

Company: Radwin Ltd.

Test of: AP0158770

To: FCC CFR 47 Part 15 Subpart E 15.407, ISED RSS-247

Report No.: RDWN48-U6_DFS Rev A

DFS TEST REPORT ADDENDUM



DFS TEST REPORT ADDENDUM



Test of: Radwin AP0158770

To: FCC CFR 47 Part 15 Subpart E 15.407, ISSED RSS-247

Test Report Serial No.: RDWN48-U6_ DFS Rev A

This report supersedes: RDWN39-U9c DFS (Type 5 Radar Signature)

Applicant: Radwin
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Issue Date: 20th November 2017

Master Document Number	Addendum Reports
RDWN39-U9	RDWN39-U9a Conducted
	RDWN39-U9b Radiated
	RDWN39-U9c DFS (excluding Type 5 Radar Signature)
	RDWN48-U6_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:

Channel Bandwidth(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.



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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.



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.

2.4. 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.



2.5. 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.



2.6. 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.

2.6.1. Short Radar Pulses

Short Pulse Radar Test Waveforms

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

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



2.6.2. 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.

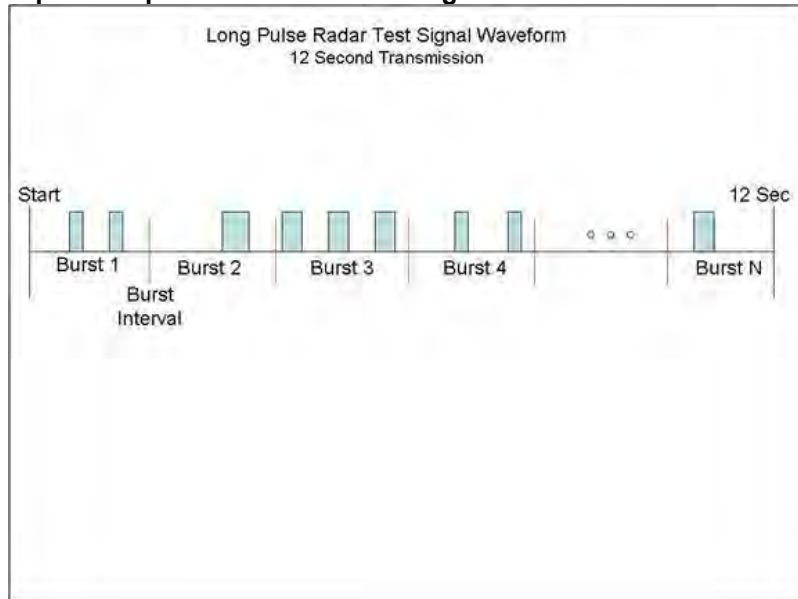
Each waveform is defined as follows:

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.





2.6.3. 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.

2.7. 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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2.8. Test Program Details

EUT Type: Master with radar detection

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

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

Test Environment: Conducted

Antenna Gain used for Testing: 11 dBi

10 MHz

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

20 MHz

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

40 MHz

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

80 MHz

Transmit Power: 23 dBi 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



3. TEST RESULTS

3.6. Dynamic Frequency Selection (DFS)

3.6.1. 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:

Total # of detections ÷ Total # of Trials × 100 = Probability of Detection

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

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

Example - Calculation of Aggregate Percentage

Radar Type	Number of Trials	Number of Successful Detections	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	30	100.00%	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	30	100.00%	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	29	96.67%	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 5498	1	1	100.00	Detecting
Type 5 #3 5498	1	1	100.00	Detecting
Type 5 #4 5500	1	1	100.00	Detecting
Type 5 #5 5502	1	1	100.00	Detecting
Type 5 #6 5500	1	1	100.00	Detecting
Type 5 #7 5500	1	0	0.00	Not Detecting
Type 5 #8 5498	1	1	100.00	Detecting
Type 5 #9 5500	1	1	100.00	Detecting
Type 5 #10 5501	1	1	100.00	Detecting
Type 5 #11 5498	1	1	100.00	Detecting
Type 5 #12 5500	1	0	0.00	Not Detecting
Type 5 #13 5502	1	1	100.00	Detecting
Type 5 #14 5501	1	1	100.00	Detecting
Type 5 #15 5500	1	1	100.00	Detecting
Type 5 #16 5498	1	0	0.00	Not Detecting
Type 5 #17 5500	1	1	100.00	Detecting
Type 5 #18 5502	1	1	100.00	Detecting
Type 5 #19 5502	1	1	100.00	Detecting
Type 5 #20 5500	1	0	0.00	Not Detecting
Type 5 #21 5500	1	1	100.00	Detecting
Type 5 #22 5504	1	1	100.00	Detecting
Type 5 #23 5500	1	1	100.00	Detecting
Type 5 #24 5500	1	1	100.00	Detecting
Type 5 #25 5499	1	1	100.00	Detecting
Type 5 #26 5503	1	0	0.00	Not Detecting
Type 5 #27 5500	1	1	100.00	Detecting
Type 5 #28 5500	1	0	0.00	Not Detecting
Type 5 #29 5500	1	1	100.00	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 5500	1	1	100.00	Detecting
Type 5 #2 5500	1	1	100.00	Detecting
Type 5 #3 5499	1	1	100.00	Detecting
Type 5 #4 5495	1	1	100.00	Detecting
Type 5 #5 5501	1	1	100.00	Detecting
Type 5 #6 5495	1	1	100.00	Detecting
Type 5 #7 5500	1	1	100.00	Detecting
Type 5 #8 5504	1	1	100.00	Detecting
Type 5 #9 5497	1	1	100.00	Detecting
Type 5 #10 5501	1	1	100.00	Detecting
Type 5 #11 5503	1	1	100.00	Detecting
Type 5 #12 5500	1	1	100.00	Detecting
Type 5 #13 5494	1	1	100.00	Detecting
Type 5 #14 5495	1	1	100.00	Detecting
Type 5 #15 5501	1	1	100.00	Detecting
Type 5 #16 5498	1	1	100.00	Detecting
Type 5 #17 5500	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 5497	1	1	100.00	Detecting
Type 5 #21 5502	1	1	100.00	Detecting
Type 5 #22 5499	1	1	100.00	Detecting
Type 5 #23 5497	1	1	100.00	Detecting
Type 5 #24 5505	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 5507	1	1	100.00	Detecting
Type 5 #28 5500	1	1	100.00	Detecting
Type 5 #29 5503	1	1	100.00	Detecting
Type 5 #30 5507	1	1	100.00	Detecting
Aggregate:	30	30	100.00	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 5487	1	1	100.00	Detecting
Type 5 #2 5490	1	1	100.00	Detecting
Type 5 #3 5500	1	1	100.00	Detecting
Type 5 #4 5488	1	1	100.00	Detecting
Type 5 #5 5514	1	1	100.00	Detecting
Type 5 #6 5513	1	1	100.00	Detecting
Type 5 #7 5512	1	1	100.00	Detecting
Type 5 #8 5513	1	1	100.00	Detecting
Type 5 #9 5500	1	1	100.00	Detecting
Type 5 #10 5510	1	1	100.00	Detecting
Type 5 #11 5500	1	1	100.00	Detecting
Type 5 #12 5500	1	1	100.00	Detecting
Type 5 #13 5489	1	1	100.00	Detecting
Type 5 #14 5500	1	1	100.00	Detecting
Type 5 #15 5516	1	1	100.00	Detecting
Type 5 #16 5500	1	1	100.00	Detecting
Type 5 #17 5500	1	1	100.00	Detecting
Type 5 #18 5500	1	1	100.00	Detecting
Type 5 #19 5488	1	1	100.00	Detecting
Type 5 #20 5489	1	1	100.00	Detecting
Type 5 #21 5489	1	1	100.00	Detecting
Type 5 #22 5500	1	1	100.00	Detecting
Type 5 #23 5510	1	1	100.00	Detecting
Type 5 #24 5512	1	1	100.00	Detecting
Type 5 #25 5500	1	1	100.00	Detecting
Type 5 #26 5484	1	1	100.00	Detecting
Type 5 #27 5486	1	1	100.00	Detecting
Type 5 #28 5488	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	30	100.00	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 5525	1	1	100.00	Detecting
Type 5 #2 5492	1	1	100.00	Detecting
Type 5 #3 5558	1	1	100.00	Detecting
Type 5 #4 5560	1	1	100.00	Detecting
Type 5 #5 5490	1	1	100.00	Detecting
Type 5 #6 5525	1	1	100.00	Detecting
Type 5 #7 5490	1	1	100.00	Detecting
Type 5 #8 5525	1	1	100.00	Detecting
Type 5 #9 5560	1	1	100.00	Detecting
Type 5 #10 5493	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 5559	1	1	100.00	Detecting
Type 5 #14 5559	1	1	100.00	Detecting
Type 5 #15 5489	1	1	100.00	Detecting
Type 5 #16 5525	1	1	100.00	Detecting
Type 5 #17 5525	1	1	100.00	Detecting
Type 5 #18 5525	1	1	100.00	Detecting
Type 5 #19 5559	1	1	100.00	Detecting
Type 5 #20 5525	1	1	100.00	Detecting
Type 5 #21 5525	1	1	100.00	Detecting
Type 5 #22 5559	1	1	100.00	Detecting
Type 5 #23 5493	1	1	100.00	Detecting
Type 5 #24 5491	1	1	100.00	Detecting
Type 5 #25 5559	1	1	100.00	Detecting
Type 5 #26 5557	1	1	100.00	Detecting
Type 5 #27 5493	1	1	100.00	Detecting
Type 5 #28 5492	1	0	0.00	Not Detecting
Type 5 #29 5558	1	1	100.00	Detecting
Type 5 #30 5494	1	1	100.00	Detecting
Aggregate:	30	29	96.67	Pass

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A. APPENDIX – RADAR SIGNATURES

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Burst 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	230937	90	1944	1164	765685	1000000
2	1	11	644929	92	0	0	354979	1000000
3	1	11	160465	73	0	0	839462	1000000
4	1	11	519051	80	0	0	480869	1000000
5	1	11	360363	88	0	0	639549	1000000
6	1	11	248202	69	0	0	751729	1000000
7	2	11	606298	78	1323	0	392223	1000000
8	3	11	408289	76	1293	1622	588568	1000000
9	2	11	139089	83	1219	0	859526	1000000
10	3	11	185410	64	1135	1254	812009	1000000
11	1	11	779039	68	0	0	220893	1000000
12	1	11	483915	79	0	0	516006	1000000

