

Company: RADWIN Ltd.

Test of: RADWIN 2000 JET, RADWIN 5000 JET

To: FCC Part 15 Subpart E 15.407 & ISSED RSS-247 Issue 2

Report No.: RDWN47-U6_DFS Addendum Rev A

DFS TEST REPORT ADDENDUM



DFS TEST REPORT ADDENDUM



Test of: RADWIN 2000 JET, RADWIN 5000 JET

To: FCC CFR 47 Part 15 Subpart E 15.407 & ISSED RSS-247 Issue 2

Test Report Serial No.: RDWN47-U6_DFS Rev A

This report supersedes: Type 5 Radar Signature test results from RDWN39-U9c_DFS

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1. Test Configurations

This test report was created in order to ensure compliance with the latest FCC Type 5 radar signature.

Results for the following configurations are provided in this report:

Operational Mode(s)	Data Rate with Highest Power	Channel Frequency (MHz)		
		Low	Mid	High
5470 – 5725 MHz				
10 MHz	64QAM	5500	-	-
20 MHz	64QAM	5500	-	-
40 MHz	256QAM	5510	-	-
80 MHz	256QAM	5525	-	-

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2. Dynamic Frequency Selection (DFS) Overview

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

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

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

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



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

2.1. Master Devices

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



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

2.2. Client Devices

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

2.3. DFS Detection Thresholds

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

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

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

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

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

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



2.4. Response Requirements

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

DFS Response Requirement Values

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

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

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

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



2.5. Radar Test Waveforms

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

2.5.1. Short Radar Pulses

Short Pulse Radar Test Waveforms

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

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



2.5.2. Long Radar Pulse Test

Long Pulse Radar Test Waveforms

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

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

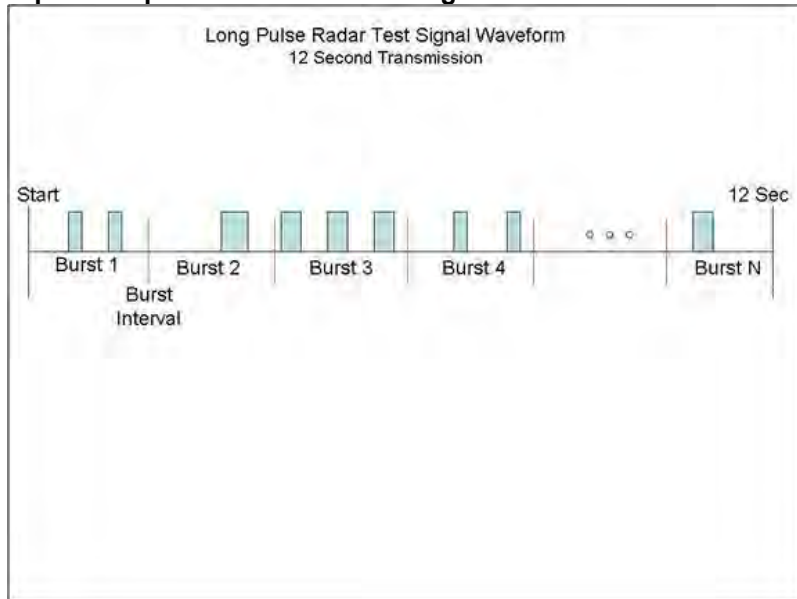
Each waveform is defined as follows:

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

A representative example of a Long Pulse radar test waveform:

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

Graphical representation of the Long Pulse Radar Test Waveform.





2.5.3. Frequency Hopping Radar Test Waveform

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

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

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

2.6. Radar Waveform Calibration

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

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



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2.7. Test Program Details

EUT Type: Master with radar detection

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

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

Test Environment: Radiated

Antenna Gain used for Testing: 11 dBi

10 MHz:

Transmit Power: 23 dBm Data Rate: 3 Mbit/s Duty Cycle: 17.00%

20 MHz:

Transmit Power: 23 dBm Data Rate: 6 Mbit/s Duty Cycle: 17.00%

40 MHz:

Transmit Power: 23 dBm Data Rate: 18 Mbit/s Duty Cycle: 17.00%

80 MHz:

Transmit Power: 23 dBm Data Rate: 29 Mbit/s Duty Cycle: 17.00%

Number of Antenna Chains: 2

Test Communication Throughput Methodology

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

EUT Software Version: 4.9.17

Test Environmental Conditions - Ambient:

Temperature: 17 to 23 °C

Relative humidity: 31 to 57%

Pressure: 999 to 1012 mbar

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3. TEST RESULTS

3.1. Dynamic Frequency Selection (DFS)

3.1.1. Probability of Detection

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

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

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

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

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

Example - Calculation of Aggregate Percentage

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



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10 MHz - 5500 MHz

Statistical Performance Check					
Radar Type	Number of Trials	Number of Successful Detections	Percentage of Successful Detections	Result	Data Link
Radar Type 5	30	24	80.00%	Complies	View Data

20 MHz - 5500 MHz

Statistical Performance Check					
Radar Type	Number of Trials	Number of Successful Detections	Percentage of Successful Detections	Result	Data Link
Radar Type 5	30	26	86.67%	Complies	View Data

40 MHz - 5500 MHz

Statistical Performance Check					
Radar Type	Number of Trials	Number of Successful Detections	Percentage of Successful Detections	Result	Data Link
Radar Type 5	30	27	90.00%	Complies	View Data

80 MHz - 5525 MHz

Statistical Performance Check					
Radar Type	Number of Trials	Number of Successful Detections	Percentage of Successful Detections	Result	Data Link
Radar Type 5	30	28	93.33%	Complies	View Data

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Equipment Configuration for Radar Type 5

Variant:	10 MHz	Duty Cycle (%):	17.00
Data Rate:	3 Mbit/s	Antenna Gain (dBi):	11.00
Modulation:	64QAM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5500.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Burst Segment	Injections	Detections	Detection Rate	Result
Type 5 #1 5500	1	1	100.00	Detecting
Type 5 #2 5499	1	0	0.00	Not Detecting
Type 5 #3 5499	1	1	100.00	Detecting
Type 5 #4 5500	1	1	100.00	Detecting
Type 5 #5 5498	1	1	100.00	Detecting
Type 5 #6 5503	1	1	100.00	Detecting
Type 5 #7 5501	1	1	100.00	Detecting
Type 5 #8 5498	1	1	100.00	Detecting
Type 5 #9 5502	1	0	0.00	Not Detecting
Type 5 #10 5500	1	1	100.00	Detecting
Type 5 #11 5502	1	1	100.00	Detecting
Type 5 #12 5504	1	1	100.00	Detecting
Type 5 #13 5500	1	1	100.00	Detecting
Type 5 #14 5502	1	0	0.00	Not Detecting
Type 5 #15 5500	1	1	100.00	Detecting
Type 5 #16 5500	1	1	100.00	Detecting
Type 5 #17 5503	1	1	100.00	Detecting
Type 5 #18 5500	1	1	100.00	Detecting
Type 5 #19 5500	1	1	100.00	Detecting
Type 5 #20 5500	1	1	100.00	Detecting
Type 5 #21 5497	1	1	100.00	Detecting
Type 5 #22 5500	1	1	100.00	Detecting
Type 5 #23 5500	1	0	0.00	Not Detecting
Type 5 #24 5500	1	1	100.00	Detecting
Type 5 #25 5499	1	1	100.00	Detecting
Type 5 #26 5497	1	0	0.00	Not Detecting
Type 5 #27 5503	1	1	100.00	Detecting
Type 5 #28 5500	1	1	100.00	Detecting
Type 5 #29 5500	1	0	0.00	Not Detecting
Type 5 #30 5500	1	1	100.00	Detecting
Aggregate:	30	24	80.00	Pass

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Equipment Configuration for Radar Type 5

Variant:	20 MHz	Duty Cycle (%):	17.00
Data Rate:	6 Mbit/s	Antenna Gain (dBi):	11.00
Modulation:	64QAM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5500.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Burst Segment	Injections	Detections	Detection Rate	Result
Type 5 #1 5493	1	1	100.00	Detecting
Type 5 #2 5500	1	1	100.00	Detecting
Type 5 #3 5505	1	1	100.00	Detecting
Type 5 #4 5498	1	0	0.00	Not Detecting
Type 5 #5 5493	1	1	100.00	Detecting
Type 5 #6 5506	1	1	100.00	Detecting
Type 5 #7 5500	1	1	100.00	Detecting
Type 5 #8 5496	1	1	100.00	Detecting
Type 5 #9 5500	1	1	100.00	Detecting
Type 5 #10 5500	1	1	100.00	Detecting
Type 5 #11 5501	1	1	100.00	Detecting
Type 5 #12 5493	1	1	100.00	Detecting
Type 5 #13 5500	1	1	100.00	Detecting
Type 5 #14 5507	1	1	100.00	Detecting
Type 5 #15 5500	1	1	100.00	Detecting
Type 5 #16 5504	1	1	100.00	Detecting
Type 5 #17 5499	1	0	0.00	Not Detecting
Type 5 #18 5495	1	1	100.00	Detecting
Type 5 #19 5498	1	0	0.00	Not Detecting
Type 5 #20 5506	1	1	100.00	Detecting
Type 5 #21 5496	1	1	100.00	Detecting
Type 5 #22 5503	1	1	100.00	Detecting
Type 5 #23 5500	1	1	100.00	Detecting
Type 5 #24 5498	1	0	0.00	Not Detecting
Type 5 #25 5503	1	1	100.00	Detecting
Type 5 #26 5500	1	1	100.00	Detecting
Type 5 #27 5506	1	1	100.00	Detecting
Type 5 #28 5500	1	1	100.00	Detecting
Type 5 #29 5502	1	1	100.00	Detecting
Type 5 #30 5500	1	1	100.00	Detecting
Aggregate:	30	26	86.67	Pass

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Equipment Configuration for Radar Type 5

Variant:	40 MHz	Duty Cycle (%):	17.00
Data Rate:	18 Mbit/s	Antenna Gain (dBi):	11.00
Modulation:	256QAM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5500.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Burst Segment	Injections	Detections	Detection Rate	Result
Type 5 #1 5500	1	1	100.00	Detecting
Type 5 #2 5500	1	1	100.00	Detecting
Type 5 #3 5513	1	1	100.00	Detecting
Type 5 #4 5488	1	0	0.00	Not Detecting
Type 5 #5 5483	1	1	100.00	Detecting
Type 5 #6 5487	1	1	100.00	Detecting
Type 5 #7 5485	1	0	0.00	Not Detecting
Type 5 #8 5488	1	0	0.00	Not Detecting
Type 5 #9 5487	1	1	100.00	Detecting
Type 5 #10 5500	1	1	100.00	Detecting
Type 5 #11 5500	1	1	100.00	Detecting
Type 5 #12 5484	1	1	100.00	Detecting
Type 5 #13 5485	1	1	100.00	Detecting
Type 5 #14 5513	1	1	100.00	Detecting
Type 5 #15 5485	1	1	100.00	Detecting
Type 5 #16 5484	1	1	100.00	Detecting
Type 5 #17 5514	1	1	100.00	Detecting
Type 5 #18 5513	1	1	100.00	Detecting
Type 5 #19 5513	1	1	100.00	Detecting
Type 5 #20 5511	1	1	100.00	Detecting
Type 5 #21 5500	1	1	100.00	Detecting
Type 5 #22 5500	1	1	100.00	Detecting
Type 5 #23 5515	1	1	100.00	Detecting
Type 5 #24 5516	1	1	100.00	Detecting
Type 5 #25 5500	1	1	100.00	Detecting
Type 5 #26 5500	1	1	100.00	Detecting
Type 5 #27 5500	1	1	100.00	Detecting
Type 5 #28 5515	1	1	100.00	Detecting
Type 5 #29 5500	1	1	100.00	Detecting
Type 5 #30 5516	1	1	100.00	Detecting
Aggregate:	30	27	90.00	Pass

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Equipment Configuration for Radar Type 5

Variant:	80 MHz	Duty Cycle (%):	17.00
Data Rate:	29 Mbit/s	Antenna Gain (dBi):	11.00
Modulation:	256QAM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5525.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Burst Segment	Injections	Detections	Detection Rate	Result
Type 5 #1 5555	1	1	100.00	Detecting
Type 5 #2 5525	1	1	100.00	Detecting
Type 5 #3 5493	1	0	0.00	Not Detecting
Type 5 #4 5555	1	1	100.00	Detecting
Type 5 #5 5561	1	1	100.00	Detecting
Type 5 #6 5493	1	1	100.00	Detecting
Type 5 #7 5525	1	1	100.00	Detecting
Type 5 #8 5525	1	1	100.00	Detecting
Type 5 #9 5492	1	1	100.00	Detecting
Type 5 #10 5494	1	1	100.00	Detecting
Type 5 #11 5525	1	1	100.00	Detecting
Type 5 #12 5525	1	1	100.00	Detecting
Type 5 #13 5525	1	1	100.00	Detecting
Type 5 #14 5525	1	1	100.00	Detecting
Type 5 #15 5494	1	1	100.00	Detecting
Type 5 #16 5492	1	1	100.00	Detecting
Type 5 #17 5525	1	1	100.00	Detecting
Type 5 #18 5559	1	1	100.00	Detecting
Type 5 #19 5558	1	1	100.00	Detecting
Type 5 #20 5525	1	1	100.00	Detecting
Type 5 #21 5489	1	1	100.00	Detecting
Type 5 #22 5489	1	1	100.00	Detecting
Type 5 #23 5491	1	1	100.00	Detecting
Type 5 #24 5559	1	0	0.00	Not Detecting
Type 5 #25 5560	1	1	100.00	Detecting
Type 5 #26 5557	1	1	100.00	Detecting
Type 5 #27 5559	1	1	100.00	Detecting
Type 5 #28 5559	1	1	100.00	Detecting
Type 5 #29 5525	1	1	100.00	Detecting
Type 5 #30 5495	1	1	100.00	Detecting
Aggregate:	30	28	93.33	Pass

