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Report No.: 1501RSU00603 Report Version: Issue Date: 03-21-2015

DFS MEASUREMENT REPORT

FCC PART 15.407

FCC ID: 2ABLK-844E-1

Calix Inc. APPLICANT:

Application Type: Certification

Product: WiFi Concurrent 4 Port GE LAN VoIP Ethernet Gateway

with USB

Model No.: 844E-1

Brand Name: Calix

FCC Classification: Unlicensed National Information Infrastructure (UNII)

FCC Rule Part(s): Part 15.407

KDB 905462 D02v01r01, KDB 905462 D04v01

Type of Device: Master Device

Client Device (No radar detection)

Client Device with radar detection

Jan 16~ Feb. 21, 2015 Test Date:

Reviewed By : Robin Wu (Robin Wu)

Approved By

(Marlin Chen)





The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in KDB 905462 D02v01r01. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

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Revision History

Report No.	Version	Description	Issue Date
1501RSU00603	Rev. 01	Initial report	03-21-2015

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§2.1033 General Information

Applicant:	Calix Inc.		
Applicant Address:	1035 N. McDowell Blvd Petaluma, CA94954 U.S.A		
Manufacturer: Wuxi Mitrastar Technology Co.,Ltd			
Manufacturer Address: 60#-E, Minshan Road, New District Wuxi			
Test Site:	MRT Technology (Suzhou) Co., Ltd		
Test Site Address:	D8 Building, Youxin Industrial Park, No.2 Tian'edang Rd., Wuzhong		
	Economic Development Zone, Suzhou, China		
MRT FCC Registration No.: 809388			
Model No.:	844E-1		
FCC ID:	2ABLK-844E-1		
Test Device Serial No.:	N/A ☐ Production ☐ Pre-Production ☐ Engineering		
FCC Classification:	Unlicensed National Information Infrastructure (UNII)		

Test Facility / Accreditations

Measurements were performed at MRT Laboratory located in Tian'edang Rd., Suzhou, China.

- MRT facility is a FCC registered (MRT Reg. No. 809388) test facility with the site description report on file and has met all the requirements specified in Section 2.948 of the FCC Rules.
- MRT facility is an IC registered (MRT Reg. No. 11384A-1) test laboratory with the site description on file at Industry Canada.
- MRT facility is a VCCI registered (R-4179, G-814, C-4664, T-2206) test laboratory with the site description on file at VCCI Council.
- MRT Lab is accredited to ISO 17025 by the American Association for Laboratory Accreditation (A2LA) under the American Association for Laboratory Accreditation Program (A2LA Cert. No. 3628.01) in EMC, Telecommunications and Radio testing for FCC, Industry Canada, EU and TELEC Rules.



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1. INTRODUCTION

1.1. Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Industry Canada Certification and Engineering Bureau.

1.2. MRT Test Location

The map below shows the location of the MRT LABORATORY, its proximity to the Taihu Lake. These measurement tests were conducted at the MRT Technology (Suzhou) Co., Ltd. Facility located at D8 Building, Youxin Industrial Park, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China. The detailed description of the measurement facility was found to be in compliance with the requirements of § 2.948 according to ANSI C63.4-2009 on September 30, 2013.



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2. PRODUCT INFORMATION

2.1. Equipment Description

Product Name	WiFi Concurrent 4 Port GE LAN VoIP Ethernet Gateway with USB
Model No.	844E-1
Radio Type	Intentional Transceiver
Operation Mode	Master Device
Frequency Range	For 802.11a/n-HT20:
	5260~5320MHz, 5500~5700MHz
	For 802.11ac-VHT20:
	5260~5320MHz, 5500~5720MHz
	For 802.11n-HT40:
	5270~5310MHz, 5510~5670MHz
	For 802.11ac-VHT40:
	5270~5310MHz, 5510~5710MHz
	For 802.11ac-VHT80:
	5290MHz, 5530MHz, 5610MHz, 5690MHz
Maximum Output Power	802.11a: 21.12dBm
	802.11n-HT20: 21.24dBm
	802.11ac-VHT20: 21.23dBm
	802.11n-HT40: 21.16dBm
	802.11ac-VHT40: 21.27dBm
	802.11ac-VHT80: 21.04dBm
Type of Modulation	802.11a/n/ac: OFDM;
Power-on cycle	Requires 180.9 seconds to complete its power-on cycle.
Uniform Spreading	For the 5250-5350MHz, 5470-5725 MHz bands, the Master device
	provides, on aggregate, uniform loading of the spectrum across all
	devices by selecting an operating channel among the available
	channels using a random algorithm.

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2.2. Description of Available Antennas

Antenna	Frequency	T _X Paths	Paths Directional Gain (dBi)					
Туре	Band (GHz)		Non Beam Forming	Beam Forming	CDD			
	2.4	2	1.90					
	5.2	4	2.17	8.04	8.04			
PCB Antenna	5.3	4	2.03	7.78	7.78			
Antonia	5.6	4	2.55	8.38	8.38			
	5.8	4	2.70	8.70	8.70			

Note:

- 1. Transmit at 2.4GHz support two antennas, and support four antennas at 5GHz transmit.
- 2. The EUT working on Beam Forming mode, and the Beam Forming support 802.11n/ac, not include 802.11a, and 802.11a working on CDD mode.
- 3. Correlated signals include, but are not limited to, signals transmitted in any of the following modes:
 - Any transmit Beam Forming mode, whether fixed or adaptive (e.g., phased array modes, closed loop MIMO modes, Transmitter Adaptive Antenna modes, Maximum Ratio Transmission (MRT) modes, and Statistical Eigen Beam Forming (EBF) modes).
- 4. Unequal antenna gains, with equal transmit powers. For antenna gains given by $G_1,\,G_2,\,...,\,G_N$ dBi
 - transmit signals are correlated, then
 - Directional gain = 10 log[(10^{G1/20} + 10^{G2/20} + ... + 10^{GN/20})²/N_{ANT}] dBi [Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]

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2.1. Description of Antenna RF Port

2.1. Description of Antenna RF Port									
RF Port									
Test Mode Software Control Port									
2.4GHz T _X	Ant 0 Ant 1								
Test Mode	Test Mode Software Control Port								
5GHz T _X	Ant 0	Ant 1	Ant 2	Ant 3					
ZARONIX Anto Solitz Anto Solitz Anto									

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2.2. DFS Band Carrier Frequencies Operation

802.11a/n Center Working Frequency of Each Channel

Channel	Frequency	Channel	Frequency	Channel	Frequency
52	5260 MHz	56	5280 MHz	60	5300 MHz
64	5320 MHz	100	5500 MHz	104	5520 MHz
108	5540 MHz	112	5560 MHz	116	5580 MHz
120	5600 MHz	124	5620 MHz	128	5640 MHz
132	5660 MHz	136	5680 MHz	140	5700 MHz

802.11ac-VHT20 Center Working Frequency of Each Channel

Channel	Frequency	Channel	Frequency	Channel	Frequency
52	5260 MHz	56	5280 MHz	60	5300 MHz
64	5320 MHz	100	5500 MHz	104	5520 MHz
108	5540 MHz	112	5560 MHz	116	5580 MHz
120	5600 MHz	124	5620 MHz	128	5640 MHz
132	5660 MHz	136	5680 MHz	140	5700 MHz
144	5720 MHz	N/A	N/A	N/A	N/A

802.11n-HT40 Center Working Frequency of Each Channel

Channel	Frequency	Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz	102	5510 MHz
110	5550 MHz	118	5590 MHz	126	5630 MHz
134	5670 MHz	N/A	N/A	N/A	N/A

802.11ac-VHT40 Center Working Frequency of Each Channel

Channel	Frequency	Channel	Frequency	Channel	Frequency
54	5270 MHz	62	5310 MHz	102	5510 MHz
110	5550 MHz	118	5590 MHz	126	5630 MHz
134	5670 MHz	142	5710MHz	N/A	N/A

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802.11ac-VHT80 Center Working Frequency of Each Channel

Channel	Frequency	Channel	Frequency	Channel	Frequency
58	5290 MHz	106	5530 MHz	122	5610 MHz
138	5690 MHz	N/A	N/A	N/A	N/A

2.3. Test Mode

Test Mode	Mode 1: Communication with Notebook

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3. DFS DETECTION THRESHOLDS AND RADAR TEST WAVEFORMS

3.1. Applicability

The following table e from FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v01r01 lists the applicable requirements for the DFS testing.

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

Table 3-1: Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode		
	Master Device or Client With Radar Detection	Client Without Radar Detection	
DFS Detection Threshold	Yes	Not required	
Channel Closing Transmission Time	Yes	Yes	
Channel Move Time	Yes	Yes	
U-NII Detection Bandwidth	Yes	Not required	

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

Table 3-2: Applicability of DFS Requirements during normal operation

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3.2. DFS Devices Requirements

Per FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v01r01 the following are the requirements for 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 ~ 5825 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.

Channel Move Time and Channel Closing Transmission Time requirements are listed in the following table.

Parameter	Value		
Non-occupancy period	Minimum 30 minutes		
Channel Availability Check Time	60 seconds		
Channel Maye Time	10 seconds		
Channel Move Time	See Note 1.		
	200 milliseconds + an aggregate of 60		
Channel Closing Transmission Time	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 wi			

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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.

