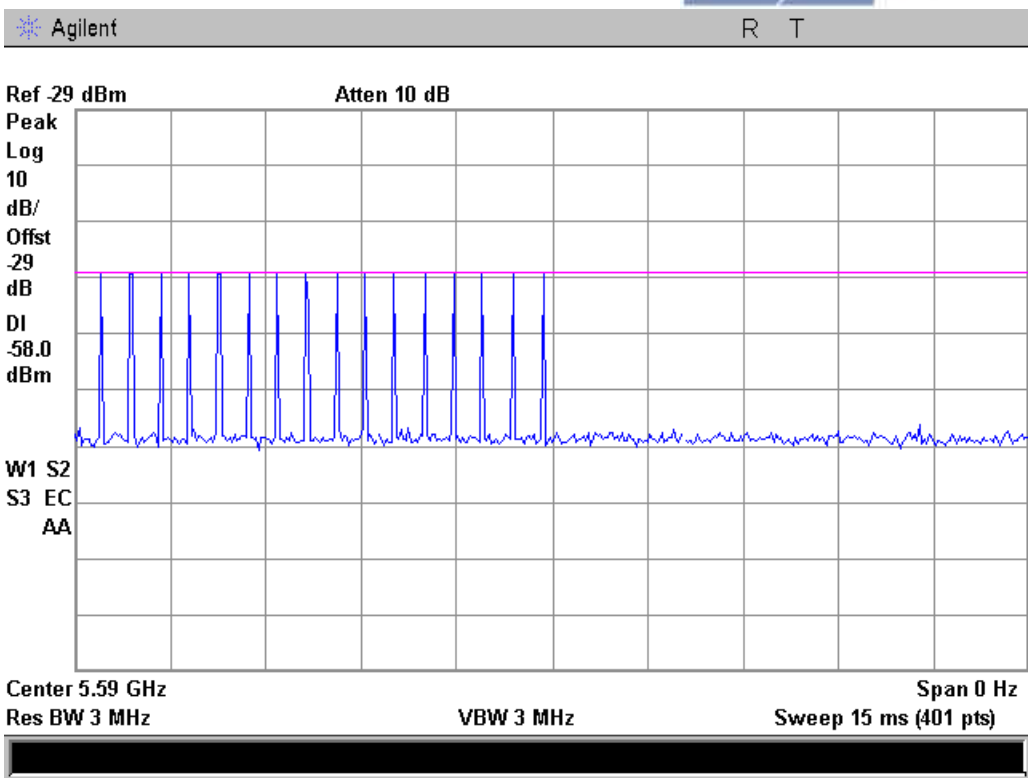
Bin 0


Agilent
R T
Ref -29 dBm
Atten 10 dB
Peak
Log
10
dB/
Offst
-29
dB
Dl
-58.0
dBm
W1 S2
S3 EC
AA
Center 5.59 GHz
Span 0 Hz
Res BW 3 MHz
VBW 3 MHz
Sweep 75 ms (401 pts)

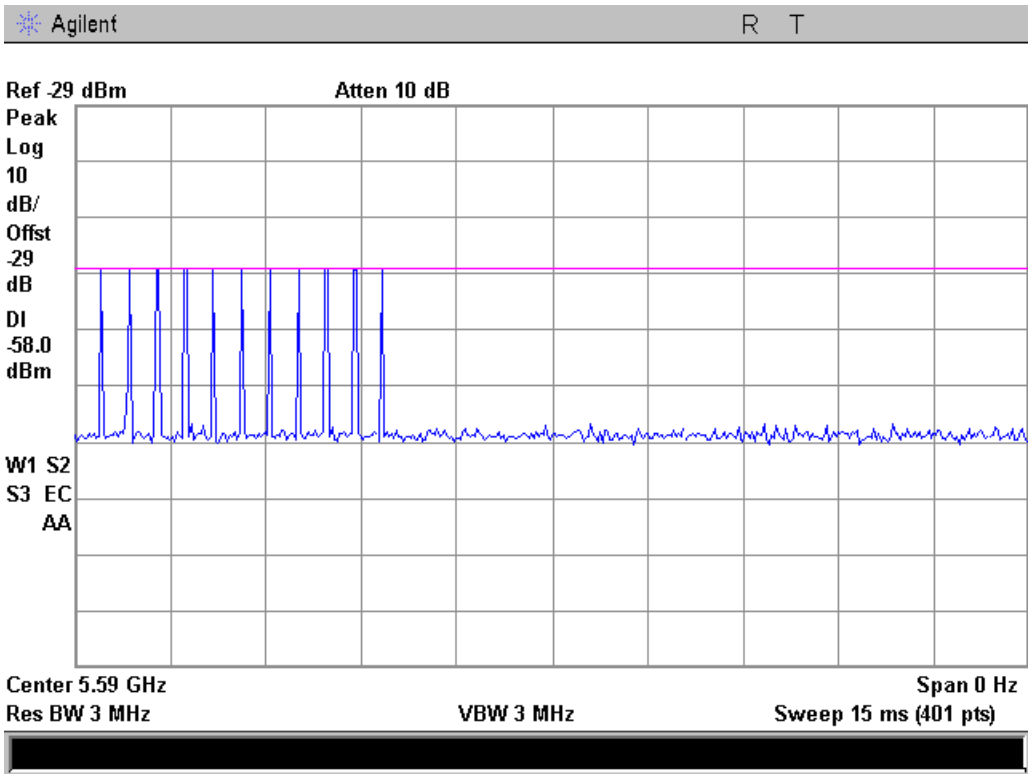
Bin 1


Agilent
R T
Ref -29 dBm
Atten 10 dB
Peak
Log
10
dB/
Offst
-29
dB
Dl
-58.0
dBm
W1 S2
S3 EC
AA
Center 5.59 GHz
Span 0 Hz
Res BW 3 MHz
VBW 3 MHz
Sweep 15 ms (401 pts)

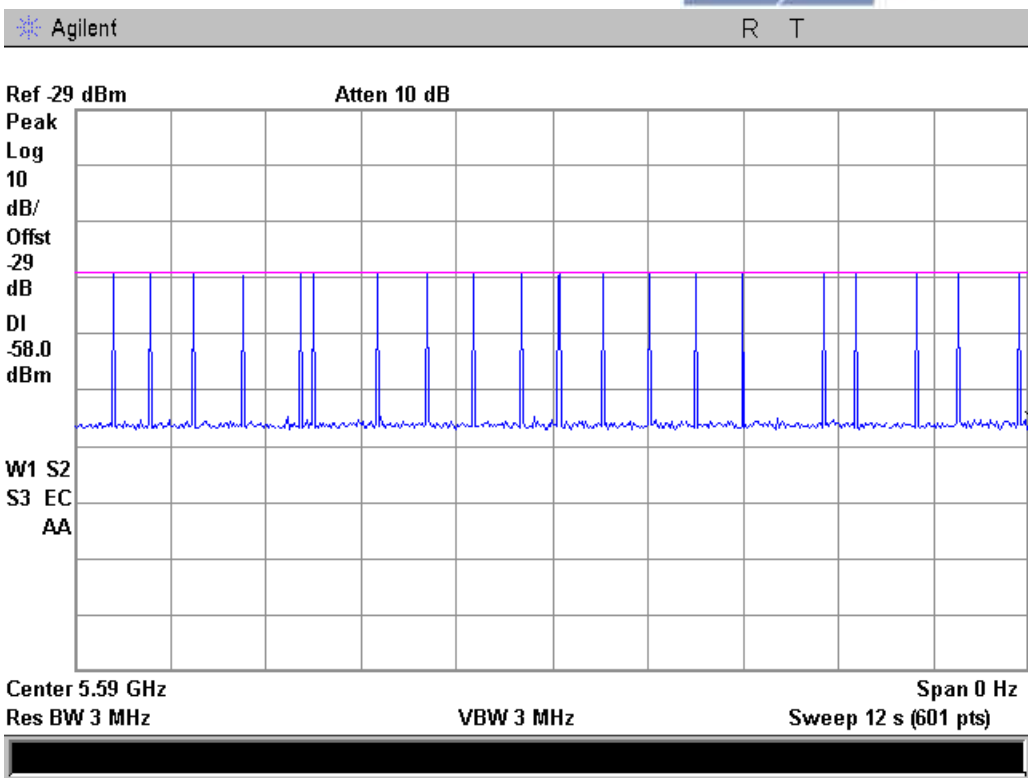
Bin 2


Agilent
R T
Ref -29 dBm
Atten 10 dB
Peak
Log
10
dB/
Offst
-29
dB
Dl
-58.0
dBm
W1 S2
S3 EC
AA
Center 5.59 GHz
Span 0 Hz
Res BW 3 MHz
VBW 3 MHz
Sweep 15 ms (401 pts)

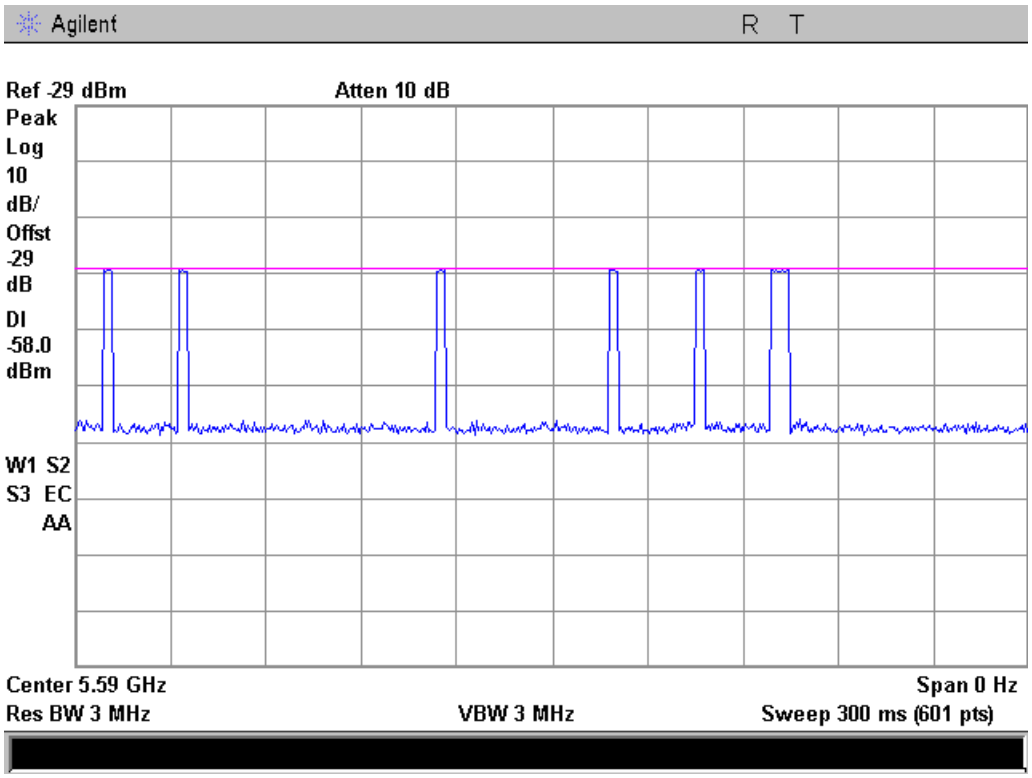
Bin 3


Agilent
R T
Ref -29 dBm
Atten 10 dB
Peak
Log
10
dB/
Offst
-29
dB
Dl
-58.0
dBm
W1 S2
S3 EC
AA
Center 5.59 GHz
Span 0 Hz
Res BW 3 MHz
VBW 3 MHz
Sweep 15 ms (401 pts)

Bin 4


Agilent
R T
Ref -29 dBm
Atten 10 dB
Peak
Log
10
dB/
Offst
-29
dB
Dl
-58.0
dBm
W1 S2
S3 EC
AA
Center 5.59 GHz
Span 0 Hz
Res BW 3 MHz
VBW 3 MHz
Sweep 12 s (601 pts)

Bin 5


Agilent
R T
Ref -29 dBm
Atten 10 dB
Peak
Log
10
dB/
Offst
-29
dB
Dl
-58.0
dBm
W1 S2
S3 EC
AA
Center 5.59 GHz
Span 0 Hz
Res BW 3 MHz
VBW 3 MHz
Sweep 300 ms (601 pts)

Bin 6

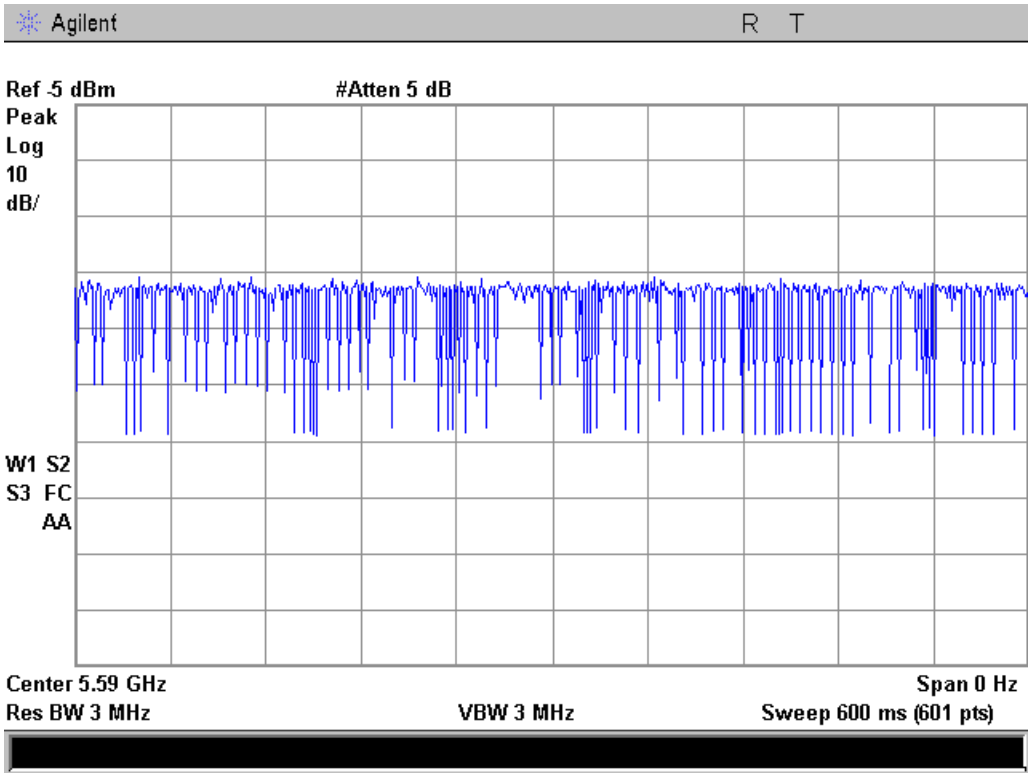
Channel Loading
Engineer: Paul Hay
Test Date: 6/22/15

Test Requirements

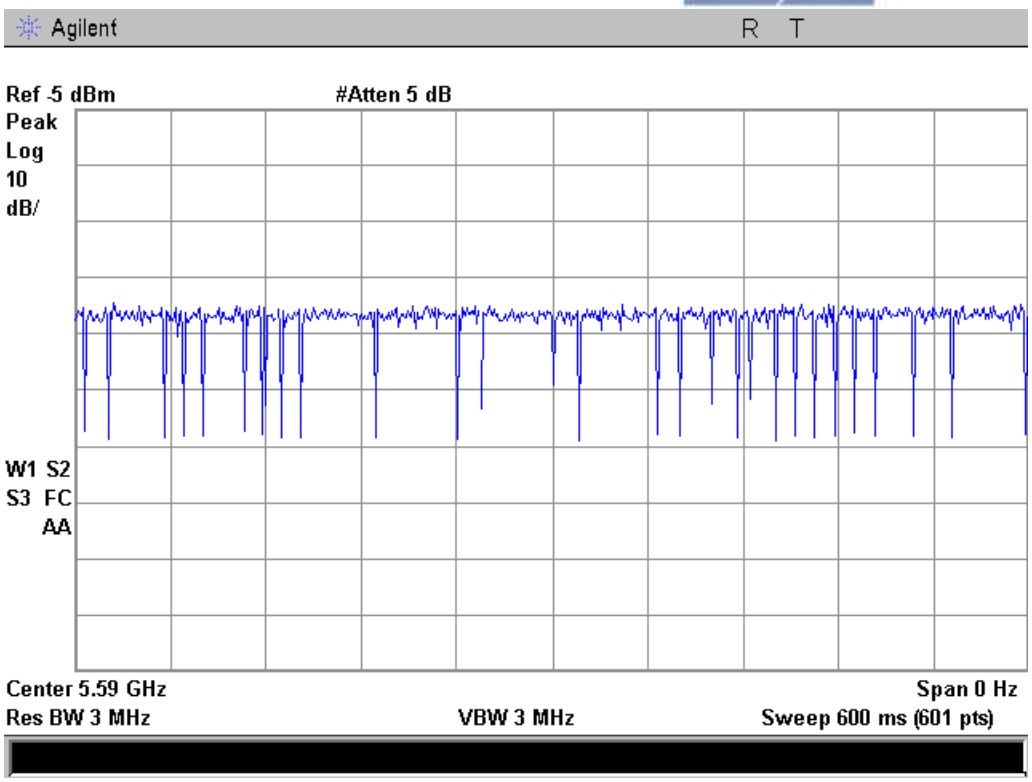
System testing will be performed with channel-loading using means appropriate to the data types that are used by the unlicensed device. The following requirements apply:
a) The data file must be of a type that is typical for the device (i.e., MPEG-2, MPEG-4, WAV, MP3, MP4, AVI, etc.) and must generally be transmitting in a streaming mode.
b) Software to ping the client is permitted to simulate data transfer but must have random ping intervals.
c) Timing plots are required with calculations demonstrating a minimum channel loading of approximately 17% or greater. For example, channel loading can be estimated by setting the spectrum analyzer for zero span and approximate the Time On/ (Time On + Off Time). This can be done with any appropriate channel BW and modulation type.

Test Procedure

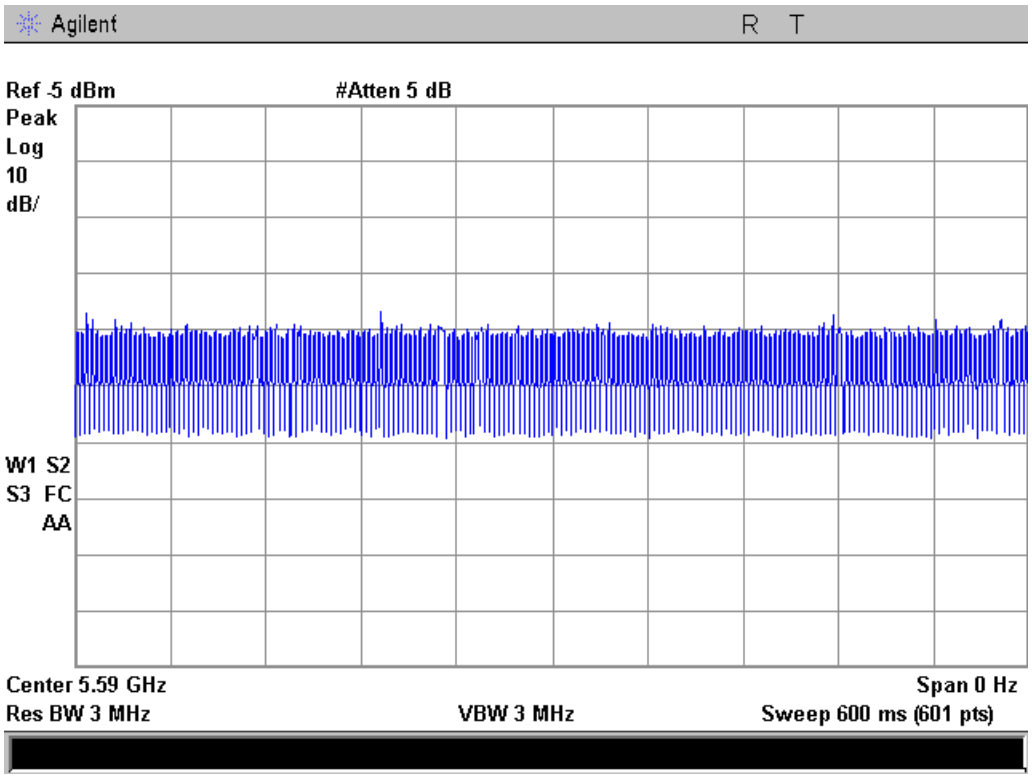
The data file is streamed from the master to the client. The spectrum analyzer is set to 3MHz RBW and 3MHz VBW with a sweep time of 600ms. The plots below show the traffic for each bandwidth tested.



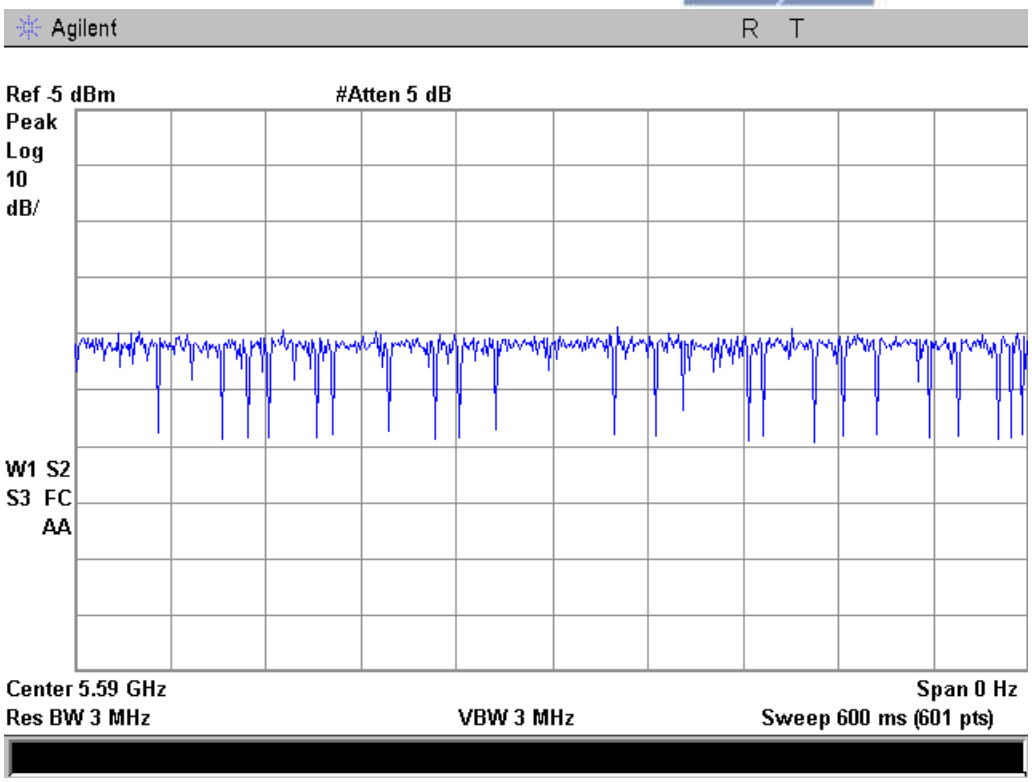
10MHz Traffic



20MHz Traffic



30MHz Traffic



40MHz Traffic

U-NII Detection Bandwidth

Engineer: Paul Hay

Test Date: 6/22/15

Test Requirements

The U-NII Detection Bandwidth must meet the U-NII Detection Bandwidth criterion as specified in 905462. Otherwise, the EUT does not comply with DFS requirements. In the case that the U-NII Detection Bandwidth is greater than or equal to the 99 percent power bandwidth for the measured F_H and F_L, the test can be truncated and the U-NII Detection Bandwidth can be reported as the measured F_H and F_L.

Test Procedure

The EUT was setup as a standalone device with no associated client and with no traffic. A single radar burst of types 0-4 was injected into the EUT at the center frequency of the channel and the response noted. A minimum of 10 trials was performed. The frequency of the radar signal was then decreased in 5MHz steps until the detection fell below the U-NII detection criterion. The frequency was then increased 5MHz and then decreased in 1MHz steps until the detection rate began to fall. This was noted as $F_{L.}$ This was repeated on the other side of the center of the carrier and the frequency noted as F_H

The U-NII Detection Bandwidth was calculated as follows:

$$\text{U-NII Detection Bandwidth} = F_H - F_L$$

Bandwidths (MHz)	FH (MHz)	FL (MHz)	FH-FL (MHz)	99% BW (MHz)	Delta (MHz)
10	5595	5585	10	9.2	0.8
20	5600	5580	20	18.0	2.0
30	5605	5575	30	27.1	2.9
40	5610	5570	40	36.4	3.6

See Annex A for Statistical Data Results

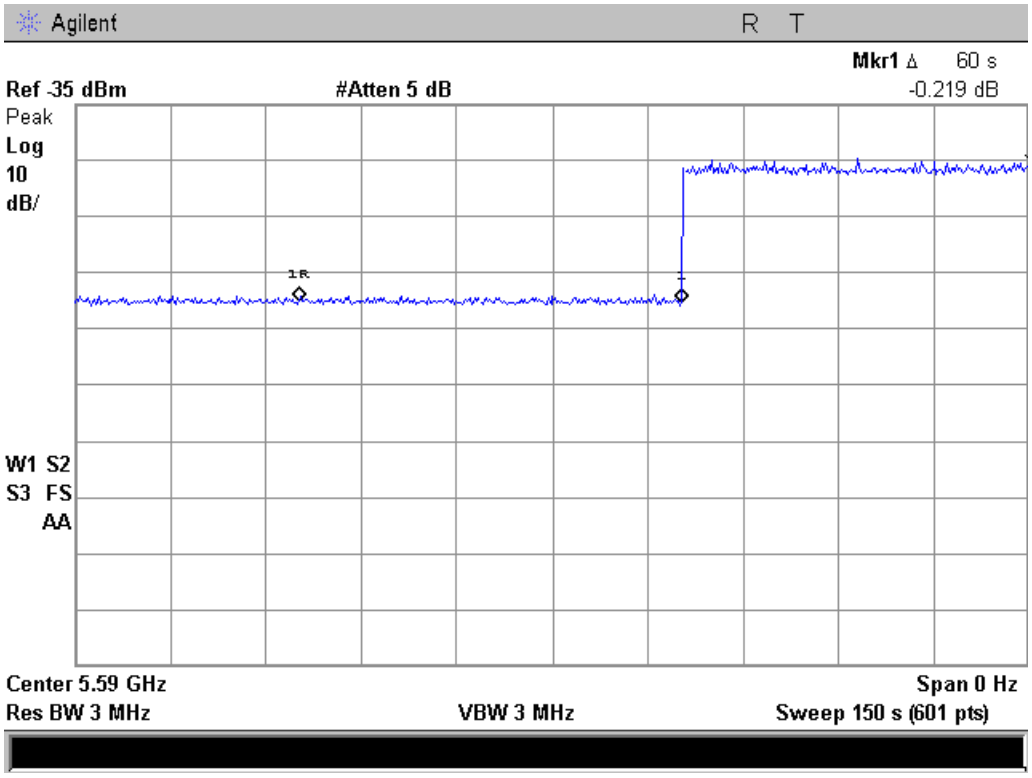
Initial CACT
Engineer: Paul Hay
Test Date: 6/22/15

Initial Channel Availability Check Time criteria

Definition
The Initial Channel Availability Check Time tests that the EUT does not emit beacon, 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.

Test Procedure
The monitoring spectrum analyzer was set to a zero span with a 3 MHz RBW and a 3 MHz VBW with a sweep time of 2.5 minutes. The EUT was powered on and instructed to operate on the appropriate U-NII Channel that incorporates DFS functions. At the same time the EUT was powered on the spectrum analyzer was triggered to sweep.

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



CACT

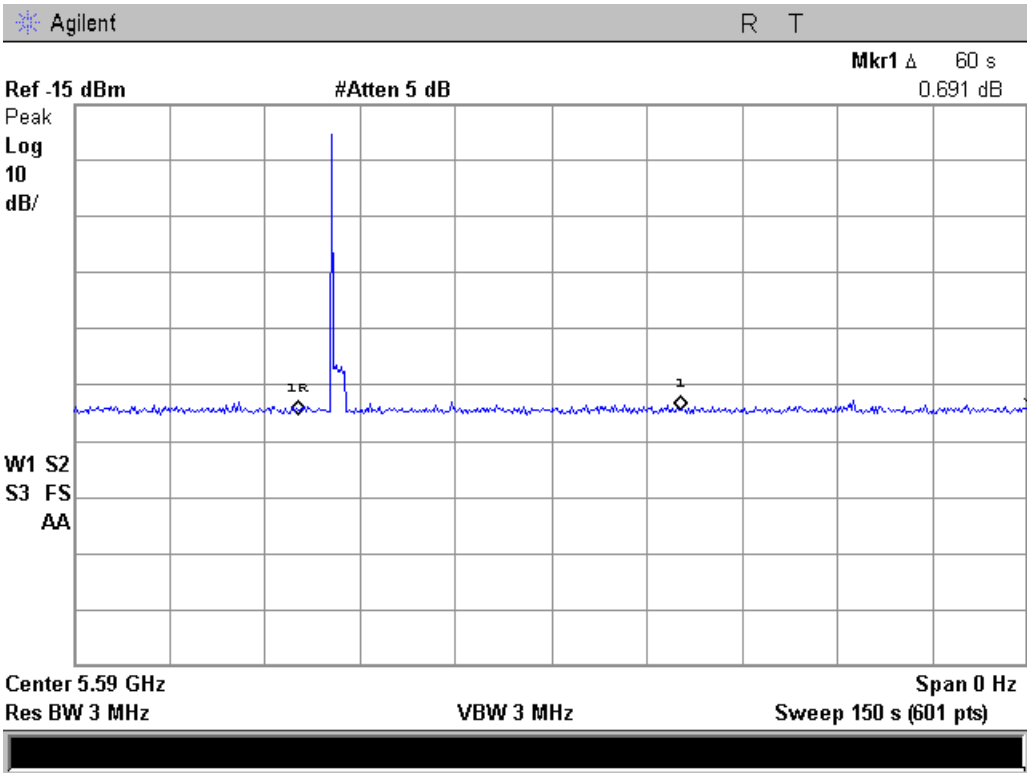
Radar Burst at the Beginning of the Channel Availability Check Time

Definition
The Radar Burst at the Beginning of the Channel Availability Check Time is to verify successful radar detection on the test channel during a period equal to the channel availability check time. A radar burst equal to the DFS detection threshold + 1dB is used.