Type 5 #2 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	14	1255654	75	1269	1037	75148	1333333
2	2	14	366324	77	1387	0	965468	1333333
3	3	14	1198631	55	1459	1203	131875	1333333
4	1	14	564435	68	0	0	768830	1333333
5	2	14	871602	98	1579	0	459956	1333333
6	3	14	13940	60	1138	1094	1316981	1333333
7	2	14	575839	80	1593	0	755741	1333333
8	1	14	286796	99	0	0	1046438	1333333
9	2	14	1229048	82	1170	0	102951	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	16	133703	60	0	0	532903	666666
2	1	16	139612	77	0	0	526977	666666
3	2	16	194528	100	1397	0	470541	666666
4	2	16	577963	63	1338	0	87239	666666
5	2	16	28221	61	1646	0	636677	666666
6	1	16	527051	89	0	0	139526	666666
7	1	16	554056	96	0	0	112514	666666
8	1	16	347374	66	0	0	319226	666666
9	3	16	492844	90	1396	1414	170742	666666
10	1	16	546171	73	0	0	120422	666666
11	1	16	146243	67	0	0	520356	666666
12	2	16	398027	82	1252	0	267223	666666
13	1	16	333729	52	0	0	332885	666666
14	2	16	201203	64	1755	0	463580	666666
15	3	16	552606	58	1075	1086	111725	666666
16	2	16	315462	77	1109	0	349941	666666
17	2	16	264574	80	1806	0	400126	666666
18	2	16	215500	77	1968	0	449044	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	10	89153	83	1304	0	615259	705882
2	2	10	107986	57	1744	0	596038	705882
3	3	10	34498	58	1454	1992	667764	705882
4	2	10	318391	90	1845	0	385466	705882
5	1	10	632637	72	0	0	73173	705882
6	3	10	413277	90	1719	1979	288637	705882
7	1	10	257120	68	0	0	448694	705882
8	3	10	239048	61	1138	1326	464187	705882
9	3	10	61650	67	1572	1655	640804	705882
10	3	10	112422	55	1274	1342	590679	705882
11	2	10	141805	95	1217	0	562670	705882
12	1	10	302549	69	0	0	403264	705882
13	3	10	637727	67	1565	1671	64718	705882
14	2	10	333606	98	1818	0	370262	705882
15	3	10	315507	89	1595	1907	386606	705882
16	2	10	496817	83	1813	0	207086	705882
17	3	10	102663	91	1912	1765	599269	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	347053	54	1007	1006	250772	600000
2	1	14	274259	67	0	0	325674	600000
3	3	14	186027	65	1449	1834	410495	600000
4	2	14	443288	88	1551	0	154985	600000
5	3	14	15595	53	1547	1755	580944	600000
6	1	14	473903	74	0	0	126023	600000
7	1	14	517126	76	0	0	82798	600000
8	2	14	567808	95	1857	0	30145	600000
9	2	14	501852	73	1449	0	96553	600000
10	2	14	500240	73	1932	0	97682	600000
11	1	14	135054	64	0	0	464882	600000
12	3	14	133928	54	1031	1461	463418	600000
13	2	14	400698	97	1865	0	197243	600000
14	2	14	478190	89	1322	0	120310	600000
15	2	14	147326	75	1288	0	451236	600000
16	1	14	427054	69	0	0	172877	600000
17	1	14	538115	65	0	0	61820	600000
18	2	14	181318	56	1511	0	417059	600000
19	1	14	263186	89	0	0	336725	600000
20	2	14	360515	62	1395	0	237966	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	7	638709	78	1422	1745	63772	705882
2	3	7	2392	79	1717	1218	700318	705882
3	3	7	110823	73	1035	1217	592588	705882
4	3	7	687000	74	1039	1202	16419	705882
5	3	7	502197	52	1209	1701	200619	705882
6	1	7	110795	75	0	0	595012	705882
7	1	7	270608	67	0	0	435207	705882
8	2	7	38487	96	1323	0	665880	705882
9	1	7	222454	84	0	0	483344	705882
10	3	7	291188	75	1384	1998	411087	705882
11	1	7	165778	55	0	0	540049	705882
12	2	7	196656	93	1943	0	507097	705882
13	3	7	542069	50	1986	1257	160420	705882
14	1	7	197973	85	0	0	507824	705882
15	2	7	104042	95	1152	0	600498	705882
16	1	7	517835	64	0	0	187983	705882
17	1	7	505811	59	0	0	200012	705882

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	11	869628	89	0	0	630283	1500000
2	1	11	76348	52	0	0	1423600	1500000
3	1	11	817252	71	0	0	682677	1500000
4	2	11	1180790	91	1393	0	317635	1500000
5	2	11	243270	55	1774	0	1254846	1500000
6	1	11	639359	78	0	0	860563	1500000
7	1	11	263443	81	0	0	1236476	1500000
8	1	11	1411841	61	0	0	88098	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	15	1208378	76	0	0	291546	1500000
2	3	15	1342538	58	1188	1656	154444	1500000
3	3	15	1156323	51	1556	1165	340803	1500000
4	3	15	1433051	81	1962	1369	63375	1500000
5	1	15	377693	88	0	0	1122219	1500000
6	3	15	1447330	92	1676	1211	49507	1500000
7	3	15	535037	93	1993	1259	961432	1500000
8	1	15	1156542	70	0	0	343388	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	14	878322	72	0	0	454939	1333333
2	2	14	202262	90	1687	0	1129204	1333333
3	1	14	811819	67	0	0	521447	1333333
4	1	14	226616	68	0	0	1106649	1333333
5	3	14	29925	51	1292	1706	1300257	1333333
6	1	14	753163	79	0	0	580091	1333333
7	2	14	628914	50	1250	0	703069	1333333
8	3	14	736928	82	1848	1397	592914	1333333
9	2	14	1121963	58	1043	0	210211	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	7	194717	90	1537	0	553566	750000
2	3	7	56662	96	1880	1410	689760	750000
3	1	7	651242	61	0	0	98697	750000
4	3	7	315822	91	1863	1775	430267	750000
5	3	7	186323	74	1616	1132	560707	750000
6	3	7	471413	66	1073	1081	276235	750000
7	2	7	370184	84	1227	0	378421	750000
8	1	7	727483	54	0	0	22463	750000
9	3	7	526539	80	1478	1310	220433	750000
10	1	7	237180	97	0	0	512723	750000
11	3	7	688138	86	1705	1704	58195	750000
12	3	7	252158	70	1611	1175	494846	750000
13	3	7	478563	56	1646	1789	267834	750000
14	1	7	522359	66	0	0	227575	750000
15	1	7	656257	73	0	0	93670	750000
16	1	7	410294	91	0	0	339615	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	442193	87	1979	1908	259541	705882
2	3	6	542851	73	1539	1420	159853	705882
3	2	6	323364	83	1160	0	381192	705882
4	3	6	176402	90	1666	1174	526370	705882
5	3	6	46091	72	1782	1043	656750	705882
6	2	6	47650	57	1393	0	656725	705882
7	3	6	491247	52	1680	1733	211066	705882
8	3	6	71900	61	1726	1034	631039	705882
9	3	6	450806	57	1745	1501	251659	705882
10	1	6	330448	55	0	0	375379	705882
11	2	6	412838	62	1460	0	291460	705882
12	1	6	186437	70	0	0	519375	705882
13	1	6	661245	86	0	0	44551	705882
14	1	6	252478	68	0	0	453336	705882
15	1	6	512060	91	0	0	193731	705882
16	1	6	696187	70	0	0	9625	705882
17	3	6	177410	88	1565	1348	525295	705882