Table 3-3: DFS Response Requirements

3.3. DFS Detection Threshold Values

The DFS detection thresholds are defined for Master devices and Client Devices with In-service monitoring. These detection thresholds are listed in the following table.

Maximum Transmit Power	Value
	(See Notes 1, 2, and 3)
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and	-62 dBm
power spectral density < 10 dBm/MHz	
EIRP < 200 milliwatt that do not meet the power spectral density	-64 dBm
requirement	

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

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

Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

Table 3-4: Detection Thresholds for Master Devices and Client Devices with Radar Detection

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3.4. Parameters of DFS Test Signals

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.

Short Pulse Radar Test Waveforms

Short Fulse Radar Test Wavelorins							
Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials		
0	1	1428	18	See Note 1	See Note 1		
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 3-6 Test B: 15 unique PRI values randomly selected within the range of 518-3066 µsec, with a minimum increment of 1 µsec, excluding PRI values selected in Test A	$ \text{Roundup} \left\{ $	60%	30		
2	1-5	150-230	23-29	60%	30		
3	6-10	200-500	16-18	60%	30		
4	11-20	200-500	12-16	60%	30		
Aggregate	(Radar Typ	pes 1-4)		80%	120		

Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.

Table 3-5: Parameters for Short Pulse Radar Waveforms

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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.

Pulse Repetition Frequency Number	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)
1	1930.5	518
2	1858.7	538
3	1792.1	558
4	1730.1	578
5	1672.2	598
6	1618.1	618
7	1567.4	638
8	1519.8	658
9	1474.9	678
10	1432.7	698
11	1392.8	718
12	1355	738
13	1319.3	758
14	1285.3	778
15	1253.1	798
16	1222.5	818
17	1193.3	838
18	1165.6	858
19	1139	878
20	1113.6	898
21	1089.3	918
22	1066.1	938
23	326.2	3066

Table 3-6: Pulse Repetition Intervals Values for Test A

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Long Pulse Radar Test Waveform

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

Table 3-7: Parameters for Long Pulse Radar Waveforms

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

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 Number of Trials
6	1	333	9	0.333	300	70%	30

Table 3-8: Parameters for Frequency Hopping Radar Waveforms

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

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3.5. Conducted Test Setup

The FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v01r01 describes a radiated test setup and a conducted test setup. The conducted test setup was used for this testing. Figure 3-1 shows the typical test setup.

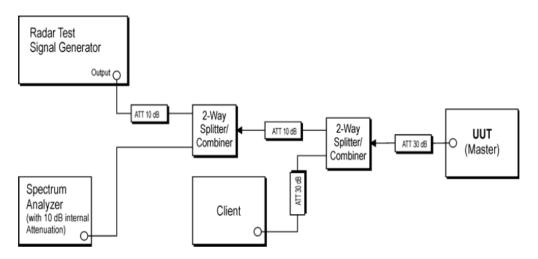


Figure 3-1: Conducted Test Setup where UUT is a Master and Radar Test Waveforms are injected into the Masters

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4. TEST EQUIPMENT CALIBRATION DATE

Dynamic Frequency Selection (DFS)

Instrument	Manufacturer	Type No.	Serial No.	Cali. Due Date
Spectrum Analyzer	Agilent	N9020A	MY52090106	2015/04/23
ESG Vector Signal Generator	Agilent	E4438C	MY49872484	2015/12/09

Software	Manufacturer	Function
Pulse Building	Agilent	Radar Signal Generation Software
DFS Tool	Agilent	DFS Test Software

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5. TEST RESULT

5.1. Summary

Company Name: Calix Inc.

FCC ID: 2ABLK-844E-1

FCC Classification: Unlicensed National Information Infrastructure (UNII)

Parameter	Limit	Test Result	Reference
UNII Detection Bandwidth Measurement	Refer Table 3-3	Pass	Section 5.4
Initial Channel Availability Check Time	Refer Table 3-3	Pass	Section 5.5
Radar Burst at the Beginning of the Channel Availability Check Time	Refer Table 3-3	Pass	Section 5.6
Radar Burst at the End of the Channel Availability Check Time	Refer Table 3-3	Pass	Section 5.7
In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time	Refer Table 3-3	Pass	Section 5.8
Non-Occupancy Period	Refer Table 3-3	Pass	Section 5.8
Statistical Performance Check	Refer Table 3-3	Pass	Section 5.9

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5.2. Radar Waveform Calibration

5.2.1. Calibration Setup

The conducted test setup was used for this calibration testing. Figure 3-2 shows the typical test setup.

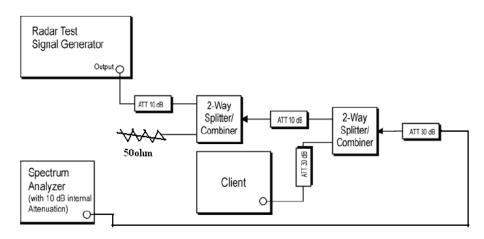


Figure 3-2: Conducted Test Setup

5.2.2. Calibration Procedure

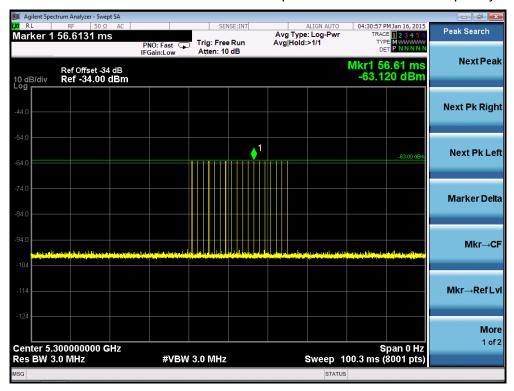
The Interference Radar Detection Threshold Level is (-64dBm) + (0) [dBi] + 1 dB= -63 dBm that had been taken into account the output power range and antenna gain. The above equipment setup was used to calibrate the conducted Radar Waveform. A vector signal generator was utilized to establish the test signal level for each radar type. During this process there were replace 50ohm terminal form Master and Client device and no transmissions by either the Master or Client Device. The spectrum analyzer was switched to the zero span (Time Domain) at the frequency of the Radar Waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to at least 3MHz. The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was (-64dBm) + (0) [dBi] + 1 dB= -63dBm. Capture the spectrum analyzer plots on short pulse radar types, long pulse radar type and hopping radar waveform.

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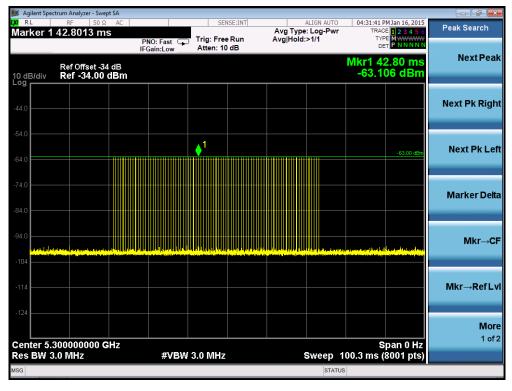


5.2.3. Cablibration Result

Radar #0 DFS detection threshold level and the burst of pulses on the Channel frequency



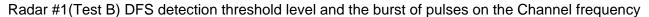
Radar #1(Test A) DFS detection threshold level and the burst of pulses on the Channel frequency

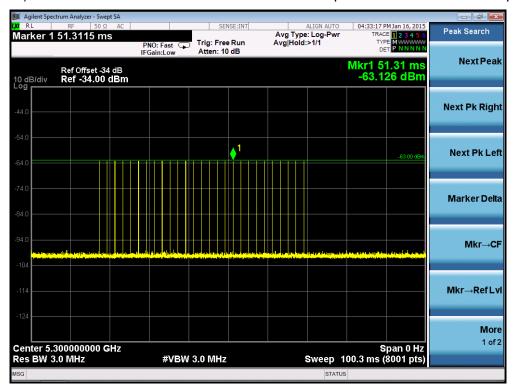


PRI = 598us and the number of pulses = 89

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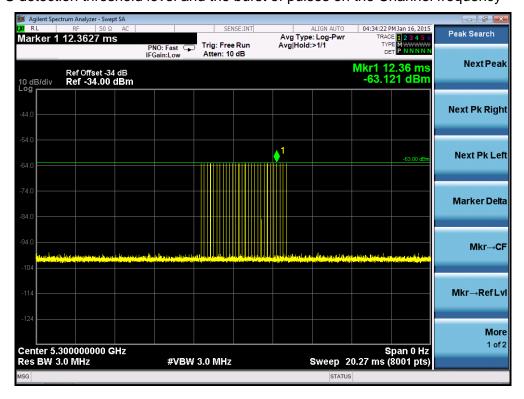






PRI = 2.003ms and the number of pulses = 27

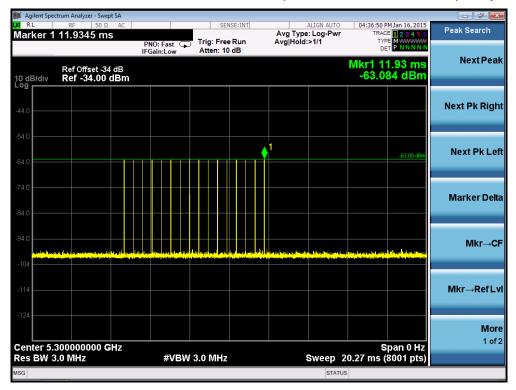
Radar #2 DFS detection threshold level and the burst of pulses on the Channel frequency