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A. APPENDIX – RADAR SIGNATURES

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Type 5 #1 5500 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	15	43334	97	0	0	662451	705882
2	2	15	9996	62	1826	0	693936	705882
3	1	15	201329	71	0	0	504482	705882
4	1	15	428225	82	0	0	277575	705882
5	1	15	234865	90	0	0	470927	705882
6	3	15	196042	93	1544	1468	506549	705882
7	3	15	88933	51	1908	1240	613648	705882
8	2	15	331648	50	1115	0	373019	705882
9	2	15	295827	51	1122	0	408831	705882
10	3	15	696254	79	1714	1840	5837	705882
11	1	15	352168	83	0	0	353631	705882
12	1	15	48018	67	0	0	657797	705882
13	1	15	677304	80	0	0	28498	705882
14	3	15	364016	60	1107	1960	338619	705882
15	3	15	587142	65	1525	1645	115375	705882
16	3	15	679030	70	1063	1377	24202	705882
17	3	15	169808	79	1317	1957	532563	705882

Type 5 #2 5499 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	13	606845	99	0	0	726389	1333333
2	1	13	416479	62	0	0	916792	1333333
3	3	13	617600	71	1196	1035	713289	1333333
4	2	13	1060633	77	1752	0	270794	1333333
5	1	13	122345	54	0	0	1210934	1333333
6	3	13	1152292	69	1640	1924	177270	1333333
7	1	13	901588	69	0	0	431676	1333333
8	3	13	957848	74	1674	1259	372330	1333333
9	1	13	227112	100	0	0	1106121	1333333

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Type 5 #3 5499 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	12	107016	86	1903	0	640909	750000
2	3	12	52554	73	1015	1880	694332	750000
3	2	12	420279	66	1781	0	327808	750000
4	1	12	691047	81	0	0	58872	750000
5	3	12	483738	90	1272	1372	263348	750000
6	1	12	417071	51	0	0	332878	750000
7	1	12	323344	92	0	0	426564	750000
8	3	12	624025	57	1402	1318	123084	750000
9	1	12	167172	73	0	0	582755	750000
10	1	12	161113	65	0	0	588822	750000
11	2	12	136263	81	1487	0	612088	750000
12	3	12	47693	75	1652	1438	698992	750000
13	2	12	243314	78	1446	0	505084	750000
14	3	12	217619	61	1435	1890	528873	750000
15	1	12	395303	87	0	0	354610	750000
16	2	12	46482	76	1999	0	701367	750000

Type 5 #4 5500 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	9	237153	67	0	0	685856	923076
2	3	9	864198	59	1717	1871	55113	923076
3	1	9	434478	92	0	0	488506	923076
4	2	9	256063	54	1862	0	665043	923076
5	1	9	700263	72	0	0	222741	923076
6	2	9	358911	54	1985	0	562072	923076
7	2	9	40561	68	1682	0	880697	923076
8	3	9	890706	63	1410	1567	29204	923076
9	3	9	222997	79	1288	1478	697076	923076
10	3	9	772835	60	1528	1581	146952	923076
11	3	9	539991	90	1074	1801	379940	923076
12	1	9	497799	58	0	0	425219	923076
13	1	9	237585	70	0	0	685421	923076

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Type 5 #5 5498 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	5	904301	84	1975	0	293556	1200000
2	1	5	496523	64	0	0	703413	1200000
3	1	5	970441	89	0	0	229470	1200000
4	2	5	1163396	76	1808	0	34644	1200000
5	1	5	673820	98	0	0	526082	1200000
6	1	5	295063	51	0	0	904886	1200000
7	3	5	967285	79	1987	1429	229062	1200000
8	1	5	186870	76	0	0	1013054	1200000
9	3	5	86446	63	1320	1638	1110407	1200000
10	2	5	624095	94	1166	0	574551	1200000

Type 5 #6 5503 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	18	1274274	63	0	0	58996	1333333
2	3	18	918418	98	1325	1508	411788	1333333
3	2	18	1081469	100	1265	0	250399	1333333
4	1	18	1212490	51	0	0	120792	1333333
5	2	18	1003168	83	1463	0	328536	1333333
6	3	18	1297187	56	1864	1795	32319	1333333
7	1	18	265246	77	0	0	1068010	1333333
8	2	18	647689	52	1289	0	684251	1333333
9	3	18	724911	98	1812	1362	604954	1333333

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Type 5 #7 5501 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	8	672360	100	1540	1740	124060	800000
2	2	8	64932	74	1987	0	732933	800000
3	2	8	792069	89	1302	0	6451	800000
4	3	8	411548	53	1461	1765	385067	800000
5	3	8	450166	98	1460	1838	346242	800000
6	1	8	528618	68	0	0	271314	800000
7	1	8	183300	75	0	0	616625	800000
8	3	8	645584	77	1028	1659	151498	800000
9	2	8	23354	98	1874	0	774576	800000
10	1	8	730105	94	0	0	69801	800000
11	2	8	297189	87	1838	0	500799	800000
12	1	8	266421	79	0	0	533500	800000
13	3	8	336412	90	1273	1627	460418	800000
14	2	8	794279	64	1215	0	4378	800000
15	1	8	61530	51	0	0	738419	800000

Type 5 #8 5498 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	5	1284995	52	1686	1653	44843	1333333
2	3	5	546042	68	1250	1716	784121	1333333
3	1	5	1192623	85	0	0	140625	1333333
4	2	5	97025	95	1924	0	1234194	1333333
5	3	5	681643	93	1641	1562	648208	1333333
6	3	5	675686	88	1052	1379	654952	1333333
7	1	5	144882	76	0	0	1188375	1333333
8	2	5	1311266	59	1058	0	20891	1333333
9	1	5	777698	75	0	0	555560	1333333

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Type 5 #9 5502 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	15	1172224	50	0	0	27726	1200000
2	1	15	110192	60	0	0	1089748	1200000
3	3	15	402320	73	1975	1595	793891	1200000
4	3	15	940649	96	1035	1172	256856	1200000
5	3	15	832414	86	1866	1947	363515	1200000
6	2	15	204169	76	1979	0	993700	1200000
7	1	15	340089	79	0	0	859832	1200000
8	1	15	543951	94	0	0	655955	1200000
9	2	15	725777	53	1529	0	472588	1200000
10	2	15	207494	69	1844	0	990524	1200000

Type 5 #10 5500 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	11	281533	69	1147	1681	465432	750000
2	3	11	686405	76	1113	1812	60442	750000
3	1	11	590420	90	0	0	159490	750000
4	1	11	535942	89	0	0	213969	750000
5	3	11	525002	69	1228	1260	222303	750000
6	3	11	314	59	1349	1298	746862	750000
7	2	11	8995	59	1662	0	739225	750000
8	1	11	489843	68	0	0	260089	750000
9	2	11	459252	71	1678	0	288928	750000
10	2	11	492919	52	1110	0	255867	750000
11	1	11	509532	72	0	0	240396	750000
12	2	11	138446	57	1887	0	609553	750000
13	2	11	587875	84	1174	0	160783	750000
14	1	11	102657	76	0	0	647267	750000
15	1	11	307175	89	0	0	442736	750000
16	2	11	413448	53	1180	0	335266	750000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	6	332567	82	1959	1550	330344	666666
2	1	6	624878	88	0	0	41700	666666
3	1	6	245137	78	0	0	421451	666666
4	2	6	354041	95	1039	0	311396	666666
5	3	6	537283	99	1613	1834	125639	666666
6	3	6	305795	75	1383	1599	357664	666666
7	3	6	548401	86	1598	1212	115197	666666
8	3	6	431540	54	1339	1828	231797	666666
9	3	6	245621	61	1089	1078	418695	666666
10	2	6	598477	95	1719	0	66280	666666
11	1	6	198654	67	0	0	467945	666666
12	3	6	117679	77	1003	1926	545827	666666
13	2	6	103126	66	1836	0	561572	666666
14	2	6	128306	53	1306	0	536948	666666
15	1	6	632477	79	0	0	34110	666666
16	2	6	9606	86	1816	0	655072	666666
17	3	6	325875	52	1741	1054	337840	666666
18	3	6	222928	68	1528	1992	440014	666666

Type 5 #12 5504 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	19	869593	85	0	0	53398	923076
2	2	19	754013	80	1726	0	167177	923076
3	2	19	20444	69	1862	0	900632	923076
4	3	19	677404	66	1911	1214	242349	923076
5	1	19	270591	50	0	0	652435	923076
6	1	19	409539	77	0	0	513460	923076
7	3	19	503231	59	1335	1491	416842	923076
8	2	19	328605	56	1024	0	593335	923076
9	2	19	877628	50	1448	0	43900	923076
10	2	19	760425	75	1669	0	160832	923076
11	1	19	317011	100	0	0	605965	923076
12	3	19	807953	81	1237	1799	111844	923076
13	1	19	693471	64	0	0	229541	923076

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	10	858831	80	1295	0	139714	1000000
2	3	10	815517	86	1829	1013	181383	1000000
3	2	10	841423	94	1345	0	157044	1000000
4	1	10	860005	66	0	0	139929	1000000
5	3	10	310867	61	1322	1658	685970	1000000
6	1	10	364041	87	0	0	635872	1000000
7	3	10	218520	79	1176	1355	778712	1000000
8	3	10	786267	57	1162	1668	210732	1000000
9	1	10	317210	93	0	0	682697	1000000
10	1	10	910345	97	0	0	89558	1000000
11	2	10	382581	95	1747	0	615482	1000000
12	1	10	641180	64	0	0	358756	1000000

Type 5 #14 5502 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	15	691358	62	0	0	641913	1333333
2	3	15	639568	70	1121	1031	691403	1333333
3	3	15	1172132	57	1003	1467	158560	1333333
4	1	15	1052264	62	0	0	281007	1333333
5	3	15	111806	93	1835	1708	1217705	1333333
6	3	15	1287182	54	1514	1615	42860	1333333
7	2	15	1242523	79	1661	0	88991	1333333
8	2	15	560735	50	1262	0	771236	1333333
9	3	15	1086424	63	1564	1239	243917	1333333

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[Type 5 #15 5500 \[Back to Summary\]](#)

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	19	738182	87	1336	0	351217	1090909
2	2	19	564285	93	1464	0	524974	1090909
3	2	19	469175	65	1937	0	619667	1090909
4	3	19	877967	90	1948	1487	209237	1090909
5	1	19	619941	75	0	0	470893	1090909
6	1	19	131718	87	0	0	959104	1090909
7	2	19	52362	88	1208	0	1037163	1090909
8	1	19	997987	92	0	0	92830	1090909
9	1	19	871847	55	0	0	219007	1090909
10	3	19	819223	96	1200	1954	268244	1090909
11	3	19	26196	50	1737	1813	1061013	1090909

[Type 5 #16 5500 \[Back to Summary\]](#)

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	18	584733	91	1089	0	613996	1200000
2	3	18	713632	66	1406	1889	482875	1200000
3	2	18	98699	94	1693	0	1099420	1200000
4	1	18	1107686	62	0	0	92252	1200000
5	2	18	132857	76	1981	0	1065010	1200000
6	3	18	1165472	98	1289	1883	31062	1200000
7	2	18	354820	55	1080	0	843990	1200000
8	1	18	167767	73	0	0	1032160	1200000
9	3	18	632622	77	1738	1579	563830	1200000
10	3	18	105147	56	1540	1942	1091203	1200000

[Type 5 #17 5503 \[Back to Summary\]](#)

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	18	1232886	61	0	0	267053	1500000
2	1	18	302072	76	0	0	1197852	1500000
3	1	18	1456549	68	0	0	43383	1500000
4	1	18	1490631	50	0	0	9319	1500000
5	2	18	603784	52	1066	0	895046	1500000
6	2	18	1123275	79	1959	0	374608	1500000
7	3	18	1289889	92	1885	1926	206024	1500000
8	3	18	477399	73	1841	1222	1019319	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	9	456685	52	0	0	543263	1000000
2	3	9	153108	78	1095	1212	844351	1000000
3	1	9	651380	71	0	0	348549	1000000
4	3	9	315822	100	1290	1583	681005	1000000
5	1	9	264418	78	0	0	735504	1000000
6	2	9	129495	58	1332	0	869057	1000000
7	1	9	24927	52	0	0	975021	1000000
8	1	9	673621	71	0	0	326308	1000000
9	1	9	790580	50	0	0	209370	1000000
10	3	9	181937	79	1708	1468	814650	1000000
11	2	9	440515	94	1320	0	557977	1000000
12	2	9	120680	53	1204	0	878010	1000000