Test Procedure
The monitoring spectrum analyzer was set to a zero span with a 3 MHz RBW and a 3 MHz VBW with a sweep time of 2.5 minutes. The EUT was powered on and instructed to operate on the appropriate U-NII Channel that incorporates DFS functions. At the same time the EUT was powered on the spectrum analyzer was triggered to sweep.

A single Burst of one of the Short Pulse Radar Types 0-4 was commenced within a 6 second window starting at the beginning of the channel availability check time. An additional 1 dB was added to the radar test signal to ensure it was at or above the DFS Detection Threshold.

Requirement
During the 2.5 minute measurement window the EUT will not transmit on that channel.



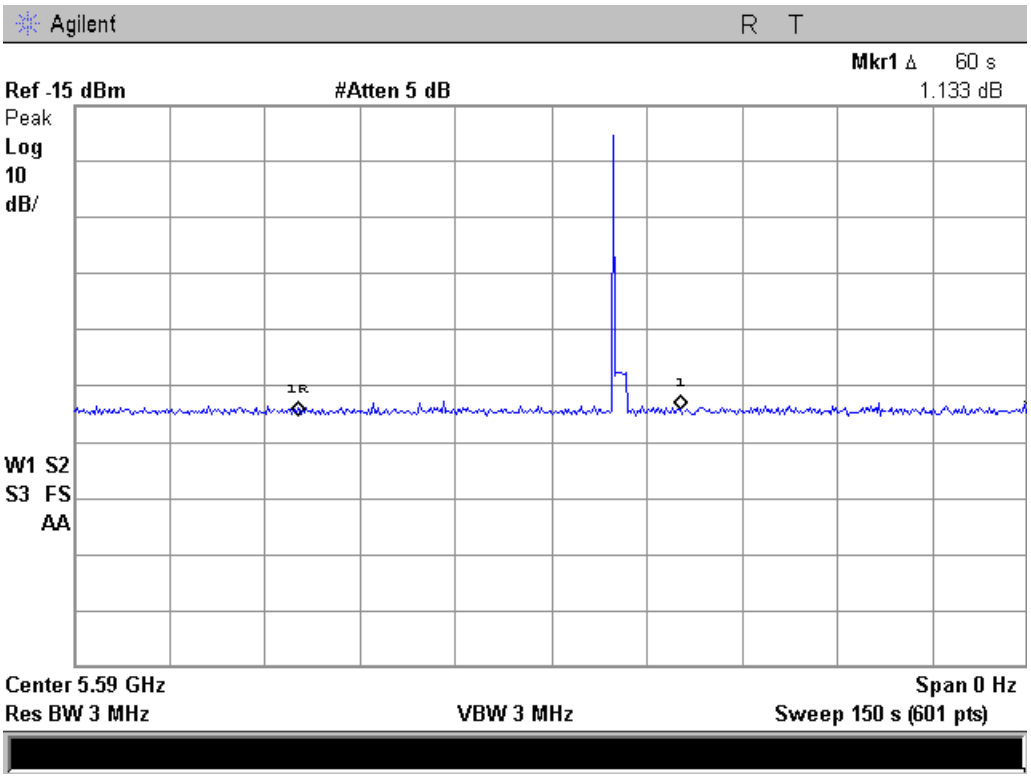
Burst at beginning of CACT

Radar Burst at the End of the Channel Availability Check Time

Definition
The Radar Burst at the End of the Channel Availability Check Time is to verify successful radar detection on the test channel during a period equal to the channel availability check time. A radar burst equal to the DFS detection threshold + 1dB is used.

Test Procedure
A single Burst of one of the Short Pulse Radar Types 0-4 was commenced within a 6 second window after the startup routine + 54 seconds. An additional 1 dB was added to the radar test signal to ensure it was at or above the DFS Detection Threshold.

Requirement
During the 2.5 minute measurement window the EUT will not transmit on that channel.



Burst at end of CACT

In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period
These tests define how the following DFS parameters are verified during In-Service Monitoring;
- Channel Closing Transmission Time
- Channel Move Time
- Non-Occupancy Period

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 + 1dB is generated on the Operating Channel of the U-NII device (In- Service Monitoring).

a. One frequency will be chosen from the Operating Channels of the EUT within the 5250-5350MHz or 5470-5725MHz bands. For 802.11 devices, the test frequency must contain control signals. This can be verified by disabling channel loading and monitoring the spectrum analyzer. If no control signals are detected, another frequency must be selected within the emission bandwidth where control signals are detected.

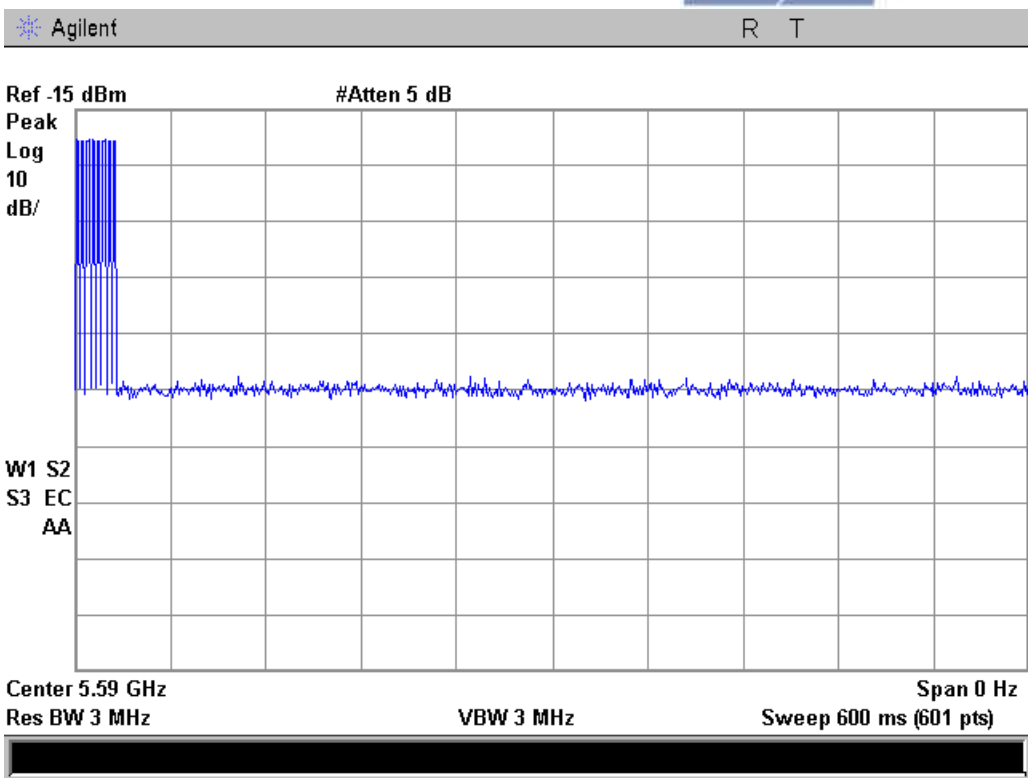
b. In case the EUT is a U-NII device operating as a Client Device (with or without DFS), a U-NII device operating as a Master Device will be used to allow the EUT (Client device) to Associate with the Master Device. In case the EUT is a Master Device, a U-NII device operating as a Client Device will be used and it is assumed that the Client will associate with the EUT (Master). In both cases for conducted tests, the Radar Waveform generator will be connected to the Master Device. Stream the channel loading test file from the Master Device to the Client Device on the test Channel for the entire period of the test.

c. At time T0 the Radar Waveform generator sends a Burst of pulses for one of the Radar Type 0. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.

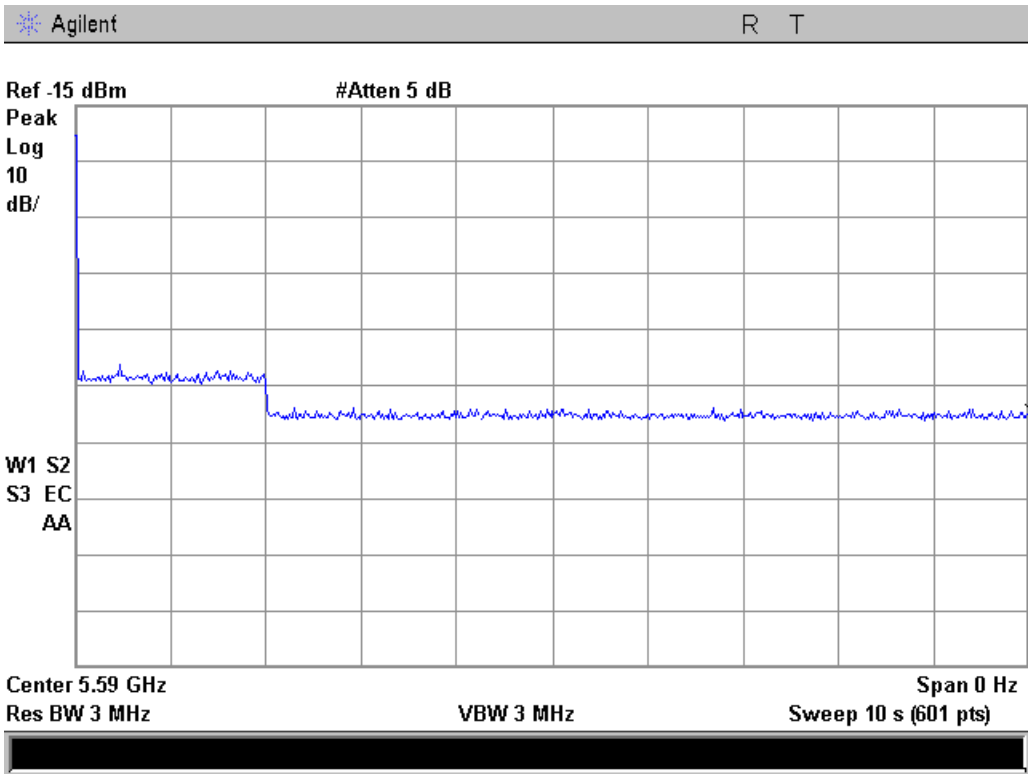
d. Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the EUT during the observation time (Channel Move Time). Measure and record the Channel Move Time and Channel Closing Transmission Time if radar detection occurs.

e. When operating as a Master Device, monitor the EUT for more than 30 minutes following instant T2 to verify that the EUT does not resume any transmissions on this Channel. Perform this test once and record the measurement result.

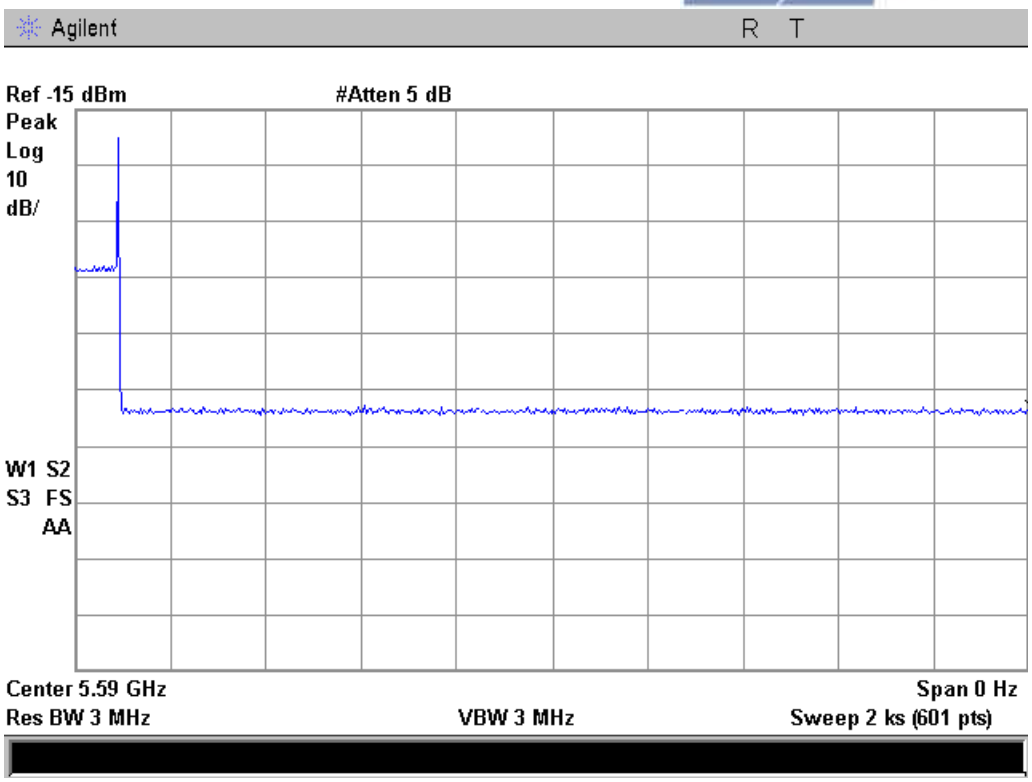
f. In case the EUT is a U-NII device operating as a Client Device with In-Service Monitoring, perform steps a) to f).



Channel Close



Channel Move



30min non-occupancy

Statistical Performance Check

The steps below define the procedure to determine the minimum percentage of successful detection requirements when a radar burst with a level equal to the DFS Detection Threshold + 1dB is generated on the Operating Channel of the U-NII device (In- Service Monitoring).

a) One frequency will be chosen from the Operating Channels of the EUT within the 5250-5350MHz or 5470-5725MHz bands.

b) In case the EUT is a U-NII device operating as a Client Device (with or without Radar Detection), a U-NII device operating as a Master Device will be used to allow the EUT (Client device) to Associate with the Master Device. In case the EUT is a Master Device, a U-NII device operating as a Client Device will be used and it is assumed that the Client will associate with the EUT 905462 D02 UNII DFS Compliance Procedures New Rules v01r02 Page 37 (Master). In both cases for conducted tests, the Radar Waveform generator will be connected to the Master Device. Stream the channel loading test file from the Master Device to the Client Device on the test Channel for the entire period of the test.

c) At time T0 the Radar Waveform generator sends the individual waveform for each of the Radar Types 1- 6 on the Operating Channel. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.

d) Observe the transmissions of the EUT at the end of the Burst on the Operating Channel for duration greater than 10 seconds for Radar Type 0 to ensure detection occurs.

e) Observe the transmissions of the EUT at the end of the Burst on the Operating Channel for duration greater than 22 seconds for Long Pulse Radar Type 5 to ensure detection occurs.

f) In case the EUT is a U-NII device operating as a Client Device with In-Service Monitoring, perform steps a) to f).

See Annex B for Statistical Data Results

Short Pulse Radar Test Summary

Once the performance requirements check is complete, 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 trials. The percentage of successful detection is calculated by:

$$\frac{\text{Total Waveform Detections}}{\text{Total Waveform Trials}} = \text{Percentage of Successful Detection Radar Waveform N} = P_dN$$

In addition an aggregate minimum percentage of successful detection across all Short Pulse Radar Types 1-4 is required and is calculated as follows:

$$\frac{Pd1 + Pd2 + Pd3 + Pd4}{4}$$

10MHz Bandwidth

Radar Type	Number of Trials	Number of Successful Detections	Minimum Percentage of Successful Detection
1	30	29	96.7%
2	30	30	100%
3	30	25	83.3%
4	30	30	100%
Aggregate (96.7% + 100% + 83.3% + 100%)/4 = 95.0%			

20MHz Bandwidth

Radar Type	Number of Trials	Number of Successful Detections	Minimum Percentage of Successful Detection
1	30	29	96.7%
2	30	30	100%
3	30	30	100%
4	30	30	100%
Aggregate (96.7% + 100% + 100% + 100%)/4 = 99.2%			

30MHz Bandwidth

Radar Type	Number of Trials	Number of Successful Detections	Minimum Percentage of Successful Detection
1	30	29	96.7%
2	30	30	100%
3	30	30	100%
4	30	30	100%
Aggregate (96.7% + 100% + 100% + 100%)/4 = 99.2%			

40MHz Bandwidth

Radar Type	Number of Trials	Number of Successful Detections	Minimum Percentage of Successful Detection
1	30	30	100%
2	30	30	100%
3	30	30	100%
4	30	30	100%
Aggregate (100% + 100% + 100% + 100%)/4 = 100%			

See Annex C for Bins 1-4 used for all Bandwidth tests

Long Pulse Radar Test

Statistical data will be gathered to determine the ability of the device to detect the Long Pulse Radar Type 5. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trials. The percentage of successful detection is calculated by:

$$\frac{\text{Total Waveform Detections}}{\text{Total Waveform Trials}} \text{ x } 100$$

10MHz Bandwidth

Radar Type	Number of Trials	Number of Successful Detections	Minimum Percentage of Successful Detection
5	30	26	86.7%

20MHz Bandwidth

Radar Type	Number of Trials	Number of Successful Detections	Minimum Percentage of Successful Detection
5	30	25	83.3%

30MHz Bandwidth

Radar Type	Number of Trials	Number of Successful Detections	Minimum Percentage of Successful Detection
5	30	29	96.7%

40MHz Bandwidth

Radar Type	Number of Trials	Number of Successful Detections	Minimum Percentage of Successful Detection
5	30	24	80.0%

See Annex D for Bin 5 used for all Bandwidth tests

Frequency Hopping Radar Test

Statistical data will be gathered to determine the ability of the device to detect the Frequency Hopping radar test signal. The probability of successful detection is calculated by:

$$\frac{\text{Total Waveform Detections}}{\text{Total Waveform Trials}} \times 100$$

10MHz Bandwidth

Radar Type	Number of Trials	Number of Successful Detections	Minimum Percentage of Successful Detection
6	30	30	100%

20MHz Bandwidth

Radar Type	Number of Trials	Number of Successful Detections	Minimum Percentage of Successful Detection
6	30	30	100%

30MHz Bandwidth

Radar Type	Number of Trials	Number of Successful Detections	Minimum Percentage of Successful Detection
6	30	29	96.7%

40MHz Bandwidth

Radar Type	Number of Trials	Number of Successful Detections	Minimum Percentage of Successful Detection
6	30	30	100%

Test Equipment Utilized

Description	Manufacturer	Model #	CT Asset #	Last Cal Date	Cal Due Date
Spectrum Analyzer	Keysight	E4445A	i00471		
PXI housing	National Instruments	PXI-1042	i00443	N/A	N/A
Imbedded Controller	National Instruments	PXI-8106		N/A	N/A
RF Up-converter	National Instruments	PXI-5610		N/A	N/A
Arbitrary wave form generator	National Instruments	PXI-5421		N/A	N/A
Signal Generator	Aeroflex	PXI-3025		N/A	N/A
RF Synthesizer	Aeroflex	PXI-3010		N/A	N/A
Pre-amp	Hewlett Packard	8449A	i00028	N/A	N/A
Combiner/Splitter	Mini-Circuits	ZX10R-14-S	N/A	N/A	N/A
Mixer	Mini-Circuits	ZX05-83LH-S	N/A	N/A	N/A

END OF TEST REPORT

EUT Frequency- 5590MHz with 10MHz											
	DFS Detection Trials (1=Detection, 0= No Detection)										
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5585	1	1	1	1	1	1	1	1	1	1	100%
5586											
5587											
5588											
5589											
5590	1	1	1	1	1	1	1	1	1	1	100%
5591											
5592											
5593											
5594											
5595	1	1	1	1	1	1	1	1	1	1	100%
Detection Bandwidth = f_h - f_l = 5595MHz-5585MHz = 10MHz											

EUT Frequency- 5590MHz with 20MHz											
	DFS Detection Trials (1=Detection, 0= No Detection)										
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5580	1	1	1	1	1	1	1	1	1	1	100%
5581											
5582											
5583											

5584											
5585	1	1	1	1	1	1	1	1	1	1	100%
5586											
5587											
5588											
5589											
5590	1	1	1	1	1	1	1	1	1	1	100%
5591											
5592											
5593											
5594											
5595	1	1	1	1	1	1	1	1	1	1	100%
5596											
5597											
5598											
5599											
5600	1	1	1	1	1	1	1	1	1	1	100%
Detection Bandwidth = f_h - f_l = 5600MHz-5580MHz = 20MHz											

EUT Frequency- 5590MHz with 30MHz											
	DFS Detection Trials (1=Detection, 0= No Detection)										
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5575	1	1	1	1	1	1	1	1	1	1	100%
5576											
5577											
5578											
5579											
5580	1	1	1	1	1	1	1	1	1	1	100%
5581											
5582											
5583											
5584											
5585	1	1	1	1	1	1	1	1	1	1	100%
5586											
5587											
5588											
5589											
5590	1	1	1	1	1	1	1	1	1	1	100%
5591											
5592											
5593											
5594											
5595	1	1	1	1	1	1	1	1	1	1	100%
5596											
5597											
5598											

5599											
5600	1	1	1	1	1	1	1	1	1	1	100%
5601											
5602											
5603											
5604											
5605	1	1	1	1	1	1	1	1	1	1	100%
Detection Bandwidth = f_h - f_l = 5605MHz-5575MHz = 30MHz											

EUT Frequency- 5590MHz with 40MHz

	DFS Detection Trials (1=Detection, 0= No Detection)										
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5570	1	1	1	1	1	1	1	1	1	1	100%
5571											
5572											
5573											
5574											
5575	1	1	1	1	1	1	1	1	1	1	100%
5576											
5577											
5578											
5579											
5580	1	1	1	1	1	1	1	1	1	1	100%
5581											
5582											
5583											
5584											
5585	1	1	1	1	1	1	1	1	1	1	100%
5586											
5587											
5588											
5589											
5590	1	1	1	1	1	1	1	1	1	1	100%
5591											
5592											
5593											
5594											
5595	1	1	1	1	1	1	1	1	1	1	100%
5596											

5597											
5598											
5599											
5600	1	1	1	1	1	1	1	1	1	1	100%
5601											
5602											
5603											
5604											
5605	1	1	1	1	1	1	1	1	1	1	100%
5606											
5607											
5608											
5609											
5610	1	1	1	1	1	1	1	1	1	1	100%

Detection Bandwidth = f_h - f_l = 5610MHz-5570MHz = 40MHz

40MHz Bandwidth				
Radar Type	Trial #	Detection Yes/No	Trial #	Detection Yes/No
1	1	Y	16	Y
	2	Y	17	Y
	3	Y	18	Y
	4	Y	19	Y
	5	Y	20	Y
	6	Y	21	Y
	7	Y	22	Y
	8	Y	23	Y
	9	Y	24	Y
	10	Y	25	Y
	11	Y	26	Y
	12	Y	27	Y
	13	Y	28	Y
	14	Y	29	Y
	15	Y	30	Y
Percentage of Detection required: 60%			Total percentage detected: 100%	

30MHz Bandwidth				
Radar Type	Trial #	Detection Yes/No	Trial #	Detection Yes/No
1	1	Y	16	Y
	2	Y	17	Y
	3	Y	18	Y
	4	Y	19	Y
	5	Y	20	Y
	6	Y	21	Y
	7	Y	22	Y
	8	Y	23	Y
	9	Y	24	Y
	10	Y	25	Y
	11	Y	26	Y
	12	Y	27	Y
	13	Y	28	Y
	14	Y	29	Y
	15	Y	30	N
Percentage of Detection required: 60%			Total percentage detected: 96.7%	

20MHz Bandwidth				
Radar Type	Trial #	Detection Yes/No	Trial #	Detection Yes/No
1	1	Y	16	Y
	2	Y	17	Y
	3	Y	18	Y
	4	Y	19	Y
	5	Y	20	Y
	6	Y	21	Y
	7	Y	22	Y
	8	Y	23	Y
	9	Y	24	Y
	10	Y	25	Y
	11	Y	26	Y
	12	Y	27	Y
	13	Y	28	Y
	14	Y	29	Y
	15	Y	30	N
Percentage of Detection required: 60%			Total percentage detected: 96.7%	

10MHz Bandwidth				
Radar Type	Trial #	Detection Yes/No	Trial #	Detection Yes/No
1	1	Y	16	Y
	2	Y	17	N
	3	Y	18	Y
	4	Y	19	Y
	5	Y	20	Y
	6	Y	21	Y
	7	Y	22	Y
	8	Y	23	Y
	9	Y	24	Y
	10	Y	25	Y
	11	Y	26	Y
	12	Y	27	Y
	13	Y	28	Y
	14	Y	29	Y
	15	Y	30	Y
Percentage of Detection required: 60%			Total percentage detected: 96.7%	

40MHz Bandwidth				
Radar Type	Trial #	Detection Yes/No	Trial #	Detection Yes/No
2	1	Y	16	Y
	2	Y	17	Y
	3	Y	18	Y
	4	Y	19	Y
	5	Y	20	Y
	6	Y	21	Y
	7	Y	22	Y
	8	Y	23	Y
	9	Y	24	Y
	10	Y	25	Y
	11	Y	26	Y
	12	Y	27	Y
	13	Y	28	Y
	14	Y	29	Y
	15	Y	30	Y
Percentage of Detection required: 60%		Total percentage detected: 100%		

30MHz Bandwidth				
Radar Type	Trial #	Detection Yes/No	Trial #	Detection Yes/No
2	1	Y	16	Y
	2	Y	17	Y
	3	Y	18	Y
	4	Y	19	Y
	5	Y	20	Y
	6	Y	21	Y
	7	Y	22	Y
	8	Y	23	Y
	9	Y	24	Y
	10	Y	25	Y
	11	Y	26	Y
	12	Y	27	Y
	13	Y	28	Y
	14	Y	29	Y
	15	Y	30	Y
Percentage of Detection required: 60%		Total percentage detected: 100%		

20MHz Bandwidth				
Radar Type	Trial #	Detection Yes/No	Trial #	Detection Yes/No
2	1	Y	16	Y
	2	Y	17	Y
	3	Y	18	Y
	4	Y	19	Y
	5	Y	20	Y
	6	Y	21	Y
	7	Y	22	Y
	8	Y	23	Y
	9	Y	24	Y
	10	Y	25	Y
	11	Y	26	Y
	12	Y	27	Y
	13	Y	28	Y
	14	Y	29	Y
	15	Y	30	Y
Percentage of Detection required: 60%		Total percentage detected: 100%		

10MHz Bandwidth				
Radar Type	Trial #	Detection Yes/No	Trial #	Detection Yes/No
2	1	Y	16	Y
	2	Y	17	Y
	3	Y	18	Y
	4	Y	19	Y
	5	Y	20	Y
	6	Y	21	Y
	7	Y	22	Y
	8	Y	23	Y
	9	Y	24	Y
	10	Y	25	Y
	11	Y	26	Y
	12	Y	27	Y
	13	Y	28	Y
	14	Y	29	Y
	15	Y	30	Y
Percentage of Detection required: 60%		Total percentage detected: 100%		

40MHz Bandwidth				
Radar Type	Trial #	Detection Yes/No	Trial #	Detection Yes/No
3	1	Y	16	Y
	2	Y	17	Y
	3	Y	18	Y
	4	Y	19	Y
	5	Y	20	Y
	6	Y	21	Y
	7	Y	22	Y
	8	Y	23	Y
	9	Y	24	Y
	10	Y	25	Y
	11	Y	26	Y
	12	Y	27	Y
	13	Y	28	Y
	14	Y	29	Y
	15	Y	30	Y
Percentage of Detection required: 60%			Total percentage detected: 100%	

30MHz Bandwidth				
Radar Type	Trial #	Detection Yes/No	Trial #	Detection Yes/No
3	1	Y	16	Y
	2	Y	17	Y
	3	Y	18	Y
	4	Y	19	Y
	5	Y	20	Y
	6	Y	21	Y
	7	Y	22	Y
	8	Y	23	Y
	9	Y	24	Y
	10	Y	25	Y
	11	Y	26	Y
	12	Y	27	Y
	13	Y	28	Y
	14	Y	29	Y
	15	Y	30	Y
Percentage of Detection required: 60%			Total percentage detected: 100%	

20MHz Bandwidth				
Radar Type	Trial #	Detection Yes/No	Trial #	Detection Yes/No
3	1	Y	16	Y
	2	Y	17	Y
	3	Y	18	Y
	4	Y	19	Y
	5	Y	20	Y
	6	Y	21	Y
	7	Y	22	Y
	8	Y	23	Y
	9	Y	24	Y
	10	Y	25	Y
	11	Y	26	Y
	12	Y	27	Y
	13	Y	28	Y
	14	Y	29	Y
	15	Y	30	Y
Percentage of Detection required: 60%			Total percentage detected: 100%	

10MHz Bandwidth				
Radar Type	Trial #	Detection Yes/No	Trial #	Detection Yes/No
3	1	Y	16	Y
	2	Y	17	Y
	3	Y	18	Y
	4	Y	19	Y
	5	Y	20	Y
	6	Y	21	Y
	7	Y	22	Y
	8	Y	23	Y
	9	Y	24	Y
	10	Y	25	Y
	11	Y	26	Y
	12	Y	27	Y
	13	Y	28	Y
	14	Y	29	Y
	15	Y	30	Y
Percentage of Detection required: 60%			Total percentage detected: 100%	