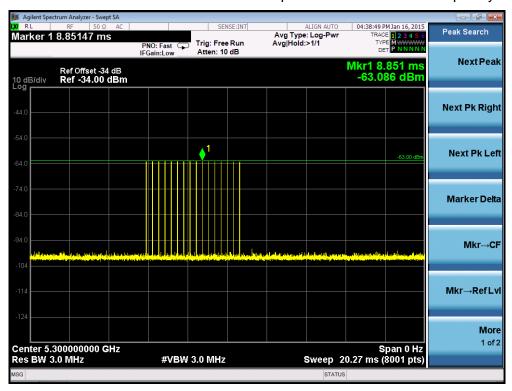
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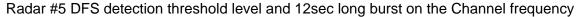


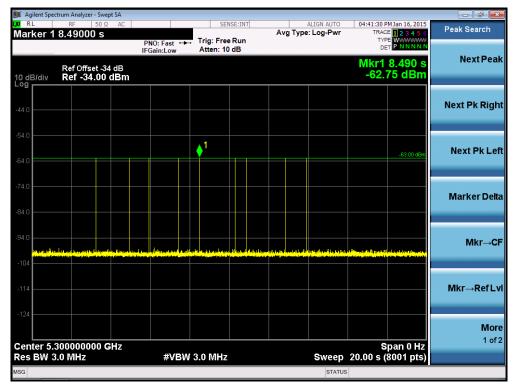
Radar #4 DFS detection threshold level and the burst of pulses on the Channel frequency



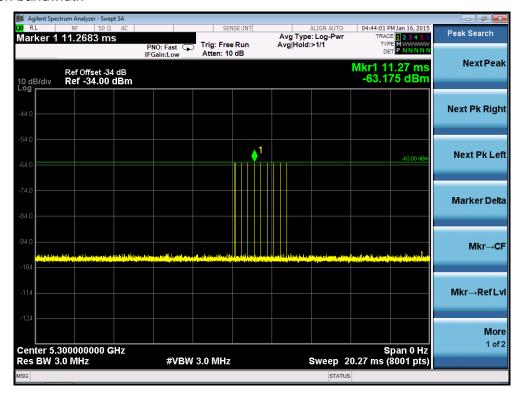
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Radar #6 DFS detection threshold level and a single hop (9 pulses) on the Channel frequency within UNII detection bandwidth

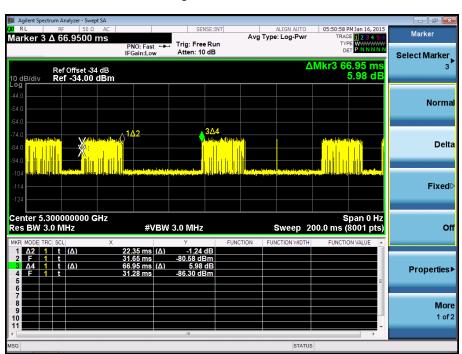


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5.3. Channel Loading Test Result

System testing was performed with the designated MPEG test file that streams full motion video from the WiFi Concurrent 4 Port GE LAN VoIP Ethernet Gateway with USB to the Client in full motion video mode using the media player with the V2.61 Codec package. This file is used by IP and Frame based systems for loading the test channel during the In-service compliance testing of the U-NII device. Packet ratio = Time On/ (Time On + Off Time).

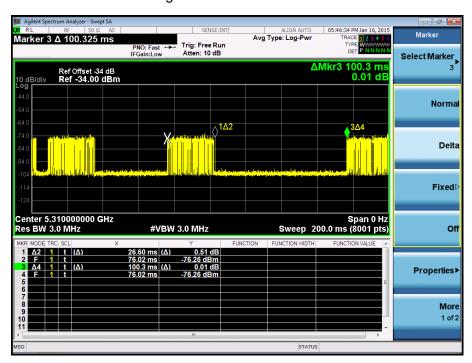


Channel Loading Plot - 802.11a-5300MHz

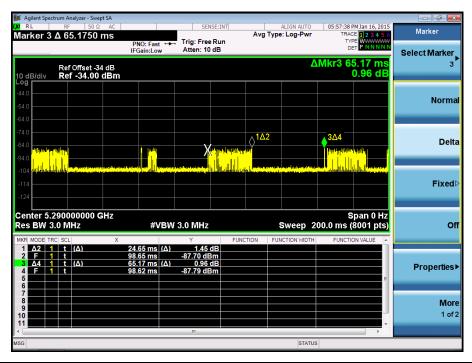
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Channel Loading Plot - 802.11n-HT40 5310MHz



Channel Loading Plot - 802.11ac80 5290MHz



Test Mode	Packet ratio	Requirement ratio	Test Result
802.11a	33.38%	>17%	Pass
802.11n-40MHz	26.52%	>17%	Pass
802.11ac-80MHz	37.82%	>17%	Pass

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5.4. UNII Detection Bandwidth Measurement

5.4.1. Test Limit

Minimum 100% of the UNII 99% transmission power bandwidth. During the U-NII Detection Bandwidth detection test, each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

5.4.2. Test Procedure

- 1. Adjust the equipment to produce a single Burst of any one of the Short Pulse Radar Types 0-4 in Table 3-5 at the center frequency of the EUT Operating Channel at the specified DFS Detection Threshold level.
- 2. The generating equipment is configured as shown in the Conducted Test Setup above section 3.5.
- 3. The EUT is set up as a stand-alone device (no associated Client or Master, as appropriate) and no traffic. Frame based systems will be set to a talk/listen ratio reflecting the worst case (maximum) that is user configurable during this test.
- 4. Generate a single radar Burst, and note the response of the EUT. Repeat for a minimum of 10 trials. The EUT must detect the Radar Waveform using the specified U-NII Detection Bandwidth criterion shown in Table 3-5. In cases where the channel bandwidth may exceed past the DFS band edge on specific channels (i.e., 802.11ac or wideband frame based systems) select a channel that has the entire emission bandwidth within the DFS band. If this is not possible, test the detection BW to the DFS band edge.
- 5. Starting at the center frequency of the UUT operating Channel, increase the radar frequency in 5 MHz steps, repeating the above test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion specified in Table 3-3. Repeat this measurement in 1MHz steps at frequencies 5 MHz below where the detection rate begins to fall. Record the highest frequency (denote as FH) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies above FH is not required to demonstrate compliance.
- 6. Starting at the center frequency of the EUT operating Channel, decrease the radar frequency in 1 MHz steps, repeating the above item 4 test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion. Record the lowest frequency (denote as FL) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies below FL is not required to demonstrate compliance.
- 7. The U-NII Detection Bandwidth is calculated as follows: U-NII Detection Bandwidth = FH FL 8. The U-NII Detection Bandwidth must be at least 100% of the EUT transmitter 99% power,
- otherwise, the EUT does not comply with DFS requirements.

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5.4.3. Test Result

EUT Frequency=5300MHz for 802.11a											
Radar Frequency			DF	S Det	ection	Trials	(1=D	etectic	n, 0=	No De	tection)
(MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5285	0	0	0	0	0	0	0	0	0	0	0%
5286	0	0	0	0	0	0	0	0	0	0	0%
5287	0	0	0	0	0	0	0	0	0	0	0%
5288	0	0	0	0	0	0	0	0	0	0	0%
5289	0	0	0	0	0	0	0	0	0	0	0%
5290 FL	1	1	1	1	1	1	1	1	1	1	100%
5291	1	1	1	1	1	1	1	1	1	1	100%
5292	1	1	1	1	1	1	1	1	1	1	100%
5293	1	1	1	1	1	1	1	1	1	1	100%
5294	1	1	1	1	1	1	1	1	1	1	100%
5295	1	1	1	1	1	1	1	1	1	1	100%
5296	1	1	1	1	1	1	1	1	1	1	100%
5297	1	1	1	1	1	1	1	1	1	1	100%
5298	1	1	1	1	1	1	1	1	1	1	100%
5299	1	1	1	1	1	1	1	1	1	1	100%
5300	1	1	1	1	1	1	1	1	1	1	100%
5301	1	1	1	1	1	1	1	1	1	1	100%
5302	1	1	1	1	1	1	1	1	1	1	100%
5303	1	1	1	1	1	1	1	1	1	1	100%
5304	1	1	1	1	1	1	1	1	1	1	100%
5305	1	1	1	1	1	1	1	1	1	1	100%
5306	1	1	1	1	1	1	1	1	1	1	100%
5307	1	1	1	1	1	1	1	1	1	1	100%
5308	1	1	1	1	1	1	1	1	1	1	100%
5309	1	1	1	1	1	1	1	1	1	1	100%
5310 FH	1	1	1	1	1	1	1	1	1	1	100%
5311	0	0	0	0	0	0	0	0	0	0	0%
5312	0	0	0	0	0	0	0	0	0	0	0%
5313	0	0	0	0	0	0	0	0	0	0	0%

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5314	0	0	0	0	0	0	0	0	0	0	0%
5315	0	0	0	0	0	0	0	0	0	0	0%

Detection Bandwidth = FH - FL = 5310MHz - 5290MHz = 20MHz

EUT 99% Bandwidth = 16.96MHz (see note)

UNII Detection Bandwidth Min. Limit (MHz): 16.96MHz x 100% = 16.96MHz

Note: All UNII channels for this device have identical Channel bandwidths. Therefore, all DFS testing was done at 5300MHz. The 99% channel bandwidth is 17.03MHz. (See the 99% BW section of the RF report for further measurement details).