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	11	426016	69	0	0	373915	800000
2	3	11	418452	86	1771	1064	378455	800000
3	1	11	367370	82	0	0	432548	800000
4	1	11	759145	51	0	0	40804	800000
5	3	11	557646	63	1839	1115	239211	800000
6	2	11	4515	92	1657	0	793644	800000
7	3	11	361849	55	1673	1530	434783	800000
8	3	11	355198	100	1291	1123	442088	800000
9	2	11	89679	98	1460	0	708665	800000
10	2	11	548816	95	1231	0	249763	800000
11	1	11	475465	76	0	0	324459	800000
12	1	11	780726	68	0	0	19206	800000
13	3	11	338494	53	1022	1059	459266	800000
14	2	11	248311	55	1202	0	550377	800000
15	1	11	593012	100	0	0	206888	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	5	631854	70	1767	0	166239	800000
2	1	5	177894	94	0	0	622012	800000
3	2	5	253764	65	1617	0	544489	800000
4	1	5	228155	97	0	0	571748	800000
5	1	5	1350	51	0	0	798599	800000
6	1	5	136980	95	0	0	662925	800000
7	3	5	792638	70	1780	1487	3885	800000
8	3	5	403209	69	1529	1578	393477	800000
9	1	5	317382	80	0	0	482538	800000
10	3	5	532676	93	1710	1694	263641	800000
11	3	5	423079	90	1399	1210	374042	800000
12	3	5	494451	72	1182	1883	302268	800000
13	2	5	193018	74	1373	0	605461	800000
14	1	5	631644	92	0	0	168264	800000
15	2	5	569855	82	1918	0	228063	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	7	714014	85	0	0	285901	1000000
2	3	7	460491	54	1889	1132	536326	1000000
3	1	7	910336	70	0	0	89594	1000000
4	2	7	153188	61	1073	0	845617	1000000
5	2	7	878579	70	1868	0	119413	1000000
6	1	7	194703	57	0	0	805240	1000000
7	1	7	330812	52	0	0	669136	1000000
8	3	7	759810	86	1369	1916	236647	1000000
9	2	7	565030	82	1353	0	433453	1000000
10	3	7	365611	85	1163	1232	631739	1000000
11	2	7	742915	71	1697	0	255246	1000000
12	3	7	827020	68	1436	1154	170186	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	9	1086600	79	1705	1540	109918	1200000
2	1	9	322586	82	0	0	877332	1200000
3	1	9	211212	65	0	0	988723	1200000
4	3	9	747952	96	1473	1829	448458	1200000
5	2	9	12251	68	1074	0	1186539	1200000
6	2	9	47824	58	1176	0	1150884	1200000
7	2	9	1138616	59	1345	0	59921	1200000
8	2	9	690200	76	1468	0	508180	1200000
9	1	9	569850	53	0	0	630097	1200000
10	2	9	744425	52	1905	0	453566	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	14	254788	69	1503	1763	741739	1000000
2	3	14	53991	56	1065	1467	943309	1000000
3	3	14	4857	52	1227	1379	992381	1000000
4	1	14	435111	54	0	0	564835	1000000
5	3	14	191265	80	1414	1954	805127	1000000
6	2	14	866256	83	1906	0	131672	1000000
7	3	14	937571	86	1565	1082	59524	1000000
8	2	14	986034	92	1970	0	11812	1000000
9	3	14	240613	74	1098	1848	756219	1000000
10	2	14	76506	56	1669	0	921713	1000000
11	1	14	348762	73	0	0	651165	1000000
12	2	14	408983	84	1545	0	589304	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	983424	65	1627	0	214819	1200000
2	1	10	1116544	78	0	0	83378	1200000
3	3	10	377312	98	1856	1728	818810	1200000
4	1	10	767470	89	0	0	432441	1200000
5	3	10	434963	69	1096	1179	762555	1200000
6	3	10	58593	64	1390	1592	1138233	1200000
7	1	10	107092	95	0	0	1092813	1200000
8	3	10	631227	95	1062	1850	565576	1200000
9	3	10	1142815	77	1167	1407	54380	1200000
10	1	10	941035	63	0	0	258902	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	74684	60	0	0	525256	600000
2	3	14	392122	58	1841	1503	204360	600000
3	3	14	427454	61	1351	1371	169641	600000
4	1	14	296227	83	0	0	303690	600000
5	2	14	445988	50	1010	0	152902	600000
6	1	14	386766	56	0	0	213178	600000
7	2	14	314139	87	1352	0	284335	600000
8	3	14	219435	84	1359	1725	377229	600000
9	1	14	451860	51	0	0	148089	600000
10	3	14	41211	87	1754	1893	554881	600000
11	2	14	4248	95	1392	0	594170	600000
12	1	14	229270	60	0	0	370670	600000
13	3	14	548983	51	1516	1860	47488	600000
14	2	14	343502	84	1828	0	254502	600000
15	2	14	264046	78	1648	0	334150	600000
16	2	14	8257	77	1259	0	590330	600000
17	2	14	564430	61	1309	0	34139	600000
18	3	14	287657	98	1080	1516	309453	600000
19	1	14	200991	67	0	0	398942	600000
20	2	14	84333	58	1151	0	514400	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	16	530937	62	1613	1024	389316	923076
2	3	16	191466	58	1368	1335	728733	923076
3	1	16	604053	69	0	0	318954	923076
4	2	16	52570	65	1829	0	868547	923076
5	1	16	835488	70	0	0	87518	923076
6	2	16	889871	69	1426	0	31641	923076
7	2	16	68146	95	1866	0	852874	923076
8	2	16	131127	67	1055	0	790760	923076
9	2	16	494420	56	1976	0	426568	923076
10	1	16	709445	95	0	0	213536	923076
11	2	16	323117	73	1616	0	598197	923076
12	2	16	111667	83	1836	0	809407	923076
13	1	16	393856	60	0	0	529160	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	11	543755	72	0	0	456173	1000000
2	1	11	933648	85	0	0	66267	1000000
3	1	11	576159	75	0	0	423766	1000000
4	2	11	512243	81	1659	0	485936	1000000
5	3	11	779125	68	1516	1203	217952	1000000
6	1	11	947397	97	0	0	52506	1000000
7	1	11	83043	85	0	0	916872	1000000
8	2	11	316893	100	1466	0	681441	1000000
9	1	11	831858	96	0	0	168046	1000000
10	3	11	545011	86	1430	1344	451957	1000000
11	3	11	933582	79	1855	1165	63161	1000000
12	2	11	670250	92	1221	0	328345	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	13	199968	83	0	0	505831	705882
2	2	13	56863	100	1170	0	647649	705882
3	2	13	337985	78	1540	0	366201	705882
4	3	13	258013	72	1917	1388	444348	705882
5	1	13	104752	77	0	0	601053	705882
6	1	13	385728	58	0	0	320096	705882
7	2	13	63641	52	1299	0	640838	705882
8	1	13	661935	75	0	0	43872	705882
9	3	13	59706	98	1691	1409	642782	705882
10	1	13	76348	69	0	0	629465	705882
11	3	13	119567	96	1233	1212	583582	705882
12	2	13	183826	68	1700	0	520220	705882
13	1	13	442087	71	0	0	263724	705882
14	3	13	313375	51	1305	1602	389447	705882
15	3	13	367881	60	1501	1939	334381	705882
16	3	13	61948	83	1448	1393	640844	705882
17	1	13	292532	75	0	0	413275	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	665127	90	1675	1782	37028	705882
2	3	19	386253	91	1055	1983	316318	705882
3	2	19	193042	88	1705	0	510959	705882
4	3	19	411367	82	1416	1694	291159	705882
5	2	19	703388	55	1373	0	1011	705882
6	1	19	578822	59	0	0	127001	705882
7	3	19	110356	76	1197	1420	592681	705882
8	3	19	289503	79	1174	1842	413126	705882
9	3	19	479626	77	1390	1747	222888	705882
10	2	19	159715	64	1136	0	544903	705882
11	2	19	111603	60	1183	0	592976	705882
12	3	19	674618	90	1536	1865	27593	705882
13	3	19	82438	57	1558	1284	620431	705882
14	3	19	122089	53	1241	1852	580541	705882
15	2	19	51690	79	1983	0	652051	705882
16	2	19	306227	81	1936	0	397557	705882
17	1	19	454012	83	0	0	251787	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	9	233524	83	1033	0	688353	923076
2	1	9	414818	82	0	0	508176	923076
3	2	9	628406	53	1058	0	293506	923076
4	1	9	162091	84	0	0	760901	923076
5	1	9	222297	86	0	0	700693	923076
6	3	9	66999	64	1380	1839	852666	923076
7	1	9	178170	82	0	0	744824	923076
8	3	9	777133	77	1330	1519	142863	923076
9	3	9	493593	65	1434	1827	426027	923076
10	2	9	162978	69	1925	0	758035	923076
11	3	9	340960	69	1566	1673	578670	923076
12	1	9	319263	92	0	0	603721	923076
13	2	9	751609	64	1566	0	169773	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	596310	61	1261	0	68973	666666
2	1	10	190573	55	0	0	476038	666666
3	2	10	597336	50	1915	0	67315	666666
4	1	10	347209	63	0	0	319394	666666
5	1	10	458255	58	0	0	208353	666666
6	3	10	211374	75	1316	1020	452731	666666
7	2	10	63866	64	1740	0	600932	666666
8	2	10	80084	83	1740	0	584676	666666
9	3	10	63665	70	1261	1223	600307	666666
10	2	10	135168	75	1365	0	529983	666666
11	2	10	434666	84	1355	0	230477	666666
12	1	10	510105	92	0	0	156469	666666
13	1	10	528737	94	0	0	137835	666666
14	3	10	196852	100	1922	1833	465759	666666
15	1	10	309057	78	0	0	357531	666666
16	3	10	406987	90	1915	1820	255674	666666
17	1	10	131952	91	0	0	534623	666666
18	1	10	257510	90	0	0	409066	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	8	313016	100	1906	0	351544	666666
2	2	8	454075	77	1174	0	211263	666666
3	1	8	279176	72	0	0	387418	666666
4	1	8	492624	81	0	0	173961	666666
5	2	8	208899	85	1896	0	455701	666666
6	1	8	600478	60	0	0	66128	666666
7	2	8	650458	77	1684	0	14370	666666
8	2	8	556644	67	1788	0	108100	666666
9	3	8	431725	72	1298	1592	231835	666666
10	1	8	319652	79	0	0	346935	666666
11	2	8	470501	71	1772	0	194251	666666
12	3	8	457532	57	1335	1747	205881	666666
13	3	8	548356	90	1623	1165	115252	666666
14	1	8	201118	54	0	0	465494	666666
15	2	8	194807	87	1779	0	469906	666666
16	1	8	639343	55	0	0	27268	666666
17	1	8	132662	82	0	0	533922	666666
18	2	8	446152	99	1765	0	218551	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	17	1014333	51	0	0	485616	1500000
2	2	17	742929	90	1825	0	755066	1500000
3	3	17	722770	59	1756	1682	773615	1500000
4	2	17	1184596	82	1041	0	314199	1500000
5	2	17	165215	52	1316	0	1333365	1500000
6	1	17	955115	94	0	0	544791	1500000
7	3	17	945543	89	1301	1589	551300	1500000
8	2	17	985020	82	1514	0	513302	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	5	353079	64	1772	1288	349551	705882
2	1	5	209942	56	0	0	495884	705882
3	1	5	399634	86	0	0	306162	705882
4	1	5	136738	97	0	0	569047	705882
5	2	5	525279	99	1876	0	178529	705882
6	2	5	259625	54	1774	0	444375	705882
7	1	5	652904	83	0	0	52895	705882
8	2	5	72012	79	1353	0	632359	705882
9	3	5	237158	69	1446	1543	465528	705882
10	2	5	669439	77	1673	0	34616	705882
11	2	5	414239	87	1361	0	290108	705882
12	3	5	140411	57	1590	1541	562169	705882
13	2	5	419670	69	1855	0	284219	705882
14	1	5	343344	58	0	0	362480	705882
15	1	5	4329	66	0	0	701487	705882