[Type 5 #19 5500 \[Back to Summary\]](#)

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	16	292747	51	0	0	907202	1200000
2	2	16	391749	69	1224	0	806889	1200000
3	3	16	1170634	78	1841	1527	25764	1200000
4	1	16	1193222	90	0	0	6688	1200000
5	3	16	396957	76	1810	1674	799331	1200000
6	3	16	546537	53	1822	1780	649702	1200000
7	1	16	756055	53	0	0	443892	1200000
8	2	16	960798	80	1224	0	237818	1200000
9	2	16	1046726	53	1994	0	151174	1200000
10	3	16	108128	77	1832	1626	1088183	1200000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	9	370735	75	1913	0	827202	1200000
2	2	9	362386	51	1540	0	835972	1200000
3	3	9	684600	71	1743	1427	512017	1200000
4	3	9	154375	59	1413	1464	1042571	1200000
5	3	9	1065000	75	1430	1240	132105	1200000
6	3	9	426709	60	1509	1603	769999	1200000
7	1	9	229801	54	0	0	970145	1200000
8	2	9	5178	98	1030	0	1193596	1200000
9	2	9	239367	52	1105	0	959424	1200000
10	1	9	677400	76	0	0	522524	1200000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	17	172930	50	1068	0	1025902	1200000
2	3	17	463284	67	1793	1175	733547	1200000
3	1	17	914580	77	0	0	285343	1200000
4	3	17	189853	73	1433	1362	1007133	1200000
5	2	17	757148	66	1151	0	441569	1200000
6	1	17	670577	96	0	0	529327	1200000
7	1	17	369708	95	0	0	830197	1200000
8	3	17	730906	59	1423	1738	465756	1200000
9	3	17	1164533	89	1868	1611	31721	1200000
10	3	17	319310	63	1538	1863	877100	1200000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	15	506804	60	1514	1667	89835	600000
2	2	15	142397	63	1488	0	455989	600000
3	2	15	328177	79	1278	0	270387	600000
4	3	15	268417	73	1380	1599	328385	600000
5	1	15	219997	96	0	0	379907	600000
6	1	15	483582	100	0	0	116318	600000
7	3	15	315010	84	1973	1495	281270	600000
8	2	15	150164	98	1233	0	448407	600000
9	2	15	545448	60	1722	0	52710	600000
10	3	15	382605	79	1845	1720	213593	600000
11	1	15	282060	67	0	0	317873	600000
12	1	15	40870	80	0	0	559050	600000
13	3	15	329877	82	1291	1685	266901	600000
14	2	15	104054	54	1773	0	494065	600000
15	3	15	139861	61	1450	1349	457157	600000
16	1	15	244990	72	0	0	354938	600000
17	2	15	143389	56	1248	0	455251	600000
18	2	15	204134	82	1521	0	394181	600000
19	3	15	36087	59	1165	1165	561406	600000
20	2	15	522755	67	1925	0	75186	600000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	11	131965	100	1612	1235	722030	857142
2	3	11	191234	83	1266	1499	662894	857142
3	1	11	484856	55	0	0	372231	857142
4	3	11	243005	94	1396	1615	610844	857142
5	3	11	406343	65	1704	1952	446948	857142
6	2	11	795334	84	1497	0	60143	857142
7	3	11	390444	83	1647	1909	462893	857142
8	2	11	98629	73	1505	0	756862	857142
9	1	11	701678	65	0	0	155399	857142
10	3	11	785234	65	1077	1777	68859	857142
11	2	11	455322	75	1253	0	400417	857142
12	3	11	2207	82	1265	1124	852300	857142
13	2	11	80678	65	1309	0	775025	857142
14	2	11	138617	97	1407	0	716924	857142

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	11	784662	85	1684	1228	303080	1090909
2	2	11	429181	50	1465	0	660163	1090909
3	2	11	204817	63	1524	0	884442	1090909
4	2	11	11710	66	1112	0	1077955	1090909
5	3	11	401482	68	1697	1652	685874	1090909
6	2	11	691057	88	1804	0	397872	1090909
7	1	11	1022453	56	0	0	68400	1090909
8	2	11	860003	95	1973	0	228743	1090909
9	1	11	765093	93	0	0	325723	1090909
10	1	11	860351	83	0	0	230475	1090909
11	3	11	421067	58	1066	1507	667095	1090909

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	12	20202	58	1253	0	778429	800000
2	3	12	483947	79	1137	1325	313354	800000
3	2	12	579677	67	1831	0	218358	800000
4	1	12	476358	53	0	0	323589	800000
5	2	12	505192	74	1589	0	293071	800000
6	1	12	599239	56	0	0	200705	800000
7	2	12	406319	80	1595	0	391926	800000
8	3	12	751658	81	1032	1183	45884	800000
9	2	12	294261	76	1559	0	504028	800000
10	3	12	605266	86	1677	1722	191077	800000
11	1	12	786144	100	0	0	13756	800000
12	3	12	505822	79	1471	1029	291441	800000
13	1	12	360294	69	0	0	439637	800000
14	1	12	721097	58	0	0	78845	800000
15	1	12	624102	85	0	0	175813	800000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	18	418433	98	1335	0	180036	600000
2	1	18	363184	81	0	0	236735	600000
3	2	18	337103	76	1065	0	261680	600000
4	1	18	202522	65	0	0	397413	600000
5	1	18	214110	81	0	0	385809	600000
6	2	18	581413	94	1778	0	16621	600000
7	3	18	560366	75	1935	1876	35598	600000
8	3	18	271323	52	1086	1635	325800	600000
9	1	18	245008	66	0	0	354926	600000
10	3	18	435714	65	1835	1249	161007	600000
11	2	18	190621	88	1770	0	407433	600000
12	2	18	403117	52	1419	0	195360	600000
13	1	18	497067	55	0	0	102878	600000
14	3	18	302733	73	1507	1126	294415	600000
15	1	18	530931	84	0	0	68985	600000
16	3	18	341875	64	1163	1949	254821	600000
17	3	18	111990	60	1840	1147	484843	600000
18	1	18	104185	60	0	0	495755	600000
19	3	18	111870	84	1181	1511	485186	600000
20	2	18	481908	65	1739	0	116223	600000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	17	299910	95	1993	0	447907	750000
2	1	17	547782	86	0	0	202132	750000
3	1	17	598115	64	0	0	151821	750000
4	2	17	86174	68	1309	0	662381	750000
5	2	17	509817	70	1494	0	238549	750000
6	2	17	249917	85	1864	0	498049	750000
7	3	17	178120	61	1236	1216	569245	750000
8	2	17	579723	61	1204	0	168951	750000
9	3	17	681082	98	1300	1783	65541	750000
10	3	17	151794	75	1256	1009	595716	750000
11	3	17	154324	55	1263	1298	592950	750000
12	2	17	290427	68	1537	0	457900	750000
13	1	17	45198	75	0	0	704727	750000
14	1	17	101086	78	0	0	648836	750000
15	1	17	466232	97	0	0	283671	750000
16	2	17	550210	59	1831	0	197841	750000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	9	222574	69	0	0	777357	1000000
2	3	9	235746	78	1014	1857	761149	1000000
3	3	9	849522	78	1185	1289	147770	1000000
4	3	9	277440	98	1339	1875	719052	1000000
5	2	9	178150	75	1812	0	819888	1000000
6	3	9	62764	81	1664	1175	934154	1000000
7	3	9	617749	73	1425	1960	378647	1000000
8	2	9	106036	56	1248	0	892604	1000000
9	2	9	191271	95	1008	0	807531	1000000
10	3	9	882429	90	1416	1614	114271	1000000
11	3	9	376605	95	1605	1411	620094	1000000
12	2	9	41324	62	1564	0	956988	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	19	478190	66	0	0	153322	631578
2	1	19	545690	79	0	0	85809	631578
3	3	19	543870	54	1637	1487	84422	631578
4	3	19	339173	66	1614	1958	288635	631578
5	2	19	495086	74	1785	0	134559	631578
6	1	19	374199	56	0	0	257323	631578
7	2	19	626210	83	1713	0	3489	631578
8	3	19	109327	54	1637	1695	518757	631578
9	2	19	467704	87	1491	0	162209	631578
10	3	19	556850	76	1701	1301	71498	631578
11	2	19	334019	56	1373	0	296074	631578
12	2	19	282377	100	1971	0	347030	631578
13	2	19	583096	63	1525	0	46831	631578
14	1	19	423848	87	0	0	207643	631578
15	3	19	385040	96	1214	1533	243503	631578
16	3	19	272323	52	1244	1935	355920	631578
17	3	19	570851	94	1511	1277	57657	631578
18	2	19	456957	63	1548	0	172947	631578
19	2	19	610303	87	1134	0	19967	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	15	392425	50	1965	0	272176	666666
2	1	15	331292	97	0	0	335277	666666
3	3	15	258464	51	1646	1015	405388	666666
4	1	15	201647	57	0	0	464962	666666
5	1	15	34133	90	0	0	632443	666666
6	1	15	612463	81	0	0	54122	666666
7	1	15	285602	50	0	0	381014	666666
8	1	15	75953	86	0	0	590627	666666
9	3	15	353850	77	1105	1001	310479	666666
10	3	15	472312	52	1896	1687	190615	666666
11	2	15	322458	54	1952	0	342148	666666
12	2	15	641532	75	1836	0	23148	666666
13	3	15	351121	78	1783	1406	312122	666666
14	3	15	328537	66	1743	1932	334256	666666
15	2	15	478795	73	1049	0	186676	666666
16	3	15	432161	53	1070	1155	232121	666666
17	1	15	43980	69	0	0	622617	666666
18	2	15	640690	98	1955	0	23825	666666

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	5	252051	84	0	0	1081198	1333333
2	3	5	931227	60	1100	1656	399170	1333333
3	3	5	57925	87	1247	1732	1272168	1333333
4	1	5	381673	56	0	0	951604	1333333
5	3	5	80158	98	1348	1604	1249929	1333333
6	3	5	290452	54	1367	1804	1039548	1333333
7	3	5	703850	63	1580	1937	625777	1333333
8	3	5	865901	82	1227	1344	464615	1333333
9	3	5	603336	98	1519	1254	726930	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	8	117651	66	0	0	513861	631578
2	3	8	570350	73	1006	1289	58714	631578
3	3	8	297683	50	1974	1152	330619	631578
4	2	8	265541	72	1151	0	364742	631578
5	2	8	341499	85	1624	0	288285	631578
6	2	8	336831	75	1914	0	292683	631578
7	2	8	388899	94	1026	0	241465	631578
8	3	8	35029	67	1977	1182	593189	631578
9	3	8	64443	88	1312	1930	563629	631578
10	3	8	505088	100	1292	1818	123080	631578
11	3	8	110217	88	1623	1233	518241	631578
12	3	8	50601	76	1375	1437	577937	631578
13	1	8	150489	98	0	0	480991	631578
14	3	8	229843	60	1467	1969	398119	631578
15	2	8	628922	98	1311	0	1149	631578
16	2	8	451586	88	1934	0	177882	631578
17	1	8	314579	53	0	0	316946	631578
18	3	8	445809	74	1217	1802	182528	631578
19	3	8	376923	78	1374	1232	251815	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	10	892835	99	1461	0	438839	1333333
2	3	10	588803	100	1178	1582	741470	1333333
3	3	10	526122	83	1972	1073	803917	1333333
4	1	10	888569	64	0	0	444700	1333333
5	3	10	106004	56	1685	1997	1223479	1333333
6	2	10	947721	70	1178	0	384294	1333333
7	2	10	985670	68	1598	0	345929	1333333
8	1	10	294579	66	0	0	1038688	1333333
9	2	10	1052245	82	1942	0	278982	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	18	433647	98	0	0	197833	631578
2	3	18	530034	92	1777	1207	98284	631578
3	2	18	461772	89	1403	0	168225	631578
4	1	18	613339	64	0	0	18175	631578
5	1	18	454992	55	0	0	176531	631578
6	3	18	130522	52	1126	1187	498587	631578
7	3	18	611387	91	1627	1547	16744	631578
8	3	18	605812	75	1679	1844	22018	631578
9	1	18	358502	61	0	0	273015	631578
10	3	18	269196	61	1411	1507	359281	631578
11	3	18	142593	88	1845	1713	485163	631578
12	1	18	410771	82	0	0	220725	631578
13	1	18	14226	50	0	0	617302	631578
14	1	18	353810	61	0	0	277707	631578
15	3	18	27622	84	1612	1530	600562	631578
16	1	18	132189	85	0	0	499304	631578
17	1	18	594545	95	0	0	36938	631578
18	2	18	443695	72	1934	0	185805	631578
19	2	18	22811	81	1539	0	607066	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	5	721917	77	1610	1188	608387	1333333
2	3	5	928080	91	1356	1044	402580	1333333
3	2	5	972386	61	1099	0	359726	1333333
4	3	5	195629	69	1396	1799	1134302	1333333
5	2	5	653800	69	1932	0	677463	1333333
6	2	5	1242149	66	1083	0	89969	1333333
7	3	5	1232697	65	1671	1590	97180	1333333
8	2	5	1115310	84	1618	0	216237	1333333
9	3	5	789642	98	1974	1314	540109	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	8	690068	69	1079	0	58715	750000
2	1	8	31063	71	0	0	718866	750000
3	3	8	320481	69	1765	1966	425581	750000
4	3	8	134792	50	1946	1995	611117	750000
5	2	8	718840	65	1628	0	29402	750000
6	1	8	622240	70	0	0	127690	750000
7	2	8	525872	58	1243	0	222769	750000
8	1	8	4782	76	0	0	745142	750000
9	1	8	403189	63	0	0	346748	750000
10	3	8	499166	76	1189	1007	248410	750000
11	3	8	16727	73	1801	1246	730007	750000
12	1	8	274778	54	0	0	475168	750000
13	3	8	467958	50	1032	1256	279604	750000
14	1	8	163494	76	0	0	586430	750000
15	1	8	705746	67	0	0	44187	750000
16	3	8	86106	73	1802	1975	659898	750000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	8	326872	77	1925	0	376931	705882
2	2	8	32384	60	1058	0	672320	705882
3	1	8	228225	61	0	0	477596	705882
4	1	8	373098	65	0	0	332719	705882
5	1	8	253944	76	0	0	451862	705882
6	3	8	454854	77	1526	1221	248050	705882
7	2	8	213809	56	1008	0	490953	705882
8	1	8	207895	93	0	0	497894	705882
9	1	8	672676	50	0	0	33156	705882
10	1	8	308650	78	0	0	397154	705882
11	1	8	130481	84	0	0	575317	705882
12	3	8	593839	79	1424	1539	108843	705882
13	1	8	522604	84	0	0	183194	705882
14	1	8	510742	74	0	0	195066	705882
15	2	8	76818	51	1991	0	626971	705882
16	2	8	360922	58	1000	0	343844	705882
17	2	8	683286	78	1114	0	21326	705882