40MHz Bandwidth				
Radar Type	Trial #	Detection Yes/No	Trial #	Detection Yes/No
4	1	Y	16	Y
	2	Y	17	Y
	3	Y	18	Y
	4	Y	19	Y
	5	Y	20	Y
	6	Y	21	Y
	7	Y	22	Y
	8	Y	23	Y
	9	Y	24	Y
	10	Y	25	Y
	11	Y	26	Y
	12	Y	27	Y
	13	Y	28	Y
	14	Y	29	Y
	15	Y	30	Y
Percentage of Detection required: 60%			Total percentage detected: 100%	

30MHz Bandwidth				
Radar Type	Trial #	Detection Yes/No	Trial #	Detection Yes/No
4	1	Y	16	Y
	2	Y	17	Y
	3	Y	18	Y
	4	Y	19	Y
	5	Y	20	Y
	6	Y	21	Y
	7	Y	22	Y
	8	Y	23	Y
	9	Y	24	Y
	10	Y	25	Y
	11	Y	26	Y
	12	Y	27	Y
	13	Y	28	Y
	14	Y	29	Y
	15	Y	30	Y
Percentage of Detection required: 60%			Total percentage detected: 100%	

20MHz Bandwidth				
Radar Type	Trial #	Detection Yes/No	Trial #	Detection Yes/No
4	1	Y	16	Y
	2	Y	17	Y
	3	Y	18	Y
	4	Y	19	Y
	5	Y	20	Y
	6	Y	21	Y
	7	Y	22	Y
	8	Y	23	Y
	9	Y	24	Y
	10	Y	25	Y
	11	Y	26	Y
	12	Y	27	Y
	13	Y	28	Y
	14	Y	29	Y
	15	Y	30	Y
Percentage of Detection required: 60%			Total percentage detected: 100%	

10MHz Bandwidth				
Radar Type	Trial #	Detection Yes/No	Trial #	Detection Yes/No
4	1	Y	16	Y
	2	Y	17	Y
	3	Y	18	Y
	4	Y	19	Y
	5	Y	20	N
	6	N	21	Y
	7	Y	22	Y
	8	Y	23	Y
	9	Y	24	Y
	10	Y	25	Y
	11	Y	26	Y
	12	Y	27	Y
	13	Y	28	N
	14	Y	29	Y
	15	N	30	N
Percentage of Detection required: 60%			Total percentage detected: 83.3%	

40MHz Bandwidth						
Radar Type	Frequency	Trial #	Detection Yes/No	Frequency	Trial #	Detection Yes/No
5	5603.8	1	N	5601.8	16	Y
	5580.5	2	Y	5593.8	17	Y
	5596.6	3	N	5588.3	18	Y
	5578.3	4	Y	5604.0	19	Y
	5587.8	5	Y	5600.0	20	Y
	5605.8	6	Y	5594.9	21	Y
	5597.9	7	Y	5583.3	22	N
	5576.6	8	N	5594.6	23	Y
	5576.3	9	Y	5580.4	24	Y
	5600.8	10	Y	5587.4	25	Y
	5590.0	11	Y	5583.9	26	N
	5595.3	12	Y	5594.4	27	Y
	5577.7	13	Y	5583.0	28	Y
	5588.7	14	Y	5584.3	29	Y
	5580.8	15	Y	5580.3	30	N
Percentage of Detection required: 80%			Total percentage detected: 80%			

30MHz Bandwidth						
Radar Type	Frequency	Trial #	Detection Yes/No	Frequency	Trial #	Detection Yes/No
5	5591.2	1	N	5593.1	16	Y
	5581.5	2	Y	5584.8	17	Y
	5589.0	3	Y	5589.9	18	Y
	5578.6	4	Y	5593.7	19	Y
	5579.7	5	Y	5589.6	20	Y
	5584.6	6	Y	5590.8	21	Y
	5579.0	7	Y	5598.7	22	Y
	5601.0	8	Y	5586.4	23	Y
	5599.4	9	Y	5593.4	24	Y
	5600.1	10	Y	5598.3	25	Y
	5583.9	11	Y	5596.8	26	Y
	5585.6	12	Y	5578.2	27	Y
	5593.6	13	Y	5597.5	28	Y
	5595.6	14	Y	5597.2	29	Y
	5578.1	15	Y	5587.6	30	Y
Percentage of Detection required: 80%			Total percentage detected: 96.7%			

20MHz Bandwidth						
Radar Type	Frequency	Trial #	Detection Yes/No	Frequency	Trial #	Detection Yes/No
5	5591.3	1	N	5590.6	16	N
	5583.6	2	Y	5589.5	17	Y
	5589.2	3	Y	5591.1	18	Y
	5594.9	4	Y	5596.7	19	Y
	5587.2	5	Y	5583.4	20	Y
	5594.5	6	Y	5596.9	21	Y
	5587.6	7	Y	5595.5	22	Y
	5595.2	8	Y	5588.5	23	Y
	5597.8	9	Y	5594.5	24	Y
	5590.9	10	Y	5588.8	25	N
	5595.2	11	Y	5592.4	26	Y
	5592.8	12	Y	5593.3	27	Y
	5587.3	13	N	5590.6	28	Y
	5588.7	14	Y	5597.5	29	Y
	5590.4	15	Y	5586.6	30	N
Percentage of Detection required: 80%			Total percentage detected: 83.3%			

10MHz Bandwidth						
Radar Type	Frequency	Trial #	Detection Yes/No	Frequency	Trial #	Detection Yes/No
5	5590.5	1	N	5593.2	16	Y
	5593.5	2	Y	5593.2	17	Y
	5592.2	3	Y	5591.9	18	Y
	5590.2	4	N	5593.5	19	Y
	5587.7	5	Y	5589.4	20	Y
	5593.2	6	Y	5591.3	21	Y
	5586.6	7	Y	5590.7	22	Y
	5587.4	8	Y	5590.1	23	N
	5589.2	9	Y	5591.4	24	Y
	5591.7	10	Y	5586.5	25	N
	5588.4	11	Y	5591.9	26	Y
	5588.4	12	Y	5588.0	27	Y
	5590.0	13	Y	5592.8	28	Y
	5593.5	14	Y	5587.4	29	Y
	5589.6	15	Y	5593.2	30	Y
Percentage of Detection required: 80%			Total percentage detected: 86.7%			

40MHz Bandwidth				
Radar Type	Trial #	Detection Yes/No	Trial #	Detection Yes/No
6	1	Y	16	Y
	2	Y	17	Y
	3	Y	18	Y
	4	Y	19	Y
	5	Y	20	Y
	6	Y	21	Y
	7	Y	22	Y
	8	Y	23	Y
	9	Y	24	Y
	10	Y	25	Y
	11	Y	26	Y
	12	Y	27	Y
	13	Y	28	Y
	14	Y	29	Y
	15	Y	30	Y
Percentage of Detection required: 60%			Total percentage detected: 100%	

30MHz Bandwidth				
Radar Type	Trial #	Detection Yes/No	Trial #	Detection Yes/No
6	1	Y	16	Y
	2	Y	17	Y
	3	Y	18	Y
	4	Y	19	Y
	5	Y	20	Y
	6	Y	21	Y
	7	Y	22	Y
	8	Y	23	Y
	9	Y	24	Y
	10	Y	25	Y
	11	Y	26	Y
	12	Y	27	Y
	13	Y	28	Y
	14	Y	29	Y
	15	Y	30	Y
Percentage of Detection required: 60%			Total percentage detected: 96.7%	

20MHz Bandwidth				
Radar Type	Trial #	Detection Yes/No	Trial #	Detection Yes/No
6	1	Y	16	Y
	2	Y	17	Y
	3	Y	18	Y
	4	Y	19	Y
	5	Y	20	Y
	6	Y	21	Y
	7	Y	22	Y
	8	Y	23	Y
	9	Y	24	Y
	10	Y	25	Y
	11	Y	26	Y
	12	Y	27	Y
	13	Y	28	Y
	14	Y	29	Y
	15	Y	30	Y
Percentage of Detection required: 60%		Total percentage detected: 100%		

10MHz Bandwidth				
Radar Type	Trial #	Detection Yes/No	Trial #	Detection Yes/No
6	1	Y	16	Y
	2	Y	17	Y
	3	Y	18	Y
	4	Y	19	Y
	5	Y	20	Y
	6	Y	21	Y
	7	Y	22	Y
	8	Y	23	Y
	9	Y	24	Y
	10	Y	25	Y
	11	Y	26	Y
	12	Y	27	Y
	13	Y	28	Y
	14	Y	29	Y
	15	Y	30	Y
Percentage of Detection required: 60%		Total percentage detected: 100%		

Radar Type 1 **10MHz Bandwidth**			
Trial #	Pulse Width (µS)	PRI (µS)	Number Pulses per burst
1	1	858	62
2	1	3066	18
3	1	898	59
4	1	598	89
5	1	938	57
6	1	578	92
7	1	838	63
8	1	558	95
9	1	678	78
10	1	918	58
11	1	698	76
12	1	878	61
13	1	618	86
14	1	798	67
15	1	518	102
16	1	2190	25
17	1	1537	35
18	1	1491	36
19	1	785	68
20	1	2378	23
21	1	1625	33
22	1	1011	53
23	1	1860	29
24	1	2552	21
25	1	2716	20
26	1	1027	52
27	1	2644	20
28	1	971	55
29	1	2220	24
30	1	2964	18

Radar Type 2 **10MHz Bandwidth**			
Trial #	Pulse Width (µS)	PRI (µS)	Number Pulses per burst
1	2	225	29
2	2.3	161	26
3	1.9	189	24
4	1.6	226	25
5	3.9	186	26
6	3.5	164	29
7	2.1	172	29
8	3.2	221	25
9	1.1	188	27
10	2.5	173	27
11	3.1	169	23
12	2	172	24
13	3.6	228	24
14	3.1	194	23
15	2.4	219	25
16	3.1	157	26
17	2.5	195	27
18	2.7	207	25
19	1	191	28
20	4.1	194	26
21	1.1	179	27
22	3.3	226	25
23	3	190	28
24	4.3	192	27
25	1.3	187	25
26	2.7	221	29
27	4.4	163	24
28	5	188	23
29	1.5	214	24
30	1.8	190	27

Radar Type 3 **10MHz Bandwidth**			
Trial #	Pulse Width (µS)	PRI (µS)	Number Pulses per burst
1	7.5	293	18
2	6.2	462	17
3	8.3	475	16
4	6.4	208	17
5	6.4	452	16
6	6.1	320	16
7	6.1	281	17
8	9.5	397	16
9	9.9	218	18
10	8.8	352	17
11	9.6	430	18
12	7.3	380	18
13	9.2	217	16
14	10	318	18
15	10	290	18
16	7.4	357	18
17	9.9	477	17
18	9.4	291	17
19	6.7	313	18
20	7.8	466	17
21	7.2	353	17
22	8.9	278	17
23	8.3	206	18
24	7.7	498	18
25	9.6	500	16
26	6.7	425	17
27	8.4	460	16
28	6.9	347	16
29	9.2	389	17
30	8.6	229	18

Radar Type 4 **10MHz Bandwidth**			
Trial #	Pulse Width (µS)	PRI (µS)	Number Pulses per burst
1	11.8	275	16
2	18.3	252	16
3	11.8	344	12
4	18.2	247	12
5	15.9	444	12
6	18.3	382	16
7	17.1	208	15
8	12.4	271	14
9	13.1	361	14
10	13.2	209	14
11	15.4	398	12
12	11.9	410	13
13	15.5	298	16
14	15.9	303	14
15	19.3	277	16
16	12.8	361	14
17	12.2	307	12
18	13.9	462	15
19	14.4	249	14
20	19.8	221	14
21	11.8	311	15
22	15.8	268	13
23	17.9	381	12
24	11.8	367	16
25	17	497	14
26	17.8	356	14
27	13.8	250	12
28	19.6	459	12
29	11	295	12
30	19.6	347	13

Radar Type 1 **20MHz Bandwidth**			
Trial #	Pulse Width (µS)	PRI (µS)	Number Pulses per burst
1	1	838	63
2	1	698	76
3	1	918	58
4	1	798	67
5	1	898	59
6	1	778	68
7	1	818	65
8	1	938	57
9	1	578	92
10	1	638	83
11	1	658	81
12	1	858	62
13	1	738	72
14	1	538	99
15	1	518	102
16	1	1211	44
17	1	2644	20
18	1	814	65
19	1	2676	20
20	1	1608	33
21	1	2910	19
22	1	2496	22
23	1	2539	21
24	1	881	60
25	1	1295	41
26	1	1552	35
27	1	1324	40
28	1	532	100
29	1	2808	19
30	1	2879	19

Radar Type 2 **20MHz Bandwidth**			
Trial #	Pulse Width (µS)	PRI (µS)	Number Pulses per burst
1	1.8	177	23
2	2.5	182	26
3	2.8	202	24
4	1.5	183	23
5	1	191	23
6	2.2	163	23
7	3.1	182	27
8	3.2	181	25
9	3.7	210	29
10	1.2	191	23
11	1.8	206	25
12	2.7	180	23
13	4.2	212	25
14	1.4	204	27
15	3.8	200	25
16	3.3	152	23
17	4.3	181	28
18	1.8	226	25
19	3.2	154	25
20	2.6	154	28
21	3	220	29
22	3.5	187	29
23	3.1	167	25
24	4.1	160	26
25	4.9	228	29
26	4.4	150	26
27	2.6	187	23
28	4.1	167	26
29	3.1	210	24
30	3.9	155	23

Radar Type 3 **20MHz Bandwidth**			
Trial #	Pulse Width (µS)	PRI (µS)	Number Pulses per burst
1	9.4	389	16
2	6.2	206	18
3	6.1	427	18
4	10	242	16
5	7.4	432	16
6	8.4	374	18
7	7.7	321	18
8	7.9	313	16
9	8.5	400	16
10	8.7	398	18
11	7.6	279	17
12	6.9	479	16
13	9.2	356	18
14	6.8	419	16
15	8.7	388	18
16	9	318	16
17	7.9	258	18
18	8.2	209	17
19	6.4	360	16
20	8.6	259	18
21	6.4	321	18
22	6.1	344	18
23	8.5	473	18
24	8.8	484	16
25	7	362	17
26	9.2	332	17
27	6.7	401	17
28	9.3	447	16
29	9.2	364	18
30	9.3	227	16

Radar Type 4 **20MHz Bandwidth**			
Trial #	Pulse Width (µS)	PRI (µS)	Number Pulses per burst
1	11.8	313	16
2	15.8	467	13
3	19.4	221	13
4	13.9	291	15
5	13.5	467	12
6	17.2	256	16
7	17.6	278	13
8	18	407	12
9	16.7	361	12
10	18.7	414	12
11	18.8	347	12
12	13.1	442	15
13	13.6	472	13
14	15	365	16
15	12.2	261	12
16	13.4	301	14
17	19.1	433	13
18	13.5	480	15
19	15.3	344	12
20	14.9	492	14
21	14.4	278	16
22	19.7	249	14
23	12.4	355	12
24	12.7	362	13
25	12.2	223	12
26	13.7	312	12
27	17.6	433	12
28	19.4	320	12
29	17.9	265	15
30	18	397	14

Radar Type 1 **30MHz Bandwidth**			
Trial #	Pulse Width (µS)	PRI (µS)	Number Pulses per burst
1	1	918	58
2	1	858	62
3	1	558	95
4	1	718	74
5	1	658	81
6	1	518	102
7	1	738	72
8	1	798	67
9	1	638	83
10	1	878	61
11	1	678	78
12	1	698	76
13	1	578	92
14	1	538	99
15	1	778	68
16	1	749	71
17	1	2302	23
18	1	1051	51
19	1	868	61
20	1	2303	23
21	1	1241	43
22	1	619	86
23	1	2491	22
24	1	2607	21
25	1	2319	23
26	1	2476	22
27	1	2539	21
28	1	1424	38
29	1	1473	36
30	1	1147	47

Radar Type 2 **30MHz Bandwidth**			
Trial #	Pulse Width (µS)	PRI (µS)	Number Pulses per burst
1	4	223	27
2	1.9	200	26
3	4.7	224	27
4	3.1	198	25
5	2.2	160	23
6	4	189	24
7	3	189	23
8	1.7	191	26
9	2.4	186	27
10	2.1	209	26
11	1.7	200	29
12	2.8	228	29
13	3.5	174	26
14	4	177	26
15	2.4	178	23
16	1	172	29
17	2.9	199	23
18	2.5	156	29
19	1.2	211	26
20	4.5	196	28
21	4	224	26
22	3.2	215	23
23	1.7	173	23
24	3.1	180	28
25	3.1	170	27
26	4	152	27
27	5	174	27
28	2.8	198	25
29	1.7	208	27
30	4.7	161	26

Radar Type 3 **30MHz Bandwidth**			
Trial #	Pulse Width (µS)	PRI (µS)	Number Pulses per burst
1	8.6	487	18
2	7.4	261	17
3	9.9	315	16
4	8.8	436	18
5	7.8	451	17
6	8.5	405	18
7	6.4	381	17
8	7.6	258	17
9	9.4	320	16
10	9.7	346	16
11	8.3	441	17
12	9.9	451	17
13	7.8	325	18
14	6.9	453	18
15	7.8	401	18
16	9.8	252	18
17	10	323	16
18	6.8	339	18
19	9.3	301	16
20	8	392	18
21	6.1	291	18
22	8.2	369	17
23	8.1	436	18
24	8	410	16
25	7.4	296	17
26	6	463	17
27	8	250	16
28	9.6	467	18
29	7.1	388	16
30	9.4	244	16

Radar Type 4 **30MHz Bandwidth**			
Trial #	Pulse Width (µS)	PRI (µS)	Number Pulses per burst
1	14.7	271	12
2	13.8	408	12
3	19.4	439	12
4	16.6	489	15
5	14.7	310	12
6	19.6	441	12
7	16.8	243	14
8	14	254	15
9	14.6	239	16
10	13.3	482	16
11	19.9	238	12
12	16.3	333	15
13	18.1	344	16
14	17.5	228	15
15	18.2	314	12
16	18.7	336	13
17	19.9	258	13
18	19.6	393	12
19	15.3	401	12
20	11.1	237	12
21	11.1	380	15
22	17.7	470	13
23	14.2	440	12
24	15.5	386	16
25	14.7	327	16
26	12.9	276	12
27	17.9	457	15
28	11.3	481	16
29	15.3	315	14
30	11.6	380	14

Radar Type 1 **40MHz Bandwidth**			
Trial #	Pulse Width (µS)	PRI (µS)	Number Pulses per burst
1	1	578	92
2	1	558	95
3	1	538	99
4	1	678	78
5	1	738	72
6	1	798	67
7	1	878	61
8	1	858	62
9	1	938	57
10	1	518	102
11	1	658	81
12	1	778	68
13	1	758	70
14	1	838	63
15	1	618	86
16	1	2680	20
17	1	789	67
18	1	770	69
19	1	2193	25
20	1	2624	21
21	1	2988	18
22	1	2272	24
23	1	567	94
24	1	3038	18
25	1	621	85
26	1	2844	19
27	1	1289	41
28	1	543	98
29	1	2721	20
30	1	2567	21

Radar Type 2 **40MHz Bandwidth**			
Trial #	Pulse Width (µS)	PRI (µS)	Number Pulses per burst
1	3.1	158	27
2	1.4	218	28
3	4.6	163	23
4	1	219	26
5	4.9	189	25
6	2.1	159	23
7	4.3	208	23
8	3.9	172	29
9	2.5	210	29
10	4.3	202	26
11	4	151	25
12	3.5	167	29
13	3	224	24
14	2	214	25
15	2.9	230	24
16	3.8	170	28
17	4	211	26
18	4.5	157	27
19	4.5	150	27
20	1.3	181	27
21	4.5	184	25
22	3.3	162	26
23	4.6	185	25
24	3	171	26
25	3.7	224	29
26	1.1	210	23
27	4.5	163	27
28	1.3	190	28
29	5	176	23
30	2.1	174	28

Radar Type 3 **40MHz Bandwidth**			
Trial #	Pulse Width (µS)	PRI (µS)	Number Pulses per burst
1	6	227	16
2	9.8	248	16
3	9.6	434	18
4	10	391	16
5	8.5	311	17
6	8.8	403	16
7	8.9	307	16
8	6.3	324	16
9	8.4	203	18
10	9.9	385	17
11	6.2	264	17
12	7.3	333	17
13	9.7	277	17
14	6.1	335	17
15	6.2	336	17
16	8.2	216	16
17	8.4	245	16
18	7.3	285	16
19	6.3	293	16
20	9.1	383	16
21	9.3	365	16
22	8.8	491	18
23	6.1	224	18
24	7	418	18
25	8.7	422	18
26	9.2	375	16
27	10	405	17
28	7.2	208	16
29	7.1	379	18
30	7.4	255	16

Radar Type 4 **40MHz Bandwidth**			
Trial #	Pulse Width (µS)	PRI (µS)	Number Pulses per burst
1	18.1	425	14
2	13.3	442	16
3	17	293	16
4	14.5	342	13
5	12.2	426	12
6	17	322	15
7	14.4	319	13
8	11.1	465	16
9	19.1	362	12
10	18.8	450	13
11	12.1	279	16
12	12.2	254	16
13	15.3	242	12
14	17.4	492	13
15	14.6	231	12
16	18.6	473	13
17	13.4	423	14
18	15.5	232	12
19	15	337	16
20	19.9	474	14
21	14.1	349	14
22	14.6	414	12
23	19.5	404	14
24	13.3	275	14
25	16.3	382	12
26	18.5	251	16
27	17	366	13
28	19.9	493	14
29	11	384	15
30	16.7	431	16

Random DFS waveform parameters (NewBin5) 22-Jun-2015 11:27:29

Waveform Num = 1
Num of Bursts = 13
Burst Interval (us) = 923077.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	675207									
1		3	8.0	92	1651	1597	1824	675207	0	923076
	440043									
2		2	9.0	97	1944	1118	0	1120322	923077	1846153
	1468618									
3		2	19.0	63	1182	1150	0	2592002	1846154	2769230
	1048443									
4		3	11.0	53	1811	1297	1843	3642777	2769231	3692307
	70333									
5		2	14.0	52	1272	1937	0	3718061	3692308	4615384
	1059769									
6		3	12.0	72	1137	1826	1675	4781039	4615385	5538461
	1571303									
7		3	18.0	78	1303	1972	1969	6356980	5538462	6461538
	1018858									
8		2	17.0	88	1400	1532	0	7381082	6461539	7384615
	383277									
9		3	11.0	67	1739	1349	1783	7767291	7384616	8307692
	1384202									
10		2	17.0	56	1717	1897	0	9156364	8307693	9230769
	361990									
11		1	15.0	55	1750	0	0	9521968	9230770	10153846
	910165									
12		3	8.0	55	1713	1639	1114	10433883	10153847	11076923
	1186275									
13		2	20.0	63	1259	1121	0	11624624	11076924	12000000

Total number of pulses in waveform = 31

♀

Waveform Num = 2
Num of Bursts = 20
Burst Interval (us) = 600000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	488278									
1		2	11.0	76	1354	1470	0	488278	0	599999
	465275									
2		3	11.0	69	1402	1850	1050	956377	600000	1199999

3	549242	3	20.0	71	1978	1690	1561	1509921	1200000	1799999
4	623808	1	20.0	71	1777	0	0	2138958	1800000	2399999
5	699885	1	5.0	55	1020	0	0	2840620	2400000	2999999
6	168946	1	20.0	59	1239	0	0	3010586	3000000	3599999
7	808979	1	11.0	91	1026	0	0	3820804	3600000	4199999
8	628710	1	7.0	95	1116	0	0	4450540	4200000	4799999
9	569643	2	6.0	57	1257	1154	0	5021299	4800000	5399999
10	591126	2	19.0	55	1369	1060	0	5614836	5400000	5999999
11	481419	3	18.0	95	1402	1239	1240	6098684	6000000	6599999
12	546007	1	6.0	61	1024	0	0	6648572	6600000	7199999
13	587295	1	10.0	89	1916	0	0	7236891	7200000	7799999
14	566554	3	18.0	99	1679	1615	1125	7805361	7800000	8399999
15	599661	2	10.0	67	1692	1804	0	8409441	8400000	8999999
16	1016444	2	13.0	72	1543	1045	0	9429381	9000000	9599999
17	392672	2	12.0	67	1815	1041	0	9824641	9600000	10199999
18	765054	3	14.0	78	1755	1120	1298	10592551	10200000	10799999
19	533193	1	10.0	69	1923	0	0	11129917	10800000	11399999
20	749438	2	7.0	86	1482	1226	0	11881278	11400000	11999999

Total number of pulses in waveform = 37

♀

Waveform Num = 3
Num of Bursts = 8
Burst Interval (us) = 1500000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	1030603	1	11.0	98	1373	0	0	1030603	0	1499999
2	963772	1	8.0	60	1652	0	0	1995748	1500000	2999999

	1175280								
3		2	9.0	50	1116	1415	0	3172680	3000000	4499999
	1634819								
4		2	19.0	93	1160	1514	0	4810030	4500000	5999999
	2041360								
5		3	14.0	82	1343	1178	1037	6854064	6000000	7499999
	930427								
6		3	11.0	91	1978	1053	1793	7788049	7500000	8999999
	1962273								
7		2	5.0	85	1017	1674	0	9755146	9000000	10499999
	1288535								
8		1	8.0	93	1817	0	0	11046372	10500000	11999999

Total number of pulses in waveform = 15

♀

Waveform Num = 4
Num of Bursts = 17
Burst Interval (us) = 705882.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	634182									
1		1	9.0	56	1429	0	0	634182	0	705881
	493245									
2		2	7.0	60	1938	1244	0	1128856	705882	1411763
	591799									
3		3	17.0	77	1626	1504	1968	1723837	1411764	2117645
	923781									
4		1	10.0	72	1050	0	0	2652716	2117646	2823527
	595084									
5		1	10.0	73	1251	0	0	3248850	2823528	3529409
	292832									
6		1	9.0	81	1813	0	0	3542933	3529410	4235291
	1172144									
7		3	12.0	60	1478	1694	1284	4716890	4235292	4941173
	865086									
8		2	13.0	78	1134	1681	0	5586432	4941174	5647055
	228286									
9		3	17.0	60	1113	1223	1406	5817533	5647056	6352937
	1055971									
10		1	18.0	80	1149	0	0	6877246	6352938	7058819
	255399									
11		1	19.0	64	1709	0	0	7133794	7058820	7764701
	829988									
12		1	20.0	95	1520	0	0	7965491	7764702	8470583
	698026									
13		3	6.0	50	1193	1372	1542	8665037	8470584	9176465
	769847									
14		1	9.0	84	1791	0	0	9438991	9176466	9882347

	852435								
15		2	8.0	51	1743	1455	0	10293217	9882348	10588229
	668064								
16		3	14.0	76	1561	1433	1866	10964479	10588230	11294111
	1029008								
17		1	14.0	58	1476	0	0	11998347	11294112	11999993

Total number of pulses in waveform = 30

♀

Waveform Num = 5
Num of Bursts = 20
Burst Interval (us) = 600000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	515361									
1		2	14.0	75	1287	1335	0	515361	0	599999
	642863									
2		3	11.0	92	1165	1679	1797	1160846	600000	1199999
	332834									
3		1	20.0	95	1875	0	0	1498321	1200000	1799999
	453449									
4		2	20.0	61	1000	1032	0	1953645	1800000	2399999
	449798									
5		2	10.0	54	1280	1978	0	2405475	2400000	2999999
	932710									
6		1	11.0	61	1297	0	0	3341443	3000000	3599999
	443363									
7		3	7.0	77	1694	1412	1796	3786103	3600000	4199999
	512371									
8		3	20.0	83	1668	1237	1951	4303376	4200000	4799999
	887449									
9		3	8.0	55	1451	1477	1470	5195681	4800000	5399999
	556737									
10		2	15.0	96	1367	1543	0	5756816	5400000	5999999
	320127									
11		2	18.0	75	1621	1936	0	6079853	6000000	6599999
	917916									
12		2	8.0	53	1426	1705	0	7001326	6600000	7199999
	659457									
13		1	16.0	97	1580	0	0	7663914	7200000	7799999
	172252									
14		3	11.0	80	1098	1461	1145	7837746	7800000	8399999
	654452									
15		2	18.0	85	1044	1502	0	8495902	8400000	8999999
	707357									
16		3	6.0	77	1942	1781	1061	9205805	9000000	9599999
	824373									
17		2	6.0	52	1173	1323	0	10034962	9600000	10199999

	711583								
18		2	8.0	84	1012	1770	0	10749041	10200000	10799999
	586507								
19		3	5.0	74	1459	1326	1535	11338330	10800000	11399999
	594315								
20		3	5.0	92	1983	1086	1843	11936965	11400000	11999999

Total number of pulses in waveform = 45

♀

Waveform Num = 6
Num of Bursts = 17
Burst Interval (us) = 705882.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	384684									
1		3	9.0	95	1339	1948	1041	384684	0	705881
	503594									
2		3	9.0	92	1096	1581	1706	892606	705882	1411763
	1022373									
3		2	14.0	69	1151	1982	0	1919362	1411764	2117645
	389375									
4		2	18.0	55	1613	1223	0	2311870	2117646	2823527
	773033									
5		3	11.0	53	1452	1872	1205	3087739	2823528	3529409
	990293									
6		2	12.0	67	1613	1246	0	4082561	3529410	4235291
	338579									
7		2	18.0	77	1794	1701	0	4423999	4235292	4941173
	888969									
8		2	12.0	86	1989	1096	0	5316463	4941174	5647055
	922753									
9		1	15.0	53	1206	0	0	6242301	5647056	6352937
	425644									
10		1	20.0	68	1697	0	0	6669151	6352938	7058819
	1064354									
11		2	11.0	91	1456	1372	0	7735202	7058820	7764701
	306039									
12		3	12.0	99	1865	1285	1168	8044069	7764702	8470583
	666544									
13		1	6.0	63	1842	0	0	8714931	8470584	9176465
	763338									
14		1	8.0	100	1626	0	0	9480111	9176466	9882347
	624462									
15		2	20.0	98	1845	1709	0	10106199	9882348	10588229
	861350									
16		3	15.0	79	1058	1107	1958	10971103	10588230	11294111
	956403									
17		2	18.0	64	1164	1550	0	11931629	11294112	11999993