16	3	5	74310	55	1424	1697	628286	705882
17	3	5	346508	71	1191	1179	356791	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	11	48737	68	1692	1566	614467	666666
2	3	11	364519	64	1743	1493	298719	666666
3	1	11	604246	87	0	0	62333	666666
4	2	11	298957	67	1486	0	366089	666666
5	3	11	128405	72	1589	1783	534673	666666
6	3	11	185521	70	1298	1152	478485	666666
7	1	11	88671	72	0	0	577923	666666
8	2	11	279670	96	1027	0	385777	666666
9	1	11	579902	81	0	0	86683	666666
10	1	11	391938	72	0	0	274656	666666
11	3	11	2830	83	1851	1518	660218	666666
12	3	11	502802	55	1783	1606	160310	666666
13	3	11	24812	72	1340	1546	638752	666666
14	1	11	611086	59	0	0	55521	666666
15	2	11	447383	73	1592	0	217545	666666
16	3	11	91845	57	1915	1195	571540	666666
17	3	11	53412	68	1500	1980	609570	666666
18	2	11	206325	50	1029	0	459212	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	609869	80	1058	1154	137679	750000
2	1	9	695675	61	0	0	54264	750000
3	3	9	307560	66	1112	1960	439170	750000
4	1	9	66214	81	0	0	683705	750000
5	3	9	128990	78	1509	1957	617310	750000
6	3	9	358316	63	1117	1311	389067	750000
7	1	9	237813	78	0	0	512109	750000
8	1	9	6949	80	0	0	742971	750000
9	1	9	627688	63	0	0	122249	750000
10	1	9	52534	55	0	0	697411	750000
11	3	9	415845	95	1017	1362	331491	750000
12	2	9	232105	66	1089	0	516674	750000
13	2	9	60720	53	1771	0	687403	750000
14	1	9	421682	73	0	0	328245	750000
15	3	9	26602	78	1273	1534	720357	750000
16	3	9	548574	78	1979	1674	197539	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	142608	99	0	0	1057293	1200000
2	3	9	1124379	61	1035	1286	73117	1200000
3	2	9	793080	58	1507	0	405297	1200000
4	3	9	580322	67	1354	1238	616885	1200000
5	1	9	1040551	74	0	0	159375	1200000
6	2	9	197632	71	1276	0	1000950	1200000
7	2	9	78117	65	1889	0	1119864	1200000
8	2	9	389343	92	1443	0	809030	1200000
9	1	9	117060	62	0	0	1082878	1200000
10	1	9	183492	70	0	0	1016438	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	11	682584	100	1450	1033	64633	750000
2	3	11	28034	85	1254	1882	718575	750000
3	1	11	222573	97	0	0	527330	750000
4	3	11	624667	99	1016	1549	122471	750000
5	2	11	167808	65	1595	0	580467	750000
6	2	11	439281	96	1069	0	309458	750000
7	2	11	657233	75	1617	0	91000	750000
8	2	11	661767	84	1855	0	86210	750000
9	2	11	231278	94	1162	0	517372	750000
10	3	11	410739	84	1278	1863	335868	750000
11	1	11	476753	95	0	0	273152	750000
12	1	11	516729	72	0	0	233199	750000
13	2	11	532770	89	1184	0	215868	750000
14	2	11	314320	91	1323	0	434175	750000
15	2	11	466474	65	1161	0	282235	750000
16	2	11	677248	74	1140	0	71464	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	14	697185	72	0	0	502743	1200000
2	2	14	199997	87	1955	0	997874	1200000
3	3	14	423886	55	1235	1333	773381	1200000
4	2	14	444144	74	1291	0	754417	1200000
5	2	14	745996	69	1877	0	451989	1200000
6	1	14	141091	50	0	0	1058859	1200000
7	1	14	1172912	89	0	0	26999	1200000
8	3	14	1050273	84	1058	1208	147209	1200000
9	3	14	621770	77	1636	1996	574367	1200000
10	1	14	475771	57	0	0	724172	1200000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	18	227157	83	0	0	439426	666666
2	3	18	604033	68	1725	1265	59439	666666
3	1	18	272206	98	0	0	394362	666666
4	3	18	112846	65	1279	1729	550617	666666
5	3	18	294582	91	1392	1467	368952	666666
6	1	18	469320	66	0	0	197280	666666
7	1	18	92822	67	0	0	573777	666666
8	3	18	346848	51	1501	1869	316295	666666
9	3	18	374764	63	1093	1086	289534	666666
10	3	18	152900	87	1911	1100	510494	666666
11	1	18	239370	80	0	0	427216	666666
12	1	18	344395	54	0	0	322217	666666
13	2	18	405404	70	1972	0	259150	666666
14	3	18	528424	79	1120	1648	135237	666666
15	2	18	372139	98	1894	0	292437	666666
16	3	18	181082	65	1111	1190	483088	666666
17	2	18	231593	59	1567	0	433388	666666
18	3	18	186990	56	1401	1766	476341	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	9	98498	83	1979	0	990266	1090909
2	1	9	312788	65	0	0	778056	1090909
3	1	9	703791	70	0	0	387048	1090909
4	3	9	179	99	1397	1993	1087043	1090909
5	3	9	1075083	63	1539	1353	12745	1090909
6	1	9	141503	100	0	0	949306	1090909
7	3	9	900663	86	1648	1257	187083	1090909
8	2	9	274609	60	1722	0	814458	1090909
9	3	9	747746	92	1784	1236	339867	1090909
10	3	9	115159	91	1433	1884	972160	1090909
11	2	9	328558	76	1980	0	760219	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	19	227022	81	1395	0	971421	1200000
2	1	19	223059	56	0	0	976885	1200000
3	1	19	1072713	95	0	0	127192	1200000
4	2	19	360031	88	1116	0	838677	1200000
5	2	19	477722	58	1951	0	720211	1200000
6	2	19	1064077	54	1735	0	134080	1200000
7	1	19	406374	52	0	0	793574	1200000
8	1	19	206474	99	0	0	993427	1200000
9	3	19	1092873	81	1497	1574	103813	1200000
10	3	19	658543	50	1215	1809	538283	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	10	566044	99	1349	1213	288239	857142
2	2	10	114271	85	1238	0	741463	857142
3	2	10	156563	78	1663	0	698760	857142
4	2	10	784921	64	1840	0	70253	857142
5	2	10	338305	51	1547	0	517188	857142
6	1	10	603048	55	0	0	254039	857142
7	3	10	845656	67	1394	1985	7906	857142
8	3	10	746218	98	1056	1953	107621	857142
9	2	10	568651	77	1565	0	286772	857142
10	1	10	516732	85	0	0	340325	857142
11	3	10	799568	94	1711	1438	54143	857142
12	3	10	657735	91	1390	1379	196365	857142
13	2	10	486569	70	1787	0	368646	857142
14	2	10	187479	97	1284	0	668185	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	847079	88	1732	1136	649789	1500000
2	1	12	1025953	53	0	0	473994	1500000
3	2	12	207445	80	1054	0	1291341	1500000
4	3	12	231293	79	1694	1104	1265672	1500000
5	3	12	123529	84	1095	1578	1373546	1500000
6	3	12	699623	85	1980	1953	796189	1500000
7	2	12	364387	91	1070	0	1134361	1500000
8	3	12	426494	60	1436	1330	1070560	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	12	148570	66	1064	0	1050234	1200000
2	2	12	670558	60	1075	0	528247	1200000
3	2	12	600875	74	1122	0	597855	1200000
4	3	12	81750	57	1122	1611	1115346	1200000
5	1	12	1082127	66	0	0	117807	1200000
6	2	12	89878	92	1471	0	1108467	1200000
7	2	12	166174	94	1894	0	1031744	1200000
8	2	12	128666	95	1456	0	1069688	1200000
9	2	12	357526	100	1023	0	841251	1200000
10	3	12	1040650	66	1959	1807	155386	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	13	676282	66	1038	1647	243911	923076
2	3	13	581092	78	1960	1773	338017	923076
3	1	13	643935	92	0	0	279049	923076
4	3	13	595822	75	1660	1073	324296	923076
5	2	13	613220	59	1163	0	308575	923076
6	3	13	67727	60	1743	1598	851828	923076
7	2	13	642958	84	1573	0	278377	923076
8	2	13	668966	94	1309	0	252613	923076
9	2	13	896204	56	1683	0	25077	923076
10	3	13	317338	58	1076	1772	602716	923076
11	2	13	446380	67	1862	0	474700	923076
12	2	13	199533	53	1849	0	721588	923076
13	1	13	590507	80	0	0	332489	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	19	64497	88	1523	1922	1265127	1333333
2	2	19	44354	57	1693	0	1287172	1333333
3	2	19	48277	92	1729	0	1283143	1333333
4	2	19	1262229	86	1559	0	69373	1333333
5	3	19	697628	73	1108	1508	632870	1333333
6	1	19	584837	54	0	0	748442	1333333
7	3	19	48009	100	1863	1474	1281687	1333333
8	2	19	675197	97	1810	0	656132	1333333
9	2	19	465116	86	1321	0	866724	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	13	275202	94	1962	1966	387254	666666
2	2	13	36264	79	1525	0	628719	666666
3	3	13	169416	85	1139	1672	494184	666666
4	1	13	519241	50	0	0	147375	666666
5	3	13	523385	60	1440	1435	140226	666666
6	3	13	3982	50	1645	1296	659593	666666
7	3	13	184941	58	1125	1902	478524	666666
8	2	13	431795	50	1357	0	233414	666666
9	2	13	585158	75	1031	0	80327	666666
10	2	13	588385	81	1680	0	76439	666666
11	3	13	373589	99	1659	1522	289599	666666
12	2	13	39289	73	1575	0	625656	666666
13	2	13	364554	94	1812	0	300112	666666
14	1	13	253142	88	0	0	413436	666666
15	3	13	622025	71	1463	1562	41403	666666
16	3	13	409679	80	1080	1616	254051	666666
17	3	13	252658	56	1094	1201	411545	666666
18	3	13	269724	86	1994	1549	393141	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	8	973284	66	0	0	226650	1200000
2	1	8	611273	98	0	0	588629	1200000
3	1	8	1024897	77	0	0	175026	1200000
4	1	8	1032426	69	0	0	167505	1200000
5	2	8	918133	85	1748	0	279949	1200000
6	1	8	185329	84	0	0	1014587	1200000
7	2	8	1167024	69	1638	0	31200	1200000
8	1	8	468389	65	0	0	731546	1200000
9	3	8	197468	64	1142	1807	999391	1200000
10	3	8	1033909	85	1369	1846	162621	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	7	360547	95	0	0	439358	800000
2	1	7	525172	82	0	0	274746	800000
3	3	7	340985	79	1727	1452	455599	800000
4	1	7	499734	68	0	0	300198	800000
5	3	7	788978	86	1636	1031	8097	800000
6	1	7	309760	86	0	0	490154	800000
7	1	7	653049	71	0	0	146880	800000
8	2	7	789049	92	1914	0	8853	800000
9	3	7	654026	75	1649	1032	143068	800000
10	2	7	334650	50	1241	0	464009	800000
11	1	7	442198	75	0	0	357727	800000
12	1	7	128724	92	0	0	671184	800000
13	1	7	430858	76	0	0	369066	800000
14	3	7	727863	86	1364	1424	69091	800000
15	3	7	553002	65	1513	1870	243420	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	8	401709	100	0	0	455333	857142
2	2	8	555380	65	1792	0	299840	857142
3	2	8	104134	84	1316	0	751524	857142
4	2	8	264961	78	1963	0	590062	857142
5	3	8	810731	70	1200	1091	43910	857142
6	3	8	114661	61	1122	1644	739532	857142
7	1	8	257728	51	0	0	599363	857142
8	2	8	366865	77	1070	0	489053	857142
9	2	8	223648	67	1734	0	631626	857142
10	3	8	137568	88	1748	1904	715658	857142
11	1	8	701291	69	0	0	155782	857142
12	3	8	63391	95	1532	1521	790413	857142
13	3	8	249790	72	1220	1527	604389	857142