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	12	77953	77	1585	0	777450	857142
2	1	12	774333	93	0	0	82716	857142
3	2	12	481440	89	1126	0	374398	857142
4	1	12	260029	93	0	0	597020	857142
5	2	12	144889	59	1023	0	711112	857142
6	3	12	604286	99	1646	1729	249184	857142
7	1	12	13746	72	0	0	843324	857142
8	1	12	388596	60	0	0	468486	857142
9	1	12	528520	92	0	0	328530	857142
10	3	12	143463	55	1891	1738	709885	857142
11	2	12	854618	83	1110	0	1248	857142
12	3	12	574171	64	1438	1695	279646	857142
13	3	12	518635	72	1441	1648	335202	857142
14	1	12	264355	53	0	0	592734	857142

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	12	333720	78	1278	0	864846	1200000
2	1	12	211119	77	0	0	988804	1200000
3	2	12	871730	80	1645	0	326465	1200000
4	3	12	562775	83	1512	1509	633955	1200000
5	2	12	589691	75	1968	0	608191	1200000
6	3	12	474691	83	1330	1860	721870	1200000
7	3	12	192146	72	1526	1342	1004770	1200000
8	3	12	318709	54	1496	1241	878392	1200000
9	1	12	764634	55	0	0	435311	1200000
10	2	12	899864	69	1656	0	298342	1200000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	14	683855	61	0	0	649417	1333333
2	1	14	206654	81	0	0	1126598	1333333
3	3	14	654993	59	1917	1384	674862	1333333
4	2	14	558499	71	1285	0	773407	1333333
5	1	14	708157	94	0	0	625082	1333333
6	1	14	272686	66	0	0	1060581	1333333
7	2	14	590189	82	1082	0	741898	1333333
8	1	14	988739	56	0	0	344538	1333333
9	2	14	384185	100	1038	0	947910	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	20	238571	58	1303	0	465892	705882
2	2	20	221883	83	1903	0	481930	705882
3	3	20	438836	64	1196	1253	264405	705882
4	2	20	124618	91	1478	0	579604	705882
5	3	20	133911	79	1800	1784	568150	705882
6	1	20	498894	98	0	0	206890	705882
7	3	20	36709	73	1353	1578	666023	705882
8	1	20	549904	87	0	0	155891	705882
9	1	20	28174	69	0	0	677639	705882
10	2	20	469638	90	1785	0	234279	705882
11	2	20	554742	71	1288	0	149710	705882
12	2	20	25269	80	1503	0	678950	705882
13	1	20	565912	80	0	0	139890	705882
14	2	20	476654	97	1835	0	227199	705882
15	2	20	186393	79	1198	0	518133	705882
16	3	20	313695	94	1499	1967	388439	705882
17	2	20	349860	70	1132	0	354750	705882

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	6	720327	78	1758	0	77759	800000
2	1	6	798247	67	0	0	1686	800000
3	1	6	87468	75	0	0	712457	800000
4	2	6	19208	54	1235	0	779449	800000
5	2	6	593887	96	1983	0	203938	800000
6	1	6	371798	76	0	0	428126	800000
7	3	6	219685	65	1317	1460	577343	800000
8	2	6	284034	97	1021	0	514751	800000
9	2	6	776897	76	1527	0	21424	800000
10	2	6	454450	98	1571	0	343783	800000
11	1	6	362498	63	0	0	437439	800000
12	2	6	645553	83	1114	0	153167	800000
13	2	6	529834	59	1994	0	268054	800000
14	1	6	706020	84	0	0	93896	800000
15	3	6	794229	77	1641	1073	2826	800000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	15	916914	58	0	0	583028	1500000
2	3	15	1440012	75	1043	1374	57346	1500000
3	2	15	1185694	73	1098	0	313062	1500000
4	1	15	1297599	68	0	0	202333	1500000
5	2	15	1351482	64	1013	0	147377	1500000
6	3	15	1186639	97	1109	1467	310494	1500000
7	2	15	1080267	63	1040	0	418567	1500000
8	2	15	244874	62	1383	0	1253619	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	5	2219	77	0	0	629282	631578
2	3	5	227628	64	1237	1524	400997	631578
3	1	5	534133	55	0	0	97390	631578
4	3	5	209591	69	1577	1426	418777	631578
5	2	5	192566	71	1927	0	436943	631578
6	3	5	621601	100	1974	1701	6002	631578
7	2	5	243104	57	1854	0	386506	631578
8	1	5	317121	73	0	0	314384	631578
9	2	5	409054	87	1585	0	220765	631578
10	2	5	488585	59	1538	0	141337	631578
11	3	5	405373	94	1418	1587	222918	631578
12	2	5	191362	68	1699	0	438381	631578
13	1	5	235946	91	0	0	395541	631578
14	3	5	87495	99	1195	1145	541446	631578
15	1	5	596826	65	0	0	34687	631578
16	2	5	584381	92	1116	0	45897	631578
17	3	5	69215	72	1118	1928	559101	631578
18	3	5	559888	78	1163	1055	69238	631578
19	3	5	319491	61	1198	1126	309580	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	11	345390	82	0	0	254528	600000
2	3	11	309053	82	1075	1805	287821	600000
3	3	11	221792	58	1854	1146	375034	600000
4	1	11	19615	87	0	0	580298	600000
5	1	11	209760	91	0	0	390149	600000
6	1	11	419114	76	0	0	180810	600000
7	1	11	305374	84	0	0	294542	600000
8	3	11	320225	52	1846	1293	276480	600000
9	1	11	150523	96	0	0	449381	600000
10	1	11	39485	68	0	0	560447	600000
11	2	11	104466	99	1023	0	494313	600000
12	1	11	182659	50	0	0	417291	600000
13	2	11	111218	69	1204	0	487440	600000
14	3	11	159361	69	1473	1821	437138	600000
15	2	11	129398	90	1301	0	469121	600000
16	3	11	325801	74	1500	1946	270531	600000
17	3	11	403492	68	1015	1173	194116	600000
18	1	11	300770	75	0	0	299155	600000
19	3	11	25259	88	1386	1910	571181	600000
20	1	11	467656	54	0	0	132290	600000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	13	379811	71	1921	1447	366608	750000
2	1	13	378116	73	0	0	371811	750000
3	3	13	207394	74	1012	1992	539380	750000
4	1	13	468856	98	0	0	281046	750000
5	1	13	199578	96	0	0	550326	750000
6	3	13	72417	70	1418	1236	674719	750000
7	1	13	471064	82	0	0	278854	750000
8	1	13	43707	62	0	0	706231	750000
9	3	13	304283	100	1772	1288	442357	750000
10	1	13	67856	78	0	0	682066	750000
11	1	13	597744	75	0	0	152181	750000
12	3	13	489944	51	1500	1764	256639	750000
13	3	13	612023	67	1089	1779	134908	750000
14	2	13	625616	60	1118	0	123146	750000
15	2	13	580385	50	1258	0	168257	750000
16	3	13	90732	88	1444	1286	656274	750000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	20	314622	84	1329	0	483881	800000
2	2	20	722221	81	1297	0	76320	800000
3	3	20	356300	95	1654	1036	440725	800000
4	3	20	613517	63	1549	1499	183246	800000
5	1	20	256804	59	0	0	543137	800000
6	2	20	609011	75	1640	0	189199	800000
7	2	20	429525	92	1853	0	368438	800000
8	3	20	766862	63	1440	1930	29579	800000
9	2	20	632039	94	1860	0	165913	800000
10	1	20	532557	63	0	0	267380	800000
11	1	20	73377	84	0	0	726539	800000
12	2	20	58509	75	1149	0	740192	800000
13	1	20	457033	56	0	0	342911	800000
14	1	20	641401	72	0	0	158527	800000
15	1	20	334495	67	0	0	465438	800000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	10	335762	66	0	0	295750	631578
2	1	10	217088	61	0	0	414429	631578
3	3	10	28816	93	1778	1761	598944	631578
4	2	10	159015	94	1367	0	471008	631578
5	1	10	261208	94	0	0	370276	631578
6	3	10	155438	100	1246	1920	472674	631578
7	1	10	113549	53	0	0	517976	631578
8	1	10	326814	59	0	0	304705	631578
9	2	10	143567	95	1908	0	485913	631578
10	2	10	339985	79	1267	0	290168	631578
11	1	10	283889	50	0	0	347639	631578
12	3	10	570915	94	1608	1437	57336	631578
13	1	10	190818	77	0	0	440683	631578
14	3	10	366563	54	1435	1795	261623	631578
15	1	10	225904	94	0	0	405580	631578
16	3	10	177028	98	1344	1612	451300	631578
17	3	10	900	78	1950	1708	626786	631578
18	3	10	512933	91	1294	1077	116001	631578
19	2	10	594572	97	1474	0	35338	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	17	312842	73	1325	0	1185687	1500000
2	1	17	785964	81	0	0	713955	1500000
3	3	17	885691	90	1300	1081	611658	1500000
4	1	17	590416	85	0	0	909499	1500000
5	2	17	599885	75	1757	0	898208	1500000
6	1	17	1234517	95	0	0	265388	1500000
7	1	17	782463	87	0	0	717450	1500000
8	1	17	738332	51	0	0	761617	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	7	255108	78	1576	0	600302	857142
2	3	7	685604	100	1411	1704	168123	857142
3	3	7	791076	69	1292	1678	62889	857142
4	1	7	688432	66	0	0	168644	857142
5	3	7	41426	90	1129	1263	813054	857142
6	2	7	130074	55	1857	0	725101	857142
7	3	7	317790	72	1017	1203	536916	857142
8	3	7	700254	52	1893	1411	153428	857142
9	1	7	636038	89	0	0	221015	857142
10	2	7	401795	52	1458	0	453785	857142
11	1	7	658897	69	0	0	198176	857142
12	2	7	543236	89	1264	0	312464	857142
13	1	7	557511	93	0	0	299538	857142
14	3	7	473393	97	1274	1474	380710	857142

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	12	837724	53	1481	1154	82558	923076
2	1	12	631737	70	0	0	291269	923076
3	3	12	558579	53	1331	1436	361571	923076
4	3	12	385197	62	1259	1098	535336	923076
5	2	12	898337	97	1939	0	22606	923076
6	1	12	171240	96	0	0	751740	923076
7	3	12	261816	100	1205	1800	657955	923076
8	1	12	238488	74	0	0	684514	923076
9	2	12	808459	95	1967	0	112460	923076
10	3	12	34254	51	1023	1948	885698	923076
11	1	12	507814	64	0	0	415198	923076
12	2	12	863605	78	1215	0	58100	923076
13	1	12	460643	75	0	0	462358	923076