Total number of pulses in waveform = 35

♀

Waveform Num = 7
Num of Bursts = 18
Burst Interval (us) = 666667.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	589201									
1		1	14.0	93	1671	0	0	589201	0	666666
	203778									
2		1	8.0	82	1345	0	0	794650	666667	1333333
	1045442									
3		3	7.0	91	1084	1760	1668	1841437	1333334	2000000
	392691									
4		2	11.0	67	1014	1833	0	2238640	2000001	2666667
	451565									
5		2	19.0	82	1396	1885	0	2693052	2666668	3333334
	1036897									
6		3	14.0	96	1689	1391	1256	3733230	3333335	4000001
	739182									
7		2	17.0	62	1191	1611	0	4476748	4000002	4666668
	545135									
8		3	15.0	75	1237	1086	1572	5024685	4666669	5333335
	685518									
9		2	7.0	63	1360	1439	0	5714098	5333336	6000002
	462391									
10		2	18.0	100	1717	1505	0	6179288	6000003	6666669
	875387									
11		3	17.0	96	1726	1127	1947	7057897	6666670	7333336
	418933									
12		1	5.0	83	1549	0	0	7481630	7333337	8000003
	799165									
13		3	6.0	56	1666	1001	1023	8282344	8000004	8666670
	543593									
14		3	9.0	96	1666	1865	1109	8829627	8666671	9333337
	1041439									
15		3	16.0	67	1085	1801	1332	9875706	9333338	10000004
	287899									
16		2	19.0	87	1256	1442	0	10167823	10000005	10666671
	803740									
17		1	8.0	98	1074	0	0	10974261	10666672	11333338
	697240									
18		3	13.0	56	1210	1547	1392	11672575	11333339	12000005

Total number of pulses in waveform = 40

♀

Waveform Num = 8
Num of Bursts = 8

Burst Interval (us) = 1500000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	1275524									
1		1	7.0	67	1154	0	0	1275524	0	1499999
	637787									
2		2	13.0	68	1969	1920	0	1914465	1500000	2999999
	2359093									
3		3	19.0	99	1126	1796	1738	4277447	3000000	4499999
	341457									
4		1	11.0	55	1485	0	0	4623564	4500000	5999999
	2702400									
5		2	7.0	95	1145	1657	0	7327449	6000000	7499999
	366407									
6		3	16.0	89	1111	1927	1818	7696658	7500000	8999999
	1474751									
7		3	13.0	88	1085	1856	1264	9176265	9000000	10499999
	2398187									
8		3	7.0	94	1392	1068	1086	11578657	10500000	11999999

Total number of pulses in waveform = 18

♀

Waveform Num = 9
Num of Bursts = 16
Burst Interval (us) = 750000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	495621									
1		3	14.0	56	1415	1357	1530	495621	0	749999
	359633									
2		3	19.0	69	1697	1770	1374	859556	750000	1499999
	1241276									
3		3	7.0	72	1157	1948	1876	2105673	1500000	2249999
	344105									
4		3	12.0	87	1178	1811	1709	2454759	2250000	2999999
	1183444									
5		3	14.0	74	1827	1239	1697	3642901	3000000	3749999
	452362									
6		3	19.0	75	1197	1723	1285	4100026	3750000	4499999
	935610									
7		1	8.0	50	1142	0	0	5039841	4500000	5249999
	904263									
8		2	11.0	66	1528	1618	0	5945246	5250000	5999999
	378909									
9		2	16.0	75	1066	1712	0	6327301	6000000	6749999
	603151									
10		3	19.0	94	1125	1856	1723	6933230	6750000	7499999

	735294								
11		1	6.0	82	1920	0	0	7673228	7500000	8249999
	899586								
12		2	9.0	83	1263	1480	0	8574734	8250000	8999999
	731843								
13		3	12.0	65	1313	1769	1879	9309320	9000000	9749999
	731040								
14		2	19.0	83	1653	1702	0	10045321	9750000	10499999
	1138316								
15		2	10.0	50	1821	1888	0	11186992	10500000	11249999
	538414								
16		3	12.0	70	1870	1907	1601	11729115	11250000	11999999

Total number of pulses in waveform = 39

♀

Waveform Num = 10
Num of Bursts = 18
Burst Interval (us) = 666667.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	542376									
1		2	9.0	72	1305	1197	0	542376	0	666666
	201025									
2		3	8.0	57	1111	1588	1317	745903	666667	1333333
	714494									
3		1	19.0	67	1394	0	0	1464413	1333334	2000000
	730093									
4		1	9.0	90	1794	0	0	2195900	2000001	2666667
	529978									
5		2	7.0	55	1771	1015	0	2727672	2666668	3333334
	668694									
6		2	13.0	61	1589	1570	0	3399152	3333335	4000001
	1254388									
7		1	6.0	57	1768	0	0	4656699	4000002	4666668
	458287									
8		1	5.0	53	1960	0	0	5116754	4666669	5333335
	591044									
9		3	19.0	81	1424	1533	1094	5709758	5333336	6000002
	800693									
10		3	6.0	53	1961	1999	1275	6514502	6000003	6666669
	750298									
11		2	10.0	96	1929	1710	0	7270035	6666670	7333336
	87373									
12		2	8.0	99	1888	1462	0	7361047	7333337	8000003
	894812									
13		1	11.0	92	1604	0	0	8259209	8000004	8666670
	526570									
14		2	11.0	68	1733	1678	0	8787383	8666671	9333337

	623569								
15		2	10.0	51	1467	1109	0	9414363	9333338	10000004
	598432								
16		2	19.0	77	1875	1088	0	10015371	10000005	10666671
	1194152								
17		2	13.0	80	1229	1988	0	11212486	10666672	11333338
	586177								
18		2	17.0	75	1798	1993	0	11801880	11333339	12000005

Total number of pulses in waveform = 34

♀

Waveform Num = 11
Num of Bursts = 14
Burst Interval (us) = 857143.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	486392									
1		1	17.0	80	1392	0	0	486392	0	857142
	940938									
2		1	20.0	62	1486	0	0	1428722	857143	1714285
	883487									
3		3	13.0	52	1690	1779	1999	2313695	1714286	2571428
	955688									
4		3	20.0	79	1178	1098	1428	3274851	2571429	3428571
	211373									
5		2	19.0	68	1758	1460	0	3489928	3428572	4285714
	1069452									
6		2	13.0	53	1420	1188	0	4562598	4285715	5142857
	1114885									
7		1	6.0	78	1530	0	0	5680091	5142858	6000000
	667033									
8		1	16.0	99	1219	0	0	6348654	6000001	6857143
	1066594									
9		3	10.0	68	1617	1938	1188	7416467	6857144	7714286
	894289									
10		2	5.0	72	1215	1005	0	8315499	7714287	8571429
	821252									
11		1	5.0	65	1376	0	0	9138971	8571430	9428572
	923062									
12		3	7.0	65	1662	1805	1475	10063409	9428573	10285715
	619968									
13		3	18.0	89	1061	1557	1138	10688319	10285716	11142858
	1170260									
14		1	16.0	76	1436	0	0	11862335	11142859	12000001

Total number of pulses in waveform = 27

♀

Waveform Num = 12
Num of Bursts = 15

Burst Interval (us) = 800000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	51402	2	13.0	86	1453	1770	0	51402	0	799999
2	757531	2	16.0	99	1909	1813	0	812156	800000	1599999
3	1365902	1	16.0	97	1864	0	0	2181780	1600000	2399999
4	718237	1	13.0	98	1417	0	0	2901881	2400000	3199999
5	383736	1	8.0	79	1450	0	0	3287034	3200000	3999999
6	1395651	1	5.0	56	1319	0	0	4684135	4000000	4799999
7	877288	1	9.0	67	1385	0	0	5562742	4800000	5599999
8	671218	3	6.0	85	1050	1321	1876	6235345	5600000	6399999
9	341372	1	10.0	79	1140	0	0	6580964	6400000	7199999
10	735086	1	14.0	50	1537	0	0	7317190	7200000	7999999
11	1382766	1	18.0	90	1070	0	0	8701493	8000000	8799999
12	179428	1	16.0	96	1943	0	0	8881991	8800000	9599999
13	1383350	1	6.0	85	1586	0	0	10267284	9600000	10399999
14	167713	1	17.0	96	1310	0	0	10436583	10400000	11199999
15	1158135	2	19.0	98	1155	1617	0	11596028	11200000	11999999

Total number of pulses in waveform = 20

♀

Waveform Num = 13
Num of Bursts = 14
Burst Interval (us) = 857143.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	210365	1	14.0	51	1345	0	0	210365	0	857142
2	774761	2	20.0	52	1775	1389	0	986471	857143	1714285
3	938273	2	12.0	79	1329	1860	0	1927908	1714286	2571428

	872526								
4		2	19.0	81	1397	1714	0	2803623	2571429	3428571
	1172267								
5		1	16.0	100	1510	0	0	3979001	3428572	4285714
	576638								
6		3	9.0	60	1900	1111	1933	4557149	4285715	5142857
	1329366								
7		2	9.0	74	1555	1494	0	5891459	5142858	6000000
	226393								
8		3	9.0	69	1547	1070	1434	6120901	6000001	6857143
	1199493								
9		2	8.0	73	1725	1656	0	7324445	6857144	7714286
	987030								
10		1	19.0	71	1892	0	0	8314856	7714287	8571429
	334238								
11		1	6.0	98	1983	0	0	8650986	8571430	9428572
	1227993								
12		2	12.0	52	1310	1459	0	9880962	9428573	10285715
	1228237								
13		1	9.0	51	1744	0	0	11111968	10285716	11142858
	316460								
14		2	7.0	94	1540	1561	0	11430172	11142859	12000001

Total number of pulses in waveform = 25

♀

Waveform Num = 14
Num of Bursts = 8
Burst Interval (us) = 1500000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	317993									
1		2	18.0	59	1625	1919	0	317993	0	1499999
	1491079									
2		1	14.0	71	1183	0	0	1812616	1500000	2999999
	2065322									
3		1	5.0	74	1561	0	0	3879121	3000000	4499999
	1464118									
4		2	7.0	86	1089	1099	0	5344800	4500000	5999999
	1092668									
5		2	12.0	82	1961	1733	0	6439656	6000000	7499999
	2464645									
6		2	5.0	76	1354	1704	0	8907995	7500000	8999999
	612577									
7		2	5.0	74	1765	1618	0	9523630	9000000	10499999
	2245204									
8		2	10.0	54	1009	1709	0	11772217	10500000	11999999

Total number of pulses in waveform = 14

♀

Waveform Num = 15
Num of Bursts = 11
Burst Interval (us) = 1090909.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	686734	3	12.0	88	1117	1800	1833	686734	0	1090908
2	962494	3	19.0	96	1035	1893	1043	1653978	1090909	2181817
3	782281	1	5.0	65	1240	0	0	2440230	2181818	3272726
4	1844722	3	20.0	71	1877	1798	1350	4286192	3272727	4363635
5	851130	2	6.0	98	1827	1114	0	5142347	4363636	5454544
6	1002968	3	13.0	56	1287	1659	1964	6148256	5454545	6545453
7	751701	1	7.0	67	1058	0	0	6904867	6545454	7636362
8	1483577	2	11.0	90	1782	1138	0	8389502	7636363	8727271
9	1302789	1	20.0	68	1956	0	0	9695211	8727272	9818180
10	1122453	3	17.0	66	1562	1767	1841	10819620	9818181	10909089
11	613356	3	8.0	100	1545	1820	1343	11438146	10909090	11999998

Total number of pulses in waveform = 25

♀

Waveform Num = 16
Num of Bursts = 13
Burst Interval (us) = 923077.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	78911	2	11.0	59	1070	1169	0	78911	0	923076
2	1410454	3	18.0	54	1586	1953	1469	1491604	923077	1846153
3	1143022	3	13.0	56	1233	1939	1066	2639634	1846154	2769230
4	317782	2	10.0	58	1400	1569	0	2961654	2769231	3692307
5	1393206	3	20.0	91	1283	1008	1609	4357829	3692308	4615384
6	349945	3	14.0	74	1879	1274	1138	4711674	4615385	5538461

1089109									
7	1	12.0	82	1357	0	0	5805074	5538462	6461538
759770									
8	1	18.0	66	1250	0	0	6566201	6461539	7384615
1557369									
9	3	14.0	53	1527	1896	1618	8124820	7384616	8307692
533821									
10	1	9.0	100	1717	0	0	8663682	8307693	9230769
1259252									
11	2	18.0	94	1703	1545	0	9924651	9230770	10153846
1114517									
12	2	20.0	92	1445	1473	0	11042416	10153847	11076923
731119									
13	3	18.0	97	1690	1464	1567	11776453	11076924	12000000

Total number of pulses in waveform = 29

♀

Waveform Num = 17
Num of Bursts = 14
Burst Interval (us) = 857143.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	184235									
1		1	12.0	95	1311	0	0	184235	0	857142
	1275884									
2		3	7.0	99	1273	1740	1969	1461430	857143	1714285
	1016463									
3		2	5.0	56	1448	1587	0	2482875	1714286	2571428
	577636									
4		2	13.0	91	1151	1764	0	3063546	2571429	3428571
	638914									
5		1	14.0	70	1490	0	0	3705375	3428572	4285714
	908674									
6		3	12.0	73	1809	1014	1312	4615539	4285715	5142857
	855841									
7		1	16.0	66	1745	0	0	5475515	5142858	6000000
	1088749									
8		2	20.0	94	1038	1304	0	6566009	6000001	6857143
	459215									
9		3	8.0	82	1535	1549	1661	7027566	6857144	7714286
	876564									
10		2	9.0	71	1094	1342	0	7908875	7714287	8571429
	1317584									
11		1	13.0	70	1398	0	0	9228895	8571430	9428572
	309141									
12		3	13.0	54	1612	1410	1947	9539434	9428573	10285715
	781785									
13		3	18.0	68	1149	1069	1024	10326188	10285716	11142858

1498020									
14	1	20.0	81	1349	0	0	11827450	11142859	12000001

Total number of pulses in waveform = 28

♀

Waveform Num = 18
Num of Bursts = 20
Burst Interval (us) = 600000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	260659									
1		3	7.0	55	1781	1675	1674	260659	0	599999
	360355									
2		3	6.0	68	1127	1384	1841	626144	600000	1199999
	1024707									
3		2	19.0	72	1250	1325	0	1655203	1200000	1799999
	540837									
4		1	14.0	95	1503	0	0	2198615	1800000	2399999
	368128									
5		1	13.0	51	1182	0	0	2568246	2400000	2999999
	671497									
6		3	5.0	67	1926	1844	1418	3240925	3000000	3599999
	727771									
7		1	16.0	56	1081	0	0	3973884	3600000	4199999
	542453									
8		1	17.0	83	1354	0	0	4517418	4200000	4799999
	853808									
9		2	12.0	64	1818	1324	0	5372580	4800000	5399999
	327665									
10		1	5.0	77	1531	0	0	5703387	5400000	5999999
	366507									
11		2	5.0	85	1750	1912	0	6071425	6000000	6599999
	659596									
12		3	14.0	94	1425	1803	1277	6734683	6600000	7199999
	815383									
13		1	18.0	99	1129	0	0	7554571	7200000	7799999
	709971									
14		1	14.0	95	1739	0	0	8265671	7800000	8399999
	235318									
15		2	16.0	63	1075	1811	0	8502728	8400000	8999999
	540980									
16		2	13.0	51	1395	1923	0	9046594	9000000	9599999
	1059236									
17		1	8.0	96	1667	0	0	10109148	9600000	10199999
	618434									
18		1	5.0	89	1818	0	0	10729249	10200000	10799999
	502782									
19		1	15.0	84	1645	0	0	11233849	10800000	11399999

	192969								
20	1	7.0	90	1778	0	0	11428463	11400000	11999999

Total number of pulses in waveform = 33

♀

Waveform Num = 19
Num of Bursts = 18
Burst Interval (us) = 666667.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	650706									
1		1	9.0	64	1626	0	0	650706	0	666666
	619465									
2		3	16.0	52	1053	1417	1481	1271797	666667	1333333
	451385									
3		1	10.0	91	1731	0	0	1727133	1333334	2000000
	434691									
4		1	17.0	70	1105	0	0	2163555	2000001	2666667
	1073439									
5		1	20.0	71	1296	0	0	3238099	2666668	3333334
	273718									
6		2	11.0	76	1228	1393	0	3513113	3333335	4000001
	612820									
7		2	5.0	96	1678	1032	0	4128554	4000002	4666668
	959916									
8		1	7.0	59	1729	0	0	5091180	4666669	5333335
	362663									
9		3	16.0	95	1779	1515	1708	5455572	5333336	6000002
	1116034									
10		3	17.0	74	1068	1086	1066	6576608	6000003	6666669
	262738									
11		1	16.0	54	1554	0	0	6842566	6666670	7333336
	948353									
12		1	15.0	60	1865	0	0	7792473	7333337	8000003
	538175									
13		3	7.0	71	1552	1231	1301	8332513	8000004	8666670
	557063									
14		2	15.0	91	1890	1177	0	8893660	8666671	9333337
	650385									
15		1	10.0	96	1521	0	0	9547112	9333338	10000004
	735484									
16		2	10.0	97	1743	1947	0	10284117	10000005	10666671
	1003914									
17		2	8.0	63	1898	1469	0	11291721	10666672	11333338
	276991									
18		1	6.0	65	1106	0	0	11572079	11333339	12000005

Total number of pulses in waveform = 31

♀

Waveform Num = 20
Num of Bursts = 20
Burst Interval (us) = 600000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	284119	2	8.0	61	1308	1419	0	284119	0	599999
2	686518	3	17.0	86	1112	1085	1937	973364	600000	1199999
3	248030	2	17.0	97	1169	1068	0	1225528	1200000	1799999
4	874399	2	6.0	85	1603	1937	0	2102164	1800000	2399999
5	863667	1	7.0	88	1982	0	0	2969371	2400000	2999999
6	577856	3	16.0	97	1061	1481	1534	3549209	3000000	3599999
7	456874	3	10.0	100	1691	1016	1643	4010159	3600000	4199999
8	185610	2	5.0	55	1264	1732	0	4200119	4200000	4799999
9	1088773	3	8.0	63	1593	1197	1847	5291888	4800000	5399999
10	516599	1	7.0	78	1543	0	0	5813124	5400000	5999999
11	395625	1	16.0	85	1912	0	0	6210292	6000000	6599999
12	870367	2	20.0	62	1488	1349	0	7082571	6600000	7199999
13	463957	3	17.0	86	1663	1655	1236	7549365	7200000	7799999
14	650535	3	7.0	85	1571	1370	1393	8204454	7800000	8399999
15	364289	1	16.0	76	1863	0	0	8573077	8400000	8999999
16	802730	2	16.0	73	1015	1099	0	9377670	9000000	9599999
17	585479	3	12.0	63	1835	1674	1507	9965263	9600000	10199999
18	568409	3	17.0	62	1605	1305	1755	10538688	10200000	10799999
19	403025	3	5.0	86	1975	1791	1205	10946378	10800000	11399999
20	1009744	3	15.0	81	1515	1993	1601	11961093	11400000	11999999

Total number of pulses in waveform = 46
♀

Waveform Num = 21
Num of Bursts = 12
Burst Interval (us) = 1000000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	135980									
1		2	5.0	69	1355	1418	0	135980	0	999999
	1615271									
2		1	19.0	99	1608	0	0	1754024	1000000	1999999
	272710									
3		3	13.0	78	1806	1400	1447	2028342	2000000	2999999
	1900689									
4		1	15.0	54	1687	0	0	3933684	3000000	3999999
	980296									
5		3	20.0	66	1143	1978	1267	4915667	4000000	4999999
	1037060									
6		2	9.0	97	1144	1239	0	5957115	5000000	5999999
	411747									
7		1	13.0	96	1034	0	0	6371245	6000000	6999999
	1359790									
8		1	10.0	89	1719	0	0	7732069	7000000	7999999
	620626									
9		2	16.0	77	1809	1005	0	8354414	8000000	8999999
	864651									
10		3	13.0	94	1269	1137	1054	9221879	9000000	9999999
	905403									
11		3	12.0	84	1482	1107	1325	10130742	10000000	10999999
	1677499									
12		2	5.0	54	1829	1485	0	11812155	11000000	11999999

Total number of pulses in waveform = 24

♀

Waveform Num = 22
Num of Bursts = 11
Burst Interval (us) = 1090909.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	186541									
1		1	19.0	93	1301	0	0	186541	0	1090908
	1578310									
2		2	5.0	61	1723	1572	0	1766152	1090909	2181817
	1462200									
3		2	17.0	88	1276	1720	0	3231647	2181818	3272726
	959085									
4		1	15.0	51	1327	0	0	4193728	3272727	4363635
	797879									
5		2	13.0	79	1974	1764	0	4992934	4363636	5454544

561678									
6	1	15.0	71	1762	0	0	5558350	5454545	6545453
1699304									
7	3	9.0	89	1983	1364	1659	7259416	6545454	7636362
478547									
8	2	9.0	99	1007	1797	0	7742969	7636363	8727271
1702325									
9	2	11.0	88	1961	1601	0	9448098	8727272	9818180
1398671									
10	2	9.0	58	1512	1447	0	10850331	9818181	10909089
82644									
11	2	7.0	59	1146	1094	0	10935934	10909090	11999998

Total number of pulses in waveform = 20

♀

Waveform Num = 23
Num of Bursts = 12
Burst Interval (us) = 1000000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	466318									
1		3	17.0	61	1878	1563	1368	466318	0	999999
	1203742									
2		1	17.0	100	1039	0	0	1674869	1000000	1999999
	932247									
3		1	14.0	82	1487	0	0	2608155	2000000	2999999
	1103216									
4		2	6.0	74	1383	1797	0	3712858	3000000	3999999
	401231									
5		2	5.0	88	1279	1821	0	4117269	4000000	4999999
	1529133									
6		3	7.0	63	1582	1216	1771	5649502	5000000	5999999
	566884									
7		1	20.0	87	1423	0	0	6220955	6000000	6999999
	1071423									
8		2	20.0	94	1142	1008	0	7293801	7000000	7999999
	1027116									
9		1	15.0	80	1415	0	0	8323067	8000000	8999999
	1479519									
10		2	9.0	58	1620	2000	0	9804001	9000000	9999999
	396730									
11		2	8.0	79	1063	1848	0	10204351	10000000	10999999
	877905									
12		2	13.0	81	1260	1504	0	11085167	11000000	11999999

Total number of pulses in waveform = 22

♀

Waveform Num = 24
Num of Bursts = 10

Burst Interval (us) = 1200000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	587415									
1		1	17.0	90	1947	0	0	587415	0	1199999
	1487133									
2		3	6.0	74	1058	1953	1503	2076495	1200000	2399999
	1492755									
3		2	14.0	100	1344	1548	0	3573764	2400000	3599999
	396321									
4		1	6.0	72	1029	0	0	3972977	3600000	4799999
	1367872									
5		1	20.0	94	1353	0	0	5341878	4800000	5999999
	1445798									
6		1	16.0	88	1991	0	0	6789029	6000000	7199999
	1214410									
7		3	16.0	57	1029	1897	1930	8005430	7200000	8399999
	1330424									
8		2	12.0	55	1834	1086	0	9340710	8400000	9599999
	903464									
9		3	17.0	88	1467	1940	1289	10247094	9600000	10799999
	549089									
10		3	17.0	85	1122	1150	1238	10800879	10800000	11999999

Total number of pulses in waveform = 20

♀

Waveform Num = 25
Num of Bursts = 8
Burst Interval (us) = 1500000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	898909									
1		2	17.0	70	1967	1589	0	898909	0	1499999
	1104933									
2		2	16.0	52	1317	1784	0	2007398	1500000	2999999
	1699973									
3		2	16.0	67	1394	1391	0	3710472	3000000	4499999
	1211430									
4		3	18.0	72	1739	1835	1137	4924687	4500000	5999999
	1082772									
5		3	11.0	85	1806	1101	1550	6012170	6000000	7499999
	2424336									
6		2	7.0	52	1178	1202	0	8440963	7500000	8999999
	1473515									
7		3	9.0	83	1672	1144	1978	9916858	9000000	10499999
	2018589									
8		3	6.0	99	1525	1017	1982	11940241	10500000	11999999

Total number of pulses in waveform = 20

Waveform Num = 26
Num of Bursts = 10
Burst Interval (us) = 1200000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	1178062									
1		1	8.0	92	1972	0	0	1178062	0	1199999
	665424									
2		1	12.0	65	1887	0	0	1845458	1200000	2399999
	699944									
3		2	9.0	93	1600	1999	0	2547289	2400000	3599999
	1275663									
4		3	11.0	65	1693	1811	1539	3826551	3600000	4799999
	1892196									
5		2	13.0	89	1507	1681	0	5723790	4800000	5999999
	522759									
6		1	17.0	83	1721	0	0	6249737	6000000	7199999
	2042622									
7		3	12.0	73	1105	1394	1070	8294080	7200000	8399999
	307440									
8		2	9.0	53	1718	1899	0	8605089	8400000	9599999
	2069887									
9		2	14.0	80	1125	1441	0	10678593	9600000	10799999
	1051330									
10		3	14.0	85	1085	1208	1471	11732489	10800000	11999999

Total number of pulses in waveform = 20

Waveform Num = 27
Num of Bursts = 12
Burst Interval (us) = 1000000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	537426									
1		3	19.0	51	1970	1306	1956	537426	0	999999
	815259									
2		3	15.0	60	1036	1900	1792	1357917	1000000	1999999
	1192439									
3		2	17.0	61	1270	1244	0	2555084	2000000	2999999
	954914									
4		3	13.0	99	1723	1593	1594	3512512	3000000	3999999
	1081459									
5		3	11.0	66	1435	1634	1411	4598881	4000000	4999999
	396872									
6		2	20.0	64	1515	1190	0	5000233	5000000	5999999

	1856199								
7		2	14.0	83	1332	1612	0	6859137	6000000	6999999
	810160								
8		1	19.0	95	1548	0	0	7672241	7000000	7999999
	374438								
9		1	6.0	52	1740	0	0	8048227	8000000	8999999
	1691844								
10		3	6.0	99	1626	1110	1849	9741811	9000000	9999999
	365917								
11		1	12.0	77	1847	0	0	10112313	10000000	10999999
	1523148								
12		3	16.0	80	1957	1657	1062	11637308	11000000	11999999

Total number of pulses in waveform = 27

♀

Waveform Num = 28
Num of Bursts = 12
Burst Interval (us) = 1000000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	527998									
1		2	10.0	75	1007	1800	0	527998	0	999999
	509099									
2		1	12.0	65	1217	0	0	1039904	1000000	1999999
	1527957									
3		1	16.0	76	1223	0	0	2569078	2000000	2999999
	1296549									
4		2	5.0	75	1681	1643	0	3866850	3000000	3999999
	754500									
5		1	16.0	77	1674	0	0	4624674	4000000	4999999
	509739									
6		2	10.0	91	1414	1103	0	5136087	5000000	5999999
	1765482									
7		1	15.0	68	1788	0	0	6904086	6000000	6999999
	476374									
8		2	11.0	93	1529	1742	0	7382248	7000000	7999999
	713092									
9		1	19.0	65	1357	0	0	8098611	8000000	8999999
	1167246									
10		2	17.0	95	1002	1777	0	9267214	9000000	9999999
	1208396									
11		1	11.0	66	1212	0	0	10478389	10000000	10999999
	1188779									
12		3	13.0	72	1851	1153	1036	11668380	11000000	11999999

Total number of pulses in waveform = 19

♀

Waveform Num = 29
Num of Bursts = 10

Burst Interval (us) = 1200000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	254611									
1		2	17.0	90	1194	1074	0	254611	0	1199999
	1169643									
2		1	16.0	82	1172	0	0	1426522	1200000	2399999
	1646384									
3		1	10.0	98	1980	0	0	3074078	2400000	3599999
	1120716									
4		3	5.0	99	1834	1219	1676	4196774	3600000	4799999
	1048477									
5		3	8.0	92	1265	1803	1753	5249980	4800000	5999999
	1334019									
6		2	19.0	89	1910	1261	0	6588820	6000000	7199999
	1092566									
7		1	16.0	60	1630	0	0	7684557	7200000	8399999
	858550									
8		3	18.0	56	1967	1790	1432	8544737	8400000	9599999
	1281872									
9		2	10.0	60	1398	1980	0	9831798	9600000	10799999
	1115831									
10		2	11.0	96	1429	1917	0	10951007	10800000	11999999

Total number of pulses in waveform = 20

♀

Waveform Num = 30
Num of Bursts = 20
Burst Interval (us) = 600000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	50209									
1		3	15.0	68	1001	1504	1355	50209	0	599999
	900391									
2		3	13.0	70	1182	1660	1299	954460	600000	1199999
	824929									
3		3	14.0	77	1079	1658	1866	1783530	1200000	1799999
	538405									
4		3	13.0	73	1908	1750	1287	2326538	1800000	2399999
	570126									
5		3	14.0	88	1738	1175	1785	2901609	2400000	2999999
	408613									
6		3	19.0	70	1860	1413	1060	3314920	3000000	3599999
	302212									
7		2	5.0	58	1239	1548	0	3621465	3600000	4199999
	1127828									
8		2	13.0	73	1384	1340	0	4752080	4200000	4799999