14	3	8	388826	91	1944	1017	465082	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	18	406346	99	0	0	450697	857142
2	1	18	821367	76	0	0	35699	857142
3	3	18	10761	66	1131	1500	843552	857142
4	2	18	782907	94	1354	0	72693	857142
5	2	18	818320	86	1728	0	36922	857142
6	3	18	422349	98	1112	1268	432119	857142
7	2	18	423190	89	1333	0	432441	857142
8	2	18	787705	68	1601	0	67700	857142
9	3	18	274929	79	1762	1967	578247	857142
10	1	18	497012	50	0	0	360080	857142
11	2	18	101224	65	1136	0	754652	857142
12	1	18	469466	64	0	0	387612	857142
13	1	18	201194	70	0	0	655878	857142
14	1	18	142702	92	0	0	714348	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	17	827325	100	1561	0	28056	857142
2	3	17	791290	64	1605	1652	62403	857142
3	1	17	541293	99	0	0	315750	857142
4	2	17	152624	97	1183	0	703141	857142
5	1	17	818918	59	0	0	38165	857142
6	2	17	133181	74	1126	0	722687	857142
7	3	17	733098	74	1347	1071	121404	857142
8	1	17	296401	70	0	0	560671	857142
9	2	17	252255	96	1943	0	602752	857142
10	1	17	570655	54	0	0	286433	857142
11	3	17	281709	90	1648	1335	572180	857142
12	3	17	413224	63	1476	1607	440646	857142
13	2	17	531902	99	1449	0	323593	857142
14	2	17	418277	53	1191	0	437568	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	9	622639	79	0	0	83164	705882
2	1	9	406731	58	0	0	299093	705882
3	2	9	524318	54	1151	0	180305	705882
4	1	9	555633	80	0	0	150169	705882
5	1	9	662264	93	0	0	43525	705882
6	2	9	12928	84	1674	0	691112	705882
7	1	9	564139	67	0	0	141676	705882
8	3	9	478352	75	1998	1059	224248	705882
9	1	9	221247	87	0	0	484548	705882
10	1	9	599032	70	0	0	106780	705882
11	2	9	512243	98	1330	0	192113	705882
12	3	9	234983	60	1820	1976	466923	705882
13	2	9	160531	96	1549	0	543610	705882
14	1	9	404250	55	0	0	301577	705882
15	2	9	343488	83	1631	0	360597	705882
16	3	9	579732	71	1059	1579	123299	705882
17	2	9	384442	71	1834	0	319464	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	716413	76	1235	1726	203474	923076
2	3	14	63009	67	1343	1264	857259	923076
3	2	14	596729	72	1816	0	324387	923076
4	2	14	221864	91	1407	0	699623	923076
5	2	14	62847	97	1796	0	858239	923076
6	2	14	457837	92	1539	0	463516	923076
7	3	14	882039	99	1542	1132	38066	923076
8	2	14	218421	56	1711	0	702832	923076
9	1	14	835926	90	0	0	87060	923076
10	2	14	345492	69	1226	0	576220	923076
11	3	14	271781	50	1452	1618	648075	923076
12	3	14	740454	88	1709	1359	179290	923076
13	1	14	491605	76	0	0	431395	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	6	102624	85	1425	1003	644693	750000
2	1	6	717590	65	0	0	32345	750000
3	2	6	665197	75	1670	0	82983	750000
4	2	6	20517	97	1036	0	728253	750000
5	3	6	49197	71	1351	1218	698021	750000
6	1	6	362227	65	0	0	387708	750000
7	3	6	240148	65	1352	1262	507043	750000
8	1	6	118793	81	0	0	631126	750000
9	2	6	664553	73	1027	0	84274	750000
10	1	6	208022	78	0	0	541900	750000
11	1	6	618803	100	0	0	131097	750000
12	2	6	155378	68	1247	0	593239	750000
13	2	6	696505	53	1858	0	51531	750000
14	1	6	109135	62	0	0	640803	750000
15	2	6	232727	78	1566	0	515551	750000
16	1	6	221109	98	0	0	528793	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	13	79188	51	1365	0	1252678	1333333
2	2	13	1300433	85	1905	0	30825	1333333
3	3	13	706730	52	1879	1300	623268	1333333
4	3	13	369053	57	1574	1161	961374	1333333
5	3	13	317927	75	1670	1564	1011947	1333333
6	1	13	1167648	93	0	0	165592	1333333
7	2	13	753250	78	1413	0	578514	1333333
8	3	13	895776	59	1834	1456	434090	1333333
9	2	13	856088	84	1267	0	475810	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	17	553645	69	1167	1318	110329	666666
2	2	17	24644	80	1451	0	640411	666666
3	2	17	591071	98	1599	0	73800	666666
4	2	17	494143	99	1131	0	171194	666666
5	3	17	268049	82	1604	1119	395648	666666
6	2	17	184170	62	1399	0	480973	666666
7	2	17	163378	55	1479	0	501699	666666
8	3	17	3189	86	1866	1694	659659	666666
9	2	17	446274	82	1014	0	219214	666666
10	3	17	547874	88	1247	1798	115483	666666
11	1	17	376535	63	0	0	290068	666666
12	1	17	91320	51	0	0	575295	666666
13	2	17	645563	52	1541	0	19458	666666
14	3	17	171381	56	1133	1642	492342	666666
15	1	17	468192	63	0	0	198411	666666
16	3	17	315368	99	1105	1094	348802	666666
17	2	17	522982	57	1502	0	142068	666666
18	1	17	455498	61	0	0	211107	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	19	439161	56	1876	1046	357749	800000
2	3	19	439940	55	1327	1540	357028	800000
3	2	19	74522	78	1761	0	723561	800000
4	3	19	31043	85	1663	1876	765163	800000
5	3	19	766120	59	1730	1900	30073	800000
6	2	19	503102	79	1829	0	294911	800000
7	3	19	147088	93	1093	1059	650481	800000
8	3	19	185865	68	1824	1963	610144	800000
9	2	19	303919	83	1689	0	494226	800000
10	3	19	66034	87	1894	1000	730811	800000
11	3	19	121861	93	1177	1651	675032	800000
12	3	19	647173	99	1346	1836	149348	800000
13	3	19	751781	75	1033	1744	45217	800000
14	2	19	760838	53	1076	0	37980	800000
15	1	19	700324	62	0	0	99614	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	15	354897	89	1142	1197	309163	666666
2	2	15	211204	61	1944	0	453396	666666
3	2	15	389982	85	1851	0	274663	666666
4	2	15	331505	50	1231	0	333830	666666
5	3	15	273774	50	1690	1912	389140	666666
6	1	15	93142	64	0	0	573460	666666
7	1	15	76028	50	0	0	590588	666666
8	1	15	489582	68	0	0	177016	666666
9	3	15	628270	64	1286	1133	35785	666666
10	2	15	191982	72	1388	0	473152	666666
11	3	15	479560	91	1855	1870	183108	666666
12	3	15	386077	73	1286	1979	277105	666666
13	3	15	296479	56	1859	1057	367103	666666
14	3	15	169249	82	1225	1511	494435	666666
15	2	15	496858	60	1841	0	167847	666666
16	2	15	661543	80	1024	0	3939	666666
17	1	15	95500	66	0	0	571100	666666
18	1	15	606417	69	0	0	60180	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	10	119033	61	0	0	586788	705882
2	3	10	383409	83	1568	1062	319594	705882
3	2	10	591480	60	1921	0	112361	705882
4	3	10	667854	97	1390	1096	35251	705882
5	1	10	171176	77	0	0	534629	705882
6	1	10	224496	67	0	0	481319	705882
7	3	10	589388	76	1399	1958	112909	705882
8	3	10	205179	93	1189	1592	497643	705882
9	3	10	143547	95	1777	1805	558468	705882
10	2	10	256721	77	1201	0	447806	705882
11	3	10	165444	100	1399	1968	536771	705882
12	3	10	174805	84	1306	1293	528226	705882
13	1	10	40033	60	0	0	665789	705882
14	1	10	522747	56	0	0	183079	705882
15	3	10	536148	86	1431	1019	167026	705882
16	3	10	81929	65	1117	1836	620805	705882
17	2	10	327840	58	1640	0	376286	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	695209	100	0	0	395600	1090909
2	3	19	436475	80	1690	1147	651357	1090909
3	2	19	603704	95	1566	0	485449	1090909
4	2	19	677938	91	1923	0	410866	1090909
5	2	19	990400	73	1552	0	98811	1090909
6	3	19	119883	78	1274	1592	967926	1090909
7	1	19	716037	74	0	0	374798	1090909
8	2	19	265489	92	1515	0	823721	1090909
9	2	19	832991	99	1370	0	256350	1090909
10	2	19	91360	80	1604	0	997785	1090909
11	1	19	700803	55	0	0	390051	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	16	231952	52	1416	1555	564921	800000
2	1	16	305273	70	0	0	494657	800000
3	1	16	732032	77	0	0	67891	800000
4	1	16	79843	50	0	0	720107	800000
5	1	16	220229	94	0	0	579677	800000
6	3	16	790475	93	1509	1122	6615	800000
7	3	16	627194	76	1057	1986	169535	800000
8	1	16	332725	60	0	0	467215	800000
9	1	16	40456	52	0	0	759492	800000
10	3	16	148808	61	1298	1539	648172	800000
11	1	16	399189	82	0	0	400729	800000
12	1	16	489705	85	0	0	310210	800000
13	1	16	133677	78	0	0	666245	800000
14	1	16	127795	56	0	0	672149	800000
15	1	16	413282	56	0	0	386662	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	5	440462	61	0	0	759477	1200000
2	3	5	1077852	78	1970	1371	118573	1200000
3	1	5	900834	88	0	0	299078	1200000
4	2	5	762251	75	1511	0	436088	1200000
5	2	5	571730	96	1770	0	626308	1200000
6	3	5	473763	95	1163	1275	723514	1200000
7	1	5	576030	92	0	0	623878	1200000
8	1	5	293935	73	0	0	905992	1200000
9	2	5	548238	50	1076	0	650586	1200000
10	1	5	916970	69	0	0	282961	1200000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	18	426513	90	0	0	664306	1090909
2	3	18	755440	97	1618	1836	331724	1090909
3	1	18	409940	71	0	0	680898	1090909
4	1	18	143938	54	0	0	946917	1090909
5	2	18	318506	63	1770	0	770507	1090909
6	1	18	111566	65	0	0	979278	1090909
7	2	18	247388	56	1778	0	841631	1090909
8	1	18	867195	66	0	0	223648	1090909
9	2	18	683678	84	1733	0	405330	1090909
10	2	18	30641	81	1383	0	1058723	1090909
11	2	18	776409	100	1249	0	313051	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	13	1231575	100	1077	0	267148	1500000
2	1	13	134229	85	0	0	1365686	1500000
3	3	13	1056488	65	1428	1726	440163	1500000
4	3	13	21837	70	1673	1640	1474640	1500000
5	3	13	141641	73	1285	1778	1355077	1500000
6	2	13	154441	53	1065	0	1344388	1500000
7	1	13	585018	55	0	0	914927	1500000
8	2	13	1218656	63	1134	0	280084	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	511272	95	0	0	194515	705882
2	1	5	564439	86	0	0	141357	705882
3	2	5	484954	80	1526	0	219242	705882
4	3	5	43956	59	1246	1550	658953	705882
5	1	5	57086	58	0	0	648738	705882
6	1	5	380481	69	0	0	325332	705882
7	1	5	435187	72	0	0	270623	705882
8	3	5	334557	79	1721	1829	367538	705882
9	2	5	331516	97	1140	0	373032	705882
10	2	5	409921	84	1865	0	293928	705882
11	2	5	190110	58	1566	0	514090	705882
12	3	5	466055	75	1897	1653	236052	705882
13	2	5	249243	50	1168	0	455371	705882
14	2	5	681404	100	1815	0	22463	705882
15	3	5	648952	99	1771	1206	53656	705882
16	2	5	318715	85	1048	0	385949	705882
17	2	5	620338	78	1121	0	84267	705882