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		EU	T Freq	luency	/=5310	MHz f	or 802	2.11n-ŀ	HT40		
Radar Frequency			DF	S Det	ection	Trials	(1=D	etectic	n, 0=	No De	tection)
(MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5290	0	0	0	0	0	0	0	0	0	0	0%
5291	0	0	0	0	0	0	0	0	0	0	0%
5292 FL	1	1	1	1	1	1	1	1	1	1	100%
5293	1	1	1	1	1	1	1	1	1	1	100%
5294	1	1	1	1	1	1	1	1	1	1	100%
5295	1	1	1	1	1	1	1	1	1	1	100%
5296	1	1	1	1	1	1	1	1	1	1	100%
5297	1	1	1	1	1	1	1	1	1	1	100%
5298	1	1	1	1	1	1	1	1	1	1	100%
5299	1	1	1	1	1	1	1	1	1	1	100%
5300	1	1	1	1	1	1	1	1	1	1	100%
5301	1	1	1	1	1	1	1	1	1	1	100%
5302	1	1	1	1	1	1	1	1	1	1	100%
5303	1	1	1	1	1	1	1	1	1	1	100%
5304	1	1	1	1	1	1	1	1	1	1	100%
5305	1	1	1	1	1	1	1	1	1	1	100%
5306	1	1	1	1	1	1	1	1	1	1	100%
5307	1	1	1	1	1	1	1	1	1	1	100%
5308	1	1	1	1	1	1	1	1	1	1	100%
5309	1	1	1	1	1	1	1	1	1	1	100%
5310	1	1	1	1	1	1	1	1	1	1	100%
5311	1	1	1	1	1	1	1	1	1	1	100%
5312	1	1	1	1	1	1	1	1	1	1	100%
5313	1	1	1	1	1	1	1	1	1	1	100%
5314	1	1	1	1	1	1	1	1	1	1	100%
5315	1	1	1	1	1	1	1	1	1	1	100%
5316	1	1	1	1	1	1	1	1	1	1	100%
5317	1	1	1	1	1	1	1	1	1	1	100%
5318	1	1	1	1	1	1	1	1	1	1	100%
5319	1	1	1	1	1	1	1	1	1	1	100%





5320	1	1	1	1	1	1	1	1	1	1	100%
5321	1	1	1	1	1	1	1	1	1	1	100%
5322	1	1	1	1	1	1	1	1	1	1	100%
5323	1	1	1	1	1	1	1	1	1	1	100%
5324	1	1	1	1	1	1	1	1	1	1	100%
5325	1	1	1	1	1	1	1	1	1	1	100%
5326	1	1	1	1	1	1	1	1	1	1	100%
5327	1	1	1	1	1	1	1	1	1	1	100%
5328	1	1	1	1	1	1	1	1	1	1	100%
5329 FH	1	1	1	1	1	1	1	1	1	1	100%
5330	1	1	1	1	1	1	1	1	1	1	100%

Detection Bandwidth = FH - FL = 5330MHz - 5292MHz = 38MHz

EUT 99% Bandwidth = 36.49MHz (see note)

UNII Detection Bandwidth Min. Limit (MHz): 36.53MHz x 100% = 36.49MHz

Note: All UNII channels for this device have identical Channel bandwidths. Therefore, all DFS testing was done at 5310MHz. The 99% channel bandwidth is 36.53MHz. (See the 99% BW section of the RF report for further measurement details).

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		EUT	Frequ	ency=	:5290N	/IHz fo	r 802.	11ac-V	/HT80		
Radar Frequency			DF	S Det	ection	Trials	(1=D	etectic	on, 0=	No De	tection)
(MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5245	0	0	0	0	0	0	0	0	0	0	0%
5246	0	0	0	0	0	0	0	0	0	0	0%
5247	0	0	0	0	0	0	0	0	0	0	0%
5248	0	0	0	0	0	0	0	0	0	0	0%
5249	0	0	0	0	0	0	0	0	0	0	0%
5250 FL	1	1	1	1	1	1	1	1	1	1	100%
5251	1	1	1	1	1	1	1	1	1	1	100%
5252	1	1	1	1	1	1	1	1	1	1	100%
5253	1	1	1	1	1	1	1	1	1	1	100%
5254	1	1	1	1	1	1	1	1	1	1	100%
5255	1	1	1	1	1	1	1	1	1	1	100%
5256	1	1	1	1	1	1	1	1	1	1	100%
5257	1	1	1	1	1	1	1	1	1	1	100%
5258	1	1	1	1	1	1	1	1	1	1	100%
5259	1	1	1	1	1	1	1	1	1	1	100%
5260	1	1	1	1	1	1	1	1	1	1	100%
5261	1	1	1	1	1	1	1	1	1	1	100%
5262	1	1	1	1	1	1	1	1	1	1	100%
5263	1	1	1	1	1	1	1	1	1	1	100%
5264	1	1	1	1	1	1	1	1	1	1	100%
5265	1	1	1	1	1	1	1	1	1	1	100%
5266	1	1	1	1	1	1	1	1	1	1	100%
5267	1	1	1	1	1	1	1	1	1	1	100%
5268	1	1	1	1	1	1	1	1	1	1	100%
5269	1	1	1	1	1	1	1	1	1	1	100%
5270	1	1	1	1	1	1	1	1	1	1	100%
5271	1	1	1	1	1	1	1	1	1	1	100%
5272	1	1	1	1	1	1	1	1	1	1	100%
5273	1	1	1	1	1	1	1	1	1	1	100%

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5274	1	1	1	1	1	1	1	1	1	1	100%
5275	1	1	1	1	1	1	1	1	1	1	100%
5276	1	1	1	1	1	1	1	1	1	1	100%
5277	1	1	1	1	1	1	1	1	1	1	100%
5278	1	1	1	1	1	1	1	1	1	1	100%
5279	1	1	1	1	1	1	1	1	1	1	100%
5280	1	1	1	1	1	1	1	1	1	1	100%
5281	1	1	1	1	1	1	1	1	1	1	100%
5282	1	1	1	1	1	1	1	1	1	1	100%
5283	1	1	1	1	1	1	1	1	1	1	100%
5284	1	1	1	1	1	1	1	1	1	1	100%
5285	1	1	1	1	1	1	1	1	1	1	100%
5286	1	1	1	1	1	1	1	1	1	1	100%
5287	1	1	1	1	1	1	1	1	1	1	100%
5288	1	1	1	1	1	1	1	1	1	1	100%
5289	1	1	1	1	1	1	1	1	1	1	100%
5290	1	1	1	1	1	1	1	1	1	1	100%
5291	1	1	1	1	1	1	1	1	1	1	100%
5292	1	1	1	1	1	1	1	1	1	1	100%
5293	1	1	1	1	1	1	1	1	1	1	100%
5294	1	1	1	1	1	1	1	1	1	1	100%
5295	1	1	1	1	1	1	1	1	1	1	100%
5296	1	1	1	1	1	1	1	1	1	1	100%
5297	1	1	1	1	1	1	1	1	1	1	100%
5298	1	1	1	1	1	1	1	1	1	1	100%
5299	1	1	1	1	1	1	1	1	1	1	100%
5300	1	1	1	1	1	1	1	1	1	1	100%
5301	1	1	1	1	1	1	1	1	1	1	100%
5302	1	1	1	1	1	1	1	1	1	1	100%
5303	1	1	1	1	1	1	1	1	1	1	100%
5304	1	1	1	1	1	1	1	1	1	1	100%
5305	1	1	1	1	1	1	1	1	1	1	100%
5306	1	1	1	1	1	1	1	1	1	1	100%
	_		_	_		_	_	_	_	_	



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5307	1	1	1	1	1	1	1	1	1	1	100%
5308	1	1	1	1	1	1	1	1	1	1	100%
5309	1	1	1	1	1	1	1	1	1	1	100%
5310	1	1	1	1	1	1	1	1	1	1	100%
5311	1	1	1	1	1	1	1	1	1	1	100%
5312	1	1	1	1	1	1	1	1	1	1	100%
5313	1	1	1	1	1	1	1	1	1	1	100%
5314	1	1	1	1	1	1	1	1	1	1	100%
5315	1	1	1	1	1	1	1	1	1	1	100%
5316	1	1	1	1	1	1	1	1	1	1	100%
5317	1	1	1	1	1	1	1	1	1	1	100%
5318	1	1	1	1	1	1	1	1	1	1	100%
5319	1	1	1	1	1	1	1	1	1	1	100%
5320	1	1	1	1	1	1	1	1	1	1	100%
5321	1	1	1	1	1	1	1	1	1	1	100%
5322	1	1	1	1	1	1	1	1	1	1	100%
5323	1	1	1	1	1	1	1	1	1	1	100%
5324	1	1	1	1	1	1	1	1	1	1	100%
5325	1	1	1	1	1	1	1	1	1	1	100%
5326	1	1	1	1	1	1	1	1	1	1	100%
5327	1	1	1	1	1	1	1	1	1	1	100%
5328	1	1	1	1	1	1	1	1	1	1	100%
5329	1	1	1	1	1	1	1	1	1	1	100%
5330 FH	1	1	1	1	1	1	1	1	1	1	100%
5331	0	0	0	0	0	0	0	0	0	0	0%
5332	0	0	0	0	0	0	0	0	0	0	0%
5334	0	0	0	0	0	0	0	0	0	0	0%
5335	0	0	0	0	0	0	0	0	0	0	0%
5336	0	0	0	0	0	0	0	0	0	0	0%
<u> </u>											

Detection Bandwidth = FH - FL = 5330MHz - 5250MHz = 80MHz

EUT 99% Bandwidth = 75.55MHz (see note)

UNII Detection Bandwidth Min. Limit (MHz): 76.00MHz x 100% = 75.55MHz

Note: All UNII channels for this device have identical Channel bandwidths. Therefore, all DFS testing was done at 5290MHz. The 99% channel bandwidth is 76.00MHz. (See the 99% BW section of the RF report for further

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measurement details).