	108340								
9		1	7.0	70	1714	0	0	4863144	4800000	5399999
	1065816								
10		2	17.0	55	1938	1683	0	5930674	5400000	5999999
	378206								
11		3	16.0	54	1620	1545	1064	6312501	6000000	6599999
	663958								
12		2	7.0	91	1077	1141	0	6980688	6600000	7199999
	480691								
13		2	17.0	75	1860	1663	0	7463597	7200000	7799999
	355699								
14		1	7.0	80	1193	0	0	7822819	7800000	8399999
	609230								
15		1	12.0	88	1109	0	0	8433242	8400000	8999999
	1013877								
16		3	16.0	68	1040	1073	1321	9448228	9000000	9599999
	712016								
17		1	10.0	100	1400	0	0	10163678	9600000	10199999
	576901								
18		1	16.0	77	1123	0	0	10741979	10200000	10799999
	625474								
19		1	17.0	84	1181	0	0	11368576	10800000	11399999
	237692								
20		2	11.0	65	1735	1345	0	11607449	11400000	11999999

Total number of pulses in waveform = 42

♀

Random DFS waveform parameters (NewBin5) 22-Jun-2015 11:27:19

Waveform Num = 1
Num of Bursts = 12
Burst Interval (us) = 1000000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	951519									
1		1	19.0	50	1794	0	0	951519	0	999999
	347305									
2		2	12.0	87	1965	1803	0	1300618	1000000	1999999
	899049									
3		1	16.0	74	1432	0	0	2203435	2000000	2999999
	973618									
4		3	20.0	75	1534	1124	1603	3178485	3000000	3999999
	909062									
5		2	15.0	86	1846	1733	0	4091808	4000000	4999999
	1322981									
6		2	19.0	56	1939	1231	0	5418368	5000000	5999999
	1253671									

7	2	15.0	96	1574	1800	0	6675209	6000000	6999999
1149184									
8	1	9.0	63	1100	0	0	7827767	7000000	7999999
663504									
9	1	12.0	75	1265	0	0	8492371	8000000	8999999
1028608									
10	2	5.0	66	1531	1413	0	9522244	9000000	9999999
479028									
11	1	11.0	100	1127	0	0	10004216	10000000	10999999
1553814									
12	1	9.0	99	1744	0	0	11559157	11000000	11999999

Total number of pulses in waveform = 19

♀

Waveform Num = 2
Num of Bursts = 11
Burst Interval (us) = 1090909.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	360766	1	17.0	83	1430	0	0	360766	0	1090908
2	1006582	3	13.0	91	1148	1104	1997	1368778	1090909	2181817
3	907973	1	6.0	86	1746	0	0	2281000	2181818	3272726
4	1077850	1	5.0	100	1156	0	0	3360596	3272727	4363635
5	1324516	1	18.0	96	1382	0	0	4686268	4363636	5454544
6	1117406	3	12.0	62	1901	1333	1851	5805056	5454545	6545453
7	1685903	2	16.0	63	1895	1910	0	7496044	6545454	7636362
8	435784	1	16.0	89	1334	0	0	7935633	7636363	8727271
9	1215099	1	16.0	79	1488	0	0	9152066	8727272	9818180
10	793318	3	6.0	81	1238	1567	1847	9946872	9818181	10909089
11	1617098	3	12.0	51	1551	1688	1418	11568622	10909090	11999998

Total number of pulses in waveform = 20

♀

Waveform Num = 3
Num of Bursts = 10
Burst Interval (us) = 1200000.0

Burst	Off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst

#	(us)	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval(us)	Interval(us)
1	1074303	2	9.0	88	1637	1331	0	1074303	0	1199999
2	533151	3	10.0	65	1781	1447	1660	1610422	1200000	2399999
3	1832499	1	19.0	69	1322	0	0	3447809	2400000	3599999
4	1315121	2	13.0	50	1937	1253	0	4764252	3600000	4799999
5	119161	1	20.0	79	1002	0	0	4886603	4800000	5999999
6	1873646	1	5.0	75	1026	0	0	6761251	6000000	7199999
7	1589907	3	20.0	75	1170	1646	1998	8352184	7200000	8399999
8	470051	2	17.0	89	1047	1350	0	8827049	8400000	9599999
9	960051	2	18.0	76	1833	1503	0	9789497	9600000	10799999
10	1128531	2	14.0	86	1984	1459	0	10921364	10800000	11999999

Total number of pulses in waveform = 19

♀

Waveform Num = 4
Num of Bursts = 16
Burst Interval (us) = 750000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	4753	3	16.0	74	1098	1005	1965	4753	0	749999
2	944275	1	17.0	95	1216	0	0	953096	750000	1499999
3	707788	1	12.0	91	1481	0	0	1662100	1500000	2249999
4	1214255	3	10.0	85	1905	1117	1409	2877836	2250000	2999999
5	308285	1	9.0	64	1820	0	0	3190552	3000000	3749999
6	779423	2	10.0	77	1016	1122	0	3971795	3750000	4499999
7	626836	1	9.0	57	1532	0	0	4600769	4500000	5249999
8	767292	1	13.0	51	1822	0	0	5369593	5250000	5999999
9	706378	3	14.0	68	1221	1990	1397	6077793	6000000	6749999
	1249358									

10	3	7.0	71	1068	1867	1442	7331759	6750000	7499999
732504									
11	1	6.0	80	1138	0	0	8068640	7500000	8249999
301794									
12	3	7.0	66	1008	1180	1130	8371572	8250000	8999999
1284497									
13	1	14.0	55	1878	0	0	9659387	9000000	9749999
148090									
14	3	20.0	72	1304	1007	1820	9809355	9750000	10499999
800844									
15	2	10.0	64	1739	1362	0	10614330	10500000	11249999
757514									
16	3	11.0	99	1532	1488	1104	11374945	11250000	11999999

Total number of pulses in waveform = 32

♀

Waveform Num = 5
Num of Bursts = 8
Burst Interval (us) = 1500000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	878491	1	20.0	80	1040	0	0	878491	0	1499999
2	882826	2	5.0	80	1220	1899	0	1762357	1500000	2999999
3	1602720	2	5.0	70	1812	1997	0	3368196	3000000	4499999
4	1228836	1	20.0	51	1749	0	0	4600841	4500000	5999999
5	2436814	2	18.0	81	1066	1591	0	7039404	6000000	7499999
6	641066	2	12.0	100	1172	1787	0	7683127	7500000	8999999
7	1667404	3	15.0	61	1947	1296	1425	9353490	9000000	10499999
8	1175370	3	7.0	51	1654	1138	1767	10533528	10500000	11999999

Total number of pulses in waveform = 16

♀

Waveform Num = 6
Num of Bursts = 8
Burst Interval (us) = 1500000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	781968	2	15.0	75	1240	1834	0	781968	0	1499999
949357										

2	1	7.0	66	1427	0	0	1734399	1500000	2999999
1421183									
3	3	16.0	77	1481	1190	1477	3157009	3000000	4499999
2694302									
4	2	16.0	57	1348	1752	0	5855459	4500000	5999999
1227416									
5	2	16.0	74	1537	1753	0	7085975	6000000	7499999
1094735									
6	1	19.0	79	1840	0	0	8184000	7500000	8999999
1695151									
7	1	19.0	99	1466	0	0	9880991	9000000	10499999
1757366									
8	1	8.0	89	1195	0	0	11639823	10500000	11999999

Total number of pulses in waveform = 13

♀

Waveform Num = 7
Num of Bursts = 15
Burst Interval (us) = 800000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	254426	2	8.0	80	1101	1805	0	254426	0	799999
2	1198712	1	20.0	60	1234	0	0	1456044	800000	1599999
3	314399	2	12.0	89	1682	1509	0	1771677	1600000	2399999
4	1149365	3	17.0	73	1293	1156	1592	2924233	2400000	3199999
5	768973	1	6.0	51	1980	0	0	3697247	3200000	3999999
6	307219	1	11.0	75	1733	0	0	4006446	4000000	4799999
7	1474230	1	12.0	82	1225	0	0	5482409	4800000	5599999
8	530473	3	11.0	71	1636	1488	1496	6014107	5600000	6399999
9	579086	3	16.0	79	1363	1842	1313	6597813	6400000	7199999
10	675546	1	14.0	74	1436	0	0	7277877	7200000	7999999
11	1383255	1	5.0	98	1224	0	0	8662568	8000000	8799999
12	383003	3	6.0	93	1443	1019	1022	9046795	8800000	9599999
13	1184156	3	17.0	57	1390	1604	1501	10234435	9600000	10399999
330136										

14	3	5.0	92	1772	1291	1446	10569066	10400000	11199999
1399258									
15	1	10.0	85	1204	0	0	11972833	11200000	11999999

Total number of pulses in waveform = 29

♀

Waveform Num = 8
Num of Bursts = 12
Burst Interval (us) = 1000000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	180660									
1		2	14.0	94	1723	1316	0	180660	0	999999
	1351089									
2		2	12.0	100	1067	1057	0	1534788	1000000	1999999
	832160									
3		3	15.0	94	1553	1780	1879	2369072	2000000	2999999
	833142									
4		1	14.0	50	1875	0	0	3207426	3000000	3999999
	1495669									
5		2	10.0	95	1433	1866	0	4704970	4000000	4999999
	631993									
6		3	14.0	91	1255	1287	1376	5340262	5000000	5999999
	1391835									
7		2	14.0	99	1953	1747	0	6736015	6000000	6999999
	1253822									
8		3	5.0	82	1285	1852	1290	7993537	7000000	7999999
	49045									
9		2	10.0	90	1157	1292	0	8047009	8000000	8999999
	1209750									
10		2	10.0	91	1718	1006	0	9259208	9000000	9999999
	837058									
11		2	6.0	56	1436	1832	0	10098990	10000000	10999999
	1584705									
12		2	17.0	94	1832	1132	0	11686963	11000000	11999999

Total number of pulses in waveform = 26

♀

Waveform Num = 9
Num of Bursts = 20
Burst Interval (us) = 600000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	505868									
1		2	14.0	83	1085	1917	0	505868	0	599999
	661769									
2		2	20.0	83	1743	1186	0	1170639	600000	1199999
	462324									

3	3	9.0	83	1559	1490	1185	1635892	1200000	1799999
443404									
4	3	20.0	61	1642	1607	1930	2083530	1800000	2399999
562609									
5	3	6.0	84	1300	1554	1076	2651318	2400000	2999999
621894									
6	3	13.0	65	1772	1185	1952	3277142	3000000	3599999
702254									
7	2	17.0	79	1709	1444	0	3984305	3600000	4199999
555744									
8	2	10.0	78	1991	1130	0	4543202	4200000	4799999
568156									
9	1	5.0	90	1671	0	0	5114479	4800000	5399999
839423									
10	1	7.0	87	1044	0	0	5955573	5400000	5999999
151191									
11	3	13.0	95	1005	1377	1423	6107808	6000000	6599999
643826									
12	1	14.0	98	1220	0	0	6755439	6600000	7199999
526134									
13	3	18.0	71	1627	1605	1497	7282793	7200000	7799999
939623									
14	2	19.0	91	1230	1215	0	8227145	7800000	8399999
244567									
15	3	20.0	91	1205	1392	1177	8474157	8400000	8999999
1109324									
16	1	12.0	51	1718	0	0	9587255	9000000	9599999
178060									
17	2	10.0	65	1324	1957	0	9767033	9600000	10199999
439230									
18	1	18.0	70	1920	0	0	10209544	10200000	10799999
698384									
19	2	11.0	53	1688	1481	0	10909848	10800000	11399999
768260									
20	1	5.0	77	1163	0	0	11681277	11400000	11999999

Total number of pulses in waveform = 41

♀

Waveform Num = 10
Num of Bursts = 15
Burst Interval (us) = 800000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	59641	3	9.0	66	1620	1601	1908	59641	0	799999
2	1249792	3	13.0	84	1419	1759	1531	1314562	800000	1599999
	515019									

3	2	12.0	67	1687	1440	0	1834290	1600000	2399999
798218									
4	2	9.0	62	1304	1357	0	2635635	2400000	3199999
775423									
5	3	16.0	87	1431	1603	1527	3413719	3200000	3999999
1148495									
6	2	15.0	97	1984	1197	0	4566775	4000000	4799999
439537									
7	1	5.0	82	1312	0	0	5009493	4800000	5599999
839899									
8	3	18.0	60	1147	1411	1543	5850704	5600000	6399999
768840									
9	2	15.0	63	1869	1388	0	6623645	6400000	7199999
920139									
10	1	20.0	77	1940	0	0	7547041	7200000	7999999
682753									
11	2	5.0	69	1609	1613	0	8231734	8000000	8799999
929179									
12	2	18.0	68	1122	1086	0	9164135	8800000	9599999
978073									
13	3	17.0	92	1315	1035	1554	10144416	9600000	10399999
681997									
14	1	13.0	82	1637	0	0	10830317	10400000	11199999
654999									
15	3	17.0	54	1525	1022	1352	11486953	11200000	11999999

Total number of pulses in waveform = 33

♀

Waveform Num = 11
Num of Bursts = 11
Burst Interval (us) = 1090909.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	890656	3	19.0	94	1291	1617	1800	890656	0	1090908
2	727608	1	8.0	79	1037	0	0	1622972	1090909	2181817
3	1254071	1	20.0	85	1428	0	0	2878080	2181818	3272726
4	788775	3	8.0	65	1300	1970	1873	3668283	3272727	4363635
5	1520479	3	7.0	67	1554	1404	1605	5193905	4363636	5454544
6	266641	2	19.0	87	1516	1151	0	5465109	5454545	6545453
7	1172110	1	14.0	88	1732	0	0	6639886	6545454	7636362
	1170877									

8	1	18.0	82	1917	0	0	7812495	7636363	8727271
1623372									
9	3	11.0	90	1401	1652	1549	9437784	8727272	9818180
1040967									
10	3	12.0	51	1699	1536	1921	10483353	9818181	10909089
1131233									
11	1	12.0	89	1401	0	0	11619742	10909090	11999998

Total number of pulses in waveform = 22

♀

Waveform Num = 12
Num of Bursts = 9
Burst Interval (us) = 1333333.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	852972	2	20.0	67	1684	1042	0	852972	0	1333332
2	751788	2	15.0	87	1918	1420	0	1607486	1333333	2666665
3	1128065	1	7.0	95	1467	0	0	2738889	2666666	3999998
4	1394135	2	10.0	90	1817	1899	0	4134491	3999999	5333331
5	2240492	1	13.0	71	1608	0	0	6378699	5333332	6666664
6	545889	1	9.0	74	1601	0	0	6926196	6666665	7999997
7	1913604	2	10.0	90	1231	1894	0	8841401	7999998	9333330
8	908906	3	18.0	89	1567	1580	1194	9753432	9333331	10666663
9	2016011	3	16.0	95	1968	1494	1946	11773784	10666664	11999996

Total number of pulses in waveform = 17

♀

Waveform Num = 13
Num of Bursts = 8
Burst Interval (us) = 1500000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	309234	1	10.0	93	1948	0	0	309234	0	1499999
2	2611764	2	6.0	66	1788	1788	0	2922946	1500000	2999999
3	877203	1	14.0	87	1831	0	0	3803725	3000000	4499999
	810313									

4	3	12.0	77	1825	1619	1524	4615869	4500000	5999999
2819332									
5	1	19.0	83	1812	0	0	7440169	6000000	7499999
603117									
6	1	18.0	99	1356	0	0	8045098	7500000	8999999
1649814									
7	2	19.0	83	1339	1974	0	9696268	9000000	10499999
1588718									
8	1	14.0	82	1876	0	0	11288299	10500000	11999999

Total number of pulses in waveform = 12

♀

Waveform Num = 14
Num of Bursts = 16
Burst Interval (us) = 750000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	451835	1	8.0	85	1525	0	0	451835	0	749999
2	475638	1	5.0	91	1635	0	0	928998	750000	1499999
3	645990	3	6.0	59	1757	1892	1906	1576623	1500000	2249999
4	975754	3	18.0	81	1392	1232	1119	2557932	2250000	2999999
5	1026454	2	19.0	80	1995	1781	0	3588129	3000000	3749999
6	187677	3	5.0	74	1249	1169	1341	3779582	3750000	4499999
7	928255	1	15.0	91	1171	0	0	4711596	4500000	5249999
8	906085	1	20.0	91	1831	0	0	5618852	5250000	5999999
9	585600	2	15.0	62	1312	1483	0	6206283	6000000	6749999
10	1074292	3	7.0	77	1819	1624	1295	7283370	6750000	7499999
11	498068	3	15.0	51	1411	1037	1607	7786176	7500000	8249999
12	1114404	3	20.0	89	1310	1589	1087	8904635	8250000	8999999
13	109266	1	18.0	94	1896	0	0	9017887	9000000	9749999
14	1010562	2	6.0	92	1497	1671	0	10030345	9750000	10499999
15	1109104	2	16.0	91	1755	1989	0	11142617	10500000	11249999
688239										

16	2	6.0	52	1820	1242	0	11834600	11250000	11999999

Total number of pulses in waveform = 33

♀

Waveform Num = 15
Num of Bursts = 16
Burst Interval (us) = 750000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	343486	3	20.0	67	1326	1079	1903	343486	0	749999
2	970639	1	6.0	60	1221	0	0	1318433	750000	1499999
3	755770	3	12.0	50	1730	1141	1911	2075424	1500000	2249999
4	601726	2	19.0	52	1152	1058	0	2681932	2250000	2999999
5	572083	3	5.0	52	1378	1470	1419	3256225	3000000	3749999
6	1137824	1	18.0	59	1761	0	0	4398316	3750000	4499999
7	408289	1	10.0	57	1074	0	0	4808366	4500000	5249999
8	734661	3	6.0	92	1714	1615	1251	5544101	5250000	5999999
9	609587	1	9.0	69	1336	0	0	6158268	6000000	6749999
10	761148	2	19.0	58	1165	1445	0	6920752	6750000	7499999
11	765383	3	6.0	75	1846	1754	1875	7688745	7500000	8249999
12	657780	2	17.0	98	1453	1810	0	8352000	8250000	8999999
13	1150710	2	5.0	74	1673	1836	0	9505973	9000000	9749999
14	572533	1	14.0	51	1624	0	0	10082015	9750000	10499999
15	970755	3	19.0	82	1573	1911	1135	11054394	10500000	11249999
16	436936	1	18.0	100	1134	0	0	11495949	11250000	11999999

Total number of pulses in waveform = 32

♀

Waveform Num = 16
Num of Bursts = 12
Burst Interval (us) = 1000000.0

Burst	Off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst

New3RandParmBin5

#	(us)	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval(us)	Interval(us)
1	884185	2	8.0	63	1340	1084	0	884185	0	999999
2	582396	2	12.0	95	1172	1768	0	1469005	1000000	1999999
3	1296257	3	16.0	73	1939	1465	1553	2768202	2000000	2999999
4	1213204	1	19.0	91	1917	0	0	3986363	3000000	3999999
5	234244	1	7.0	83	1134	0	0	4222524	4000000	4999999
6	786368	3	10.0	52	1130	1607	1611	5010026	5000000	5999999
7	1326374	1	12.0	88	1625	0	0	6340748	6000000	6999999
8	913512	2	20.0	84	1217	1929	0	7255885	7000000	7999999
9	1136191	2	8.0	83	1549	1136	0	8395222	8000000	8999999
10	902676	2	18.0	99	1588	1779	0	9300583	9000000	9999999
11	702064	1	20.0	91	1994	0	0	10006014	10000000	10999999
12	1699997	3	18.0	52	1248	1185	1921	11708005	11000000	11999999

Total number of pulses in waveform = 23

♀

Waveform Num = 17
Num of Bursts = 15
Burst Interval (us) = 800000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	749454	3	16.0	83	1606	1307	1894	749454	0	799999
2	152644	3	16.0	55	1846	1362	1225	906905	800000	1599999
3	724265	2	8.0	71	1807	1738	0	1635603	1600000	2399999
4	1148185	1	5.0	81	1472	0	0	2787333	2400000	3199999
5	904618	3	10.0	63	1728	1160	1052	3693423	3200000	3999999
6	753443	2	7.0	93	1274	1494	0	4450806	4000000	4799999
7	758276	3	8.0	75	1960	1579	1411	5211850	4800000	5599999
	977033									

8	2	16.0	56	1457	1685	0	6193833	5600000	6399999
444484									
9	2	6.0	65	1320	1475	0	6641459	6400000	7199999
763049									
10	2	6.0	82	1096	1842	0	7407303	7200000	7999999
1065351									
11	2	17.0	65	1154	1829	0	8475592	8000000	8799999
332371									
12	3	20.0	60	1841	1114	1104	8810946	8800000	9599999
860731									
13	2	20.0	96	1752	1327	0	9675736	9600000	10399999
1337468									
14	2	14.0	63	1836	1418	0	11016283	10400000	11199999
645730									
15	3	11.0	62	1099	1242	1614	11665267	11200000	11999999

Total number of pulses in waveform = 35

♀

Waveform Num = 18
Num of Bursts = 19
Burst Interval (us) = 631579.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	146457	3	8.0	58	1135	1991	1126	146457	0	631578
947756										
2	2	18.0	69	1994	1482	0	1098465	631579	1263157	
676695										
3	3	9.0	95	1759	1924	1435	1778636	1263158	1894736	
211780										
4	2	7.0	87	1217	1863	0	1995534	1894737	2526315	
666607										
5	3	8.0	92	1853	1011	1717	2665221	2526316	3157894	
708136										
6	3	11.0	80	1825	1358	1246	3377938	3157895	3789473	
915538										
7	3	9.0	52	1113	1482	1995	4297905	3789474	4421052	
734806										
8	1	12.0	70	1965	0	0	5037301	4421053	5052631	
18341										
9	3	14.0	77	1334	1568	1940	5057607	5052632	5684210	
626271										
10	1	11.0	52	1278	0	0	5688720	5684211	6315789	
1038147										
11	2	13.0	63	1611	1446	0	6728145	6315790	6947368	
606308										
12	2	13.0	85	1173	1198	0	7337510	6947369	7578947	
421170										

13	3	20.0	92	1046	1572	1681	7761051	7578948	8210526
498695									
14	1	6.0	59	1080	0	0	8264045	8210527	8842105
981306									
15	3	12.0	77	1818	1099	1301	9246431	8842106	9473684
742265									
16	2	12.0	61	1427	1368	0	9992914	9473685	10105263
631955									
17	1	12.0	78	1315	0	0	10627664	10105264	10736842
264686									
18	2	7.0	76	1955	1444	0	10893665	10736843	11368421
584497									
19	1	5.0	58	1005	0	0	11481561	11368422	12000000

Total number of pulses in waveform = 41

♀

Waveform Num = 19
Num of Bursts = 15
Burst Interval (us) = 800000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	228400	1	7.0	75	1808	0	0	228400	0	799999
2	590796	2	7.0	77	1762	1265	0	821004	800000	1599999
3	946201	1	8.0	79	1649	0	0	1770232	1600000	2399999
4	1109508	1	6.0	74	1293	0	0	2881389	2400000	3199999
5	469822	2	13.0	62	1153	1647	0	3352504	3200000	3999999
6	1356407	1	7.0	100	1327	0	0	4711711	4000000	4799999
7	366798	2	17.0	69	1266	1974	0	5079836	4800000	5599999
8	1130993	3	5.0	70	1659	1171	1895	6214069	5600000	6399999
9	559675	1	6.0	100	1961	0	0	6778469	6400000	7199999
10	504835	3	20.0	99	1598	1023	1476	7285265	7200000	7999999
11	892635	2	7.0	81	1309	1076	0	8181997	8000000	8799999
12	1314621	1	19.0	87	1007	0	0	9499003	8800000	9599999
13	138792	1	15.0	77	1841	0	0	9638802	9600000	10399999
1137139										

14	1	15.0	54	1024	0	0	10777782	10400000	11199999
652343									
15	1	17.0	65	1547	0	0	11431149	11200000	11999999

Total number of pulses in waveform = 23

♀

Waveform Num = 20
Num of Bursts = 16
Burst Interval (us) = 750000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	334848									
1		2	20.0	76	1953	1728	0	334848	0	749999
	977323									
2		1	11.0	71	1285	0	0	1315852	750000	1499999
	865556									
3		2	14.0	53	1646	1536	0	2182693	1500000	2249999
	198321									
4		3	6.0	63	1619	1468	1819	2384196	2250000	2999999
	1191749									
5		2	13.0	54	1250	1042	0	3580851	3000000	3749999
	762711									
6		2	10.0	89	1228	1492	0	4345854	3750000	4499999
	804591									
7		3	7.0	66	1874	1592	1050	5153165	4500000	5249999
	313952									
8		3	13.0	53	1077	1634	1425	5471633	5250000	5999999
	706432									
9		1	11.0	73	1907	0	0	6182201	6000000	6749999
	608502									
10		3	5.0	84	1565	1121	1275	6792610	6750000	7499999
	1103803									
11		2	16.0	57	1687	1291	0	7900374	7500000	8249999
	790242									
12		3	7.0	55	1245	1245	1539	8693594	8250000	8999999
	514619									
13		1	20.0	72	1123	0	0	9212242	9000000	9749999
	866756									
14		1	5.0	81	1101	0	0	10080121	9750000	10499999
	659349									
15		2	17.0	76	1577	1875	0	10740571	10500000	11249999
	631696									
16		1	11.0	96	1638	0	0	11375719	11250000	11999999

Total number of pulses in waveform = 32

♀

Waveform Num = 21
Num of Bursts = 11
Burst Interval (us) = 1090909.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	184834	1	9.0	89	1921	0	0	184834	0	1090908
2	1920845	1	11.0	56	1511	0	0	2107600	1090909	2181817
3	267669	1	12.0	79	1259	0	0	2376780	2181818	3272726
4	1049955	1	14.0	73	1619	0	0	3427994	3272727	4363635
5	1969313	1	16.0	93	1526	0	0	5398926	4363636	5454544
6	639358	1	13.0	62	1204	0	0	6039810	5454545	6545453
7	1421493	3	5.0	90	1132	1925	1187	7462507	6545454	7636362
8	610042	1	16.0	70	1525	0	0	8076793	7636363	8727271
9	763435	2	12.0	100	1268	1365	0	8841753	8727272	9818180
10	1400948	2	12.0	87	1588	1972	0	10245334	9818181	10909089
11	913144	2	8.0	51	1330	1365	0	11162038	10909090	11999998

Total number of pulses in waveform = 16

♀

Waveform Num = 22
Num of Bursts = 14
Burst Interval (us) = 857143.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	397433	3	19.0	82	1771	1561	1901	397433	0	857142
2	1265417	3	19.0	97	1860	1622	1309	1668083	857143	1714285
3	180194	2	10.0	86	1200	1796	0	1853068	1714286	2571428
4	1047830	2	13.0	89	1280	1141	0	2903894	2571429	3428571
5	1148058	1	10.0	61	1500	0	0	4054373	3428572	4285714
6	909212	1	11.0	70	1940	0	0	4965085	4285715	5142857
7	221718	2	14.0	57	1911	1855	0	5188743	5142858	6000000
	1243805									

8	3	9.0	63	1774	1874	1129	6436314	6000001	6857143
1140417									
9	1	13.0	93	1127	0	0	7581508	6857144	7714286
405861									
10	1	7.0	95	1778	0	0	7988496	7714287	8571429
1057901									
11	3	8.0	57	1395	1285	1334	9048175	8571430	9428572
941440									
12	1	13.0	78	1384	0	0	9993629	9428573	10285715
829002									
13	1	9.0	93	1247	0	0	10824015	10285716	11142858
514224									
14	2	20.0	70	1479	1787	0	11339486	11142859	12000001

Total number of pulses in waveform = 26

♀

Waveform Num = 23
Num of Bursts = 16
Burst Interval (us) = 750000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	40926	2	10.0	55	1272	1516	0	40926	0	749999
2	881512	2	17.0	81	1166	1044	0	925226	750000	1499999
3	1234367	2	8.0	55	1089	1181	0	2161803	1500000	2249999
4	789482	2	6.0	78	1457	1661	0	2953555	2250000	2999999
5	231704	2	15.0	66	1985	1573	0	3188377	3000000	3749999
6	1069990	2	18.0	90	1621	1560	0	4261925	3750000	4499999
7	486324	2	17.0	58	1851	1799	0	4751430	4500000	5249999
8	789367	3	9.0	51	1165	1985	1403	5544447	5250000	5999999
9	849635	1	12.0	74	1735	0	0	6398635	6000000	6749999
10	1065408	2	19.0	95	1190	1098	0	7465778	6750000	7499999
11	315620	3	10.0	62	1862	1870	1673	7783686	7500000	8249999
12	1209165	1	9.0	66	1567	0	0	8998256	8250000	8999999
13	381415	2	13.0	79	1492	1805	0	9381238	9000000	9749999
	423384									

14	1	10.0	72	1035	0	0	9807919	9750000	10499999
1403050									
15	1	10.0	96	1148	0	0	11212004	10500000	11249999
487589									
16	1	8.0	67	1677	0	0	11700741	11250000	11999999

Total number of pulses in waveform = 29

♀

Waveform Num = 24
Num of Bursts = 20
Burst Interval (us) = 600000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	233116	3	14.0	52	1009	1339	1202	233116	0	599999
2	753597	1	18.0	62	1647	0	0	990263	600000	1199999
3	693333	3	15.0	50	1855	1411	1869	1685243	1200000	1799999
4	114040	3	12.0	54	1748	1349	1848	1804418	1800000	2399999
5	1122729	2	17.0	70	1684	1681	0	2932092	2400000	2999999
6	535033	1	18.0	86	1491	0	0	3470490	3000000	3599999
7	600139	1	18.0	71	1903	0	0	4072120	3600000	4199999
8	553648	3	12.0	72	1279	1915	1084	4627671	4200000	4799999
9	488431	2	7.0	81	1688	1875	0	5120380	4800000	5399999
10	620693	3	16.0	81	1015	1847	1536	5744636	5400000	5999999
11	642922	3	13.0	84	1709	1239	1984	6391956	6000000	6599999
12	294142	1	20.0	76	1865	0	0	6691030	6600000	7199999
13	942082	2	11.0	81	1686	1584	0	7634977	7200000	7799999
14	660559	1	11.0	81	1847	0	0	8298806	7800000	8399999
15	102354	1	14.0	69	1774	0	0	8403007	8400000	8999999
16	1121558	3	6.0	65	1461	1043	1177	9526339	9000000	9599999
17	661046	2	8.0	79	1787	1347	0	10191066	9600000	10199999
	104733									