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	14	401611	80	0	0	348309	750000
2	3	14	46562	50	1534	1449	700305	750000
3	2	14	226009	97	1009	0	522788	750000
4	1	14	142598	82	0	0	607320	750000
5	1	14	672718	87	0	0	77195	750000
6	2	14	122848	90	1235	0	625737	750000
7	2	14	302094	66	1802	0	445972	750000
8	2	14	464044	81	1900	0	283894	750000
9	2	14	621521	100	1015	0	127264	750000
10	1	14	9827	66	0	0	740107	750000
11	2	14	283717	71	1350	0	464791	750000
12	3	14	85434	69	1875	1597	660887	750000
13	3	14	307206	80	1063	1370	440121	750000
14	1	14	445691	85	0	0	304224	750000
15	1	14	18338	70	0	0	731592	750000
16	1	14	400777	59	0	0	349164	750000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	8	282284	87	1117	0	383091	666666
2	3	8	108863	50	1542	1029	555082	666666
3	3	8	278046	93	1934	1646	384761	666666
4	3	8	11914	81	1467	1420	651622	666666
5	2	8	100596	60	1135	0	564815	666666
6	2	8	636530	85	1960	0	28006	666666
7	2	8	211324	83	1626	0	453550	666666
8	3	8	134859	91	1515	1051	528968	666666
9	3	8	210054	57	1395	1258	453788	666666
10	2	8	534691	93	1711	0	130078	666666
11	1	8	594719	87	0	0	71860	666666
12	1	8	134145	57	0	0	532464	666666
13	1	8	614024	62	0	0	52580	666666
14	2	8	67872	64	1019	0	597647	666666
15	1	8	246289	90	0	0	420287	666666
16	3	8	323032	91	1774	1053	340534	666666
17	2	8	51985	51	1222	0	613357	666666
18	2	8	150620	79	1439	0	514449	666666

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	18	728008	99	1331	1230	19134	750000
2	2	18	687847	99	1376	0	60579	750000
3	2	18	648575	72	1300	0	99981	750000
4	3	18	80323	77	1654	1305	666487	750000
5	1	18	666563	65	0	0	83372	750000
6	3	18	83092	56	1128	1675	663937	750000
7	1	18	640474	76	0	0	109450	750000
8	2	18	743667	91	1811	0	4340	750000
9	1	18	121054	93	0	0	628853	750000
10	1	18	741860	57	0	0	8083	750000
11	2	18	257126	80	2000	0	490714	750000
12	3	18	30995	94	1834	1034	715855	750000
13	1	18	527005	72	0	0	222923	750000
14	1	18	688498	91	0	0	61411	750000
15	2	18	552891	53	1422	0	195581	750000
16	1	18	195877	65	0	0	554058	750000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	16	359476	89	0	0	346317	705882
2	1	16	52845	98	0	0	652939	705882
3	1	16	544718	70	0	0	161094	705882
4	2	16	20957	77	1230	0	683541	705882
5	2	16	655571	60	1228	0	48963	705882
6	3	16	396617	79	1261	1890	305877	705882
7	2	16	210970	50	1898	0	492914	705882
8	2	16	549084	66	1066	0	155600	705882
9	3	16	9676	55	1074	1288	693679	705882
10	1	16	544387	99	0	0	161396	705882
11	3	16	362178	55	1785	1781	339973	705882
12	3	16	135277	60	1827	1509	567089	705882
13	3	16	672754	64	1473	2000	29463	705882
14	2	16	373471	99	1227	0	330986	705882
15	1	16	108366	82	0	0	597434	705882
16	2	16	207050	95	1926	0	496716	705882
17	1	16	344444	63	0	0	361375	705882

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	12	354189	62	0	0	312415	666666
2	2	12	27560	58	1797	0	637193	666666
3	2	12	361313	59	1497	0	303738	666666
4	3	12	240356	79	1532	1149	423392	666666
5	2	12	634649	66	1902	0	29983	666666
6	1	12	658648	84	0	0	7934	666666
7	3	12	77399	70	1859	1687	585511	666666
8	3	12	237549	71	1722	1099	426083	666666
9	3	12	237954	93	1422	1259	425752	666666
10	3	12	242725	99	1901	1702	420041	666666
11	2	12	24932	52	1794	0	639836	666666
12	2	12	552740	74	1506	0	112272	666666
13	1	12	541558	55	0	0	125053	666666
14	1	12	109564	71	0	0	557031	666666
15	3	12	313952	52	1814	1004	349740	666666
16	2	12	633555	91	1157	0	31772	666666
17	2	12	329291	54	1063	0	336204	666666
18	1	12	392417	72	0	0	274177	666666

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	7	55662	79	1311	1938	863928	923076
2	1	7	824209	58	0	0	98809	923076
3	3	7	791569	78	1419	1276	128578	923076
4	1	7	514006	71	0	0	408999	923076
5	2	7	764398	87	1212	0	157292	923076
6	2	7	719287	93	1102	0	202501	923076
7	2	7	854383	71	1401	0	67150	923076
8	3	7	604400	58	1874	1171	315457	923076
9	2	7	870086	67	1172	0	51684	923076
10	3	7	667565	58	1001	1729	252607	923076
11	3	7	576312	93	1584	1098	343803	923076
12	1	7	177077	72	0	0	745927	923076
13	3	7	525814	98	1225	1489	394254	923076

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	8	397298	95	0	0	602607	1000000
2	1	8	704843	59	0	0	295098	1000000
3	3	8	587559	55	1475	1621	409180	1000000
4	2	8	541834	63	1827	0	456213	1000000
5	3	8	389614	87	1434	1464	607227	1000000
6	3	8	580659	50	1793	1273	416125	1000000
7	1	8	696011	91	0	0	303898	1000000
8	3	8	223528	73	1702	1317	773234	1000000
9	3	8	283781	75	1090	1497	713407	1000000
10	3	8	149315	80	1307	1524	847614	1000000
11	2	8	636541	76	1711	0	361596	1000000
12	1	8	93261	54	0	0	906685	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	18	115069	95	1588	0	806229	923076
2	1	18	923589	54	0	0	-567	923076
3	3	18	108307	69	1985	1053	811524	923076
4	1	18	652474	99	0	0	270503	923076
5	3	18	763154	61	1961	1985	155793	923076
6	3	18	571822	61	1286	1130	348655	923076
7	2	18	6851	53	1521	0	914598	923076
8	1	18	599792	75	0	0	323209	923076
9	1	18	722839	52	0	0	200185	923076
10	1	18	398131	83	0	0	524862	923076
11	1	18	552826	96	0	0	370154	923076
12	3	18	61333	78	1598	1505	858406	923076
13	3	18	640201	71	1002	1809	279851	923076

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	18	761743	58	0	0	95341	857142
2	1	18	380675	92	0	0	476375	857142
3	1	18	637092	73	0	0	219977	857142
4	3	18	647513	62	1224	1841	206378	857142
5	2	18	815013	97	1313	0	40622	857142
6	2	18	546337	99	1647	0	308960	857142
7	3	18	501576	74	1259	1727	352358	857142
8	3	18	613913	87	1005	1711	240252	857142
9	2	18	679029	53	1707	0	176300	857142
10	3	18	245128	60	1566	1185	609083	857142
11	1	18	455804	71	0	0	401267	857142
12	1	18	787640	61	0	0	69441	857142
13	2	18	624977	79	1532	0	230475	857142
14	1	18	178251	72	0	0	678819	857142

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	15	475190	56	1784	1755	521103	1000000
2	1	15	813989	71	0	0	185940	1000000
3	3	15	714899	76	1530	1011	282332	1000000
4	1	15	59140	63	0	0	940797	1000000
5	3	15	768546	93	1594	1721	227860	1000000
6	3	15	84276	93	1150	1148	913147	1000000
7	2	15	783631	60	1009	0	215240	1000000
8	3	15	757553	59	1253	1721	239296	1000000
9	1	15	382324	91	0	0	617585	1000000
10	1	15	458496	53	0	0	541451	1000000
11	3	15	539018	77	1253	1922	457576	1000000
12	1	15	620905	91	0	0	379004	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	16	454630	66	0	0	295304	750000
2	3	16	182795	73	1070	1621	564295	750000
3	1	16	298840	75	0	0	451085	750000
4	2	16	518119	86	1774	0	229935	750000
5	1	16	211117	77	0	0	538806	750000
6	1	16	706148	96	0	0	43756	750000
7	1	16	181447	82	0	0	568471	750000
8	2	16	40403	73	1092	0	708359	750000
9	1	16	525	73	0	0	749402	750000
10	3	16	34365	96	1916	1677	711754	750000
11	1	16	674211	70	0	0	75719	750000
12	2	16	127998	69	1451	0	620413	750000
13	3	16	386988	52	1918	1696	359242	750000
14	3	16	24935	100	1990	1002	721773	750000
15	3	16	417976	98	1334	1591	328805	750000
16	3	16	184512	70	1634	1245	562399	750000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	16	330286	93	1165	1076	333860	666666
2	1	16	78490	60	0	0	588116	666666
3	2	16	449523	53	1928	0	215109	666666
4	2	16	114379	50	1335	0	550852	666666
5	1	16	508871	64	0	0	157731	666666
6	3	16	552856	77	1704	1443	110432	666666
7	2	16	159012	100	1981	0	505473	666666
8	1	16	599350	65	0	0	67251	666666
9	2	16	294206	66	1377	0	370951	666666
10	1	16	212779	66	0	0	453821	666666
11	3	16	412297	94	1852	1233	251002	666666
12	2	16	66569	73	1036	0	598915	666666
13	2	16	627383	90	1564	0	37539	666666
14	2	16	458687	75	1095	0	206734	666666
15	2	16	664559	53	1055	0	946	666666
16	3	16	428317	97	1761	1382	234915	666666
17	3	16	273452	69	1513	1793	389701	666666
18	3	16	598248	68	1821	1782	64611	666666

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	18	20851	99	1710	0	683123	705882
2	2	18	560689	70	1814	0	143239	705882
3	1	18	492712	89	0	0	213081	705882
4	2	18	287394	93	1455	0	416847	705882
5	1	18	44034	88	0	0	661760	705882
6	2	18	299902	87	1856	0	403950	705882
7	1	18	234539	60	0	0	471283	705882
8	1	18	292594	54	0	0	413234	705882
9	3	18	688942	70	1802	1755	13173	705882
10	1	18	412960	81	0	0	292841	705882
11	1	18	36371	54	0	0	669457	705882
12	2	18	58923	98	1258	0	645505	705882
13	2	18	123087	96	1118	0	581485	705882
14	3	18	528732	99	1651	1597	173605	705882
15	3	18	34178	70	1528	1241	668725	705882
16	3	18	313556	83	1936	1771	388370	705882
17	3	18	78684	57	1535	1821	623671	705882

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	5	627468	75	1726	0	370656	1000000
2	1	5	587864	57	0	0	412079	1000000
3	3	5	210212	53	1889	1915	785825	1000000
4	1	5	605693	68	0	0	394239	1000000
5	3	5	349744	65	1853	1460	646748	1000000
6	2	5	799654	96	2000	0	198154	1000000
7	3	5	732097	84	1325	1393	264933	1000000
8	1	5	624145	57	0	0	375798	1000000
9	3	5	262419	72	1190	1698	734477	1000000
10	2	5	443583	63	1763	0	554528	1000000
11	3	5	47869	73	1593	1699	948620	1000000
12	2	5	141648	78	1989	0	856207	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	14	193259	79	1478	0	728181	923076
2	1	14	806404	100	0	0	116572	923076
3	2	14	17834	88	1659	0	903407	923076
4	2	14	133039	62	1473	0	788440	923076
5	1	14	279277	87	0	0	643712	923076
6	3	14	601107	96	1589	1135	318957	923076
7	2	14	645099	70	1851	0	275986	923076
8	1	14	275823	85	0	0	647168	923076
9	1	14	564779	84	0	0	358213	923076
10	3	14	892633	51	1285	1715	27290	923076
11	2	14	648069	96	1317	0	273498	923076
12	1	14	247248	92	0	0	675736	923076
13	3	14	303752	93	1620	1950	615475	923076