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	11	667783	86	0	0	665464	1333333
2	2	11	926096	78	1970	0	405111	1333333
3	2	11	376819	70	1954	0	954420	1333333
4	3	11	1278592	71	1148	1670	51710	1333333
5	3	11	311251	92	1141	1254	1019411	1333333
6	1	11	747686	50	0	0	585597	1333333
7	2	11	1217738	71	1160	0	114293	1333333
8	3	11	267442	78	1699	1644	1062314	1333333
9	3	11	394344	70	1799	1157	935823	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	365909	56	1437	0	264120	631578
2	3	20	582573	89	1285	1555	45898	631578
3	1	20	501915	59	0	0	129604	631578
4	1	20	537416	68	0	0	94094	631578
5	2	20	627919	51	1028	0	2529	631578
6	2	20	592708	67	1097	0	37639	631578
7	2	20	285806	98	1389	0	344187	631578
8	3	20	523143	51	1673	1724	104885	631578
9	3	20	173281	68	1837	1241	455015	631578
10	2	20	176109	58	1097	0	454256	631578
11	1	20	605940	65	0	0	25573	631578
12	2	20	149940	69	1444	0	480056	631578
13	2	20	10624	98	1347	0	619411	631578
14	2	20	482772	73	1724	0	146936	631578
15	2	20	333517	82	1922	0	295975	631578
16	3	20	453219	59	1518	1925	174739	631578
17	3	20	47717	87	1971	1086	580543	631578
18	1	20	414357	75	0	0	217146	631578
19	1	20	121958	98	0	0	509522	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	13	758368	95	1175	1333	438839	1200000
2	1	13	348066	65	0	0	851869	1200000
3	1	13	742601	93	0	0	457306	1200000
4	2	13	124247	86	1212	0	1074369	1200000
5	1	13	275044	73	0	0	924883	1200000
6	2	13	85804	55	1426	0	1112660	1200000
7	3	13	467882	78	1657	1545	728682	1200000
8	1	13	481145	91	0	0	718764	1200000
9	2	13	402000	73	1753	0	796101	1200000
10	1	13	853783	68	0	0	346149	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	15	472395	54	1074	0	232305	705882
2	3	15	330076	61	1885	1945	371793	705882
3	2	15	90786	82	1668	0	613264	705882
4	1	15	574721	85	0	0	131076	705882
5	3	15	16529	83	1377	1679	686048	705882
6	1	15	247180	65	0	0	458637	705882
7	3	15	141027	67	1793	1021	561840	705882
8	1	15	701177	87	0	0	4618	705882
9	1	15	487819	89	0	0	217974	705882
10	1	15	492879	100	0	0	212903	705882
11	1	15	451791	79	0	0	254012	705882
12	2	15	505902	98	1919	0	197865	705882
13	2	15	644730	86	1646	0	59334	705882
14	1	15	84704	80	0	0	621098	705882
15	2	15	573027	81	1667	0	131026	705882
16	2	15	662927	77	1979	0	40822	705882
17	1	15	636059	85	0	0	69738	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	9	137173	93	0	0	1196067	1333333
2	1	9	26130	74	0	0	1307129	1333333
3	2	9	1219636	64	1263	0	112306	1333333
4	2	9	40351	59	1425	0	1291439	1333333
5	3	9	418836	89	1501	1098	911631	1333333
6	3	9	258907	88	1029	1027	1072106	1333333
7	2	9	301386	92	1034	0	1030729	1333333
8	1	9	745222	86	0	0	588025	1333333
9	3	9	496179	95	1532	1032	834305	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	12	954091	66	1193	0	244584	1200000
2	1	12	148652	66	0	0	1051282	1200000
3	2	12	376713	73	1894	0	821247	1200000
4	3	12	1096952	71	1574	1616	99645	1200000
5	3	12	1161890	73	1472	1001	35418	1200000
6	1	12	777845	92	0	0	422063	1200000
7	2	12	844173	86	1852	0	353803	1200000
8	1	12	605108	83	0	0	594809	1200000
9	1	12	462582	98	0	0	737320	1200000
10	1	12	394108	71	0	0	805821	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	27241	63	0	0	678578	705882
2	3	14	335154	59	1487	1826	367238	705882
3	2	14	29687	74	1828	0	674219	705882
4	3	14	79075	81	1944	1773	622847	705882
5	3	14	407651	98	1522	1066	295349	705882
6	3	14	627091	82	1348	1110	76087	705882
7	3	14	108121	76	1591	1576	594366	705882
8	2	14	340080	59	1678	0	364006	705882
9	2	14	675019	96	1375	0	29296	705882
10	2	14	601859	55	1789	0	102124	705882
11	2	14	685762	63	1303	0	18691	705882
12	2	14	412841	81	1607	0	291272	705882
13	2	14	158606	80	1587	0	545529	705882
14	2	14	222252	64	1945	0	481557	705882
15	3	14	111401	72	1621	1476	591168	705882
16	3	14	226170	96	1924	1176	476324	705882
17	3	14	234931	51	1420	1252	468126	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	12	360178	55	1005	1321	437331	800000
2	2	12	691898	59	1163	0	106821	800000
3	1	12	662926	53	0	0	137021	800000
4	1	12	568561	91	0	0	231348	800000
5	3	12	440762	50	1344	1044	356700	800000
6	2	12	201159	99	1163	0	597480	800000
7	1	12	755105	73	0	0	44822	800000
8	3	12	360928	68	1916	1837	435115	800000
9	2	12	757996	100	1077	0	40727	800000
10	3	12	702016	68	1602	1461	94717	800000
11	3	12	57180	56	1893	1484	739275	800000
12	1	12	383249	89	0	0	416662	800000
13	2	12	314899	61	1912	0	483067	800000
14	3	12	779576	56	1736	1467	17053	800000
15	1	12	7499	63	0	0	792438	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	7	265457	85	1942	0	482431	750000
2	2	7	215905	62	1459	0	532512	750000
3	3	7	579728	53	1452	1975	166686	750000
4	1	7	689436	77	0	0	60487	750000
5	1	7	454875	94	0	0	295031	750000
6	3	7	71235	80	1879	1629	675017	750000
7	2	7	80259	69	1122	0	668481	750000
8	2	7	44059	64	1540	0	704273	750000
9	3	7	681692	83	1183	1179	65697	750000
10	3	7	130503	64	1185	1234	616886	750000
11	1	7	379391	87	0	0	370522	750000
12	3	7	466347	67	1468	1752	280232	750000
13	3	7	456050	73	1939	1309	290483	750000
14	3	7	370102	72	1494	1626	376562	750000
15	1	7	611602	79	0	0	138319	750000
16	3	7	179861	100	1788	1597	566454	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	616463	97	1945	0	304474	923076
2	2	20	222657	55	1677	0	698632	923076
3	2	20	687658	99	1206	0	234014	923076
4	3	20	293301	74	1046	1788	626719	923076
5	3	20	792480	95	1445	1475	127391	923076
6	1	20	705495	87	0	0	217494	923076
7	1	20	245441	78	0	0	677557	923076
8	2	20	823601	78	1554	0	97765	923076
9	1	20	529529	95	0	0	393452	923076
10	2	20	644460	51	1581	0	276933	923076
11	2	20	780446	76	1128	0	141350	923076
12	2	20	551422	89	1031	0	370445	923076
13	3	20	439934	87	1931	1933	479017	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	1195508	96	0	0	137729	1333333
2	2	8	1273546	71	1864	0	57781	1333333
3	2	8	324500	69	1678	0	1007017	1333333
4	3	8	644635	82	1895	1707	684850	1333333
5	2	8	199559	52	1957	0	1131713	1333333
6	1	8	126049	99	0	0	1207185	1333333
7	1	8	44664	81	0	0	1288588	1333333
8	2	8	557023	65	1600	0	774580	1333333
9	2	8	725485	60	1917	0	605811	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	16	652477	93	0	0	270506	923076
2	2	16	889172	83	1752	0	31986	923076
3	3	16	211048	88	1331	1450	708983	923076
4	2	16	13986	92	1346	0	907560	923076
5	3	16	755371	67	1094	1477	164933	923076
6	2	16	400167	89	1505	0	521226	923076
7	1	16	343885	85	0	0	579106	923076
8	1	16	483995	100	0	0	438981	923076
9	2	16	652511	86	1168	0	269225	923076
10	3	16	812470	52	1762	1747	106941	923076
11	1	16	401200	99	0	0	521777	923076
12	3	16	638669	99	1749	1825	280536	923076
13	1	16	145490	99	0	0	777487	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	17	359810	84	1924	1823	836191	1200000
2	3	17	69534	86	1388	1805	1127015	1200000
3	3	17	794013	64	1623	1489	402683	1200000
4	1	17	604014	76	0	0	595910	1200000
5	1	17	327246	77	0	0	872677	1200000
6	3	17	482886	77	1478	1306	714099	1200000
7	2	17	472026	98	1501	0	726277	1200000
8	1	17	1190042	57	0	0	9901	1200000
9	1	17	91756	68	0	0	1108176	1200000
10	2	17	800954	64	1687	0	397231	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	11	1838	75	1386	0	746626	750000
2	2	11	595594	61	1228	0	153056	750000
3	3	11	71711	73	1873	1792	674405	750000
4	1	11	400054	76	0	0	349870	750000
5	1	11	346735	57	0	0	403208	750000
6	1	11	390047	100	0	0	359853	750000
7	3	11	407016	68	1011	1024	340745	750000
8	1	11	118830	86	0	0	631084	750000
9	1	11	33324	78	0	0	716598	750000
10	1	11	126150	61	0	0	623789	750000
11	2	11	475749	95	1603	0	272458	750000
12	2	11	249496	62	1115	0	499265	750000
13	2	11	386761	97	1800	0	361245	750000
14	3	11	393005	71	1716	1783	353283	750000
15	1	11	66252	89	0	0	683659	750000
16	1	11	581547	68	0	0	168385	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	5	796570	57	1917	0	292308	1090909
2	2	5	756300	89	1828	0	332603	1090909
3	2	5	56587	54	1358	0	1032856	1090909
4	1	5	483144	81	0	0	607684	1090909
5	1	5	141769	82	0	0	949058	1090909
6	3	5	371922	74	1486	1111	716168	1090909
7	1	5	707312	73	0	0	383524	1090909
8	3	5	1072923	71	1362	1797	14614	1090909
9	1	5	78962	54	0	0	1011893	1090909
10	1	5	862660	67	0	0	228182	1090909
11	1	5	490908	75	0	0	599926	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	13	245248	50	0	0	754702	1000000
2	2	13	224509	53	1486	0	773899	1000000
3	3	13	249238	72	1585	1725	747236	1000000
4	2	13	944575	79	1187	0	54080	1000000
5	1	13	480108	52	0	0	519840	1000000
6	3	13	168073	94	1189	1614	828842	1000000
7	3	13	783760	85	1391	1895	212699	1000000
8	2	13	211691	87	1839	0	786296	1000000
9	1	13	569065	93	0	0	430842	1000000
10	1	13	478799	75	0	0	521126	1000000
11	1	13	734748	86	0	0	265166	1000000
12	2	13	274971	76	1966	0	722911	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	9	122882	99	0	0	508597	631578
2	3	9	220154	67	1464	1021	408738	631578
3	1	9	134167	87	0	0	497324	631578
4	1	9	234443	96	0	0	397039	631578
5	2	9	414004	56	1758	0	215704	631578
6	3	9	94483	98	1377	1373	534051	631578
7	1	9	214757	65	0	0	416756	631578
8	3	9	425812	90	1430	1822	202244	631578
9	2	9	596188	50	1982	0	33308	631578
10	2	9	182983	85	1541	0	446884	631578
11	2	9	465520	52	1168	0	164786	631578
12	2	9	152883	81	1324	0	477209	631578
13	2	9	407666	99	1124	0	222590	631578
14	1	9	150652	53	0	0	480873	631578
15	2	9	438145	86	1089	0	192172	631578
16	3	9	270076	56	1777	1558	357999	631578
17	1	9	32020	92	0	0	599466	631578
18	3	9	132402	56	1132	1614	496262	631578
19	1	9	486687	55	0	0	144836	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	8	752135	72	1312	1303	578367	1333333
2	1	8	810426	79	0	0	522828	1333333
3	2	8	482827	88	1054	0	849276	1333333
4	3	8	681746	81	1360	1073	648911	1333333
5	3	8	823202	73	1791	1027	507094	1333333
6	1	8	562494	86	0	0	770753	1333333
7	1	8	1089583	84	0	0	243666	1333333
8	3	8	680682	97	1533	1286	649541	1333333
9	2	8	611350	83	1006	0	720811	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	14	487515	91	0	0	179060	666666
2	3	14	629101	100	1522	1275	34468	666666
3	1	14	124003	94	0	0	542569	666666
4	2	14	254737	54	1739	0	410082	666666
5	1	14	392275	54	0	0	274337	666666
6	2	14	535260	98	1259	0	129951	666666
7	2	14	624025	56	1123	0	41406	666666
8	3	14	557268	65	1415	1642	106146	666666
9	3	14	196180	71	1258	1196	467819	666666
10	3	14	256436	83	1821	1605	406555	666666
11	3	14	152101	64	1712	1519	511142	666666
12	2	14	478978	89	1720	0	185790	666666
13	3	14	90852	99	1823	1827	571867	666666
14	3	14	257806	99	1443	1153	405967	666666
15	2	14	186116	92	1877	0	478489	666666
16	1	14	132279	80	0	0	534307	666666
17	1	14	68656	87	0	0	597923	666666
18	1	14	124631	67	0	0	541968	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	641993	61	1717	0	213310	857142
2	2	16	199318	97	1638	0	655992	857142
3	3	16	154624	95	1062	1693	699478	857142
4	1	16	765220	75	0	0	91847	857142
5	2	16	620632	75	1239	0	235121	857142
6	3	16	290623	90	1650	1781	562818	857142
7	3	16	283719	96	1957	1273	569905	857142
8	3	16	227814	76	1087	1706	626307	857142
9	2	16	561391	84	1203	0	294380	857142
10	1	16	271848	50	0	0	585244	857142
11	1	16	38603	79	0	0	818460	857142
12	3	16	239604	66	1744	1038	614558	857142
13	3	16	91248	84	1893	1903	761846	857142
14	2	16	831563	76	1849	0	23578	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	16	844220	76	1550	1134	243777	1090909
2	1	16	376773	51	0	0	714085	1090909
3	3	16	530351	61	1666	1013	557696	1090909
4	2	16	662148	71	1703	0	426916	1090909
5	3	16	170876	61	1054	1235	917561	1090909
6	2	16	230903	67	1977	0	857895	1090909
7	3	16	647836	62	1604	1223	440060	1090909
8	3	16	690644	54	1451	1870	396782	1090909
9	1	16	913033	59	0	0	177817	1090909
10	1	16	829400	74	0	0	261435	1090909
11	1	16	1019382	83	0	0	71444	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	14	857725	84	1860	0	640247	1500000
2	2	14	1497033	71	1410	0	1415	1500000
3	3	14	1070605	87	1621	1135	426378	1500000
4	2	14	481953	87	1044	0	1016829	1500000
5	2	14	1431756	93	1307	0	66751	1500000
6	1	14	1390897	55	0	0	109048	1500000
7	3	14	287598	85	1647	1464	1209036	1500000
8	1	14	1149934	84	0	0	349982	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	19	339063	82	0	0	517997	857142
2	1	19	733110	86	0	0	123946	857142
3	2	19	473763	65	1193	0	382056	857142
4	1	19	263342	81	0	0	593719	857142
5	3	19	134229	96	1004	1067	720554	857142
6	1	19	781180	77	0	0	75885	857142
7	3	19	321660	64	1238	1896	532156	857142
8	2	19	615630	80	1318	0	240034	857142
9	2	19	238041	61	1229	0	617750	857142
10	1	19	562584	85	0	0	294473	857142
11	2	19	587145	56	1487	0	268398	857142
12	2	19	411006	74	1839	0	444149	857142
13	1	19	684844	93	0	0	172205	857142
14	3	19	376015	79	1131	1401	478358	857142