18	2	18.0	75	1117	1743	0	10298933	10200000	10799999
544555									
19	2	8.0	52	1518	1701	0	10846348	10800000	11399999
812494									
20	3	14.0	92	1018	1288	1641	11662061	11400000	11999999

Total number of pulses in waveform = 42

♀

Waveform Num = 25
Num of Bursts = 9
Burst Interval (us) = 1333333.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	805207	1	8.0	75	1163	0	0	805207	0	1333332
2	910114	2	9.0	79	1641	1348	0	1716484	1333333	2666665
3	1080586	1	6.0	94	1072	0	0	2800059	2666666	3999998
4	1774886	1	16.0	59	1690	0	0	4576017	3999999	5333331
5	2080278	3	12.0	100	1164	1420	1784	6657985	5333332	6666664
6	71063	1	10.0	53	1102	0	0	6733416	6666665	7999997
7	1310645	1	20.0	79	1621	0	0	8045163	7999998	9333330
8	1940793	3	16.0	63	1277	1969	1922	9987577	9333331	10666663
9	1834280	1	17.0	96	1231	0	0	11827025	10666664	11999996

Total number of pulses in waveform = 14

♀

Waveform Num = 26
Num of Bursts = 15
Burst Interval (us) = 800000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	601715	2	5.0	64	1165	1541	0	601715	0	799999
2	226510	1	17.0	94	1719	0	0	830931	800000	1599999
3	1194477	1	16.0	51	1532	0	0	2027127	1600000	2399999
4	717411	1	11.0	59	1929	0	0	2746070	2400000	3199999
	499488									

5	3	9.0	91	1495	1425	1906	3247487	3200000	3999999
1086695									
6	1	6.0	77	1238	0	0	4339008	4000000	4799999
745421									
7	3	14.0	91	1537	1148	1607	5085667	4800000	5599999
993578									
8	1	12.0	73	1855	0	0	6083537	5600000	6399999
779749									
9	3	19.0	96	1576	1999	1038	6865141	6400000	7199999
776061									
10	2	19.0	63	1779	1761	0	7645815	7200000	7999999
601196									
11	2	11.0	50	1187	1062	0	8250551	8000000	8799999
731681									
12	2	7.0	50	1310	1293	0	8984481	8800000	9599999
1182387									
13	3	11.0	63	1490	1336	1809	10169471	9600000	10399999
819258									
14	1	7.0	72	1682	0	0	10993364	10400000	11199999
226887									
15	1	12.0	84	1513	0	0	11221933	11200000	11999999

Total number of pulses in waveform = 27

♀

Waveform Num = 27
Num of Bursts = 19
Burst Interval (us) = 631579.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	440091	2	8.0	90	1755	1262	0	440091	0	631578
293565										
2		3	20.0	77	1552	1603	1191	736673	631579	1263157
768046										
3		2	11.0	82	1140	1955	0	1509065	1263158	1894736
596610										
4		2	20.0	79	1158	1474	0	2108770	1894737	2526315
960219										
5		3	14.0	59	1099	1544	1682	3071621	2526316	3157894
411049										
6		3	17.0	59	1515	1803	1122	3486995	3157895	3789473
316970										
7		2	11.0	77	1880	1562	0	3808405	3789474	4421052
732281										
8		2	16.0	63	1926	1938	0	4544128	4421053	5052631
569808										
9		2	13.0	81	1972	1660	0	5117800	5052632	5684210
901367										

10	3	14.0	79	1050	1843	1229	6022799	5684211	6315789
798425									
11	2	10.0	97	1456	1453	0	6825346	6315790	6947368
128039									
12	2	12.0	92	1678	1938	0	6956294	6947369	7578947
1139712									
13	3	10.0	65	1869	1315	1956	8099622	7578948	8210526
652884									
14	2	5.0	78	1411	1852	0	8757646	8210527	8842105
91835									
15	1	9.0	70	1007	0	0	8852744	8842106	9473684
845817									
16	2	17.0	71	1441	1867	0	9699568	9473685	10105263
1022733									
17	1	6.0	69	1625	0	0	10725609	10105264	10736842
636122									
18	2	12.0	86	1868	1500	0	11363356	10736843	11368421
571214									
19	1	13.0	97	1465	0	0	11937938	11368422	12000000

Total number of pulses in waveform = 40

♀

Waveform Num = 28
Num of Bursts = 17
Burst Interval (us) = 705882.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	647689	1	5.0	86	1522	0	0	647689	0	705881
2	719699	2	18.0	61	1580	1196	0	1368910	705882	1411763
3	113886	3	15.0	61	1576	1993	1113	1485572	1411764	2117645
4	1323956	1	9.0	51	1646	0	0	2814210	2117646	2823527
5	410567	1	11.0	64	1112	0	0	3226423	2823528	3529409
6	604984	1	16.0	76	1809	0	0	3832519	3529410	4235291
7	971861	1	20.0	65	1049	0	0	4806189	4235292	4941173
8	764880	2	18.0	82	1679	1691	0	5572118	4941174	5647055
9	519405	2	18.0	63	1250	1089	0	6094893	5647056	6352937
10	776032	2	17.0	98	1673	1267	0	6873264	6352938	7058819
	242614									

11	3	5.0	86	1953	1997	1102	7118818	7058820	7764701
803233									
12	3	16.0	62	1392	1798	1026	7927103	7764702	8470583
1140786									
13	2	17.0	54	1623	1818	0	9072105	8470584	9176465
219501									
14	3	19.0	78	1160	1480	1790	9295047	9176466	9882347
1093249									
15	2	5.0	54	1614	1656	0	10392726	9882348	10588229
687613									
16	3	7.0	66	1216	1854	1264	11083609	10588230	11294111
608026									
17	3	7.0	55	1303	1241	1781	11695969	11294112	11999993

Total number of pulses in waveform = 35

♀

Waveform Num = 29
Num of Bursts = 13
Burst Interval (us) = 923077.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	762570	2	20.0	68	1278	1033	0	762570	0	923076
2	218991	1	10.0	61	1130	0	0	983872	923077	1846153
3	1167406	3	20.0	85	1027	1362	1708	2152408	1846154	2769230
4	1143813	1	10.0	83	1010	0	0	3300318	2769231	3692307
5	974012	2	5.0	79	1740	1692	0	4275340	3692308	4615384
6	866345	1	19.0	74	1868	0	0	5145117	4615385	5538461
7	522595	1	6.0	81	1939	0	0	5669580	5538462	6461538
8	1039097	3	8.0	55	1713	1843	1438	6710616	6461539	7384615
9	857932	3	8.0	91	1326	1555	1955	7573542	7384616	8307692
10	860459	2	15.0	59	1389	1438	0	8438837	8307693	9230769
11	1709896	1	7.0	53	1621	0	0	10151560	9230770	10153846
12	746530	2	10.0	58	1029	1130	0	10899711	10153847	11076923
13	1056602	2	14.0	78	1420	1558	0	11958472	11076924	12000000

Total number of pulses in waveform = 24

♀
Waveform Num = 30
Num of Bursts = 8
Burst Interval (us) = 1500000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	1356223	1	12.0	93	1579	0	0	1356223	0	1499999
2	752597	1	9.0	70	1123	0	0	2110399	1500000	2999999
3	2327072	3	19.0	82	1594	1407	1389	4438594	3000000	4499999
4	929453	1	6.0	84	1863	0	0	5372437	4500000	5999999
5	1146553	3	17.0	56	1942	1483	1643	6520853	6000000	7499999
6	2335372	2	11.0	80	1501	1387	0	8861293	7500000	8999999
7	1503582	3	17.0	99	1370	1216	1938	10367763	9000000	10499999
8	196628	3	5.0	87	1227	1014	1507	10568915	10500000	11999999

Total number of pulses in waveform = 17
♀

Random DFS waveform parameters (NewBin5) 22-Jun-2015 11:41:13

Waveform Num = 1
Num of Bursts = 12
Burst Interval (us) = 1000000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	947738	1	17.0	59	1491	0	0	947738	0	999999
2	118784	1	9.0	50	1663	0	0	1068013	1000000	1999999
3	1154804	3	9.0	100	1716	1082	1582	2224480	2000000	2999999
4	1513761	3	8.0	67	1926	1212	1511	3742621	3000000	3999999
5	1203075	3	16.0	82	1234	1366	1836	4950345	4000000	4999999
6	995470	3	6.0	81	1826	1816	1903	5950251	5000000	5999999
7	776860	2	20.0	77	1749	1101	0	6732656	6000000	6999999

	1170432								
8		1	15.0	59	1220	0	0	7905938	7000000	7999999
	829987								
9		1	17.0	82	1110	0	0	8737145	8000000	8999999
	318713								
10		2	11.0	71	1882	1346	0	9056968	9000000	9999999
	1434544								
11		3	19.0	61	1829	1217	1476	10494740	10000000	10999999
	908654								
12		2	16.0	98	1732	1666	0	11407916	11000000	11999999

Total number of pulses in waveform = 25

♀

Waveform Num = 2
Num of Bursts = 12
Burst Interval (us) = 1000000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	967197									
1		3	5.0	54	1609	1590	1508	967197	0	999999
	1023284									
2		2	6.0	95	1320	2000	0	1995188	1000000	1999999
	367729									
3		1	17.0	73	1009	0	0	2366237	2000000	2999999
	1121199									
4		2	19.0	64	1941	1793	0	3488445	3000000	3999999
	1117449									
5		3	14.0	65	1415	1815	1256	4609628	4000000	4999999
	703032									
6		3	16.0	73	1901	1430	1279	5317146	5000000	5999999
	1466330									
7		2	16.0	98	1968	1358	0	6788086	6000000	6999999
	831034									
8		2	6.0	91	1673	1384	0	7622446	7000000	7999999
	1318974									
9		2	19.0	52	1925	1661	0	8944477	8000000	8999999
	139931									
10		1	9.0	51	1182	0	0	9087994	9000000	9999999
	1303482									
11		1	10.0	56	1578	0	0	10392658	10000000	10999999
	686841									
12		1	5.0	60	1094	0	0	11081077	11000000	11999999

Total number of pulses in waveform = 23

♀

Waveform Num = 3
Num of Bursts = 20
Burst Interval (us) = 600000.0

New3RandParmBin5

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	547775	1	9.0	72	1912	0	0	547775	0	599999
2	129302	1	13.0	81	1860	0	0	678989	600000	1199999
3	598993	1	19.0	78	1274	0	0	1279842	1200000	1799999
4	957662	3	11.0	52	1754	1332	1347	2238778	1800000	2399999
5	400892	1	17.0	98	1240	0	0	2644103	2400000	2999999
6	646900	3	6.0	89	1704	1942	1543	3292243	3000000	3599999
7	630711	1	14.0	69	1017	0	0	3928143	3600000	4199999
8	745108	2	15.0	75	1218	1128	0	4674268	4200000	4799999
9	515357	2	13.0	63	1465	1787	0	5191971	4800000	5399999
10	469135	2	12.0	82	1645	1095	0	5664358	5400000	5999999
11	353996	2	7.0	80	1120	1805	0	6021094	6000000	6599999
12	1089923	3	9.0	70	1959	1303	1658	7113942	6600000	7199999
13	597636	1	19.0	65	1607	0	0	7716498	7200000	7799999
14	114468	3	16.0	72	1329	1698	1737	7832573	7800000	8399999
15	990044	3	12.0	100	1588	1033	1376	8827381	8400000	8999999
16	482448	2	10.0	64	1958	1453	0	9313826	9000000	9599999
17	307639	1	17.0	81	1287	0	0	9624876	9600000	10199999
18	622771	1	20.0	84	1813	0	0	10248934	10200000	10799999
19	1083578	1	16.0	64	1730	0	0	11334325	10800000	11399999
20	282550	1	10.0	65	1659	0	0	11618605	11400000	11999999

Total number of pulses in waveform = 35

♀

Waveform Num = 4
Num of Bursts = 19
Burst Interval (us) = 631579.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	512566									
1		2	15.0	75	1664	1653	0	512566	0	631578
	626126									
2		3	12.0	82	1391	1340	1696	1142009	631579	1263157
	692392									
3		3	13.0	100	1923	1166	1448	1838828	1263158	1894736
	502801									
4		2	10.0	90	1427	1617	0	2346166	1894737	2526315
	215077									
5		2	7.0	83	1537	1423	0	2564287	2526316	3157894
	1032592									
6		1	18.0	70	1271	0	0	3599839	3157895	3789473
	526884									
7		2	14.0	71	1009	1442	0	4127994	3789474	4421052
	619782									
8		3	5.0	57	1811	1147	1156	4750227	4421053	5052631
	435970									
9		3	10.0	65	1998	1510	1583	5190311	5052632	5684210
	843890									
10		3	18.0	100	1937	1194	1091	6039292	5684211	6315789
	684068									
11		1	20.0	58	1986	0	0	6727582	6315790	6947368
	395713									
12		1	7.0	89	1402	0	0	7125281	6947369	7578947
	567526									
13		3	19.0	89	1150	1681	1138	7694209	7578948	8210526
	517849									
14		2	18.0	82	1650	1515	0	8216027	8210527	8842105
	660577									
15		1	10.0	52	1563	0	0	8879769	8842106	9473684
	1063800									
16		2	8.0	82	1636	1995	0	9945132	9473685	10105263
	266087									
17		1	13.0	51	1155	0	0	10214850	10105264	10736842
	994034									
18		1	11.0	69	1988	0	0	11210039	10736843	11368421
	352799									
19		1	18.0	66	1845	0	0	11564826	11368422	12000000

Total number of pulses in waveform = 37

♀

Waveform Num = 5
Num of Bursts = 9
Burst Interval (us) = 1333333.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)

	853976								
1		1	18.0	61	1700	0	0	853976	0	1333332
	872998								
2		1	13.0	50	1739	0	0	1728674	1333333	2666665
	1275947								
3		2	13.0	87	1935	1107	0	3006360	2666666	3999998
	1463116								
4		2	16.0	68	1159	1777	0	4472518	3999999	5333331
	1361702								
5		3	14.0	78	1512	1731	1123	5837156	5333332	6666664
	1605732								
6		3	20.0	93	1920	1460	1810	7447254	6666665	7999997
	1208549								
7		1	14.0	79	1489	0	0	8660993	7999998	9333330
	1998858								
8		2	20.0	75	1846	1675	0	10661340	9333331	10666663
	1136909								
9		1	13.0	55	1311	0	0	11801770	10666664	11999996

Total number of pulses in waveform = 16

♀

Waveform Num = 6
Num of Bursts = 16
Burst Interval (us) = 750000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	255143									
1		3	10.0	50	1043	1108	1570	255143	0	749999
	893328									
2		3	11.0	80	1874	1591	1742	1152192	750000	1499999
	919682									
3		2	11.0	76	1832	1805	0	2077081	1500000	2249999
	289720									
4		2	19.0	99	1563	1222	0	2370438	2250000	2999999
	1352250									
5		1	17.0	55	1792	0	0	3725473	3000000	3749999
	605109									
6		2	15.0	59	1236	1345	0	4332374	3750000	4499999
	677749									
7		3	9.0	58	1119	1679	1084	5012704	4500000	5249999
	283661									
8		1	13.0	79	1298	0	0	5300247	5250000	5999999
	1009426									
9		2	18.0	77	1598	1593	0	6310971	6000000	6749999
	1078291									
10		3	10.0	61	1207	1630	1739	7392453	6750000	7499999
	411048									
11		3	9.0	71	1467	1135	1716	7808077	7500000	8249999

	561448								
12		1	8.0	91	1151	0	0	8373843	8250000	8999999
	790211								
13		1	9.0	75	1719	0	0	9165205	9000000	9749999
	1087648								
14		3	18.0	84	1333	1237	1041	10254572	9750000	10499999
	977897								
15		1	10.0	95	1060	0	0	11236080	10500000	11249999
	21449								
16		2	6.0	89	1937	1500	0	11258589	11250000	11999999

Total number of pulses in waveform = 33

♀

Waveform Num = 7
Num of Bursts = 20
Burst Interval (us) = 600000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	158855									
1		3	8.0	88	1566	1781	1527	158855	0	599999
	1028786									
2		2	15.0	70	1272	1365	0	1192515	600000	1199999
	392992									
3		1	17.0	90	1185	0	0	1588144	1200000	1799999
	660513									
4		1	12.0	65	1262	0	0	2249842	1800000	2399999
	297114									
5		3	14.0	61	1013	1799	1712	2548218	2400000	2999999
	906307									
6		2	20.0	83	1677	1418	0	3459049	3000000	3599999
	645142									
7		1	20.0	87	1094	0	0	4107286	3600000	4199999
	530886									
8		2	19.0	91	1904	1254	0	4639266	4200000	4799999
	362081									
9		1	7.0	59	1765	0	0	5004505	4800000	5399999
	725638									
10		2	10.0	66	1705	1783	0	5731908	5400000	5999999
	659518									
11		2	15.0	67	1647	1170	0	6394914	6000000	6599999
	292151									
12		3	20.0	59	1196	1232	1921	6689882	6600000	7199999
	918362									
13		3	14.0	86	1927	1849	1870	7612593	7200000	7799999
	314322									
14		3	17.0	95	1716	1487	1133	7932561	7800000	8399999
	784480									
15		2	8.0	85	1636	1748	0	8721377	8400000	8999999

	726968								
16		3	8.0	67	1146	1603	1287	9451729	9000000	9599999
	396863								
17		2	13.0	85	1939	1692	0	9852628	9600000	10199999
	919348								
18		1	20.0	100	1232	0	0	10775607	10200000	10799999
	383138								
19		1	5.0	66	1177	0	0	11159977	10800000	11399999
	779251								
20		2	17.0	82	1696	1648	0	11940405	11400000	11999999

Total number of pulses in waveform = 40

♀

Waveform Num = 8
Num of Bursts = 10
Burst Interval (us) = 1200000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	397943									
1		1	5.0	58	1429	0	0	397943	0	1199999
	1494768									
2		3	14.0	60	1812	1300	1949	1894140	1200000	2399999
	952662									
3		3	19.0	64	1149	1440	1993	2851863	2400000	3599999
	1428468									
4		2	11.0	90	1596	1505	0	4284913	3600000	4799999
	1609135									
5		2	8.0	81	1153	1302	0	5897149	4800000	5999999
	1059110									
6		2	16.0	56	1494	1666	0	6958714	6000000	7199999
	1176358									
7		1	14.0	62	1325	0	0	8138232	7200000	8399999
	853076									
8		2	5.0	52	1992	1604	0	8992633	8400000	9599999
	1294950									
9		2	20.0	86	1465	1389	0	10291179	9600000	10799999
	1504112									
10		2	17.0	79	1997	1916	0	11798145	10800000	11999999

Total number of pulses in waveform = 20

♀

Waveform Num = 9
Num of Bursts = 14
Burst Interval (us) = 857143.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	29251									
1		1	20.0	94	1091	0	0	29251	0	857142

	1319996								
2		2	12.0	84	1061	1824	0	1350338	857143	1714285
	677353								
3		1	12.0	99	1949	0	0	2030576	1714286	2571428
	916513								
4		1	13.0	87	1161	0	0	2949038	2571429	3428571
	635538								
5		3	8.0	62	1739	1762	1201	3585737	3428572	4285714
	1109197								
6		2	5.0	91	1108	1531	0	4699636	4285715	5142857
	1215052								
7		2	7.0	54	1667	1188	0	5917327	5142858	6000000
	208523								
8		3	6.0	69	1614	1029	1372	6128705	6000001	6857143
	1503144								
9		3	11.0	82	1597	1186	1091	7635864	6857144	7714286
	184318								
10		1	14.0	84	1559	0	0	7824056	7714287	8571429
	1015245								
11		2	18.0	74	1965	1111	0	8840860	8571430	9428572
	1035580								
12		3	11.0	96	1921	1050	1377	9879516	9428573	10285715
	1142678								
13		2	6.0	94	1675	1910	0	11026542	10285716	11142858
	640532								
14		1	15.0	50	1733	0	0	11670659	11142859	12000001

Total number of pulses in waveform = 27

♀

Waveform Num = 10
Num of Bursts = 17
Burst Interval (us) = 705882.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	28727									
1		3	16.0	88	1940	1487	1581	28727	0	705881
	1092838									
2		3	12.0	73	1550	1093	1982	1126573	705882	1411763
	470792									
3		1	10.0	60	1877	0	0	1601990	1411764	2117645
	666204									
4		2	13.0	68	1533	1048	0	2270071	2117646	2823527
	556137									
5		1	5.0	75	1216	0	0	2828789	2823528	3529409
	1356640									
6		2	17.0	79	1260	1404	0	4186645	3529410	4235291
	51140									
7		2	7.0	90	1480	1934	0	4240449	4235292	4941173

	1075916								
8		1	20.0	99	1954	0	0	5319779	4941174	5647055
	486488								
9		1	12.0	62	1572	0	0	5808221	5647056	6352937
	1201345								
10		2	16.0	97	1325	1673	0	7011138	6352938	7058819
	356312								
11		3	11.0	51	1558	1221	1962	7370448	7058820	7764701
	665743								
12		2	12.0	95	1798	1365	0	8040932	7764702	8470583
	497523								
13		3	5.0	72	1001	1168	1009	8541618	8470584	9176465
	1274528								
14		1	10.0	84	1948	0	0	9819324	9176466	9882347
	186648								
15		1	13.0	63	1710	0	0	10007920	9882348	10588229
	1095048								
16		1	13.0	96	1014	0	0	11104678	10588230	11294111
	344358								
17		1	7.0	64	1071	0	0	11450050	11294112	11999993

Total number of pulses in waveform = 30

♀

Waveform Num = 11
Num of Bursts = 20
Burst Interval (us) = 600000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	1950									
1		1	19.0	83	1259	0	0	1950	0	599999
	943978									
2		3	5.0	92	1670	1417	1126	947187	600000	1199999
	815121									
3		2	11.0	71	1237	1695	0	1766521	1200000	1799999
	186711									
4		2	13.0	100	1206	1999	0	1956164	1800000	2399999
	467771									
5		3	10.0	78	1105	1766	1862	2427140	2400000	2999999
	637213									
6		2	6.0	59	1019	1972	0	3069086	3000000	3599999
	926249									
7		1	19.0	68	1496	0	0	3998326	3600000	4199999
	776819									
8		3	7.0	64	1655	1092	1098	4776641	4200000	4799999
	493176									
9		1	11.0	95	1066	0	0	5273662	4800000	5399999
	650395									
10		3	12.0	66	1838	1245	1923	5925123	5400000	5999999

11	99290	1	16.0	85	1536	0	0	6029419	6000000	6599999
12	580120	1	15.0	79	1989	0	0	6611075	6600000	7199999
13	1085729	3	20.0	52	1340	1828	1542	7698793	7200000	7799999
14	383369	2	15.0	50	1073	1806	0	8086872	7800000	8399999
15	811573	1	14.0	66	1370	0	0	8901324	8400000	8999999
16	619416	1	14.0	98	1612	0	0	9522110	9000000	9599999
17	526556	3	12.0	56	1910	1894	1279	10050278	9600000	10199999
18	213278	2	14.0	83	1460	1434	0	10268639	10200000	10799999
19	735489	1	6.0	55	1919	0	0	11007022	10800000	11399999
20	541537	3	8.0	63	1375	1419	1860	11550478	11400000	11999999

Total number of pulses in waveform = 39

♀

Waveform Num = 12
Num of Bursts = 13
Burst Interval (us) = 923077.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	834318	1	8.0	57	1224	0	0	834318	0	923076
2	377114	2	15.0	83	1753	1075	0	1212656	923077	1846153
3	824909	1	5.0	59	1862	0	0	2040393	1846154	2769230
4	802517	3	19.0	67	1814	1265	1980	2844772	2769231	3692307
5	1684237	2	12.0	100	1274	1883	0	4534068	3692308	4615384
6	139145	3	8.0	84	1071	1501	1392	4676370	4615385	5538461
7	1709698	2	18.0	64	1776	1303	0	6390032	5538462	6461538
8	910876	1	7.0	60	1889	0	0	7303987	6461539	7384615
9	553856	2	12.0	73	1964	1486	0	7859732	7384616	8307692
10	864424	1	9.0	97	1278	0	0	8727606	8307693	9230769

	527557								
11		3	19.0	100	1036	1998	1126	9256441	9230770	10153846
	1190147								
12		1	15.0	65	1386	0	0	10450748	10153847	11076923
	1088156								
13		2	12.0	99	1784	1898	0	11540290	11076924	12000000

Total number of pulses in waveform = 24

♀

Waveform Num = 13
Num of Bursts = 20
Burst Interval (us) = 600000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	582934									
1		2	6.0	79	1005	1118	0	582934	0	599999
	522832									
2		2	19.0	86	1492	1186	0	1107889	600000	1199999
	255899									
3		3	19.0	95	1672	1745	1379	1366466	1200000	1799999
	839733									
4		2	20.0	91	1214	1059	0	2210995	1800000	2399999
	665552									
5		1	6.0	90	1295	0	0	2878820	2400000	2999999
	523039									
6		1	8.0	77	1039	0	0	3403154	3000000	3599999
	561140									
7		1	11.0	53	1862	0	0	3965333	3600000	4199999
	696325									
8		2	5.0	88	1520	1926	0	4663520	4200000	4799999
	660502									
9		2	11.0	67	1529	1908	0	5327468	4800000	5399999
	118596									
10		2	20.0	50	1107	1666	0	5449501	5400000	5999999
	799192									
11		1	11.0	70	1371	0	0	6251466	6000000	6599999
	804401									
12		2	8.0	62	1429	1766	0	7057238	6600000	7199999
	591651									
13		3	16.0	77	1765	1148	1054	7652084	7200000	7799999
	466890									
14		1	14.0	65	1233	0	0	8122941	7800000	8399999
	474575									
15		3	9.0	85	1758	1029	1625	8598749	8400000	8999999
	894466									
16		3	9.0	60	1028	1789	1368	9497627	9000000	9599999
	670722									
17		1	7.0	70	1894	0	0	10172534	9600000	10199999

	571596								
18		2	12.0	73	1976	1542	0	10746024	10200000	10799999
	533231								
19		2	7.0	83	1083	1633	0	11282773	10800000	11399999
	605662								
20		3	17.0	83	1050	1314	1652	11891151	11400000	11999999

Total number of pulses in waveform = 39

♀

Waveform Num = 14
Num of Bursts = 19
Burst Interval (us) = 631579.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	68254									
1		1	8.0	82	1289	0	0	68254	0	631578
	1040242									
2		3	11.0	75	1183	1391	1532	1109785	631579	1263157
	520959									
3		3	20.0	84	1937	1052	1245	1634850	1263158	1894736
	780815									
4		3	12.0	91	1814	1398	1635	2419899	1894737	2526315
	206377									
5		1	12.0	78	1418	0	0	2631123	2526316	3157894
	637942									
6		3	12.0	61	1402	1112	1948	3270483	3157895	3789473
	1050441									
7		2	15.0	68	1536	1350	0	4325386	3789474	4421052
	133338									
8		1	9.0	90	1625	0	0	4461610	4421053	5052631
	664377									
9		2	6.0	88	1267	1886	0	5127612	5052632	5684210
	570390									
10		3	14.0	66	1777	1149	1669	5701155	5684211	6315789
	1092037									
11		3	6.0	59	1738	1355	1801	6797787	6315790	6947368
	410092									
12		2	7.0	89	1349	1316	0	7212773	6947369	7578947
	714384									
13		2	16.0	67	1905	1171	0	7929822	7578948	8210526
	297916									
14		3	11.0	53	1185	1757	1075	8230814	8210527	8842105
	1202961									
15		3	14.0	87	1024	1251	1264	9437792	8842106	9473684
	413786									
16		1	9.0	68	1176	0	0	9855117	9473685	10105263
	851777									
17		2	8.0	82	1196	1978	0	10708070	10105264	10736842

	217250								
18		2	7.0	93	1148	1075	0	10928494	10736843	11368421
	963506								
19		2	8.0	84	1412	1495	0	11894223	11368422	12000000

Total number of pulses in waveform = 42

♀

Waveform Num = 15
Num of Bursts = 14
Burst Interval (us) = 857143.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	16812									
1		3	11.0	69	1767	1091	1211	16812	0	857142
	1155605									
2		1	5.0	56	1107	0	0	1176486	857143	1714285
	579708									
3		2	20.0	76	1711	1475	0	1757301	1714286	2571428
	1152138									
4		3	17.0	63	1005	1261	1923	2912625	2571429	3428571
	1023123									
5		3	9.0	90	1215	1721	1061	3939937	3428572	4285714
	538253									
6		1	13.0	72	1504	0	0	4482187	4285715	5142857
	966219									
7		2	5.0	56	1341	1528	0	5449910	5142858	6000000
	1241250									
8		1	6.0	51	1741	0	0	6694029	6000001	6857143
	511212									
9		1	12.0	55	1796	0	0	7206982	6857144	7714286
	636389									
10		2	11.0	79	1442	1520	0	7845167	7714287	8571429
	1273985									
11		2	8.0	84	1174	1485	0	9122114	8571430	9428572
	448294									
12		2	9.0	65	1676	1945	0	9573067	9428573	10285715
	861148									
13		2	7.0	72	1909	1155	0	10437836	10285716	11142858
	951900									
14		2	18.0	55	1243	1155	0	11392800	11142859	12000001