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	11	470442	98	1953	1174	526137	1000000
2	3	11	190920	56	1867	1278	805767	1000000
3	1	11	748613	58	0	0	251329	1000000
4	1	11	108932	99	0	0	890969	1000000
5	3	11	613598	63	1426	1492	383295	1000000
6	3	11	372881	50	1281	1606	624082	1000000
7	2	11	951981	53	1047	0	46866	1000000
8	1	11	466450	65	0	0	533485	1000000
9	3	11	496296	99	1989	1393	500025	1000000
10	3	11	761040	73	1582	1889	235270	1000000
11	1	11	522302	76	0	0	477622	1000000
12	2	11	717841	87	1507	0	280478	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	18	1195557	56	0	0	304387	1500000
2	1	18	965546	83	0	0	534371	1500000
3	1	18	147584	65	0	0	1352351	1500000
4	3	18	1075076	55	1940	1536	421283	1500000
5	2	18	594159	81	1097	0	904582	1500000
6	1	18	1204237	75	0	0	295688	1500000
7	2	18	710069	88	1870	0	787885	1500000
8	2	18	1484341	92	1453	0	14022	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	14	647339	67	1083	0	18110	666666
2	2	14	361713	91	1182	0	303589	666666
3	1	14	324860	71	0	0	341735	666666
4	3	14	290253	73	1306	1786	373102	666666
5	3	14	622562	64	1607	1965	40340	666666
6	2	14	13063	64	1546	0	651929	666666
7	3	14	618613	89	1486	1197	45103	666666
8	1	14	449627	72	0	0	216967	666666
9	2	14	634145	87	1158	0	31189	666666
10	1	14	351120	99	0	0	315447	666666
11	2	14	477181	96	1764	0	187529	666666
12	1	14	421646	87	0	0	244933	666666
13	1	14	425009	86	0	0	241571	666666
14	1	14	434039	76	0	0	232551	666666
15	1	14	356688	64	0	0	309914	666666
16	1	14	509881	67	0	0	156718	666666
17	1	14	354006	78	0	0	312582	666666
18	3	14	287897	93	1698	1335	375457	666666

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	6	267242	91	0	0	399333	666666
2	3	6	163741	57	1930	1500	499324	666666
3	1	6	180762	92	0	0	485812	666666
4	3	6	257774	65	1561	1314	405822	666666
5	2	6	123506	64	1590	0	541442	666666
6	1	6	531111	60	0	0	135495	666666
7	2	6	109485	55	1292	0	555779	666666
8	2	6	507699	86	1682	0	157113	666666
9	2	6	189229	70	1061	0	476236	666666
10	2	6	19562	50	1019	0	645985	666666
11	1	6	476313	77	0	0	190276	666666
12	2	6	429977	81	1027	0	235500	666666
13	1	6	210245	83	0	0	456338	666666
14	3	6	341824	61	1146	1008	322505	666666
15	3	6	14443	63	1620	1610	648804	666666
16	3	6	111701	72	1475	1306	551968	666666
17	1	6	443182	56	0	0	223428	666666
18	3	6	217067	66	1580	1104	446717	666666

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	15	182690	68	0	0	1150575	1333333
2	2	15	1014082	84	1506	0	317577	1333333
3	2	15	525410	97	1220	0	806509	1333333
4	1	15	364356	78	0	0	968899	1333333
5	1	15	972634	83	0	0	360616	1333333
6	1	15	572923	67	0	0	760343	1333333
7	1	15	1022907	99	0	0	310327	1333333
8	2	15	1204826	94	1451	0	126868	1333333
9	1	15	1203174	94	0	0	130065	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	7	514025	55	1889	1710	148877	666666
2	2	7	582181	88	1690	0	82619	666666
3	2	7	27507	66	1245	0	637782	666666
4	2	7	619654	77	1558	0	45300	666666
5	1	7	327387	89	0	0	339190	666666
6	1	7	248109	84	0	0	418473	666666
7	2	7	593423	57	1822	0	71307	666666
8	2	7	386501	86	1540	0	278453	666666
9	3	7	309859	59	1819	1184	353627	666666
10	2	7	573627	89	1637	0	91224	666666
11	1	7	554810	98	0	0	111758	666666
12	1	7	359284	94	0	0	307288	666666
13	1	7	562600	65	0	0	104001	666666
14	2	7	301582	57	1300	0	363670	666666
15	2	7	599245	92	1601	0	65636	666666
16	3	7	511022	87	1816	1110	152457	666666
17	3	7	340191	98	1298	1033	323850	666666
18	2	7	444910	59	1394	0	220244	666666

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	9	414008	67	1426	1045	583320	1000000
2	1	9	252527	67	0	0	747406	1000000
3	2	9	14693	58	1997	0	983194	1000000
4	1	9	654395	100	0	0	345505	1000000
5	1	9	951779	50	0	0	48171	1000000
6	3	9	756094	83	1108	1658	240891	1000000
7	1	9	588534	61	0	0	411405	1000000
8	3	9	66947	51	1480	1685	929735	1000000
9	2	9	639112	93	1947	0	358755	1000000
10	1	9	708638	66	0	0	291296	1000000
11	1	9	811023	78	0	0	188899	1000000
12	2	9	385392	51	1258	0	613248	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	16	408690	76	1029	0	296011	705882
2	1	16	301922	83	0	0	403877	705882
3	1	16	304140	75	0	0	401667	705882
4	1	16	516727	92	0	0	189063	705882
5	2	16	141956	96	1950	0	561784	705882
6	3	16	271162	71	1149	1554	431804	705882
7	1	16	335810	57	0	0	370015	705882
8	3	16	204362	56	1353	1716	498283	705882
9	3	16	268690	95	1050	1523	434334	705882
10	1	16	136683	58	0	0	569141	705882
11	3	16	568196	53	1813	1058	134656	705882
12	2	16	502239	70	1766	0	201737	705882
13	1	16	311421	94	0	0	394367	705882
14	1	16	332067	86	0	0	373729	705882
15	1	16	495356	86	0	0	210440	705882
16	2	16	564086	80	1022	0	140614	705882
17	1	16	695364	68	0	0	10450	705882

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	10	1439961	90	1907	0	57952	1500000
2	3	10	1164568	100	1578	1716	331838	1500000
3	1	10	422851	93	0	0	1077056	1500000
4	3	10	557480	65	1481	1678	939166	1500000
5	2	10	480382	83	1907	0	1017545	1500000
6	2	10	942926	76	1728	0	555194	1500000
7	3	10	842826	71	1957	1339	653665	1500000
8	2	10	1293614	88	1175	0	205035	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	8	636544	91	1288	1644	66133	705882
2	2	8	226	98	1918	0	703542	705882
3	1	8	341206	82	0	0	364594	705882
4	3	8	625273	82	1392	1087	77884	705882
5	1	8	526840	52	0	0	178990	705882
6	3	8	461376	75	1667	1510	241104	705882
7	3	8	310246	94	1092	1694	392568	705882
8	2	8	32	94	1787	0	703875	705882
9	2	8	79328	54	1562	0	624884	705882
10	2	8	429465	61	1011	0	275284	705882
11	1	8	273381	52	0	0	432449	705882
12	3	8	690173	57	1899	1031	12608	705882
13	2	8	185129	66	1485	0	519136	705882
14	2	8	147851	93	1794	0	556051	705882
15	2	8	633573	65	1890	0	70289	705882
16	3	8	311772	79	1327	1616	390930	705882
17	2	8	584386	67	1047	0	120315	705882

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	13	659267	69	1793	1553	428089	1090909
2	2	13	469755	57	1565	0	619475	1090909
3	2	13	178313	51	1084	0	911410	1090909
4	2	13	623259	74	1812	0	465690	1090909
5	2	13	1066016	76	1538	0	23203	1090909
6	2	13	598370	73	1435	0	490958	1090909
7	3	13	104918	56	1677	1687	982459	1090909
8	2	13	187348	91	1355	0	902024	1090909
9	1	13	978178	55	0	0	112676	1090909
10	1	13	724800	99	0	0	366010	1090909
11	1	13	766383	91	0	0	324435	1090909

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	14	787103	58	0	0	303748	1090909
2	3	14	433787	61	1554	1478	653907	1090909
3	3	14	392156	53	1120	1684	695790	1090909
4	2	14	57599	68	1417	0	1031757	1090909
5	2	14	546366	74	1452	0	542943	1090909
6	3	14	54950	89	1422	1717	1032553	1090909
7	3	14	491711	87	1689	1187	596061	1090909
8	1	14	456449	95	0	0	634365	1090909
9	3	14	146453	78	1192	1597	941433	1090909
10	2	14	486535	67	1561	0	602679	1090909
11	3	14	1033354	78	1465	1693	54163	1090909

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	15	587686	89	0	0	912225	1500000
2	3	15	796001	63	1016	1949	700845	1500000
3	1	15	1368602	82	0	0	131316	1500000
4	1	15	894040	58	0	0	605902	1500000
5	1	15	310148	54	0	0	1189798	1500000
6	2	15	741824	55	1177	0	756889	1500000
7	3	15	542873	75	1017	1393	954492	1500000
8	2	15	1176604	71	1421	0	321833	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	20	135497	83	1917	1791	660546	800000
2	3	20	381265	98	1897	1660	414884	800000
3	3	20	619137	58	1115	1214	178360	800000
4	1	20	110492	72	0	0	689436	800000
5	2	20	670809	63	1330	0	127735	800000
6	3	20	432875	77	1456	1742	363696	800000
7	1	20	208412	85	0	0	591503	800000
8	2	20	60757	86	1744	0	737327	800000
9	2	20	402582	50	1387	0	395931	800000
10	1	20	295771	63	0	0	504166	800000
11	2	20	622012	61	1167	0	176699	800000
12	1	20	240262	82	0	0	559656	800000
13	1	20	352847	99	0	0	447054	800000
14	3	20	531864	61	1936	1699	264318	800000
15	3	20	787896	67	1061	1359	9483	800000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	20	117076	77	1971	0	737941	857142
2	2	20	151992	69	1312	0	703700	857142
3	2	20	649396	99	1414	0	206134	857142
4	3	20	688912	52	1098	1166	165810	857142
5	3	20	738725	80	1616	1032	115529	857142
6	2	20	650343	97	1136	0	205469	857142
7	3	20	302290	66	1747	1421	551486	857142
8	3	20	418815	85	1560	1387	435125	857142
9	2	20	822818	68	1648	0	32540	857142
10	1	20	617396	79	0	0	239667	857142
11	2	20	303814	58	1810	0	551402	857142
12	1	20	794700	80	0	0	62362	857142
13	2	20	837603	89	1281	0	18080	857142
14	1	20	208678	83	0	0	648381	857142

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	11	668942	55	0	0	331003	1000000
2	3	11	618903	96	1490	1619	377700	1000000
3	1	11	938149	73	0	0	61778	1000000
4	2	11	16651	53	1298	0	981945	1000000
5	2	11	480591	50	1789	0	517520	1000000
6	2	11	68446	78	1280	0	930118	1000000
7	3	11	598524	98	1239	1162	398781	1000000
8	3	11	434949	53	1387	1696	561809	1000000
9	3	11	942629	61	1661	1819	53708	1000000
10	3	11	462516	94	1166	1405	534631	1000000
11	3	11	280530	71	1421	1891	715945	1000000
12	2	11	671609	82	1867	0	326360	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	10	243211	100	1912	0	677753	923076
2	1	10	506593	62	0	0	416421	923076
3	2	10	690739	94	1611	0	230538	923076
4	3	10	316529	74	1830	1776	602719	923076
5	1	10	97739	99	0	0	825238	923076
6	2	10	509277	55	1569	0	412120	923076
7	3	10	253611	50	1213	1554	666548	923076
8	1	10	184612	75	0	0	738389	923076
9	2	10	123644	58	1856	0	797460	923076
10	2	10	598129	87	1086	0	323687	923076
11	1	10	806587	92	0	0	116397	923076
12	1	10	664616	58	0	0	258402	923076
13	3	10	12204	57	1148	1630	907923	923076

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	7	863972	87	1983	0	633871	1500000
2	3	7	1046108	58	1322	1629	450767	1500000
3	2	7	533478	51	1451	0	964969	1500000
4	1	7	760442	100	0	0	739458	1500000
5	1	7	1031365	82	0	0	468553	1500000
6	2	7	1263069	52	1906	0	234921	1500000
7	3	7	965660	75	1747	1674	530694	1500000
8	3	7	1310486	60	1638	1447	186249	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	13	877723	59	0	0	455551	1333333
2	2	13	1237823	83	1320	0	94024	1333333
3	3	13	1312598	64	1295	1697	17551	1333333
4	1	13	875902	74	0	0	457357	1333333
5	3	13	188938	98	1101	1807	1141193	1333333
6	2	13	524607	77	1359	0	807213	1333333
7	2	13	1243728	94	1579	0	87838	1333333
8	3	13	568463	84	1185	1413	762020	1333333
9	1	13	833493	100	0	0	499740	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	18	340010	58	1916	0	257958	600000
2	1	18	310339	68	0	0	289593	600000
3	3	18	107443	55	1962	1919	488511	600000
4	2	18	155012	86	1716	0	443100	600000
5	2	18	314963	65	1422	0	283485	600000
6	3	18	352165	55	1990	1028	244652	600000
7	2	18	288912	68	1789	0	309163	600000
8	3	18	517845	71	1413	1916	78613	600000
9	3	18	277392	78	1744	1465	319165	600000
10	2	18	198306	60	1201	0	400373	600000
11	3	18	377775	75	1063	1743	219194	600000
12	3	18	156344	96	1382	1784	440202	600000
13	2	18	418699	80	1130	0	180011	600000
14	2	18	542009	64	1302	0	56561	600000
15	2	18	35662	81	1859	0	562317	600000
16	2	18	13173	82	1351	0	585312	600000
17	2	18	582930	65	1626	0	15314	600000
18	3	18	581121	93	1791	1671	15138	600000
19	1	18	161962	69	0	0	437969	600000
20	3	18	542825	53	1965	1941	53110	600000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	12	46956	51	1572	1123	1450196	1500000
2	3	12	1248100	63	1898	1179	248634	1500000
3	2	12	947880	98	1595	0	550329	1500000
4	3	12	1199248	97	1404	1248	297809	1500000
5	1	12	616865	77	0	0	883058	1500000
6	1	12	962698	55	0	0	537247	1500000
7	3	12	328211	64	1535	1855	1168207	1500000
8	2	12	160525	86	1942	0	1337361	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	11	985681	58	1406	1290	102358	1090909
2	2	11	413747	59	1327	0	675717	1090909
3	2	11	170573	80	1621	0	918555	1090909
4	2	11	1082840	77	1181	0	6734	1090909
5	1	11	92424	89	0	0	998396	1090909
6	3	11	773269	100	1289	1141	314910	1090909
7	1	11	468319	65	0	0	622525	1090909
8	3	11	753233	86	1150	1664	334604	1090909
9	2	11	1055923	76	1591	0	33243	1090909
10	1	11	1038261	66	0	0	52582	1090909
11	3	11	956129	78	1713	1703	131130	1090909