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5.5. Initial Channel Availability Check Time Measurement

5.5.1. Test Limit

The EUT shall perform a Channel Availability Check to ensure that there is no radar operating on the channel. After power-up sequence, receive at least 1 minute on the intended operating frequency.

5.5.2. Test Procedure

- 1. The U-NII devices will be powered on and be instructed to operate on the appropriate U-NII Channel that must incorporate DFS functions. At the same time the EUT is powered on, the spectrum analyzer will be set to zero span mode with a 3 MHz RBW and 3 MHz VBW on the Channel occupied by the radar (Chr) with a 2.5 minute sweep time. The spectrum analyzer's sweep will be started at the same time power is applied to the U-NII device.
- 2. The EUT should not transmit any beacon or data transmissions until at least 1 minute after the completion of the power-on cycle.
- 3. Confirm that the EUT initiates transmission on the channel. Measurement system showing its nominal noise floor is marker1.

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5.5.3. Test Result

The EUT does not transmit any beacon or data transmissions until at least 1 minute after the completion of the power-on cycle (120.9 sec). Initial beacons/data transmissions are indicated by marker 1 (180.9 sec).

Initial Channel Availability Check Time for 802.11a





5.6. Radar Burst at the Beginning of the Channel Availability Check Time Measurement

5.6.1. Test Limit

In beginning of the Channel Availability Check (CAC) Time, radar is detected on this channel, select another intended channel and perform a CAC on that channel.

5.6.2. Test Procedure

- 1. The steps below define the procedure to verify successful radar detection on the selected Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1 dB occurs at the beginning of the Channel Availability Check Time.
- 2. The EUT is in completion power-up cycle (from T0 to T1). T1 denotes the instant when the EUT has completed its power-up sequence. The Channel Availability Check Time commences at instant T1 and will end no sooner than T1 + 60 seconds. A single Burst of one of Short Pulse Radar Types 0-4 at DFS Detection Threshold + 1 dB will commence within a 6 second window starting at T1.
- 3. Visual indication on the EUT of successful detection of the radar Burst will be recorded and reported. Observation of emissions at 5300MHz (for 802.11a) will continue for 2.5 minutes after the radar Burst has been generated. Verify that during the 2.5 minutes measurement window no EUT transmissions occurred at 5300MHz (for 802.11a).

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5.6.3. Test Result

Radar Burst at the Beginning of the Channel Availability Check Time for 802.11a





5.7. Radar Burst at the End of the Channel Availability Check Time Measurement

5.7.1. Test Limit

In the end of Channel Availability Check (CAC) Time, radar is detected on this channel, select another intended channel and perform a CAC on that channel.

5.7.2. Test Procedure

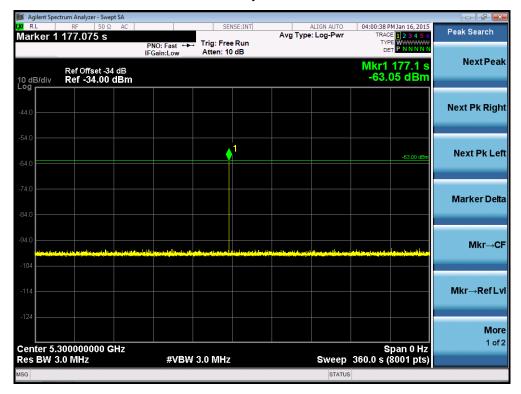
- 1. The steps below define the procedure to verify successful radar detection on the selected Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1 dB occurs at the beginning of the Channel Availability Check Time.
- 2. The EUT is powered on at T0. T1 denotes the instant when the EUT has completed its power-up sequence. The Channel Availability Check Time commences at instant T1 and will end no sooner thanT1 + 60 seconds. A single Burst of one of Short Pulse Radar Types 0-4 at DFS Detection Threshold + 1 dB will commence within a 6 second window starting at T1+ 54 seconds.
- 3. Visual indication on the EUT of successful detection of the radar Burst will be recorded and reported. Observation of emissions at 5300MHz (for 802.11a) will continue for 2.5 minutes after the radar Burst has been generated. Verify that during the 2.5 minutes measurement window no EUT transmissions occurred at 5300MHz (for 802.11a).

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5.7.3. Test Result

Radar Burst at the End of the Channel Availability Check Time for 802.11a





5.8. In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period Measurement

5.8.1. Test Limit

The EUT has In-Service Monitoring function to continuously monitor the radar signals. If the radar is detected, must leave the channel (Shutdown). The Channel Move Time to cease all transmissions on the current channel upon detection of a Radar Waveform above the DFS Detection Threshold within 10 sec. The total duration of Channel Closing Transmission Time is 260ms, consisting of data signals and the aggregate of control signals, by a U-NII device during the Channel Move Time. The Non-Occupancy Period time is 30 minute during which a Channel will not be utilized after a Radar Waveform is detected on that Channel.

5.8.2. Test Procedure Used

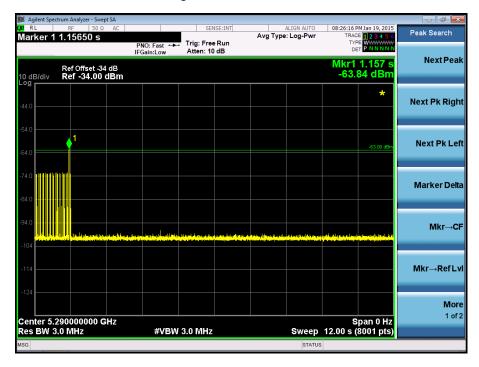
- 1. The test should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0.
- 2. When the radar burst with a level equal to the DFS Detection Threshold + 1dB is generated on the Operating Channel of the U-NII device. A U-NII device operating as a Master Device will associate with the Client Device at Channel. Stream the MPEG test file from the Master Device to the Client Device on the selected Channel for the entire period of the test. At time T0 the Radar Waveform generator sends a Burst of pulses for each of the radar types at Detection Threshold + 1dB.
- 2. Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the EUT during the observation time (Channel Move Time).
- 3. Measurement of the aggregate duration of the Channel Closing Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (1.5ms) = S (12 sec) / B (8000); where Dwell is the dwell time per spectrum analyzer sampling bin, <math>S is the sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: 80MHz: C (0 ms) = N (0) X Dwell (1.5 ms); where C is the Closing Time, N is the number of spectrum analyzer sampling bins showing a U-NII transmission and Dwell is the dwell time per bin.
- 4. Measure the EUT for more than 30 minutes following the channel close/move time to verify that the EUT does not resume any transmissions on this Channel.

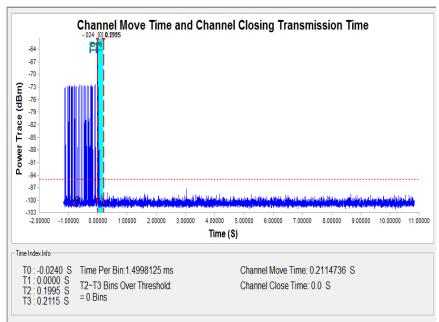
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5.8.3. Test Result

Channel Move Time and Channel Closing Transmission Time for 802.11ac-VHT80

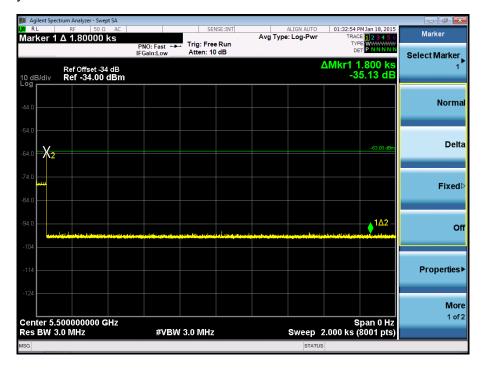




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Non-Occupancy Period for 802.11a



Parameter	Test Result	Limit
	Type 0	
Channel Move Time (s)	0.211s	<10s
Channel Closing Transmission Time (ms)	Omo	< 60mg
(Note)	0ms	< 60ms
Non-Occupancy Period (min)	≥ 30min	≥ 30 min

Note: 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 seconds period. The aggregate duration of control signals will not count quiet periods in between transmissions.



5.9. Statistical Performance Check Measurement

5.9.1. Test Limit

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

Radar Type	Minimum Number of Trails	Detection Probability		
0	30	Pd > 60%		
1	30(15 of test A and 15 of test B)	Pd > 60%		
2	30	Pd > 60%		
3	30	Pd > 60%		
4	30	Pd > 60%		
Aggregate (Radar Types 1-4)	120	Pd > 80%		
5	30	Pd > 80%		
6	30	Pd > 70%		

The percentage of successful detection is calculated by:

(Total Waveform Detections / Total Waveform Trails) * 100 = Probability of Detection Radar Waveform In addition an aggregate minimum percentage of successful detection across all Short Pulse Radar Types 1-4 is required and is calculated as follows: (Pd1 + Pd2 + Pd3 + Pd4) / 4.