Total number of pulses in waveform = 27

♀

Waveform Num = 16
Num of Bursts = 20
Burst Interval (us) = 600000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)

1	138088	1	6.0	62	1023	0	0	138088	0	599999
2	978974	1	8.0	66	1537	0	0	1118085	600000	1199999
3	407223	3	10.0	91	1837	1882	1542	1526845	1200000	1799999
4	583592	2	16.0	75	1487	1493	0	2115698	1800000	2399999
5	710023	1	10.0	84	1632	0	0	2828701	2400000	2999999
6	280469	3	10.0	92	1108	1079	1078	3110802	3000000	3599999
7	533952	1	9.0	100	1634	0	0	3648019	3600000	4199999
8	1085599	3	20.0	55	1168	1438	1221	4735252	4200000	4799999
9	490869	1	7.0	56	1460	0	0	5229948	4800000	5399999
10	178551	1	19.0	65	1413	0	0	5409959	5400000	5999999
11	602021	2	15.0	91	1061	1990	0	6013393	6000000	6599999
12	864901	1	10.0	55	1333	0	0	6881345	6600000	7199999
13	844277	1	7.0	88	1388	0	0	7726955	7200000	7799999
14	547961	1	20.0	58	1244	0	0	8276304	7800000	8399999
15	293686	2	6.0	94	1850	1274	0	8571234	8400000	8999999
16	543864	3	8.0	83	1224	1209	1556	9118222	9000000	9599999
17	675827	2	20.0	69	1123	1077	0	9798038	9600000	10199999
18	868823	1	9.0	73	1245	0	0	10669061	10200000	10799999
19	453187	3	15.0	88	1882	1043	1354	11123493	10800000	11399999
20	465200	3	20.0	97	1077	1524	1560	11592972	11400000	11999999

Total number of pulses in waveform = 36

♀

Waveform Num = 17
Num of Bursts = 13
Burst Interval (us) = 923077.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)

1	373404	3	10.0	99	1068	1968	1805	373404	0	923076
2	1282035	3	10.0	62	1033	1931	1519	1660280	923077	1846153
3	439627	3	7.0	90	1444	1955	1527	2104390	1846154	2769230
4	1143259	2	14.0	83	1144	1678	0	3252575	2769231	3692307
5	1261977	1	9.0	83	1842	0	0	4517374	3692308	4615384
6	731720	1	5.0	72	1593	0	0	5250936	4615385	5538461
7	1025895	2	5.0	78	1826	1771	0	6278424	5538462	6461538
8	973559	3	19.0	57	1694	1337	1331	7255580	6461539	7384615
9	285096	1	12.0	54	1015	0	0	7545038	7384616	8307692
10	1393096	1	11.0	64	1916	0	0	8939149	8307693	9230769
11	1024389	1	7.0	100	1946	0	0	9965454	9230770	10153846
12	697574	1	16.0	89	1527	0	0	10664974	10153847	11076923
13	516223	3	18.0	53	1329	1236	1295	11182724	11076924	12000000

Total number of pulses in waveform = 25

♀

Waveform Num = 18
Num of Bursts = 20
Burst Interval (us) = 600000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	444904	1	16.0	95	1461	0	0	444904	0	599999
2	365470	3	13.0	69	1316	1126	1901	811835	600000	1199999
3	432385	3	7.0	98	1614	1763	1027	1248563	1200000	1799999
4	575498	1	10.0	52	1533	0	0	1828465	1800000	2399999
5	1080695	1	6.0	78	1525	0	0	2910693	2400000	2999999
6	103228	2	13.0	82	1625	1436	0	3015446	3000000	3599999
7	891773	3	5.0	58	1466	1205	1610	3910280	3600000	4199999

8	682078	3	10.0	99	1172	1994	1350	4596639	4200000	4799999
9	252357	2	11.0	97	1638	1001	0	4853512	4800000	5399999
10	1141956	1	9.0	75	1726	0	0	5998107	5400000	5999999
11	583375	3	14.0	98	1732	1303	1614	6583208	6000000	6599999
12	199659	2	11.0	96	1217	1949	0	6787516	6600000	7199999
13	488827	1	12.0	50	1532	0	0	7279509	7200000	7799999
14	1024362	1	8.0	64	1632	0	0	8305403	7800000	8399999
15	290093	3	17.0	92	1916	1356	1005	8597128	8400000	8999999
16	920435	1	14.0	81	1559	0	0	9521840	9000000	9599999
17	614313	1	6.0	73	1714	0	0	10137712	9600000	10199999
18	421110	2	6.0	54	1184	1531	0	10560536	10200000	10799999
19	319907	3	15.0	73	1671	1799	1687	10883158	10800000	11399999
20	1037631	1	19.0	58	1431	0	0	11925946	11400000	11999999

Total number of pulses in waveform = 38

♀

Waveform Num = 19
Num of Bursts = 19
Burst Interval (us) = 631579.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	571858	2	16.0	87	1894	1507	0	571858	0	631578
2	406932	3	13.0	63	1493	1673	1517	982191	631579	1263157
3	319035	1	5.0	85	1309	0	0	1305909	1263158	1894736
4	1070884	3	15.0	53	1957	1739	1666	2378102	1894737	2526315
5	330781	1	8.0	58	1904	0	0	2714245	2526316	3157894
6	1041867	1	14.0	71	1034	0	0	3758016	3157895	3789473
7	505844	2	12.0	89	1490	1173	0	4264894	3789474	4421052

256410									
8	1	6.0	99	1175	0	0	4523967	4421053	5052631
947830									
9	1	7.0	78	1090	0	0	5472972	5052632	5684210
711933									
10	2	10.0	51	1672	1699	0	6185995	5684211	6315789
247442									
11	1	6.0	100	1448	0	0	6436808	6315790	6947368
927055									
12	3	9.0	66	1856	1644	1048	7365311	6947369	7578947
257286									
13	1	14.0	77	1228	0	0	7627145	7578948	8210526
594220									
14	1	14.0	62	1817	0	0	8222593	8210527	8842105
656048									
15	2	16.0	54	1698	1974	0	8880458	8842106	9473684
613287									
16	1	16.0	74	1044	0	0	9497417	9473685	10105263
617679									
17	3	12.0	50	1475	1621	1239	10116140	10105264	10736842
982600									
18	2	18.0	53	1796	1707	0	11103075	10736843	11368421
622830									
19	1	12.0	75	1923	0	0	11729408	11368422	12000000

Total number of pulses in waveform = 32

♀

Waveform Num = 20
Num of Bursts = 19
Burst Interval (us) = 631579.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	585492									
1		2	16.0	54	1972	1094	0	585492	0	631578
	606404									
2		1	7.0	99	1735	0	0	1194962	631579	1263157
	315140									
3		2	16.0	98	1052	1317	0	1511837	1263158	1894736
	513312									
4		2	7.0	94	1571	1273	0	2027518	1894737	2526315
	1083165									
5		1	15.0	66	1209	0	0	3113527	2526316	3157894
	196655									
6		1	9.0	66	1706	0	0	3311391	3157895	3789473
	855274									
7		1	18.0	63	1368	0	0	4168371	3789474	4421052
	807214									
8		3	17.0	74	1285	1565	1442	4976953	4421053	5052631

506904									
9	3	12.0	83	1062	1503	1869	5488149	5052632	5684210
473655									
10	1	8.0	52	1010	0	0	5966238	5684211	6315789
974082									
11	3	15.0	66	1925	1747	1464	6941330	6315790	6947368
370884									
12	1	20.0	58	1807	0	0	7317350	6947369	7578947
809503									
13	3	14.0	83	1902	1126	1721	8128660	7578948	8210526
364991									
14	3	18.0	58	1313	1545	1777	8498400	8210527	8842105
921404									
15	1	10.0	64	1441	0	0	9424439	8842106	9473684
201498									
16	1	15.0	92	1232	0	0	9627378	9473685	10105263
820784									
17	3	13.0	64	1368	1659	1775	10449394	10105264	10736842
586558									
18	3	17.0	53	1422	1467	1483	11040754	10736843	11368421
677408									
19	3	20.0	64	1126	1458	1750	11722534	11368422	12000000

Total number of pulses in waveform = 38

♀

Waveform Num = 21
Num of Bursts = 12
Burst Interval (us) = 1000000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	559819									
1		1	17.0	88	1486	0	0	559819	0	999999
	1025879									
2		1	20.0	79	1018	0	0	1587184	1000000	1999999
	934871									
3		1	20.0	56	1838	0	0	2523073	2000000	2999999
	688411									
4		3	9.0	81	1124	1907	1415	3213322	3000000	3999999
	1559746									
5		3	8.0	77	1172	1469	1522	4777514	4000000	4999999
	406074									
6		3	13.0	65	1363	1569	1198	5187751	5000000	5999999
	1464730									
7		3	6.0	86	1734	1679	1150	6656611	6000000	6999999
	1024785									
8		2	15.0	84	1301	1661	0	7685959	7000000	7999999
	879560									
9		1	11.0	59	1994	0	0	8568481	8000000	8999999

	1019765								
10		3	8.0	87	1574	1099	1583	9590240	9000000	9999999
	871620								
11		1	7.0	59	1526	0	0	10466116	10000000	10999999
	706747								
12		1	12.0	68	1055	0	0	11174389	11000000	11999999

Total number of pulses in waveform = 23

♀

Waveform Num = 22
Num of Bursts = 20
Burst Interval (us) = 600000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	205496									
1		1	13.0	73	1777	0	0	205496	0	599999
	975529									
2		2	7.0	91	1508	1095	0	1182802	600000	1199999
	172446									
3		2	15.0	90	1534	1833	0	1357851	1200000	1799999
	1022536									
4		3	18.0	88	1151	1854	1864	2383754	1800000	2399999
	217801									
5		2	12.0	99	1248	1560	0	2606424	2400000	2999999
	665319									
6		2	17.0	74	1558	1102	0	3274551	3000000	3599999
	783421									
7		2	17.0	75	1838	1124	0	4060632	3600000	4199999
	728439									
8		3	7.0	99	1706	1143	1163	4792033	4200000	4799999
	563855									
9		2	19.0	58	1847	1707	0	5359900	4800000	5399999
	518953									
10		2	8.0	69	1843	1894	0	5882407	5400000	5999999
	383779									
11		3	12.0	92	1095	1093	1919	6269923	6000000	6599999
	825910									
12		2	17.0	99	1433	1465	0	7099940	6600000	7199999
	447002									
13		2	8.0	62	1425	1777	0	7549840	7200000	7799999
	705736									
14		1	16.0	53	1080	0	0	8258778	7800000	8399999
	634463									
15		3	12.0	60	1410	1669	1849	8894321	8400000	8999999
	171463									
16		3	19.0	95	1487	1490	1410	9070712	9000000	9599999
	991530									
17		2	20.0	96	1643	1420	0	10066629	9600000	10199999

	344172								
18		1	17.0	74	1341	0	0	10413864	10200000	10799999
	848364								
19		1	5.0	89	1342	0	0	11263569	10800000	11399999
	450670								
20		3	15.0	72	1407	1475	1358	11715581	11400000	11999999

Total number of pulses in waveform = 42

♀

Waveform Num = 23
Num of Bursts = 19
Burst Interval (us) = 631579.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	283030									
1		3	20.0	56	1685	1249	1916	283030	0	631578
	440675									
2		3	20.0	58	1570	1285	1311	728555	631579	1263157
	989679									
3		1	13.0	62	1271	0	0	1722400	1263158	1894736
	679529									
4		3	10.0	86	1277	1837	1846	2403200	1894737	2526315
	462682									
5		2	5.0	89	1453	1128	0	2870842	2526316	3157894
	596290									
6		3	12.0	86	1595	1502	1855	3469713	3157895	3789473
	380338									
7		2	12.0	54	1461	1926	0	3855003	3789474	4421052
	1026300									
8		3	16.0	82	1916	1383	1343	4884690	4421053	5052631
	779969									
9		3	18.0	75	1959	1514	1355	5669301	5052632	5684210
	188168									
10		1	10.0	76	1964	0	0	5862297	5684211	6315789
	665105									
11		3	9.0	95	1256	1961	1594	6529366	6315790	6947368
	801297									
12		2	18.0	56	1806	1993	0	7335474	6947369	7578947
	382191									
13		3	16.0	63	1137	1380	1761	7721464	7578948	8210526
	754206									
14		2	6.0	89	1182	1769	0	8479948	8210527	8842105
	752972									
15		3	15.0	81	1967	1475	1353	9235871	8842106	9473684
	235274									
16		3	14.0	70	1992	1443	1117	9475940	9473685	10105263
	873877									
17		1	20.0	85	1243	0	0	10354369	10105264	10736842

	747969								
18		2	18.0	85	1369	1496	0	11103581	10736843	11368421
	427775								
19		1	19.0	62	1436	0	0	11534221	11368422	12000000

Total number of pulses in waveform = 44

♀

Waveform Num = 24
Num of Bursts = 14
Burst Interval (us) = 857143.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	565397									
1		3	11.0	75	1718	1280	1625	565397	0	857142
	719749									
2		1	6.0	68	1250	0	0	1289769	857143	1714285
	710112									
3		3	7.0	52	1730	1635	1955	2001131	1714286	2571428
	1041673									
4		1	8.0	87	1397	0	0	3048124	2571429	3428571
	631932									
5		2	18.0	69	1076	1142	0	3681453	3428572	4285714
	806546									
6		3	15.0	95	1215	1674	1989	4490217	4285715	5142857
	737830									
7		3	9.0	66	1095	1419	1881	5232925	5142858	6000000
	963888									
8		1	13.0	80	1626	0	0	6201208	6000001	6857143
	1398296									
9		1	17.0	96	1413	0	0	7601130	6857144	7714286
	151374									
10		3	15.0	92	1172	1234	1677	7753917	7714287	8571429
	1181924									
11		1	5.0	89	1767	0	0	8939924	8571430	9428572
	929255									
12		2	20.0	74	1438	1090	0	9870946	9428573	10285715
	905235									
13		2	10.0	83	1455	1583	0	10778709	10285716	11142858
	465715									
14		3	15.0	84	1625	1492	1204	11247462	11142859	12000001

Total number of pulses in waveform = 29

♀

Waveform Num = 25
Num of Bursts = 8
Burst Interval (us) = 1500000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)

	105926								
1		3	9.0	69	1847	1218	1956	105926	0	1499999
	2792237								
2		1	11.0	90	1947	0	0	2903184	1500000	2999999
	664691								
3		3	5.0	59	1204	1776	1438	3569822	3000000	4499999
	2087963								
4		2	14.0	56	1052	1575	0	5662203	4500000	5999999
	998888								
5		3	5.0	70	1656	1995	1741	6663718	6000000	7499999
	841708								
6		1	6.0	79	1229	0	0	7510818	7500000	8999999
	2726294								
7		1	5.0	88	1995	0	0	10238341	9000000	10499999
	1283120								
8		3	13.0	95	1840	1350	1433	11523456	10500000	11999999

Total number of pulses in waveform = 17

♀

Waveform Num = 26
Num of Bursts = 10
Burst Interval (us) = 1200000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	219212									
1		1	16.0	77	2000	0	0	219212	0	1199999
	1054808									
2		1	6.0	93	1744	0	0	1276020	1200000	2399999
	2100511									
3		2	9.0	55	1732	1347	0	3378275	2400000	3599999
	345887									
4		3	10.0	70	1304	1460	1208	3727241	3600000	4799999
	1493066									
5		1	15.0	56	1133	0	0	5224279	4800000	5999999
	879973									
6		2	13.0	100	1237	1311	0	6105385	6000000	7199999
	1790037									
7		1	8.0	98	1352	0	0	7897970	7200000	8399999
	1523440									
8		2	18.0	73	1085	1809	0	9422762	8400000	9599999
	1172715									
9		2	16.0	98	1719	1480	0	10598371	9600000	10799999
	1264934									
10		2	16.0	57	1600	1913	0	11866504	10800000	11999999

Total number of pulses in waveform = 17

♀

Waveform Num = 27
Num of Bursts = 8

Burst Interval (us) = 1500000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	722786									
1		3	20.0	69	1070	1588	1813	722786	0	1499999
	1042477									
2		2	20.0	54	1927	1936	0	1769734	1500000	2999999
	2081042									
3		3	13.0	58	1855	1125	1195	3854639	3000000	4499999
	997178									
4		1	12.0	71	1160	0	0	4855992	4500000	5999999
	1299095									
5		3	14.0	91	1700	1568	1104	6156247	6000000	7499999
	2017192									
6		2	20.0	91	1846	1183	0	8177811	7500000	8999999
	953187									
7		3	10.0	78	1204	1905	1560	9134027	9000000	10499999
	2443366									
8		2	10.0	84	1836	1092	0	11582062	10500000	11999999

Total number of pulses in waveform = 19

♀

Waveform Num = 28
Num of Bursts = 11
Burst Interval (us) = 1090909.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	312979									
1		1	11.0	63	1563	0	0	312979	0	1090908
	1700640									
2		2	9.0	68	1741	1247	0	2015182	1090909	2181817
	1031042									
3		1	14.0	78	1836	0	0	3049212	2181818	3272726
	1197054									
4		1	19.0	95	1199	0	0	4248102	3272727	4363635
	931347									
5		2	7.0	67	1309	1307	0	5180648	4363636	5454544
	1099017									
6		3	16.0	90	1092	1559	1195	6282281	5454545	6545453
	1066920									
7		3	10.0	63	1408	1787	1094	7353047	6545454	7636362
	857910									
8		3	10.0	90	1423	1967	1576	8215246	7636363	8727271
	1130465									
9		2	9.0	69	1554	1574	0	9350677	8727272	9818180
	883239									
10		2	5.0	97	1973	1931	0	10237044	9818181	10909089

	1464643								
11		3	12.0	87	1308	1108	1390	11705591	10909090	11999998

Total number of pulses in waveform = 23

♀

Waveform Num = 29
Num of Bursts = 10
Burst Interval (us) = 1200000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	495133									
1		3	10.0	61	1819	1199	1528	495133	0	1199999
	1335587									
2		3	16.0	98	1976	1766	1003	1835266	1200000	2399999
	857719									
3		1	7.0	65	1871	0	0	2697730	2400000	3599999
	1539690									
4		2	12.0	90	1818	1809	0	4239291	3600000	4799999
	1599983									
5		1	5.0	56	1065	0	0	5842901	4800000	5999999
	875091									
6		1	13.0	91	1641	0	0	6719057	6000000	7199999
	889492									
7		3	18.0	53	1325	1155	1451	7610190	7200000	8399999
	792419									
8		1	7.0	55	1454	0	0	8406540	8400000	9599999
	2057924									
9		1	15.0	66	1666	0	0	10465918	9600000	10799999
	1365034									
10		1	9.0	80	1086	0	0	11832618	10800000	11999999

Total number of pulses in waveform = 17

♀

Waveform Num = 30
Num of Bursts = 10
Burst Interval (us) = 1200000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	217932									
1		1	11.0	67	1572	0	0	217932	0	1199999
	1094493									
2		3	9.0	50	1522	1883	1067	1313997	1200000	2399999
	1099820									
3		1	10.0	51	1855	0	0	2418289	2400000	3599999
	1938576									
4		2	15.0	53	1082	1220	0	4358720	3600000	4799999
	714504									
5		1	5.0	81	1559	0	0	5075526	4800000	5999999

	1530704								
6		2	11.0	68	1846	1352	0	6607789	6000000	7199999
	1111453								
7		3	13.0	63	1775	1974	1085	7722440	7200000	8399999
	1306265								
8		2	13.0	87	1887	1907	0	9033539	8400000	9599999
	1007356								
9		3	7.0	50	1308	1092	1782	10044689	9600000	10799999
	1102890								
10		3	8.0	65	1258	1995	1175	11151761	10800000	11999999

Total number of pulses in waveform = 21

♀

Random DFS waveform parameters (NewBin5) 22-Jun-2015 11:27:39

Waveform Num = 1
Num of Bursts = 16
Burst Interval (us) = 750000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	113839									
1		1	14.0	64	1985	0	0	113839	0	749999
	683692									
2		3	5.0	63	1325	1512	1944	799516	750000	1499999
	919579									
3		3	7.0	77	1532	1183	1059	1723876	1500000	2249999
	1249696									
4		3	8.0	73	1627	1060	1542	2977346	2250000	2999999
	526751									
5		3	17.0	80	1588	1547	1489	3508326	3000000	3749999
	870440									
6		2	7.0	92	1584	1579	0	4383390	3750000	4499999
	758758									
7		3	12.0	50	1641	1265	1634	5145311	4500000	5249999
	314677									
8		2	16.0	81	1454	1501	0	5464528	5250000	5999999
	703658									
9		2	12.0	95	1571	1679	0	6171141	6000000	6749999
	995301									
10		1	15.0	73	1063	0	0	7169692	6750000	7499999
	417642									
11		1	18.0	99	1560	0	0	7588397	7500000	8249999
	1028322									
12		3	9.0	84	1388	1339	1843	8618279	8250000	8999999
	673325									
13		3	13.0	53	1940	1438	1795	9296174	9000000	9749999
	809971									

14	1	20.0	70	1283	0	0	10111318	9750000	10499999
1116391									
15	1	9.0	58	1086	0	0	11228992	10500000	11249999
670278									
16	3	13.0	60	1973	1009	1892	11900356	11250000	11999999

Total number of pulses in waveform = 35

♀

Waveform Num = 2
Num of Bursts = 18
Burst Interval (us) = 666667.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
416533										
1		3	16.0	73	1702	1993	1005	416533	0	666666
836923										
2		1	14.0	62	1412	0	0	1258156	666667	1333333
568652										
3		2	15.0	93	1508	1612	0	1828220	1333334	2000000
709588										
4		2	7.0	54	1021	1841	0	2540928	2000001	2666667
773635										
5		2	17.0	99	1968	1641	0	3317425	2666668	3333334
50135										
6		2	9.0	51	1183	1698	0	3371169	3333335	4000001
1074880										
7		2	10.0	60	1107	1095	0	4448930	4000002	4666668
682768										
8		3	18.0	60	1807	1391	1704	5133900	4666669	5333335
787176										
9		3	18.0	59	1461	1797	1150	5925978	5333336	6000002
192720										
10		2	16.0	50	1712	1720	0	6123106	6000003	6666669
923365										
11		2	12.0	76	1798	1034	0	7049903	6666670	7333336
791925										
12		3	15.0	69	1622	1740	1523	7844660	7333337	8000003
667494										
13		3	6.0	53	1803	1735	1822	8517039	8000004	8666670
188185										
14		2	11.0	88	1778	1752	0	8710584	8666671	9333337
1152083										
15		3	11.0	90	1999	1149	1547	9866197	9333338	10000004
599516										
16		3	16.0	94	1505	1670	1705	10470408	10000005	10666671
739898										
17		2	14.0	54	1618	1133	0	11215186	10666672	11333338
136611										

18	1	6.0	82	1780	0	0	11354548	11333339	12000005

Total number of pulses in waveform = 41

♀

Waveform Num = 3
Num of Bursts = 10
Burst Interval (us) = 1200000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	340205	3	13.0	89	1451	1776	1921	340205	0	1199999
2	1124932	2	6.0	84	1516	1472	0	1470285	1200000	2399999
3	1760192	2	19.0	64	1593	1378	0	3233465	2400000	3599999
4	752472	2	9.0	87	1468	1753	0	3988908	3600000	4799999
5	1455134	3	19.0	87	1285	1725	1461	5447263	4800000	5999999
6	801919	3	6.0	76	1921	1532	1134	6253653	6000000	7199999
7	1631344	1	18.0	55	1018	0	0	7889584	7200000	8399999
8	650056	1	10.0	89	1240	0	0	8540658	8400000	9599999
9	1561729	3	19.0	89	1011	1719	1357	10103627	9600000	10799999
10	1593110	3	5.0	95	1401	1020	1719	11700824	10800000	11999999

Total number of pulses in waveform = 23

♀

Waveform Num = 4
Num of Bursts = 14
Burst Interval (us) = 857143.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	60767	3	10.0	89	1813	1283	1715	60767	0	857142
2	1518793	3	18.0	51	1671	1243	1201	1584371	857143	1714285
3	609037	1	13.0	77	1700	0	0	2197523	1714286	2571428
4	788452	2	13.0	54	1402	1092	0	2987675	2571429	3428571
5	890136	3	19.0	78	1884	1673	1772	3880305	3428572	4285714
	1197274									

6	3	5.0	100	1352	1292	1030	5082908	4285715	5142857
380547									
7	3	16.0	87	1151	1017	1124	5467129	5142858	6000000
1210182									
8	1	18.0	72	1546	0	0	6680603	6000001	6857143
451879									
9	2	15.0	95	1353	1514	0	7134028	6857144	7714286
664797									
10	2	9.0	62	1435	1529	0	7801692	7714287	8571429
1030947									
11	3	20.0	61	1768	1513	1604	8835603	8571430	9428572
777232									
12	1	8.0	78	1735	0	0	9617720	9428573	10285715
1166409									
13	3	12.0	86	1157	1539	1160	10785864	10285716	11142858
718826									
14	2	17.0	92	1721	1010	0	11508546	11142859	12000001

Total number of pulses in waveform = 32

♀

Waveform Num = 5
Num of Bursts = 14
Burst Interval (us) = 857143.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	428145	2	11.0	55	1033	1334	0	428145	0	857142
751897										
2	3	9.0	75	1736	1266	1603	1182409	857143	1714285	
802056										
3	3	16.0	75	1185	1696	1888	1989070	1714286	2571428	
835590										
4	3	8.0	84	1797	1479	1448	2829429	2571429	3428571	
1219313										
5	3	13.0	97	1398	1853	1611	4053466	3428572	4285714	
583403										
6	3	19.0	69	1741	1941	1628	4641731	4285715	5142857	
537339										
7	1	5.0	93	1730	0	0	5184380	5142858	6000000	
1089170										
8	2	5.0	58	1030	1811	0	6275280	6000001	6857143	
1118141										
9	2	16.0	55	1609	1794	0	7396262	6857144	7714286	
315468										
10	2	10.0	99	1474	1468	0	7715133	7714287	8571429	
1614434										
11	1	17.0	69	1483	0	0	9332509	8571430	9428572	
619048										

12	3	20.0	79	1502	1085	1140	9953040	9428573	10285715
683353									
13	1	16.0	50	1489	0	0	10640120	10285716	11142858
951714									
14	2	8.0	96	1008	1984	0	11593323	11142859	12000001

Total number of pulses in waveform = 31

♀

Waveform Num = 6
Num of Bursts = 13
Burst Interval (us) = 923077.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	889004	3	12.0	50	1451	1969	1028	889004	0	923076
2	96946	3	19.0	82	1253	1812	1497	990398	923077	1846153
3	1134029	1	11.0	61	1006	0	0	2128989	1846154	2769230
4	1302247	1	6.0	73	1515	0	0	3432242	2769231	3692307
5	937219	2	7.0	75	1724	1846	0	4370976	3692308	4615384
6	316931	1	11.0	52	1913	0	0	4691477	4615385	5538461
7	1062780	1	6.0	98	1249	0	0	5756170	5538462	6461538
8	867347	2	15.0	96	1217	1052	0	6624766	6461539	7384615
9	1669216	3	6.0	85	1106	1353	1282	8296251	7384616	8307692
10	63952	3	14.0	75	1049	1143	1491	8363944	8307693	9230769
11	1371974	2	5.0	75	1251	1729	0	9739601	9230770	10153846
12	1154967	3	14.0	58	1537	1220	1010	10897548	10153847	11076923
13	524899	1	8.0	78	1937	0	0	11426214	11076924	12000000

Total number of pulses in waveform = 26

♀

Waveform Num = 7
Num of Bursts = 11
Burst Interval (us) = 1090909.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	776827									

1	1	10.0	82	1664	0	0	776827	0	1090908
347307									
2	2	20.0	54	1723	1567	0	1125798	1090909	2181817
1324667									
3	1	10.0	66	1517	0	0	2453755	2181818	3272726
1262541									
4	2	5.0	72	1077	1886	0	3717813	3272727	4363635
915816									
5	3	12.0	86	1148	1669	1046	4636592	4363636	5454544
1597286									
6	2	13.0	60	1255	1790	0	6237741	5454545	6545453
1033626									
7	3	12.0	62	1707	1603	1705	7274412	6545454	7636362
1373756									
8	2	11.0	74	1356	1711	0	8653183	7636363	8727271
373492									
9	3	10.0	61	1669	1932	1691	9029742	8727272	9818180
1077783									
10	3	18.0	83	1567	1350	1118	10112817	9818181	10909089
1277192									
11	3	20.0	78	1419	1857	1026	11394044	10909090	11999998

Total number of pulses in waveform = 25

♀

Waveform Num = 8
Num of Bursts = 9
Burst Interval (us) = 1333333.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	911817	1	19.0	97	1520	0	0	911817	0	1333332
1108533										
2	3	12.0	60	1011	1329	1370	2021870	1333333	2666665	
1812724										
3	1	14.0	55	1207	0	0	3838304	2666666	3999998	
228436										
4	2	18.0	87	1418	1703	0	4067947	3999999	5333331	
1427880										
5	1	7.0	62	1537	0	0	5498948	5333332	6666664	
1634376										
6	2	15.0	50	1821	1556	0	7134861	6666665	7999997	
1928999										
7	3	5.0	95	1848	1094	1508	9067237	7999998	9333330	
556634										
8	2	20.0	57	1187	1448	0	9628321	9333331	10666663	
2244091										
9	2	8.0	90	1054	1813	0	11875047	10666664	11999996	