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	19	785229	52	0	0	714719	1500000
2	1	19	287799	64	0	0	1212137	1500000
3	1	19	1312535	72	0	0	187393	1500000
4	1	19	865797	93	0	0	634110	1500000
5	1	19	1243916	72	0	0	256012	1500000
6	3	19	877651	54	1190	1206	619791	1500000
7	2	19	877974	90	1551	0	620295	1500000
8	3	19	528695	82	1972	1379	967708	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	7	479850	75	0	0	225957	705882
2	2	7	150759	93	1799	0	553138	705882
3	3	7	603872	54	1197	1248	99403	705882
4	3	7	451380	68	1495	1681	251122	705882
5	2	7	227564	94	1362	0	476768	705882
6	2	7	483036	67	1223	0	221489	705882
7	2	7	486017	53	1538	0	218221	705882
8	2	7	701632	74	1166	0	2936	705882
9	1	7	605440	64	0	0	100378	705882
10	2	7	272164	86	1153	0	432393	705882
11	3	7	464991	63	1008	1183	238511	705882
12	2	7	270103	64	1441	0	434210	705882
13	2	7	467379	53	1101	0	237296	705882
14	1	7	119427	86	0	0	586369	705882
15	2	7	409863	95	1328	0	294501	705882
16	2	7	562426	62	1957	0	141375	705882
17	2	7	289305	66	1909	0	414536	705882

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	19	987254	100	0	0	345979	1333333
2	2	19	114818	83	1189	0	1217160	1333333
3	2	19	357517	100	1964	0	973652	1333333
4	1	19	1203439	61	0	0	129833	1333333
5	2	19	179548	78	1185	0	1152444	1333333
6	3	19	1264759	65	1761	1400	65218	1333333
7	1	19	823747	57	0	0	509529	1333333
8	3	19	294973	72	1392	1760	1034992	1333333
9	2	19	938230	71	1919	0	393042	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	10	478086	62	1546	1642	185206	666666
2	2	10	538218	93	1257	0	127005	666666
3	1	10	591378	61	0	0	75227	666666
4	1	10	72120	57	0	0	594489	666666
5	3	10	41160	89	1466	1603	622170	666666
6	1	10	287911	63	0	0	378692	666666
7	2	10	406941	53	1035	0	258584	666666
8	1	10	133473	98	0	0	533095	666666
9	1	10	356214	57	0	0	310395	666666
10	2	10	135757	72	1414	0	529351	666666
11	2	10	586069	50	1426	0	79071	666666
12	2	10	427784	100	1588	0	237094	666666
13	3	10	285171	79	1425	1452	378381	666666
14	3	10	271255	68	1773	1691	391743	666666
15	3	10	634623	84	1956	1282	28553	666666
16	1	10	177613	99	0	0	488954	666666
17	3	10	232689	97	1933	1550	430203	666666
18	1	10	14872	71	0	0	651723	666666

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	15	480100	95	1104	1756	266755	750000
2	2	15	561864	80	1927	0	186049	750000
3	1	15	27854	80	0	0	722066	750000
4	2	15	532919	67	1474	0	215473	750000
5	2	15	297252	76	1432	0	451164	750000
6	1	15	440997	68	0	0	308935	750000
7	2	15	481845	81	1941	0	266052	750000
8	1	15	155336	52	0	0	594612	750000
9	1	15	247968	81	0	0	501951	750000
10	1	15	109921	73	0	0	640006	750000
11	2	15	391388	88	1545	0	356891	750000
12	3	15	349306	56	1909	1139	397478	750000
13	3	15	5333	68	1883	1286	741294	750000
14	2	15	715448	74	1810	0	32594	750000
15	2	15	276885	100	1213	0	471702	750000
16	3	15	126667	67	1170	1514	620448	750000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	19	342415	89	0	0	457496	800000
2	2	19	677569	55	1588	0	120733	800000
3	1	19	258959	67	0	0	540974	800000
4	2	19	511824	100	1445	0	286531	800000
5	2	19	375986	78	1460	0	422398	800000
6	1	19	526091	78	0	0	273831	800000
7	2	19	556259	76	1109	0	242480	800000
8	3	19	351910	54	1366	1698	444864	800000
9	2	19	233177	64	1394	0	565301	800000
10	1	19	679034	82	0	0	120884	800000
11	3	19	164439	100	1724	1972	631565	800000
12	1	19	245427	73	0	0	554500	800000
13	2	19	74002	93	1536	0	724276	800000
14	3	19	182765	87	1927	1642	613405	800000
15	1	19	670757	64	0	0	129179	800000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	6	85620	76	0	0	620186	705882
2	3	6	344448	76	1788	1137	358281	705882
3	3	6	408725	82	1731	1391	293789	705882
4	3	6	154930	92	1302	1817	547557	705882
5	3	6	199577	61	1618	1641	502863	705882
6	1	6	589593	88	0	0	116201	705882
7	3	6	291955	77	1983	1125	410588	705882
8	3	6	107722	79	1155	1600	595168	705882
9	1	6	635350	80	0	0	70452	705882
10	1	6	200918	63	0	0	504901	705882
11	3	6	692135	95	1538	1103	10821	705882
12	2	6	1810	56	1815	0	702145	705882
13	2	6	132050	70	1992	0	571700	705882
14	2	6	99138	61	1921	0	604701	705882
15	3	6	630597	83	1954	1643	71439	705882
16	1	6	142156	56	0	0	563670	705882
17	3	6	3912	74	1812	1968	697968	705882

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	14	207932	83	1598	1985	419814	631578
2	3	14	488760	67	1490	1851	139276	631578
3	1	14	369986	57	0	0	261535	631578
4	2	14	2420	84	1086	0	627904	631578
5	1	14	71198	65	0	0	560315	631578
6	2	14	333900	51	1019	0	296557	631578
7	2	14	601462	62	1588	0	28404	631578
8	1	14	53583	68	0	0	577927	631578
9	2	14	221243	66	1782	0	408421	631578
10	2	14	408118	85	1668	0	221622	631578
11	2	14	276548	71	1922	0	352966	631578
12	2	14	550935	88	1348	0	79119	631578
13	1	14	97532	65	0	0	533981	631578
14	3	14	122224	61	1092	1188	506891	631578
15	1	14	377135	61	0	0	254382	631578
16	2	14	601940	57	1221	0	28303	631578
17	2	14	235298	70	1915	0	394225	631578
18	3	14	9683	55	1709	1653	618368	631578
19	1	14	497245	83	0	0	134250	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	10	75207	72	0	0	674721	750000
2	2	10	244927	72	1192	0	503737	750000
3	1	10	29321	64	0	0	720615	750000
4	2	10	78191	95	1463	0	670156	750000
5	1	10	384690	70	0	0	365240	750000
6	2	10	412310	51	1552	0	336036	750000
7	2	10	373478	50	1687	0	374735	750000
8	2	10	669771	68	1822	0	78271	750000
9	3	10	285538	79	1939	1569	460717	750000
10	2	10	200028	93	1677	0	548109	750000
11	3	10	175694	66	1647	1154	571307	750000
12	2	10	411119	81	1011	0	337708	750000
13	2	10	479114	95	1846	0	268850	750000
14	3	10	570581	90	1745	1675	175729	750000
15	2	10	618124	72	1530	0	130202	750000
16	2	10	656074	56	1857	0	91957	750000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	5	615307	58	0	0	90517	705882
2	1	5	188848	56	0	0	516978	705882
3	3	5	545314	52	1724	1898	156790	705882
4	1	5	490382	97	0	0	215403	705882
5	1	5	441697	88	0	0	264097	705882
6	3	5	206494	70	1137	1489	496552	705882
7	3	5	421818	91	1602	1488	280701	705882
8	3	5	453394	82	1386	1805	249051	705882
9	1	5	223402	59	0	0	482421	705882
10	1	5	58162	73	0	0	647647	705882
11	1	5	416641	98	0	0	289143	705882
12	1	5	341317	98	0	0	364467	705882
13	1	5	505080	98	0	0	200704	705882
14	3	5	165928	56	1595	1126	537065	705882
15	3	5	482795	57	1074	1427	220415	705882
16	1	5	14922	79	0	0	690881	705882
17	1	5	478963	83	0	0	226836	705882

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	12	537137	68	0	0	168677	705882
2	1	12	50655	72	0	0	655155	705882
3	2	12	329240	84	1026	0	375448	705882
4	3	12	488352	94	1463	1243	214542	705882
5	2	12	242669	83	1266	0	461781	705882
6	3	12	430543	72	1540	1639	271944	705882
7	3	12	618074	98	1867	1654	83993	705882
8	1	12	696663	69	0	0	9150	705882
9	1	12	638517	81	0	0	67284	705882
10	2	12	313304	72	1566	0	390868	705882
11	1	12	338285	93	0	0	367504	705882
12	1	12	571847	91	0	0	133944	705882
13	2	12	563507	97	1768	0	140413	705882
14	1	12	52120	52	0	0	653710	705882
15	3	12	603968	91	1425	1987	98229	705882
16	1	12	27431	86	0	0	678365	705882
17	2	12	624113	82	1769	0	79836	705882

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	18	49632	77	1833	0	654263	705882
2	2	18	217918	72	1087	0	486733	705882
3	2	18	507579	81	1115	0	197026	705882
4	3	18	640666	68	1457	1793	61762	705882
5	3	18	593389	51	1782	1146	109412	705882
6	2	18	123590	95	1152	0	580950	705882
7	1	18	126506	98	0	0	579278	705882
8	3	18	45988	87	1917	1993	655723	705882
9	2	18	374842	100	1441	0	329399	705882
10	1	18	274046	83	0	0	431753	705882
11	3	18	354038	52	1753	1919	348016	705882
12	1	18	414820	77	0	0	290985	705882
13	3	18	231906	60	1930	1706	470160	705882
14	1	18	547106	95	0	0	158681	705882
15	2	18	596423	77	1800	0	107505	705882
16	1	18	117645	52	0	0	588185	705882
17	2	18	539429	79	1895	0	164400	705882

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	19	789138	97	1186	1008	708377	1500000
2	3	19	559877	85	1277	1019	937572	1500000
3	2	19	297580	56	1358	0	1200950	1500000
4	1	19	845968	58	0	0	653974	1500000
5	2	19	17073	86	1380	0	1481375	1500000
6	3	19	1185499	73	1164	1842	311276	1500000
7	1	19	1268333	50	0	0	231617	1500000
8	2	19	1475980	77	1393	0	22473	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	9	6332	89	0	0	850721	857142
2	2	9	284041	94	1372	0	571541	857142
3	1	9	627941	61	0	0	229140	857142
4	2	9	373584	77	1408	0	481996	857142
5	3	9	439443	93	1256	1360	414804	857142
6	1	9	91250	83	0	0	765809	857142
7	1	9	333999	56	0	0	523087	857142
8	3	9	134422	50	1804	1222	719544	857142
9	1	9	128830	71	0	0	728241	857142
10	3	9	853270	82	1626	1638	362	857142
11	2	9	512102	79	1908	0	342974	857142
12	2	9	753546	50	1848	0	101648	857142
13	3	9	179746	100	1020	1265	674811	857142
14	2	9	507075	92	1943	0	347940	857142

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	9	968449	55	1685	0	120665	1090909
2	3	9	232389	94	1859	1580	854799	1090909
3	2	9	1042410	90	1205	0	47114	1090909
4	3	9	167671	59	1463	1176	920422	1090909
5	1	9	869121	73	0	0	221715	1090909
6	3	9	578175	54	1406	1215	509951	1090909
7	1	9	977885	64	0	0	112960	1090909
8	1	9	21060	95	0	0	1069754	1090909
9	1	9	400316	58	0	0	690535	1090909
10	3	9	693026	60	1038	1737	394928	1090909
11	2	9	987597	58	1915	0	101281	1090909