5.9.2. Test Procedure

- 1. Stream the MPEG test file from the Master Device to the Client Device on the test Channel for the entire period of the test.
- 2. At time T0 the Radar Waveform generator sends the individual waveform for each of the Radar Types 1-6, at levels equal to the DFS Detection Threshold + 1dB, on the Operating Channel.
- 3. Observe the transmissions of the EUT at the end of the Burst on the Operating Channel for duration greater than 10 seconds for Short Pulse Radar Types 0 to ensure detection occurs.
- 4. Observe the transmissions of the EUT at the end of the Burst on the Operating Channel for duration greater than 22 seconds for Long Pulse Radar Type 5 to ensure detection occurs.
- 5. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trial runs.
- 6. The Minimum number of trails, minimum percentage of successful detection and the average

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minimum percentage of successful detection are found in below table.

5.9.3. Test Result

Statistical Performance Check for 802.11a

Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5290	1	638	83	1
2	5290	1	858	62	1
3	5290	1	818	65	1
4	5290	1	678	78	1
5	5290	1	718	74	1
6	5290	1	758	70	1
7	5290	1	938	57	1
8	5290	1	618	86	1
9	5290	1	3066	18	1
10	5290	1	658	81	1
11	5290	1	598	89	1
12	5290	1	898	59	1
13	5290	1	698	76	1
14	5290	1	518	102	1
15	5290	1	578	92	1
16	5290	1	1254	43	1
17	5290	1	1792	30	1
18	5290	1	1263	42	1
19	5290	1	2085	26	1
20	5290	1	2603	21	1
21	5290	1	1465	37	1
22	5290	1	531	100	1
23	5290	1	1661	32	1
24	5290	1	1436	37	1
25	5290	1	2578	21	1
26	5290	1	2755	20	1
27	5290	1	1735	31	1
28	5290	1	1394	38	1
29	5290	1	2526	21	1
30	5290	1	1092	49	1

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Detection Percentage (%)	100%
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Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5300	1.6	225	24	1
2	5300	2.3	193	23	1
3	5300	3.0	157	24	1
4	5300	3.3	210	28	1
5	5300	4.2	165	28	1
6	5300	3.1	196	28	1
7	5300	3.4 219 26		26	1
8	5300	1.8	1.8 214 26		1
9	5300	2.1	224	28	1
10	5300	1.5	183	29	1
11	5300	3.2	198	23	1
12	5300	3.4	176	27	1
13	13 5300		174	28	1
14	5300	1.2	222	27	1
15	5300	2.8	197	28	1
16	5300	2.4	164	27	1
17	5300	3.0	222	25	1
18	5300	3.4	214	28	1
19	5300	2.1	201	29	1
20	5300	1.1	164	23	1
21	5300	4.1	211	27	1
22	5300	1.9	191	27	1
23	5300	1.4	164	25	1
24	5300	1.7	203	23	1
25	5300	1.8	157	23	1
26	5300	4.4	175	24	1
27	5300	2.8	218	29	1
28	5300	2.4	167	23	0
29	5300	3.9	174	23	1
30	5300	2.2	226	23	1
	Det	ection Percentage	(%)		96.7%



Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5310	6.0	309	16	1
2	5310	8.4	443	16	1
3	5310	6.2	346	16	1
4	5310	9.8	304	17	1
5	5310	7.0	272	18	1
6	5310	9.8	310	16	1
7	5310	7.6	7.6 494 17		1
8	5310	7.8	7.8 451 16		1
9	5310	9.0	319	18	1
10	5310	6.2	389	18	1
11	5310	9.0	281	16	1
12	5310	8.1	296	18	1
13	5310	8.5	460	16	1
14	5310	7.5	416	16	0
15	5310	8.2	440	18	1
16	5310	7.8	274	18	1
17	5310	6.0	436	16	1
18	5310	6.3	448	18	1
19	5310	8.5	275	18	1
20	5310	8.9	376	18	1
21	5310	9.2	381	16	1
22	5310	9.5	361	18	1
23	5310	9.5	265	18	1
24	5310	6.0	303	18	1
25	5310	10.0	396	18	1
26	5310	6.4	465	17	1
27	5310	7.1	363	16	1
28	5310	8.9	423	16	1
29	5310	7.6	457	17	0
30	5310	9.4	306	17	1
	Det	ection Percentage	(%)		96.7%

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Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5310	13.5	383	15	1
2	5310	11.5	331	16	1
3	5310	11.6	328	13	1
4	5310	15.5	268	14	1
5	5310	13.9	290	13	1
6	5310	15.5	430	13	1
7	5310	18.9 327		15	1
8	5310	18.8	401	15	1
9	5310	17.5	456	14	1
10	5310	15.1	310	14	1
11	5310	17.8	329	14	1
12	5310	16.2	292	14	1
13	5310	17.7	382	15	1
14	5310	17.6	386	16	1
15	5310	16.9	251	15	1
16	5310	16.6	404	12	1
17	5310	15.2	367	15	1
18	5310	12.0	424	12	1
19	5310	15.8	422	13	1
20	5310	13.6	439	12	1
21	5310	12.9	392	15	1
22	5310	17.4	396	16	1
23	5310	13.3	355	12	1
24	5310	15.9	326	14	1
25	5310	16.7	448	13	1
26	5310	19.2	291	14	1
27	5310	16.0	287	16	1
28	5310	12.7	265	16	1
29	5310	13.7	379	15	1
30	5310	15.5	480	13	1
	Dete	ection Percentage	: (%)		100%

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test

waveforms is as follows:
$$\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4} = (100\% + 96.7\% + 96.7\% + 100\%)/4 = 98.35\% (>80\%)$$

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Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq.	1=Detection	Trail #	Test Freq.	1=Detection
	(MHz)	0=No Detection		(MHz)	0=No Detection
1	5310	1	16	5310	1
2	5310	1	17	5310	1
3	5310	1	18	5310	1
4	5310	1	19	5310	1
5	5310	1	20	5310	1
6	5310	1	21	5310	1
7	5310	1	22	5310	1
8	5310	1	23	5310	1
9	5310	1	24	5310	1
10	5310	1	25	5310	1
11	5310	1	26	5310	1
12	5310	1	27	5310	1
13	5310	1	28	5310	1
14	5310	1	29	5310	1
15	5310	1	30	5310	1
	Det	ection Percentage	(%)		100%

Waveform Num = 1 Num of Bursts = 10 Burst Interval (us)= 1200000										
urst	Off Time (us) 517359	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	1316094	1	20	55	1155	0	0	517359	0	1199999
2		1	11	80	1745	0	0	1834608	1200000	2399999
3	808680	1	12	65	1512	0	0	2645033	2400000	3599999
4	1572958	2	11	60	1699	1471	0	4219503	3600000	4799999
5	1601221	3	17	85	1158	1459	1826	5823894	4800000	5999999
6	808171	2	13	55	1738	1774	0	6636508	6000000	7199999
7	1068734	2	14	50	1655	1562	0	7708754	7200000	8399999
8	724522	1	18	75	1449	0	0	8436493	8400000	9599999
9	1619378	2	19	80	1453	1507	0	10057320	9600000	10799999
10	1177167 per of pulses in	2	15	90	1186	1807	0	11237447	10800000	11999999