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	14	168630	85	0	0	581285	750000
2	3	14	415122	100	1558	1169	331851	750000
3	3	14	669468	90	1104	1210	77948	750000
4	2	14	651298	83	1839	0	96697	750000
5	3	14	573286	71	1444	1268	173789	750000
6	2	14	625763	97	1504	0	122539	750000
7	3	14	459515	77	1396	1829	287029	750000
8	1	14	510812	74	0	0	239114	750000
9	3	14	142581	62	1939	1784	603510	750000
10	3	14	222255	77	1589	1058	524867	750000
11	3	14	495472	78	1278	1331	251685	750000
12	1	14	260794	56	0	0	489150	750000
13	3	14	426260	50	1957	1560	320073	750000
14	1	14	261852	98	0	0	488050	750000
15	2	14	378880	59	1877	0	369125	750000
16	2	14	293734	56	1575	0	454579	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	18	228175	78	1376	1658	625699	857142
2	2	18	794302	72	1514	0	61182	857142
3	3	18	547746	73	1376	1300	306501	857142
4	2	18	578073	55	1655	0	277304	857142
5	1	18	464541	92	0	0	392509	857142
6	2	18	292964	79	1841	0	562179	857142
7	2	18	16767	71	1735	0	838498	857142
8	3	18	635221	64	1057	1081	219591	857142
9	2	18	560494	93	1579	0	294883	857142
10	1	18	236116	62	0	0	620964	857142
11	1	18	253573	63	0	0	603506	857142
12	1	18	159922	72	0	0	697148	857142
13	3	18	839885	81	1000	1607	14407	857142
14	1	18	349326	70	0	0	507746	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	5	211152	90	1312	0	644498	857142
2	3	5	134103	95	1449	1324	719981	857142
3	1	5	377396	69	0	0	479677	857142
4	3	5	396066	79	1261	1104	458474	857142
5	1	5	748956	56	0	0	108130	857142
6	1	5	680432	62	0	0	176648	857142
7	3	5	248407	74	1926	1576	605011	857142
8	2	5	319321	93	1205	0	536430	857142
9	1	5	687010	58	0	0	170074	857142
10	3	5	518671	85	1913	1874	334429	857142
11	3	5	454750	64	1245	1346	399609	857142
12	2	5	483939	51	1373	0	371728	857142
13	3	5	614011	83	1350	1319	240213	857142
14	1	5	808989	62	0	0	48091	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	503289	67	1354	0	828556	1333333
2	2	9	268645	82	1185	0	1063339	1333333
3	3	9	1099824	61	1663	1760	229903	1333333
4	3	9	434428	67	1809	1079	895816	1333333
5	2	9	838513	85	1971	0	492679	1333333
6	2	9	684184	83	1347	0	647636	1333333
7	1	9	423151	64	0	0	910118	1333333
8	3	9	628417	59	1579	1188	701972	1333333
9	1	9	651005	56	0	0	682272	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	13	78239	97	1003	0	1253897	1333333
2	3	13	360292	83	1214	1612	969966	1333333
3	2	13	1287447	96	1873	0	43821	1333333
4	2	13	858434	81	1538	0	473199	1333333
5	3	13	482279	81	1745	1041	848025	1333333
6	1	13	192212	74	0	0	1141047	1333333
7	1	13	961738	78	0	0	371517	1333333
8	2	13	615898	63	1494	0	715815	1333333
9	1	13	589429	99	0	0	743805	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	11	1054920	54	1872	0	34009	1090909
2	3	11	893539	92	1303	1258	194533	1090909
3	2	11	657325	76	1732	0	431700	1090909
4	3	11	768972	99	1099	1152	319389	1090909
5	3	11	873244	76	1075	1130	215232	1090909
6	1	11	72902	84	0	0	1017923	1090909
7	1	11	203606	88	0	0	887215	1090909
8	1	11	1014044	87	0	0	76778	1090909
9	3	11	1055795	64	1002	1755	32165	1090909
10	2	11	82955	62	1638	0	1006192	1090909
11	3	11	220359	53	1094	1806	867491	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	5	904948	79	0	0	294973	1200000
2	2	5	396858	88	1771	0	801195	1200000
3	1	5	326695	69	0	0	873236	1200000
4	1	5	308981	85	0	0	890934	1200000
5	1	5	196328	82	0	0	1003590	1200000
6	2	5	26797	80	1107	0	1171936	1200000
7	3	5	892300	57	1985	1925	303619	1200000
8	3	5	616789	92	1161	1425	580349	1200000
9	2	5	609118	88	1472	0	589234	1200000
10	3	5	135179	80	1901	1822	1060858	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	15	1492882	84	0	0	7034	1500000
2	3	15	492878	53	1366	1959	1003638	1500000
3	3	15	286153	97	1683	1340	1210533	1500000
4	2	15	516653	84	1235	0	981944	1500000
5	3	15	774613	54	1421	1051	722753	1500000
6	1	15	903359	87	0	0	596554	1500000
7	1	15	396528	89	0	0	1103383	1500000
8	3	15	121877	59	1748	1917	1374281	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	12	608827	54	1494	1037	55146	666666
2	1	12	231610	69	0	0	434987	666666
3	2	12	369861	50	1943	0	294762	666666
4	1	12	486114	61	0	0	180491	666666
5	2	12	213213	57	1590	0	451749	666666
6	1	12	301121	96	0	0	365449	666666
7	2	12	393642	79	1197	0	271669	666666
8	2	12	463265	55	1435	0	201856	666666
9	2	12	534832	85	1073	0	130591	666666
10	3	12	152549	66	1175	1805	510939	666666
11	1	12	24310	77	0	0	642279	666666
12	2	12	116179	67	1077	0	549276	666666
13	1	12	491754	79	0	0	174833	666666
14	3	12	252927	86	1149	1241	411091	666666
15	1	12	354839	56	0	0	311771	666666
16	1	12	501990	52	0	0	164624	666666
17	3	12	40006	58	1991	1830	622665	666666
18	1	12	101809	78	0	0	564779	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	11	505408	83	1796	0	992630	1500000
2	2	11	1131670	54	1768	0	366454	1500000
3	2	11	18002	79	1108	0	1480732	1500000
4	3	11	1270599	100	1051	1586	226464	1500000
5	1	11	137950	60	0	0	1361990	1500000
6	2	11	1416335	62	1684	0	81857	1500000
7	1	11	1039702	57	0	0	460241	1500000
8	2	11	23613	94	1415	0	1474784	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	6	200552	74	1112	1834	427858	631578
2	1	6	463455	56	0	0	168067	631578
3	2	6	279409	72	1458	0	350567	631578
4	3	6	327461	66	1402	1771	300746	631578
5	1	6	44818	75	0	0	586685	631578
6	1	6	22754	71	0	0	608753	631578
7	2	6	81724	79	1458	0	548238	631578
8	3	6	427473	81	1402	1421	201039	631578
9	2	6	70972	55	1515	0	558981	631578
10	1	6	40358	71	0	0	591149	631578
11	1	6	391977	92	0	0	239509	631578
12	3	6	480096	78	1404	1983	147861	631578
13	3	6	91120	95	1813	1098	537262	631578
14	1	6	317358	57	0	0	314163	631578
15	3	6	315630	71	1908	1738	312089	631578
16	2	6	538160	88	1128	0	92114	631578
17	3	6	180912	66	1425	1842	447201	631578
18	3	6	444429	76	1575	1406	183940	631578
19	2	6	1150	90	1779	0	628469	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	843397	62	1775	0	654704	1500000
2	2	6	1280677	63	1134	0	218063	1500000
3	2	6	581135	96	1147	0	917526	1500000
4	1	6	427306	82	0	0	1072612	1500000
5	2	6	1070850	88	1095	0	427879	1500000
6	1	6	1009402	98	0	0	490500	1500000
7	2	6	1183510	73	1911	0	314433	1500000
8	2	6	971019	86	1186	0	527623	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	17	407126	65	1749	1639	512367	923076
2	3	17	304894	83	1361	1705	614867	923076
3	2	17	564452	52	1060	0	357460	923076
4	1	17	176365	79	0	0	746632	923076
5	3	17	185643	54	1121	1501	734649	923076
6	1	17	899353	100	0	0	23623	923076
7	2	17	371175	65	1340	0	550431	923076
8	2	17	621068	65	1119	0	300759	923076
9	3	17	191205	78	1608	1358	728671	923076
10	1	17	105360	50	0	0	817666	923076
11	1	17	522235	84	0	0	400757	923076
12	3	17	221964	61	1628	1138	698163	923076
13	2	17	62134	83	1228	0	859548	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	7	32182	54	0	0	717764	750000
2	2	7	139235	70	1472	0	609153	750000
3	2	7	13849	53	1182	0	734863	750000
4	3	7	127414	84	1586	1776	618972	750000
5	3	7	111409	58	1796	1990	634631	750000
6	1	7	222250	94	0	0	527656	750000
7	1	7	585960	75	0	0	163965	750000
8	3	7	333376	50	1331	1683	413460	750000
9	3	7	279859	94	1953	1661	466245	750000
10	2	7	325165	60	1858	0	422857	750000
11	2	7	94000	53	1488	0	654406	750000
12	1	7	176263	68	0	0	573669	750000
13	1	7	668550	80	0	0	81370	750000
14	2	7	152674	79	1834	0	595334	750000
15	3	7	306590	67	1903	1594	439712	750000
16	1	7	611667	61	0	0	138272	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	19	1032572	83	1413	1861	463905	1500000
2	3	19	246920	99	1757	1947	1249079	1500000
3	2	19	811483	53	1039	0	687372	1500000
4	2	19	796164	50	1989	0	701747	1500000
5	3	19	243070	98	1078	1305	1254253	1500000
6	2	19	864481	59	1713	0	633688	1500000
7	2	19	1459271	51	1971	0	38656	1500000
8	3	19	970080	76	1160	1379	527153	1500000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	6	126210	60	0	0	1073730	1200000
2	1	6	1026338	93	0	0	173569	1200000
3	2	6	655950	89	1162	0	542710	1200000
4	2	6	706370	79	1234	0	492238	1200000
5	3	6	712598	51	1069	1438	484742	1200000
6	2	6	178785	92	1662	0	1019369	1200000
7	1	6	895868	92	0	0	304040	1200000
8	1	6	683333	67	0	0	516600	1200000
9	3	6	843084	77	1707	1697	353281	1200000
10	1	6	737828	81	0	0	462091	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	549290	56	1026	1777	447739	1000000
2	2	15	705798	60	1199	0	292883	1000000
3	1	15	39735	98	0	0	960167	1000000
4	2	15	556329	54	1588	0	441975	1000000
5	1	15	954113	56	0	0	45831	1000000
6	3	15	698417	69	1974	1763	297639	1000000
7	3	15	621155	87	1873	1176	375535	1000000
8	1	15	18534	78	0	0	981388	1000000
9	1	15	751995	67	0	0	247938	1000000
10	2	15	689357	73	1241	0	309256	1000000
11	1	15	749700	94	0	0	250206	1000000
12	3	15	41867	81	1668	1786	954436	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	12	465201	99	0	0	134700	600000
2	2	12	142503	71	1439	0	455916	600000
3	2	12	352139	65	1700	0	246031	600000
4	2	12	43855	64	1134	0	554883	600000
5	1	12	594018	91	0	0	5891	600000
6	1	12	502881	78	0	0	97041	600000
7	3	12	212198	76	1093	1442	385039	600000
8	1	12	46510	81	0	0	553409	600000
9	2	12	212767	80	1272	0	385801	600000
10	3	12	118546	55	1466	1914	477909	600000
11	2	12	467019	88	1122	0	131683	600000
12	3	12	126384	84	1313	1983	470068	600000
13	1	12	4389	79	0	0	595532	600000
14	1	12	207857	60	0	0	392083	600000
15	2	12	400141	99	1101	0	198560	600000
16	1	12	280971	90	0	0	318939	600000
17	1	12	390003	95	0	0	209902	600000
18	1	12	453769	82	0	0	146149	600000
19	3	12	180436	85	1614	1445	416250	600000
20	2	12	414320	90	1256	0	184244	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	353646	73	1226	0	276560	631578
2	2	13	132532	76	1977	0	496917	631578
3	1	13	356537	54	0	0	274987	631578
4	1	13	159849	98	0	0	471631	631578
5	1	13	569455	76	0	0	62047	631578
6	1	13	259131	84	0	0	372363	631578
7	2	13	75847	99	1110	0	554423	631578
8	2	13	457885	100	1083	0	172410	631578
9	2	13	105194	50	1194	0	525090	631578
10	2	13	227997	96	1121	0	402268	631578
11	1	13	473014	85	0	0	158479	631578
12	1	13	240815	54	0	0	390709	631578
13	1	13	351498	84	0	0	279996	631578
14	3	13	228542	57	1044	1554	400267	631578
15	1	13	362706	89	0	0	268783	631578
16	2	13	36612	71	1531	0	593293	631578
17	2	13	94203	67	1671	0	535570	631578
18	2	13	534078	64	1273	0	96099	631578
19	2	13	384059	99	1025	0	246296	631578