Total number of pulses in waveform = 17

♀
Waveform Num = 9
Num of Bursts = 18
Burst Interval (us) = 666667.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	498418									
1		3	12.0	64	1298	1431	1987	498418	0	666666
	510472									
2		1	5.0	75	1860	0	0	1013606	666667	1333333
	586051									
3		3	17.0	85	1666	1129	1991	1601517	1333334	2000000
	402015									
4		3	16.0	95	1752	1810	1796	2008318	2000001	2666667
	1002850									
5		3	5.0	87	1406	1512	1322	3016526	2666668	3333334
	539643									
6		3	14.0	97	1022	1352	1952	3560409	3333335	4000001
	506824									
7		1	17.0	70	1344	0	0	4071559	4000002	4666668
	1223747									
8		1	15.0	60	1482	0	0	5296650	4666669	5333335
	168242									
9		1	12.0	56	1100	0	0	5466374	5333336	6000002
	982352									
10		2	16.0	63	1401	1411	0	6449826	6000003	6666669
	376118									
11		1	17.0	63	1800	0	0	6828756	6666670	7333336
	829020									
12		2	10.0	92	1120	1027	0	7659576	7333337	8000003
	861762									
13		2	12.0	72	1713	1975	0	8523485	8000004	8666670
	480503									
14		3	5.0	83	1952	1544	1920	9007676	8666671	9333337
	606262									
15		1	5.0	70	1804	0	0	9619354	9333338	10000004
	689422									
16		1	10.0	100	1669	0	0	10310580	10000005	10666671
	603409									
17		2	20.0	56	1839	1089	0	10915658	10666672	11333338
	1061898									
18		3	7.0	65	1524	1317	1249	11980484	11333339	12000005

Total number of pulses in waveform = 36

♀
Waveform Num = 10
Num of Bursts = 18
Burst Interval (us) = 666667.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	292348	3	7.0	59	1250	1797	1700	292348	0	666666
2	958504	1	8.0	97	1238	0	0	1255599	666667	1333333
3	182187	1	15.0	67	1187	0	0	1439024	1333334	2000000
4	1171296	3	6.0	70	1693	1933	1397	2611507	2000001	2666667
5	86747	1	18.0	73	1915	0	0	2703277	2666668	3333334
6	946944	3	20.0	76	1107	1247	1051	3652136	3333335	4000001
7	938348	1	18.0	88	1312	0	0	4593889	4000002	4666668
8	143662	1	19.0	66	1261	0	0	4738863	4666669	5333335
9	950734	3	18.0	74	1141	1527	1201	5690858	5333336	6000002
10	587019	3	7.0	60	1978	1198	1087	6281746	6000003	6666669
11	465133	1	8.0	65	1036	0	0	6751142	6666670	7333336
12	1087942	1	16.0	92	1642	0	0	7840120	7333337	8000003
13	613465	3	5.0	53	1724	1674	1505	8455227	8000004	8666670
14	434339	1	18.0	84	1193	0	0	8894469	8666671	9333337
15	859214	3	8.0	81	1335	1480	1461	9754876	9333338	10000004
16	489632	3	20.0	98	1118	1455	1928	10248784	10000005	10666671
17	649896	1	13.0	65	1316	0	0	10903181	10666672	11333338
18	1039489	2	5.0	75	1835	1892	0	11943986	11333339	12000005

Total number of pulses in waveform = 35

♀

Waveform Num = 11
Num of Bursts = 13
Burst Interval (us) = 923077.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	484827									

1	1	5.0	60	1418	0	0	484827	0	923076
457790									
2	1	18.0	54	1080	0	0	944035	923077	1846153
1593858									
3	1	8.0	76	1210	0	0	2538973	1846154	2769230
1061181									
4	1	8.0	95	1467	0	0	3601364	2769231	3692307
408235									
5	2	19.0	56	1331	1756	0	4011066	3692308	4615384
1467134									
6	3	5.0	58	1637	1888	1016	5481287	4615385	5538461
370084									
7	2	5.0	59	1998	1409	0	5855912	5538462	6461538
609796									
8	2	20.0	94	1638	1658	0	6469115	6461539	7384615
1412447									
9	2	7.0	75	1758	1204	0	7884858	7384616	8307692
712876									
10	2	20.0	66	1613	1509	0	8600696	8307693	9230769
853125									
11	1	8.0	50	1710	0	0	9456943	9230770	10153846
1152039									
12	3	14.0	56	1733	1394	1927	10610692	10153847	11076923
954943									
13	1	11.0	100	1917	0	0	11570689	11076924	12000000

Total number of pulses in waveform = 22

♀

Waveform Num = 12
Num of Bursts = 14
Burst Interval (us) = 857143.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
273284										
1		3	14.0	50	1679	1346	1198	273284	0	857142
1273446										
2		3	17.0	95	1591	1981	1459	1550953	857143	1714285
208608										
3		1	17.0	57	1241	0	0	1764592	1714286	2571428
1530886										
4		3	8.0	65	1459	1973	1761	3296719	2571429	3428571
966949										
5		2	18.0	59	1212	1414	0	4268861	3428572	4285714
81207										
6		2	16.0	93	1126	1404	0	4352694	4285715	5142857
1618387										
7		3	13.0	68	1806	1376	1300	5973611	5142858	6000000
751587										

8	2	18.0	56	1848	1796	0	6729680	6000001	6857143
923105									
9	3	13.0	82	1925	1147	1720	7656429	6857144	7714286
485001									
10	2	6.0	83	1034	1427	0	8146222	7714287	8571429
507698									
11	2	18.0	100	1542	1738	0	8656381	8571430	9428572
1208728									
12	2	9.0	51	1189	1480	0	9868389	9428573	10285715
1002539									
13	3	12.0	59	1326	1176	1771	10873597	10285716	11142858
964563									
14	3	9.0	97	1413	1548	1790	11842433	11142859	12000001

Total number of pulses in waveform = 34

♀

Waveform Num = 13
Num of Bursts = 17
Burst Interval (us) = 705882.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	43125	3	8.0	97	1592	1649	1441	43125	0	705881
669927										
2	1	14.0	64	1358	0	0	717734	705882	1411763	
1267235										
3	1	18.0	66	1710	0	0	1986327	1411764	2117645	
167174										
4	2	10.0	63	1217	1672	0	2155211	2117646	2823527	
1203502										
5	2	11.0	56	1939	1972	0	3361602	2823528	3529409	
417402										
6	1	19.0	67	1696	0	0	3782915	3529410	4235291	
998339										
7	1	20.0	94	1660	0	0	4782950	4235292	4941173	
180788										
8	3	20.0	89	1090	1816	1769	4965398	4941174	5647055	
1167669										
9	3	19.0	63	1963	1344	1186	6137742	5647056	6352937	
724819										
10	3	9.0	100	1980	1310	1443	6867054	6352938	7058819	
616104										
11	3	20.0	81	1163	1060	1033	7487891	7058820	7764701	
344361										
12	1	19.0	64	1670	0	0	7835508	7764702	8470583	
1039994										
13	3	18.0	50	1847	1291	1928	8877172	8470584	9176465	
491130										

14	1	15.0	96	1951	0	0	9373368	9176466	9882347
717677									
15	3	18.0	55	1662	1966	1531	10092996	9882348	10588229
1052325									
16	1	17.0	63	1694	0	0	11150480	10588230	11294111
655182									
17	1	14.0	53	1970	0	0	11807356	11294112	11999993

Total number of pulses in waveform = 33

♀

Waveform Num = 14
Num of Bursts = 20
Burst Interval (us) = 600000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	142470	3	15.0	70	1731	1602	1646	142470	0	599999
2	836879	2	19.0	65	1142	1704	0	984328	600000	1199999
3	601066	1	9.0	68	1154	0	0	1588240	1200000	1799999
4	240332	3	6.0	50	1061	1433	1604	1829726	1800000	2399999
5	656112	2	9.0	100	1363	1301	0	2489936	2400000	2999999
6	1014354	2	11.0	88	1471	1161	0	3506954	3000000	3599999
7	116129	1	20.0	52	1242	0	0	3625715	3600000	4199999
8	720612	2	11.0	99	1979	1437	0	4347569	4200000	4799999
9	843870	3	13.0	99	1006	1695	1694	5194855	4800000	5399999
10	398810	3	7.0	96	1881	1563	1575	5598060	5400000	5999999
11	480517	3	7.0	83	1726	1870	1815	6083596	6000000	6599999
12	536489	1	12.0	60	1658	0	0	6625496	6600000	7199999
13	1078003	1	10.0	53	1117	0	0	7705157	7200000	7799999
14	309119	3	16.0	64	1450	1875	1151	8015393	7800000	8399999
15	397522	2	16.0	82	1325	1803	0	8417391	8400000	8999999
16	1062823	3	19.0	96	1979	1178	1900	9483342	9000000	9599999
	619811									

17	3	20.0	95	1060	1971	1965	10108210	9600000	10199999
383165									
18	3	6.0	95	1295	1732	1362	10496371	10200000	10799999
399077									
19	1	10.0	67	1092	0	0	10899837	10800000	11399999
1060889									
20	3	9.0	66	1593	1863	1234	11961818	11400000	11999999

Total number of pulses in waveform = 45

♀

Waveform Num = 15
Num of Bursts = 17
Burst Interval (us) = 705882.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	485554	3	16.0	61	1203	1739	1702	485554	0	705881
507159										
2		2	13.0	65	1287	1546	0	997357	705882	1411763
971216										
3		1	20.0	87	1835	0	0	1971406	1411764	2117645
152266										
4		2	16.0	72	1053	1609	0	2125507	2117646	2823527
714109										
5		1	20.0	69	1647	0	0	2842278	2823528	3529409
832101										
6		3	6.0	87	1282	1390	1080	3676026	3529410	4235291
734162										
7		3	11.0	69	1728	1967	1539	4413940	4235292	4941173
1137954										
8		2	17.0	59	1463	1729	0	5557128	4941174	5647055
291701										
9		2	11.0	71	1152	1286	0	5852021	5647056	6352937
848380										
10		2	14.0	50	1481	1403	0	6702839	6352938	7058819
815752										
11		2	7.0	73	1534	1209	0	7521475	7058820	7764701
383697										
12		2	8.0	76	1060	1644	0	7907915	7764702	8470583
1079183										
13		1	11.0	77	1454	0	0	8989802	8470584	9176465
323672										
14		3	11.0	81	1312	1638	1956	9314928	9176466	9882347
833453										
15		3	6.0	70	1767	1693	1171	10153287	9882348	10588229
945547										
16		2	11.0	70	1942	1862	0	11103465	10588230	11294111
555317										

17	2	6.0	90	1460	1819	0	11662586	11294112	11999993

Total number of pulses in waveform = 36

♀

Waveform Num = 16
Num of Bursts = 18
Burst Interval (us) = 666667.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	503840	2	6.0	77	1266	1055	0	503840	0	666666
2	591632	3	20.0	62	1212	1072	1064	1097793	666667	1333333
3	835704	3	6.0	90	1798	1047	1303	1936845	1333334	2000000
4	246849	3	6.0	63	1708	1120	1581	2187842	2000001	2666667
5	894942	1	15.0	65	1176	0	0	3087193	2666668	3333334
6	602793	2	8.0	81	1971	1596	0	3691162	3333335	4000001
7	616434	1	15.0	87	1215	0	0	4311163	4000002	4666668
8	877682	1	7.0	98	1763	0	0	5190060	4666669	5333335
9	295500	3	8.0	67	1495	1198	1910	5487323	5333336	6000002
10	917149	2	18.0	99	1806	1363	0	6409075	6000003	6666669
11	719057	2	16.0	93	1987	1583	0	7131301	6666670	7333336
12	672973	3	16.0	74	1927	1188	1945	7807844	7333337	8000003
13	269832	1	15.0	71	1361	0	0	8082736	8000004	8666670
14	770831	1	18.0	56	1329	0	0	8854928	8666671	9333337
15	817871	1	18.0	98	1214	0	0	9674128	9333338	10000004
16	507006	3	12.0	99	1067	1902	1792	10182348	10000005	10666671
17	629348	1	14.0	63	1132	0	0	10816457	10666672	11333338
18	1160815	3	18.0	69	1626	1259	1449	11978404	11333339	12000005

Total number of pulses in waveform = 36

♀

Waveform Num = 17

Num of Bursts = 16
Burst Interval (us) = 750000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	429466									
1		2	7.0	82	1318	1736	0	429466	0	749999
	932247									
2		3	6.0	76	1331	1849	1463	1364767	750000	1499999
	603125									
3		3	17.0	73	1454	1424	1402	1972535	1500000	2249999
	291741									
4		2	5.0	99	1895	1900	0	2268556	2250000	2999999
	1137742									
5		3	14.0	73	1256	1695	1987	3410093	3000000	3749999
	532211									
6		2	19.0	82	1189	1333	0	3947242	3750000	4499999
	559157									
7		3	18.0	97	1795	1306	1931	4508921	4500000	5249999
	1131473									
8		1	18.0	61	1829	0	0	5645426	5250000	5999999
	357778									
9		1	13.0	89	1870	0	0	6005033	6000000	6749999
	1179224									
10		1	5.0	89	1774	0	0	7186127	6750000	7499999
	656268									
11		3	18.0	90	1133	1456	1115	7844169	7500000	8249999
	999661									
12		1	16.0	59	1462	0	0	8847534	8250000	8999999
	638827									
13		3	14.0	91	1688	1909	1018	9487823	9000000	9749999
	274034									
14		2	17.0	61	1164	1951	0	9766472	9750000	10499999
	863859									
15		1	17.0	78	1163	0	0	10633446	10500000	11249999
	1294128									
16		3	10.0	75	1868	1638	1127	11928737	11250000	11999999

Total number of pulses in waveform = 34

♀

Waveform Num = 18
Num of Bursts = 15
Burst Interval (us) = 800000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	104761									
1		1	11.0	58	1491	0	0	104761	0	799999
	1109556									

2	2	13.0	99	1232	1407	0	1215808	800000	1599999
620813									
3	3	11.0	73	1195	1466	1251	1839260	1600000	2399999
783522									
4	3	7.0	84	1572	1716	1780	2626694	2400000	3199999
653640									
5	2	10.0	71	1055	1025	0	3285402	3200000	3999999
1403638									
6	1	10.0	53	1615	0	0	4691120	4000000	4799999
549857									
7	3	18.0	79	1930	1631	1644	5242592	4800000	5599999
502699									
8	2	6.0	83	1969	1504	0	5750496	5600000	6399999
897434									
9	2	6.0	63	1355	1692	0	6651403	6400000	7199999
1110952									
10	3	6.0	75	1343	1415	1091	7765402	7200000	7999999
673105									
11	2	11.0	66	1648	1616	0	8442356	8000000	8799999
887818									
12	1	16.0	99	1459	0	0	9333438	8800000	9599999
710952									
13	1	15.0	74	1017	0	0	10045849	9600000	10399999
380744									
14	1	16.0	97	1898	0	0	10427610	10400000	11199999
875337									
15	1	5.0	93	1500	0	0	11304845	11200000	11999999

Total number of pulses in waveform = 28

♀

Waveform Num = 19
Num of Bursts = 15
Burst Interval (us) = 800000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	730638	1	13.0	68	1004	0	0	730638	0	799999
2	122735	1	5.0	58	1670	0	0	854377	800000	1599999
3	1206701	3	20.0	57	1355	1451	1252	2062748	1600000	2399999
4	868799	3	10.0	79	1693	1792	1510	2935605	2400000	3199999
5	548410	3	8.0	92	1355	1278	1186	3489010	3200000	3999999
6	733221	3	20.0	90	1391	1120	1546	4226050	4000000	4799999
	998718									

7	2	8.0	98	1628	1632	0	5228825	4800000	5599999
835638									
8	1	14.0	99	1489	0	0	6067723	5600000	6399999
693607									
9	2	12.0	69	1982	1118	0	6762819	6400000	7199999
1186885									
10	2	18.0	56	1230	1738	0	7952804	7200000	7999999
203204									
11	2	8.0	100	1445	1568	0	8158976	8000000	8799999
931503									
12	2	6.0	64	1316	1400	0	9093492	8800000	9599999
1244921									
13	3	14.0	80	1350	1442	1756	10341129	9600000	10399999
361825									
14	3	16.0	90	1479	1336	1650	10707502	10400000	11199999
667463									
15	2	5.0	61	1287	1334	0	11379430	11200000	11999999

Total number of pulses in waveform = 33

♀

Waveform Num = 20
Num of Bursts = 17
Burst Interval (us) = 705882.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	248976	2	12.0	50	1231	1515	0	248976	0	705881
2	1056326	2	11.0	85	1978	1682	0	1308048	705882	1411763
3	550336	2	10.0	56	1284	1287	0	1862044	1411764	2117645
4	606259	3	16.0	95	1912	1287	1287	2470874	2117646	2823527
5	1036883	1	19.0	75	1076	0	0	3512243	2823528	3529409
6	450344	3	5.0	80	1386	1149	1742	3963663	3529410	4235291
7	803346	3	15.0	55	1954	1739	1185	4771286	4235292	4941173
8	206430	2	13.0	75	1026	1797	0	4982594	4941174	5647055
9	1305413	2	13.0	69	1430	1464	0	6290830	5647056	6352937
10	666103	3	8.0	60	1499	1866	1894	6959827	6352938	7058819
11	605425	3	17.0	71	1300	1806	1663	7570511	7058820	7764701
	589608									

12	3	15.0	84	1574	1955	1615	8164888	7764702	8470583
350817									
13	2	19.0	67	1947	1779	0	8520849	8470584	9176465
714729									
14	2	13.0	67	1105	1468	0	9239304	9176466	9882347
889447									
15	1	13.0	72	1176	0	0	10131324	9882348	10588229
557713									
16	1	9.0	92	1537	0	0	10690213	10588230	11294111
717553									
17	2	12.0	76	1691	1292	0	11409303	11294112	11999993

Total number of pulses in waveform = 37

♀

Waveform Num = 21
Num of Bursts = 15
Burst Interval (us) = 800000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	55992	3	16.0	57	1553	1794	1907	55992	0	799999
2	1214285	3	16.0	73	1578	1856	1391	1275531	800000	1599999
3	375147	3	10.0	70	1204	1486	1317	1655503	1600000	2399999
4	1184756	3	7.0	87	1793	1971	1316	2844266	2400000	3199999
5	513026	1	5.0	90	1678	0	0	3362372	3200000	3999999
6	783625	3	9.0	61	1670	1921	1884	4147675	4000000	4799999
7	1262491	2	8.0	53	1167	1023	0	5415641	4800000	5599999
8	752743	1	6.0	94	1538	0	0	6170574	5600000	6399999
9	996754	1	6.0	86	1410	0	0	7168866	6400000	7199999
10	443708	1	18.0	62	1901	0	0	7613984	7200000	7999999
11	720342	1	18.0	76	1386	0	0	8336227	8000000	8799999
12	960693	2	6.0	84	1543	1258	0	9298306	8800000	9599999
13	1080158	1	5.0	67	1050	0	0	10381265	9600000	10399999
14	533288	3	6.0	88	1708	1393	1663	10915603	10400000	11199999
	705291									

15	1	14.0	94	1464	0	0	11625658	11200000	11999999

Total number of pulses in waveform = 29

♀

Waveform Num = 22
Num of Bursts = 8
Burst Interval (us) = 1500000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	1227185									
1		1	13.0	76	1049	0	0	1227185	0	1499999
	1041662									
2		3	11.0	59	1928	1205	1988	2269896	1500000	2999999
	1537675									
3		1	14.0	84	1726	0	0	3812692	3000000	4499999
	698763									
4		1	15.0	82	1952	0	0	4513181	4500000	5999999
	2701631									
5		1	15.0	55	1590	0	0	7216764	6000000	7499999
	1273865									
6		2	16.0	91	1892	1196	0	8492219	7500000	8999999
	559171									
7		3	18.0	59	1605	1162	1198	9054478	9000000	10499999
	2246517									
8		1	20.0	82	1878	0	0	11304960	10500000	11999999

Total number of pulses in waveform = 13

♀

Waveform Num = 23
Num of Bursts = 17
Burst Interval (us) = 705882.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	146331									
1		1	10.0	100	1717	0	0	146331	0	705881
	1139646									
2		3	8.0	89	1857	1953	1252	1287694	705882	1411763
	679569									
3		1	10.0	57	1014	0	0	1972325	1411764	2117645
	647573									
4		1	20.0	77	1265	0	0	2620912	2117646	2823527
	725183									
5		3	20.0	90	1309	1315	1833	3347360	2823528	3529409
	397778									
6		1	13.0	80	1410	0	0	3749595	3529410	4235291
	993337									
7		2	9.0	98	1042	1561	0	4744342	4235292	4941173
	546833									

8	2	5.0	87	1858	1315	0	5293778	4941174	5647055
829555									
9	1	19.0	60	1336	0	0	6126506	5647056	6352937
606389									
10	3	20.0	87	1204	1000	1179	6734231	6352938	7058819
472968									
11	2	12.0	84	1488	1497	0	7210582	7058820	7764701
991738									
12	2	6.0	93	1770	1129	0	8205305	7764702	8470583
340493									
13	2	5.0	51	1223	1359	0	8548697	8470584	9176465
1273106									
14	2	12.0	93	1683	1973	0	9824385	9176466	9882347
261899									
15	2	14.0	67	1741	1636	0	10089940	9882348	10588229
1127545									
16	1	8.0	67	1580	0	0	11220862	10588230	11294111
374218									
17	3	11.0	84	1786	1563	1659	11596660	11294112	11999993

Total number of pulses in waveform = 32

♀

Waveform Num = 24
Num of Bursts = 15
Burst Interval (us) = 800000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	412149	3	10.0	63	1130	1183	1314	412149	0	799999
2	761327	1	14.0	52	1040	0	0	1177103	800000	1599999
3	666235	3	17.0	61	1715	1679	1330	1844378	1600000	2399999
4	1089940	1	13.0	69	1258	0	0	2939042	2400000	3199999
5	608371	1	13.0	70	1153	0	0	3548671	3200000	3999999
6	1242717	1	10.0	52	1058	0	0	4792541	4000000	4799999
7	682325	1	16.0	78	1343	0	0	5475924	4800000	5599999
8	420798	1	11.0	89	1436	0	0	5898065	5600000	6399999
9	546890	2	6.0	57	1250	1871	0	6446391	6400000	7199999
10	858822	2	8.0	96	1763	1189	0	7308334	7200000	7999999
	1129652									

11	2	17.0	57	1371	1004	0	8440938	8000000	8799999
1053952									
12	1	8.0	69	1619	0	0	9497265	8800000	9599999
630674									
13	2	19.0	90	1546	1626	0	10129558	9600000	10399999
390353									
14	1	7.0	79	1412	0	0	10523083	10400000	11199999
865976									
15	2	13.0	53	1441	1738	0	11390471	11200000	11999999

Total number of pulses in waveform = 24

♀

Waveform Num = 25
Num of Bursts = 9
Burst Interval (us) = 1333333.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	1153331	1	14.0	79	1953	0	0	1153331	0	1333332
2	1156249	2	20.0	99	1337	1606	0	2311533	1333333	2666665
3	1116298	2	10.0	58	1722	1340	0	3430774	2666666	3999998
4	891069	3	11.0	65	1861	1541	1444	4324905	3999999	5333331
5	2260159	3	14.0	77	1028	1595	1453	6589910	5333332	6666664
6	500313	3	16.0	58	1749	1749	1513	7094299	6666665	7999997
7	1420525	1	19.0	92	1887	0	0	8519835	7999998	9333330
8	1604458	3	13.0	91	1839	1480	1145	10126180	9333331	10666663
9	808217	2	13.0	88	1843	1317	0	10938861	10666664	11999996

Total number of pulses in waveform = 20

♀

Waveform Num = 26
Num of Bursts = 18
Burst Interval (us) = 666667.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	635786	1	5.0	66	1869	0	0	635786	0	666666
2	552337	1	20.0	63	1595	0	0	1189992	666667	1333333
	297696									

3	2	19.0	91	1054	1343	0	1489283	1333334	2000000
1121041									
4	1	16.0	96	1920	0	0	2612721	2000001	2666667
682098									
5	1	16.0	50	1124	0	0	3296739	2666668	3333334
423257									
6	3	7.0	73	1333	1874	1985	3721120	3333335	4000001
454870									
7	1	12.0	57	1168	0	0	4181182	4000002	4666668
578799									
8	2	14.0	63	1021	1315	0	4761149	4666669	5333335
1008493									
9	1	15.0	90	1203	0	0	5771978	5333336	6000002
405634									
10	2	15.0	85	1322	1140	0	6178815	6000003	6666669
562293									
11	3	17.0	55	1470	1209	1974	6743570	6666670	7333336
1077565									
12	3	10.0	56	1253	1818	1270	7825788	7333337	8000003
605401									
13	2	8.0	96	1900	1180	0	8435530	8000004	8666670
578202									
14	2	18.0	89	1243	1003	0	9016812	8666671	9333337
806018									
15	1	9.0	52	1547	0	0	9825076	9333338	10000004
789093									
16	2	18.0	86	1915	1565	0	10615716	10000005	10666671
170382									
17	1	19.0	51	1164	0	0	10789578	10666672	11333338
646586									
18	3	13.0	50	1409	1453	1280	11437328	11333339	12000005

Total number of pulses in waveform = 32

♀

Waveform Num = 27
Num of Bursts = 20
Burst Interval (us) = 600000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	216540	2	5.0	75	1788	1040	0	216540	0	599999
936705										
2	1	17.0	81	1268	0	0	1156073	600000	1199999	
60873										
3	2	20.0	58	1406	1259	0	1218214	1200000	1799999	
697011										
4	2	8.0	56	1401	1460	0	1917890	1800000	2399999	
1075029										

5	2	11.0	94	1846	1703	0	2995780	2400000	2999999
594167									
6	3	11.0	52	1968	1207	1616	3593496	3000000	3599999
167660									
7	2	12.0	85	1072	1795	0	3765947	3600000	4199999
689101									
8	1	5.0	77	1103	0	0	4457915	4200000	4799999
721650									
9	1	11.0	54	1835	0	0	5180668	4800000	5399999
456564									
10	3	13.0	57	1025	1010	1522	5639067	5400000	5999999
693893									
11	1	7.0	89	1123	0	0	6336517	6000000	6599999
550021									
12	3	19.0	55	1155	1563	1557	6887661	6600000	7199999
565479									
13	2	6.0	52	1669	1422	0	7457415	7200000	7799999
552927									
14	3	12.0	66	1192	1683	1307	8013433	7800000	8399999
799710									
15	1	15.0	91	1406	0	0	8817325	8400000	8999999
300136									
16	2	20.0	78	1636	1839	0	9118867	9000000	9599999
850730									
17	3	10.0	57	1340	1210	1956	9973072	9600000	10199999
547210									
18	1	10.0	99	1129	0	0	10524788	10200000	10799999
570106									
19	2	14.0	85	1984	1760	0	11096023	10800000	11399999
616073									
20	1	20.0	65	1799	0	0	11715840	11400000	11999999

Total number of pulses in waveform = 38

♀

Waveform Num = 28
Num of Bursts = 9
Burst Interval (us) = 1333333.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	1023682	3	7.0	84	1182	1577	1108	1023682	0	1333332
2	381684	3	15.0	86	1428	1528	1420	1409233	1333333	2666665
3	2278636	2	15.0	86	1376	1660	0	3692245	2666666	3999998
4	839305	2	20.0	76	1995	1882	0	4534586	3999999	5333331
	1190952									

5	2	20.0	82	1613	1512	0	5729415	5333332	6666664
2227608									
6	1	14.0	82	1943	0	0	7960148	6666665	7999997
116225									
7	2	16.0	71	1486	1243	0	8078316	7999998	9333330
1812848									
8	3	13.0	51	1113	1640	1219	9893893	9333331	10666663
1353148									
9	1	14.0	50	1503	0	0	11251013	10666664	11999996

Total number of pulses in waveform = 19

♀

Waveform Num = 29
Num of Bursts = 8
Burst Interval (us) = 1500000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	501741	1	10.0	75	1874	0	0	501741	0	1499999
1503192										
2	1	5.0	53	1061	0	0	2006807	1500000	2999999	
1520702										
3	3	14.0	97	1465	1303	1646	3528570	3000000	4499999	
2217705										
4	2	9.0	100	1887	1474	0	5750689	4500000	5999999	
1693189										
5	3	6.0	50	1147	1748	1988	7447239	6000000	7499999	
1468921										
6	3	18.0	62	1220	1610	1569	8921043	7500000	8999999	
278002										
7	1	17.0	89	1675	0	0	9203444	9000000	10499999	
1364940										
8	1	10.0	81	1852	0	0	10570059	10500000	11999999	

Total number of pulses in waveform = 15

♀

Waveform Num = 30
Num of Bursts = 16
Burst Interval (us) = 750000.0

Burst #	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	717681	2	8.0	51	1853	1767	0	717681	0	749999
528903										
2	2	10.0	67	1203	1332	0	1250204	750000	1499999	
535266										
3	2	7.0	76	1595	1452	0	1788005	1500000	2249999	
698819										

4	3	20.0	58	1233	1229	1611	2489871	2250000	2999999
748106									
5	1	18.0	63	1288	0	0	3242050	3000000	3749999
1042955									
6	1	6.0	58	1590	0	0	4286293	3750000	4499999
314637									
7	2	8.0	94	1061	1864	0	4602520	4500000	5249999
804513									
8	3	8.0	92	1973	1033	1131	5409958	5250000	5999999
1135893									
9	3	11.0	67	1984	1027	1077	6549988	6000000	6749999
197368									
10	1	16.0	52	1121	0	0	6751444	6750000	7499999
1046468									
11	1	15.0	50	1865	0	0	7799033	7500000	8249999
1035012									
12	1	13.0	51	1727	0	0	8835910	8250000	8999999
705655									
13	3	7.0	59	1413	1563	1870	9543292	9000000	9749999
905189									
14	3	7.0	51	1795	1056	1374	10453327	9750000	10499999
242784									
15	1	9.0	77	1458	0	0	10700336	10500000	11249999
1052529									
16	3	20.0	98	1603	1157	1401	11754323	11250000	11999999

Total number of pulses in waveform = 32

♀