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				Type	5 Radar V	Navefori	m_2			
veform Num	= 2		-							
xst Interve	= 2 s = 20 al (us)= 60000 Off Time (us) 529516	00 #	Chirp (MHz)	PW (v.c.)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3	Start Loc (us)	Start Burst E Interval(us) I	and Burst Interval(us)
	000000	Pulses 1	(MHz) 6	(us) 50	Pri (us) 1456	Pri(us) O	Pri(us)	(us) 529516		Interval (us) 599999
	145984	3	6 16	50 75	1456	o 1626	1385	629516 676956		1199999
	690026	2	11	85	1510	1010	0	1371270		1799999
	663835	1	6	95	1208	0	0	2037625		2399999
	946075	2	14	50	1539	1822	0	2984908		2999999
	156402	2	13	60	1516	1541	0	3144671	3000000	3599999
	1014176 358428	1	14	70	1504	0	0	4161904		4199999
	462990	1	5	80	1253	0	0	4521836		4799999
	507765	1	19	55	1871	0	0	4986079		5399999
	507118	2	7	65	1728	1185	0	5495715		5999999
	901089	3	16	70	1303	1552	1651	6005746		6599999
	717333	2	12	65	1717	1380	0	6911341		7199999
3 I	426640	2	18	50	1758	1514	0	7631771		7799999
1	905136	1	15 13	100 55	1367 1615	0	0	8061683 8968186		8399999 8999999
;	45055	3	6	85	1769	1972	1884	9014856		9599999
,	697314	2	13	90	1950	1572	0	9717795		10199999
	992246	1	19	80	1707	0	0	10713524		10799999
ı	506303	1	20	100	1312	0	0	11221534		11399999
	304445	9	Б.	60	1993	1030	1760	11527291		11999999
al number	of pulses in	waveform = 35	5 ************************************			1			_	
				Type	F Dodor \	Novefor	2			
				Type	5 Radar V	Vaveion	II_3			
eform Num										
	:s = 9 ral (us)= 1333	3333								
st	Off Time	#	Chirm	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Ctort Burst	t End Burst
st	Off Time (us)	# Pulses	Chirp (MHz)	(us)	Pulse l Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us	
	1240924								·	
		3	9	65	1762	1437	1961	1240924	0	1333332
	992020		4.4	80	4 5 5 7	1010	4550	0000104	**********	222225
	547053	3	11	90	1574	1213	1557	2238104	1333333	2666665
	041000	1	9	70	1208	0	0	2789501	2666666	399998
	2445860									
		2	10	100	1829	1228	0	5236569	3999999	5333331
	410904	4	r.	90	1774	^	^	FSEORSO	E000000	ceeees
	2146300	1	7	90	1774	0	0	5650530	5333332	6666664
		3	5	80	1754	1910	1578	7798604	6666665	7999997
	648693									
		1	7	95	1128	0	0	8452539	7999998	9333330
	1046685	3	7	95	1123	1088	1389	9500352	0999991	10555563
	1547122	Э	r	50	1183	1000	1005	9000002	9333331	10666663
	40% (444		1.4	80	1082	1243	1431	11051134	10666664	11999996
		3	14			-			-	
al number	of pulses in	n waveform = 2	20							
:al number	of pulses in	n waveform = 2	20	**********		olok				
al number	of pulses in	n waveform = 2	20							
tal number	of pulses in	n waveform = 2	20		5 Radar V		n_4			
	of pulses in	n waveform = 2	20				m_4			
veform Num	of pulses in	n waveform = 1	20				m_4			
weform Num n of Burst rst Interv	a = 4 s = 10 val (us) = 1200	n waveform = 2	20 ********************	Туре	5 Radar V	N avefori		Cturt Lon	Charle Bayast	F. J Durget
reform Num n of Burst st Interv	of pulses in the state of the s	n waveform = 2	20 ************************************	Type	5 Radar V	Waveforr	Pulse 3	Start Loc (us)	Start Burst Interval(us	
reform Num n of Burst st Interv	a = 4 s = 10 val (us) = 1200	n waveform = 1	20 ************************************	Type	Pulse 1 Pri(us)	Navefore Pulse 2 Pri (us)	Pulse 3 Pri(us)	(us)	Interval (us	s) Interval(us)
reform Num n of Burst st Interv	s of pulses ir	n waveform = 2	20 ************************************	Type	5 Radar V	Waveforr	Pulse 3			
reform Num n of Burst st Interv	s of pulses in the state of the	n waveform = (Chirp (MHz)	Type Pw (us) 95	Pulse 1 Pri(us) 1009	Pulse 2 Pri(us)	Pulse 3 Pri(us) O	(us) 89684	Interval (us 0	s) Interval(us) 1199999
reform Num n of Burst st Interv	s of pulses ir	n waveform = (Chirp (MHz) 6 14	Type PW (us) 95 80	Fulse 1 Pri(us) 1009 1538	Pulse 2 Pri(us) 1495 1641	Pulse 3 Pri(us) O	(us) 89684 2183234	Interval (us 0 1200000	s) Interval (us) 1199999 2399999
reform Num n of Burst st Interv	of pulses in the state of pulses in the state of pulses in the state of the state o	n waveform = (Chirp (MHz)	Type Pw (us) 95	Pulse 1 Pri(us) 1009	Pulse 2 Pri(us)	Pulse 3 Pri(us) O	(us) 89684	Interval (us 0	s) Interval(us) 1199999
veform Num n of Burst st Interv	a = 4 s = 10 off Time (us) 89684 2091046	n waveform = 14+++++++++++++++++++++++++++++++++++	20 ************************************	Type PW (us) 95 80 96	Pulse 1 Pri(us) 1009 1538 1895	Pulse 2 Pri(us) 1495 1641 1599	Pulse 3 Pri(us) 0 0 1234	(us) 89684 2183234 3020871	Interval (us 0 1200000 2400000	s) Interval (us) 1199999 2399999 3599999
veform Num n of Burst st Interv	of pulses in the state of pulses in the state of pulses in the state of the state o	n waveform = 14+++++++++++++++++++++++++++++++++++	20 ************************************	PW (us) 95 80 95 85	Pulse 1 Pri(us) 1009 1538 1895 1450	Pulse 2 Pri(us) 1495 1641 1599 1570	Pulse 3 Pri(us) 0 0 1234 1725	(us) 89684 2183234 3020871 4681474	Interval (us 0 1200000 2400000 3600000	1199999 2399999 3599999 4799999
veform Num n of Burst st Interv	a = 4 is = 10 off Time (us) 89684 2091046 834458 1655875 638463	n waveform = 14+++++++++++++++++++++++++++++++++++	20 ************************************	Type PW (us) 95 80 96	Pulse 1 Pri(us) 1009 1538 1895	Pulse 2 Pri(us) 1495 1641 1599	Pulse 3 Pri(us) 0 0 1234	(us) 89684 2183234 3020871	Interval (us 0 1200000 2400000	s) Interval (us) 1199999 2399999 3599999
weform Num n of Burst rst Interv	r of pulses in section of pulses in section of pulses in section of the section o	n waveform = 12	20 Chixp (MHz) 6 14 16 14 7	PW (us) 95 80 95 85 80	Pulse 1 Pri(us) 1009 1538 1895 1450 1351	Pulse 2 Pri(us) 1495 1641 1599 1570	Pulse 3 Pri(us) 0 0 1234 1725 1304	(us) 89684 2183234 3020871 4681474 5324682	Interval (us 0 1200000 2400000 3600000 4800000	1199999 2399999 3599999 4799999 5999999
weform Num n of Burst rst Interv	a = 4 is = 10 off Time (us) 89684 2091046 834458 1655875 638463	n waveform = 12	20 ************************************	PW (us) 95 80 95 85 80 85	Pulse 1 Pri(us) 1009 1538 1895 1450	Pulse 2 Pri(us) 1495 1641 1599 1570	Pulse 3 Pri(us) 0 0 1234 1725 1304	(us) 89684 2183234 3020871 4681474	Interval (us 0 1200000 2400000 3600000	1199999 2399999 3599999 4799999
weform Num n of Burst rst Interv	a = 4 a = 10 al (us) = 1200 Off Time (us) 89684 2091046 834458 1655875 638463 732371 1960438	n waveform = 12	20 Chixp (MHz) 6 14 16 14 7	PW (us) 95 80 95 85 80	Pulse 1 Pri(us) 1009 1538 1895 1450 1351	Pulse 2 Pri(us) 1495 1641 1599 1570	Pulse 3 Pri(us) 0 0 1234 1725 1304	(us) 89684 2183234 3020871 4681474 5324682	Interval (us 0 1200000 2400000 3600000 4800000	1199999 2399999 3599999 4799999 5999999
veform Num m of Burst rst Interv	of pulses in the state of pulses in the state of pulses in the state of the state o	n waveform = 1	Chixp (MHz) 6 14 16 14 7 9	PW (us) 95 80 95 85 80 85 90	Pulse 1 Pri(us) 1009 1538 1895 1450 1351 1387 1097	Pulse 2 Pri(us) 1495 1641 1599 1570 1381 1839	Pulse 3 Pri(us) 0 0 1234 1725 1304 0	(us) 89684 2183234 3020871 4681474 5324682 6061089 8024753	Interval (us 0 1200000 2400000 3600000 4800000 60000000 72000000	1199999 2399999 3599999 4799999 5999999 7199999 83999999
veform Num m of Burst rst Interv	a = 4 a = 10 al (us) = 1200 Off Time (us) 89684 2091046 834458 1655875 638463 732371 1960438	n waveform = 1	Chixp (MHz) 6 14 16 14 7 9 10	PW (us) 95 80 95 85 80 86 90 66	Pulse 1 Pri(us) 1009 1538 1895 1450 1351 1387 1097	Pulse 2 Pri(us) 1495 1641 1599 1570 1381 1839 1814	Pulse 3 Pri(us) 0 0 1234 1725 1304 0	(us) 89684 2183234 3020871 4681474 5324682 6061089 8024753 9272244	Interval (us 0 1200000 2400000 3600000 4800000 6000000	1199999 2399999 3599999 4799999 5999999 7199999 8399999 95999999
veform Num	a = 4 a = 10 a1 (us) = 1200 Off Time (us) 89684 2091046 834458 1655875 638463 732371 1960438 1244580 809341	n waveform = 1	Chixp (MHz) 6 14 16 14 7 9	PW (us) 95 80 95 85 80 85 90	Pulse 1 Pri(us) 1009 1538 1895 1450 1351 1387 1097	Pulse 2 Pri(us) 1495 1641 1599 1570 1381 1839	Pulse 3 Pri(us) 0 0 1234 1725 1304 0	(us) 89684 2183234 3020871 4681474 5324682 6061089 8024753	Interval (us 0 1200000 2400000 3600000 4800000 60000000 72000000	1199999 2399999 3599999 4799999 5999999 7199999 83999999
weform Num n of Burst rst Interv	a = 4 a = 10 al (us) = 1200 Off Time (us) 89684 2091046 834458 1655875 638463 732371 1960438 1244580	n waveform = 1	Chixp (MHz) 6 14 16 14 7 9 10	PW (us) 95 80 95 85 80 86 90 66	Pulse 1 Pri(us) 1009 1538 1895 1450 1351 1387 1097	Pulse 2 Pri(us) 1495 1641 1599 1570 1381 1839 1814	Pulse 3 Pri(us) 0 0 1234 1725 1304 0	(us) 89684 2183234 3020871 4681474 5324682 6061089 8024753 9272244	Interval (us 0 1200000 2400000 3600000 4800000 60000000 72000000 8400000	3) Interval(us) 1199999 2399999 3599999 4799999 5999999 7199999 8399999 95999999