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	8	488297	73	0	0	143208	631578
2	2	8	355381	51	1291	0	274804	631578
3	1	8	97586	85	0	0	533907	631578
4	1	8	357737	89	0	0	273752	631578
5	3	8	206240	51	1948	1505	421732	631578
6	3	8	315334	75	1386	1064	313569	631578
7	3	8	8781	53	1878	1675	619085	631578
8	1	8	266078	87	0	0	365413	631578
9	1	8	449292	66	0	0	182220	631578
10	2	8	625356	57	1146	0	4962	631578
11	1	8	456406	79	0	0	175093	631578
12	2	8	89950	96	1713	0	539723	631578
13	3	8	474131	63	1172	1968	154118	631578
14	3	8	14141	57	1827	1542	613897	631578
15	2	8	579507	64	1667	0	50276	631578
16	2	8	358983	74	1167	0	271280	631578
17	2	8	582670	78	1075	0	47677	631578
18	2	8	63141	67	1374	0	566929	631578
19	3	8	94646	52	1835	1631	533310	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	284941	74	1967	0	712944	1000000
2	2	10	237055	73	1586	0	761213	1000000
3	3	10	890610	66	1335	1911	105946	1000000
4	1	10	787961	92	0	0	211947	1000000
5	2	10	535293	89	1241	0	463288	1000000
6	2	10	870670	51	1022	0	128206	1000000
7	1	10	253445	64	0	0	746491	1000000
8	3	10	826934	54	1108	1783	170013	1000000
9	3	10	722819	90	1486	1863	273562	1000000
10	2	10	667998	86	1639	0	330191	1000000
11	2	10	827250	74	1583	0	171019	1000000
12	1	10	827664	90	0	0	172246	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	5	722976	94	1082	1157	197579	923076
2	1	5	820606	59	0	0	102411	923076
3	2	5	748767	64	1378	0	172803	923076
4	3	5	694676	66	1383	1510	225309	923076
5	3	5	291585	94	1391	1927	627891	923076
6	2	5	895281	91	1247	0	26366	923076
7	1	5	787245	92	0	0	135739	923076
8	2	5	331893	78	1113	0	589914	923076
9	1	5	182650	96	0	0	740330	923076
10	2	5	800650	93	1465	0	120775	923076
11	1	5	192075	52	0	0	730949	923076
12	1	5	638849	95	0	0	284132	923076
13	1	5	624521	84	0	0	298471	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	8	529028	59	1960	0	174776	705882
2	1	8	355175	51	0	0	350656	705882
3	3	8	600696	58	1193	1390	102429	705882
4	1	8	300504	98	0	0	405280	705882
5	2	8	597714	94	1542	0	106438	705882
6	3	8	612681	67	1431	1006	90563	705882
7	2	8	217606	64	1503	0	486645	705882
8	1	8	365065	69	0	0	340748	705882
9	3	8	586185	63	1365	1782	116361	705882
10	2	8	268019	92	1701	0	435978	705882
11	2	8	244413	67	1993	0	459342	705882
12	1	8	577297	97	0	0	128488	705882
13	2	8	446613	92	1029	0	258056	705882
14	1	8	49174	95	0	0	656613	705882
15	3	8	456719	79	1918	1617	245391	705882
16	2	8	10807	75	1761	0	693164	705882
17	1	8	276549	75	0	0	429258	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	12	108826	65	1347	1266	979275	1090909
2	3	12	1021742	62	1207	1148	66626	1090909
3	3	12	897271	89	1027	1043	191301	1090909
4	3	12	733163	67	1644	1844	354057	1090909
5	1	12	118895	80	0	0	971934	1090909
6	2	12	664763	93	1204	0	424756	1090909
7	1	12	245870	54	0	0	844985	1090909
8	2	12	158678	55	1365	0	930756	1090909
9	1	12	85202	81	0	0	1005626	1090909
10	2	12	917848	86	1704	0	171185	1090909
11	2	12	141864	69	1942	0	946965	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	7	206392	80	1353	1945	421648	631578
2	2	7	512128	84	1651	0	117631	631578
3	3	7	401842	75	1631	1499	226381	631578
4	1	7	126465	50	0	0	505063	631578
5	2	7	412291	64	1012	0	218147	631578
6	3	7	303571	70	1966	1328	324503	631578
7	1	7	342114	59	0	0	289405	631578
8	3	7	30069	84	1924	1750	597583	631578
9	1	7	563492	76	0	0	68010	631578
10	3	7	359206	65	1326	1582	269269	631578
11	1	7	267299	88	0	0	364191	631578
12	1	7	629556	67	0	0	1955	631578
13	2	7	168350	59	1710	0	461400	631578
14	1	7	471462	76	0	0	160040	631578
15	3	7	211145	80	1971	1179	417043	631578
16	1	7	621623	68	0	0	9887	631578
17	3	7	579389	89	1357	1070	49495	631578
18	3	7	142391	66	1439	1211	486339	631578
19	2	7	406198	66	1929	0	223319	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	309833	78	1367	0	394526	705882
2	2	10	48561	94	1415	0	655718	705882
3	2	10	213472	68	1639	0	490635	705882
4	1	10	201669	66	0	0	504147	705882
5	3	10	2448	54	1106	1281	700885	705882
6	2	10	575042	62	1178	0	129538	705882
7	2	10	142905	75	1279	0	561548	705882
8	3	10	316726	85	1408	1481	386012	705882
9	1	10	476986	69	0	0	228827	705882
10	1	10	557387	84	0	0	148411	705882
11	2	10	498093	50	1326	0	206363	705882
12	1	10	448564	73	0	0	257245	705882
13	3	10	7644	90	1140	1704	695124	705882
14	2	10	16758	52	1079	0	687941	705882
15	2	10	490057	71	1919	0	213764	705882
16	2	10	41226	53	1721	0	662829	705882
17	3	10	564755	99	1548	1390	137892	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	16	676029	53	1435	0	822430	1500000
2	3	16	245856	65	1375	1950	1250624	1500000
3	2	16	140134	84	1276	0	1358422	1500000
4	2	16	1108311	64	1157	0	390404	1500000
5	2	16	888201	79	1212	0	610429	1500000
6	1	16	221960	78	0	0	1277962	1500000
7	2	16	7205	75	1231	0	1491414	1500000
8	2	16	1202278	74	1231	0	296343	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	654268	94	1114	0	267506	923076
2	3	14	100031	62	1417	1851	819591	923076
3	2	14	398906	61	1870	0	522178	923076
4	3	14	143032	58	1802	1098	776970	923076
5	2	14	158926	63	1761	0	762263	923076
6	1	14	363748	68	0	0	559260	923076
7	2	14	666627	57	1617	0	254718	923076
8	1	14	234886	75	0	0	688115	923076
9	1	14	255785	54	0	0	667237	923076
10	3	14	340406	93	1260	1362	579769	923076
11	1	14	310897	59	0	0	612120	923076
12	3	14	90670	71	1471	1843	828879	923076
13	3	14	597017	60	1060	1400	323419	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	1086995	84	0	0	246254	1333333
2	2	8	1208228	89	1121	0	123806	1333333
3	2	8	574394	91	1653	0	757104	1333333
4	1	8	907519	66	0	0	425748	1333333
5	3	8	709279	62	1357	1201	621310	1333333
6	1	8	889435	51	0	0	443847	1333333
7	1	8	980793	75	0	0	352465	1333333
8	1	8	682795	56	0	0	650482	1333333
9	2	8	466782	76	1366	0	865033	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	6	524007	66	1388	0	74473	600000
2	2	6	327158	60	1225	0	271497	600000
3	1	6	266750	76	0	0	333174	600000
4	1	6	418288	80	0	0	181632	600000
5	3	6	61121	71	1456	1531	535679	600000
6	3	6	113055	59	1477	1111	484180	600000
7	2	6	238632	75	1285	0	359933	600000
8	2	6	445282	91	1591	0	152945	600000
9	3	6	207575	62	1696	1618	388925	600000
10	2	6	480755	62	1781	0	117340	600000
11	3	6	439320	58	1542	1641	157323	600000
12	1	6	76174	72	0	0	523754	600000
13	1	6	36200	60	0	0	563740	600000
14	3	6	464947	61	1358	1045	132467	600000
15	3	6	499297	74	1028	1611	97842	600000
16	3	6	197696	73	1575	1814	398696	600000
17	3	6	256985	69	1804	1339	339665	600000
18	2	6	310133	84	1532	0	288167	600000
19	2	6	334654	86	1038	0	264136	600000
20	3	6	242279	56	1011	1193	355349	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	9	233974	82	1177	0	764685	1000000
2	1	9	544225	86	0	0	455689	1000000
3	1	9	636623	84	0	0	363293	1000000
4	2	9	122351	61	1416	0	876111	1000000
5	2	9	10953	99	1434	0	987415	1000000
6	2	9	606576	91	1860	0	391382	1000000
7	3	9	310355	88	1857	1874	685650	1000000
8	2	9	256671	92	1990	0	741155	1000000
9	1	9	278932	65	0	0	721003	1000000
10	2	9	304307	55	1277	0	694306	1000000
11	2	9	942546	97	1928	0	55332	1000000
12	2	9	568433	92	1091	0	430292	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	9	1293249	61	1811	1446	36644	1333333
2	2	9	130384	71	1854	0	1200953	1333333
3	3	9	726753	51	1131	1489	603807	1333333
4	3	9	1151707	89	1263	1926	178170	1333333
5	3	9	560351	63	1469	1329	769995	1333333
6	1	9	258385	94	0	0	1074854	1333333
7	1	9	386273	74	0	0	946986	1333333
8	3	9	98592	89	1333	1936	1231205	1333333
9	1	9	1091361	93	0	0	241879	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	14	1166083	92	0	0	33825	1200000
2	2	14	771026	94	1188	0	427598	1200000
3	1	14	1181730	50	0	0	18220	1200000
4	3	14	263154	74	1902	1646	933076	1200000
5	3	14	897190	100	1450	1328	299732	1200000
6	3	14	88133	54	1536	1651	1108518	1200000
7	2	14	425344	97	1273	0	773189	1200000
8	3	14	1093347	76	1938	1409	103078	1200000
9	3	14	1197628	87	1497	1375	-761	1200000
10	1	14	1128758	96	0	0	71146	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	15	334641	95	1598	0	1163571	1500000
2	3	15	434519	95	1984	1216	1061996	1500000
3	3	15	263870	69	1393	1180	1233350	1500000
4	1	15	973069	87	0	0	526844	1500000
5	1	15	817388	64	0	0	682548	1500000
6	1	15	1391893	71	0	0	108036	1500000
7	3	15	1197754	92	1378	1072	299520	1500000
8	1	15	1378771	70	0	0	121159	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	20	876703	61	1717	0	321458	1200000
2	2	20	305097	82	1487	0	893252	1200000
3	1	20	344944	71	0	0	854985	1200000
4	3	20	530228	53	1297	1906	666410	1200000
5	1	20	433627	96	0	0	766277	1200000
6	2	20	119218	95	1831	0	1078761	1200000
7	3	20	1007150	96	1123	1950	189489	1200000
8	1	20	301075	71	0	0	898854	1200000
9	1	20	213004	57	0	0	986939	1200000
10	3	20	1014601	100	1375	1678	182046	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	17	719785	78	1403	1356	134364	857142
2	3	17	771802	55	1388	1282	82505	857142
3	2	17	556141	65	1446	0	299425	857142
4	1	17	257142	83	0	0	599917	857142
5	3	17	181108	87	1999	1374	672400	857142
6	3	17	560855	84	1259	1399	293377	857142
7	1	17	792023	79	0	0	65040	857142
8	1	17	452612	77	0	0	404453	857142
9	1	17	407652	98	0	0	449392	857142
10	1	17	572186	95	0	0	284861	857142
11	2	17	620012	59	1405	0	235607	857142
12	2	17	840649	93	1825	0	14482	857142
13	2	17	110446	82	1067	0	745465	857142
14	3	17	140611	69	1247	1279	713798	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	8	571920	97	0	0	518892	1090909
2	1	8	55517	66	0	0	1035326	1090909
3	1	8	707301	53	0	0	383555	1090909
4	3	8	99694	87	1737	1458	987759	1090909
5	1	8	667694	89	0	0	423126	1090909
6	3	8	724545	50	1082	1838	363294	1090909
7	2	8	64479	91	1616	0	1024632	1090909
8	2	8	961415	59	1914	0	127462	1090909
9	3	8	67015	55	1799	1016	1020914	1090909
10	3	8	769813	87	1315	1537	317983	1090909
11	1	8	507754	74	0	0	583081	1090909

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