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	6	583946	89	1453	1365	270111	857142
2	1	6	105106	75	0	0	751961	857142
3	3	6	202358	91	1188	1444	651879	857142
4	2	6	649106	96	1469	0	206375	857142
5	3	6	526814	70	1770	1614	326734	857142
6	3	6	310968	69	1934	1060	542973	857142
7	3	6	69855	52	1358	1709	784064	857142
8	1	6	644279	98	0	0	212765	857142
9	2	6	403507	92	1783	0	451668	857142
10	1	6	798668	84	0	0	58390	857142
11	3	6	585241	83	1335	1021	269296	857142
12	3	6	45174	61	1066	1264	809455	857142
13	1	6	247766	93	0	0	609283	857142
14	2	6	705171	84	1528	0	150275	857142

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	18	861227	92	1079	1145	336273	1200000
2	1	18	860262	56	0	0	339682	1200000
3	2	18	683072	50	1978	0	514850	1200000
4	3	18	611047	62	1687	1432	585648	1200000
5	3	18	169257	66	1692	1066	1027787	1200000
6	3	18	974813	55	1595	1717	221710	1200000
7	2	18	1103817	88	1921	0	94086	1200000
8	1	18	1118901	69	0	0	81030	1200000
9	2	18	847389	87	1724	0	350713	1200000
10	2	18	293026	79	1968	0	904848	1200000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	13	267901	54	1597	0	330394	600000
2	1	13	268281	80	0	0	331639	600000
3	1	13	390412	71	0	0	209517	600000
4	3	13	346859	66	1377	1039	250527	600000
5	2	13	390099	79	1968	0	207775	600000
6	2	13	283496	54	1139	0	315257	600000
7	2	13	250171	65	1243	0	348456	600000
8	3	13	542041	92	1713	1815	54155	600000
9	1	13	109907	87	0	0	490006	600000
10	1	13	155027	62	0	0	444911	600000
11	2	13	440797	94	1745	0	157270	600000
12	2	13	567719	96	1420	0	30669	600000
13	3	13	66045	68	1885	1910	529956	600000
14	3	13	290814	59	1445	1232	306332	600000
15	2	13	164046	61	1272	0	434560	600000
16	3	13	98755	85	1497	1365	498128	600000
17	3	13	304089	55	1605	1591	292550	600000
18	1	13	265984	75	0	0	333941	600000
19	3	13	126696	94	1135	1022	470865	600000
20	1	13	475190	64	0	0	124746	600000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	13	875588	53	1327	0	322979	1200000
2	3	13	961867	79	1538	1188	235170	1200000
3	3	13	876526	76	1345	1669	320232	1200000
4	2	13	163533	52	1898	0	1034465	1200000
5	2	13	257175	56	1637	0	941076	1200000
6	1	13	690741	81	0	0	509178	1200000
7	1	13	94474	70	0	0	1105456	1200000
8	2	13	648612	95	1434	0	549764	1200000
9	1	13	23802	67	0	0	1176131	1200000
10	2	13	527850	64	1648	0	670374	1200000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	9	308107	67	0	0	1191826	1500000
2	2	9	1389386	60	1688	0	108806	1500000
3	3	9	398628	71	1792	1522	1097845	1500000
4	1	9	2885	66	0	0	1497049	1500000
5	2	9	944774	86	1010	0	554044	1500000
6	3	9	65288	67	1875	1276	1431360	1500000
7	2	9	1349366	94	1959	0	148487	1500000
8	3	9	1278286	51	1690	1004	218867	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	13	531689	60	1672	1216	265243	800000
2	3	13	625260	78	1591	1160	171755	800000
3	2	13	407807	54	1333	0	390752	800000
4	3	13	437472	60	1548	1834	358966	800000
5	2	13	479731	59	1638	0	318513	800000
6	2	13	30133	93	1599	0	768082	800000
7	1	13	484400	79	0	0	315521	800000
8	2	13	326548	91	1841	0	471429	800000
9	2	13	206098	87	1588	0	592140	800000
10	3	13	13073	53	1442	1348	783978	800000
11	1	13	521581	86	0	0	278333	800000
12	1	13	299576	51	0	0	500373	800000
13	1	13	450404	95	0	0	349501	800000
14	1	13	399786	88	0	0	400126	800000
15	2	13	296990	91	1910	0	500918	800000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	20	337106	69	1368	1531	326454	666666
2	1	20	329161	98	0	0	337407	666666
3	1	20	383833	51	0	0	282782	666666
4	1	20	339301	73	0	0	327292	666666
5	3	20	282503	59	1397	1503	381086	666666
6	2	20	429677	82	1438	0	235387	666666
7	3	20	55105	65	1420	1843	608103	666666
8	1	20	462841	50	0	0	203775	666666
9	1	20	502129	75	0	0	164462	666666
10	3	20	582947	63	1633	1347	80550	666666
11	3	20	360879	63	1917	1152	302529	666666
12	2	20	381401	67	1944	0	283187	666666
13	1	20	209006	81	0	0	457579	666666
14	1	20	170666	91	0	0	495909	666666
15	2	20	543552	99	1461	0	121455	666666
16	2	20	211855	84	1151	0	453492	666666
17	1	20	68782	89	0	0	597795	666666
18	2	20	178741	87	1410	0	486341	666666

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	5	598135	56	1160	0	32171	631578
2	2	5	57739	77	1438	0	572247	631578
3	3	5	384903	95	1444	1743	243203	631578
4	3	5	214800	69	1688	1020	413863	631578
5	1	5	354265	99	0	0	277214	631578
6	3	5	533562	91	1552	1971	94220	631578
7	1	5	440110	70	0	0	191398	631578
8	2	5	496963	91	1205	0	133228	631578
9	3	5	186533	66	1196	1259	442392	631578
10	3	5	602050	64	1657	1266	26413	631578
11	3	5	519205	64	1102	1835	109244	631578
12	2	5	303403	77	1720	0	326301	631578
13	2	5	414364	100	1800	0	215214	631578
14	2	5	237088	61	1130	0	393238	631578
15	1	5	56147	52	0	0	575379	631578
16	3	5	564669	68	1264	1236	64205	631578
17	3	5	618356	66	1892	1234	9898	631578
18	3	5	42217	59	1990	1820	585374	631578
19	3	5	158204	93	1699	1263	470133	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	6	994269	82	1237	0	337663	1333333
2	2	6	254289	73	1121	0	1077777	1333333
3	3	6	1240779	89	1174	1104	90009	1333333
4	3	6	797681	77	1045	1141	533235	1333333
5	1	6	520387	60	0	0	812886	1333333
6	2	6	870485	75	1013	0	461685	1333333
7	2	6	808247	78	1238	0	523692	1333333
8	3	6	928936	95	1115	1698	401299	1333333
9	2	6	698846	94	1853	0	632446	1333333

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	10	461582	100	1719	0	536499	1000000
2	1	10	44318	97	0	0	955585	1000000
3	3	10	208080	55	1073	1538	789144	1000000
4	3	10	428322	90	1959	1055	568394	1000000
5	2	10	290313	80	1669	0	707858	1000000
6	2	10	181228	54	1866	0	816798	1000000
7	3	10	519387	95	1320	1091	477917	1000000
8	1	10	970462	57	0	0	29481	1000000
9	3	10	337808	83	1575	1589	658779	1000000
10	1	10	365806	93	0	0	634101	1000000
11	2	10	31966	63	1554	0	966354	1000000
12	2	10	678919	52	1861	0	319116	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	11	423963	61	0	0	242642	666666
2	2	11	541457	73	1814	0	123249	666666
3	3	11	634072	85	1030	1080	30229	666666
4	1	11	614297	61	0	0	52308	666666
5	3	11	123007	71	1336	1417	540693	666666
6	2	11	92971	73	1974	0	571575	666666
7	1	11	116237	95	0	0	550334	666666
8	1	11	152316	56	0	0	514294	666666
9	1	11	35449	95	0	0	631122	666666
10	3	11	94216	61	1338	1358	569571	666666
11	1	11	142766	83	0	0	523817	666666
12	3	11	245063	98	1987	1848	417474	666666
13	2	11	31365	98	1995	0	633110	666666
14	3	11	332225	70	1799	1233	331199	666666
15	3	11	191373	55	1004	1104	473020	666666
16	2	11	551464	80	1184	0	113858	666666
17	2	11	361812	66	1755	0	302967	666666
18	1	11	125561	52	0	0	541053	666666

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	8	359121	85	1005	1067	305218	666666
2	1	8	259456	53	0	0	407157	666666
3	2	8	442822	80	1109	0	222575	666666
4	2	8	415193	62	1616	0	249733	666666
5	2	8	86981	84	1085	0	578432	666666
6	2	8	85034	87	1388	0	580070	666666
7	2	8	74946	79	1226	0	590336	666666
8	2	8	121253	68	1528	0	543749	666666
9	3	8	632763	72	1686	1366	30635	666666
10	3	8	469255	61	1181	1578	194469	666666
11	3	8	308176	57	1783	1239	355297	666666
12	3	8	341866	74	1795	1736	321047	666666
13	3	8	50457	99	1366	1233	613313	666666
14	1	8	311131	86	0	0	355449	666666
15	3	8	119196	50	1982	1719	543619	666666
16	2	8	5056	76	1207	0	660251	666666
17	3	8	648607	85	1071	1094	15639	666666
18	3	8	61029	80	1865	1387	602145	666666

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	16	353041	55	1337	0	445512	800000
2	2	16	715386	61	1775	0	82717	800000
3	3	16	163726	88	1087	1285	633638	800000
4	2	16	110982	53	1277	0	687635	800000
5	3	16	63036	55	1333	1132	734334	800000
6	3	16	474199	96	1812	1232	322469	800000
7	3	16	289055	100	1101	1803	507741	800000
8	1	16	494106	92	0	0	305802	800000
9	1	16	623240	51	0	0	176709	800000
10	1	16	532136	72	0	0	267792	800000
11	2	16	552531	86	1291	0	246006	800000
12	1	16	32920	50	0	0	767030	800000
13	2	16	530068	64	1860	0	267944	800000
14	1	16	241095	58	0	0	558847	800000
15	2	16	7359	70	1896	0	790605	800000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	9	777564	81	0	0	722355	1500000
2	1	9	1316095	57	0	0	183848	1500000
3	1	9	146182	55	0	0	1353763	1500000
4	3	9	688585	67	1321	1925	807968	1500000
5	1	9	1007025	71	0	0	492904	1500000
6	2	9	1151930	90	1008	0	346882	1500000
7	3	9	1468171	86	1833	1754	27984	1500000
8	3	9	1244585	99	1418	1366	252334	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	9	347547	66	0	0	283965	631578
2	2	9	29799	54	1902	0	599769	631578
3	2	9	111134	78	1628	0	518660	631578
4	2	9	107556	77	1380	0	522488	631578
5	2	9	64421	68	1822	0	565199	631578
6	2	9	397406	96	1558	0	232422	631578
7	3	9	499534	79	1326	1811	128670	631578
8	3	9	586516	94	1219	1305	42256	631578
9	2	9	213820	71	1373	0	416243	631578
10	1	9	181231	59	0	0	450288	631578
11	3	9	117091	86	1241	1389	511599	631578
12	1	9	309967	75	0	0	321536	631578
13	2	9	21833	55	1731	0	607904	631578
14	1	9	241867	91	0	0	389620	631578
15	3	9	340457	83	1161	1818	287893	631578
16	3	9	458764	70	1745	1974	168885	631578
17	2	9	538960	77	1343	0	91121	631578
18	1	9	384743	71	0	0	246764	631578
19	2	9	59236	69	1050	0	571154	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	19	624172	51	1808	0	373918	1000000
2	3	19	787675	96	1692	1849	208496	1000000
3	2	19	159865	76	1126	0	838857	1000000
4	2	19	156471	69	1219	0	842172	1000000
5	2	19	280284	100	1774	0	717742	1000000
6	1	19	719221	50	0	0	280729	1000000
7	1	19	86446	57	0	0	913497	1000000
8	2	19	717858	86	1560	0	280410	1000000
9	1	19	573333	98	0	0	426569	1000000
10	1	19	855876	91	0	0	144033	1000000
11	3	19	31943	52	1934	1255	964712	1000000
12	1	19	31891	87	0	0	968022	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	19	483708	56	0	0	266236	750000
2	1	19	37848	72	0	0	712080	750000
3	2	19	173965	72	1670	0	574221	750000
4	3	19	318528	91	1785	1956	427458	750000
5	1	19	348254	98	0	0	401648	750000
6	1	19	267238	55	0	0	482707	750000
7	2	19	280472	84	1526	0	467834	750000
8	2	19	408359	52	1157	0	340380	750000
9	1	19	238999	97	0	0	510904	750000
10	1	19	454978	67	0	0	294955	750000
11	1	19	227876	97	0	0	522027	750000
12	1	19	689859	54	0	0	60087	750000
13	2	19	474215	98	1715	0	273874	750000
14	2	19	279250	91	1085	0	469483	750000
15	1	19	353015	69	0	0	396916	750000
16	1	19	180216	80	0	0	569704	750000

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