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				Type	5 Radar V	Vaveform	1_5			
aveform N										
m of Bur rst Inte:	sts = 8 rval (us)= 1500	0000								
ırst	Off Time	#	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burs	t End Burst
	(us) 1236023	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us	s) Interval(
	1280532	3	8	70	1851	1238	1861	1236023	0	1499999
		3	15	80	1078	1038	1569	2521505	1500000	2999999
	1143197	2	11	70	1226	1640	0	3668387	3000000	4499999
	1864285	2	13	100	1365	1702	0	5535538	4500000	5999999
	817138									
	1405161	3	6	85	1641	1010	1238	6355743	6000000	7499999
	1354050	1	20	60	1584	0	0	7764793	7500000	8999999
		3	6	75	1741	1722	1822	9120427	9000000	10499999
	1715391	2	13	95	1962	1332	0	10841103	10500000	11999999
	er of pulses in Mondolpholpholphol			 		totok:				
				Tyne	5 Radar V	Vaveform	n 6			
veform N	him = 6			Турс	o itadai v	•a • c · c · i	<u></u> -			
m of Bur	sts = 17 rval (us) = 7058	382								
rst	Off Time (us) 494757	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval (us	End Burst Interval(
	452552	2	10	100	1747	1795	0	494757	0	705881
	966429	1 2	12 11	85 50	1957 1126	0 1024	0	950851 1919237	705882 1411764	1411763 2117645
	554201	2	8	75	1055	1395	0	2475588	2117646	2823527
	980480	1	16	70	1932	0	0	3458518	2823528	3529409
	176938	3	18	65	1952	1308	1534	3637388	3529410	4235291
	1098267	3	18	75	1544	1923	1069	4740449	4235292	4941173
	832427	3	12	85	1243	1358	1979	5577412	4941174	5647055
	541966	3	17	75	1951	1846	1754	6123958	5647056	6352937
)	744250	2	13	90	1516	1384	0	6873759	6352938	7058819
L	400235	3	17	70	1100	1520	1545	7276894	7058820	7764701
2	1021568	2	5	90	1439	1652	0	8302627	7764702	8470583
3	233426	2	8	100	1202	1348	0	8539144	8470584	9176465
1	1013429	1	19	55	1181	0	0	9555123	9176466	9882347
5	783992	2	18	90	1205	1261	0	10340296	9882348	10588229
5	804251	2	18	65	1823	1290	0	11147013	10588230	11294111
,	314410 er of pulses in	3	19	50	1718	1625	1606	11464536	11294112	11999993
-		 			+++++++++++++++++++++++++++++++++++++	+++				
				Type	5 Radar V	Vaveform	า_7			
	sts = 11									
	rval (us)= 1090 Off Time	#	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc		End Burst
	(us)	Pulses	(MHz) 15	(us) 60	Pri(us)	Pri (us) 1999	Pri(us) O	(us) 169936	Interval (us)	Interval (us) 1090908
	169936		10		1130					
	169936 998522	2	_		1565	0	0	1171587	1090909	2181817
	169936	1	5	50				0050000		3272726
	169936 998522 1079048		5 16	50 75	1997	1933	0	2252200	2181818	0818180
	169936 998522 1079048 1223181	1				1933 0	0	2252200 3479311	2181818 3272727	4363635
	169936 998522 1079048	1 2 1	16 12	75 60	1997 1961	0	0	3479311	3272727	4363635
	169936 998522 1079048 1223181	1 2 1	16 12 19	75 60 90	1997 1961 1015	0	0	3479311 4819560	3272727 4363636	4363635 5454544
	169936 998522 1079048 1223181 1338288 1284045	1 2 1	16 12	75 60	1997 1961	0	0	3479311	3272727	4363635
	169936 998522 1079048 1223181 1338288 1284045 747785	1 2 1	16 12 19	75 60 90	1997 1961 1015	0	0	3479311 4819560	3272727 4363636	4363635 5454544
	169936 998522 1079048 1223181 1338288 1284045 747785 1581445	1 2 1 1 2	16 12 19 10	75 60 90 90	1997 1961 1015 1479	0 0 1287	0 0 0	3479311 4819560 6104620	3272727 4363636 5454545	4363635 5454544 6545453
	169936 998522 1079048 1223181 1338288 1284045 747785	1 2 1 1 2 3	16 12 19 10 20 13	75 60 90 90 85 100	1997 1961 1015 1479 1798 1033	0 0 1287 1159 1963	0 0 0 1871 0	3479311 4819560 6104620 6855171 8441444	3272727 4363636 5454545 6545454 7636363	4363635 5454544 6545453 7636362 8727271
rst	169936 998522 1079048 1223181 1338288 1284045 747785 1581445	1 2 1 1 2 3 3 2 2 2	16 12 19 10 20 13	75 60 90 90 85 100	1997 1961 1015 1479 1798 1033	0 0 1287 1159 1963 1094	0 0 0 1871 0	3479311 4819560 6104620 6855171 8441444 9136107	3272727 4363636 5454545 6545454 7636363 8727272	4363635 5454544 6545453 7636362 8727271 9818180
	169936 998522 1079048 1223181 1338288 1284045 747785 1581445 691667	1 2 1 1 2 3	16 12 19 10 20 13	75 60 90 90 85 100	1997 1961 1015 1479 1798 1033	0 0 1287 1159 1963	0 0 0 1871 0	3479311 4819560 6104620 6855171 8441444	3272727 4363636 5454545 6545454 7636363	4363635 5454544 6545453 7636362 8727271

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				Type	5 Radar V	Vaveforn	า_8			
aveform Num of Bur:	ium = 8									
irst Inter irst	rval (us)= 8571 Off Time	143 #	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
ust.	(us) 307402	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
	753369	1	16	90	1907	0	0	307402	0	857142
	951691	3	12	60	1901	1223	1376	1062678	857143	1714285
	827736	2	17	90	1008	1909	0	2018869	1714286	2571428
	1360177	1	17	65	1418	0	0	2849522	2571429	3428571
	194859	2	5	70	1399	1823	0	4211117	3428572	4285714
	1474397	3	12	75	1576	1776	1480	4409198	4285715	5142857
	251576	3	10	95	1302	1965	1878	5888427	5142858	6000000
		2	11	95	1122	1403	0	6145148	6000001	6857143
	1045296	1	11	75	1417	0	0	7192969	6857144	7714286
0	855527	2	20	60	1154	1621	0	8049913	7714287	8571429
1	723031	2	6	95	1283	1850	0	8775719	8571430	9428572
2	1491725	1	11	65	1675	0	0	10270577	9428573	10285715
3	640727	1	15	95	1703	0	0	10912979	10285716	11142858
4	787033	3	16	55	1017	1024	1574	11701715	11142859	12000001
tal numb	er of pulses in	n waveform = 2	27		1011		*	*	**	100
				Type	C Dodor V	V-v-starn				
2 N				Туре	5 Radar V	Vaverorii	1_9			
veform N m of Bur rst Inte	Num = 9 :sts = 19 erval (us)= 6319	579								
rst	Off Time	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us	End Burst) Interval(us
	(us) 214522	3	15	50	1908	1177	1146	214522	o o	631578
	989245 676652	1	13	55	1216	0	0	1207998	631579	1263157
	676652 66105	1	6	75	1462	0	0	1885866	1263158	1894736
	66105 988964	1	11	65	1388	0	0	1953433	1894737	2526315
	988964 604586	3	6	50	1509	1482	1281	2943785	2526316	3157894
	682907	2	8	85	1331	1327	0	3552643	3157895	3789473
	619710	2	9	95 50	1408	1676	0	4238208	3789474	4421052
	455819	1	5 6	50 100	1984 1603	0	0	4861002 5318805	4421053 5052632	5052631 5684210
0	811780	1	6 15	100	1603 1342	0	0	5318805 6132188	5052632 5684211	5684210 6315789
1	577105	1	15	65	1026	0	0	6710635	6315790	6947368
2	589931	3	11	90	1061	1200	1815	7301592	6947369	7578947
3	339092 653868	2	12	95	1241	1059	0	7644760	7578948	8210526
4	653868 891913	3	11	60	1926	1491	1729	8300928	8210527	8842105
5	891913 753051	3	5	80	1108	1375	1594	9197987	8842106	9473684
6	182374	3	10	85	1460	1774	1097	9955115	9473685	10105263
7	811939	2	19	100	1655	1874	0	10141820	10105264	10736842
8	635172	1 3	9	60 65	1353	0	0	10957288	10736843	11368421 12000000
9 tal numb 	er of pulses in	a waveform = :	18 37 	65 *******	1920 	1659 ****	1775	11593813	11368422	12000000
					5 Radar W		10			
				.,,,,,	, Itaaa	uroron				
weform No m of Bur: rst Inter		1909								
ırst	Off Time (us) 783229	# Pulses	Chirp (MHz)	P₩ (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst I Interval(us)	End Burst Interval(us)
		1	12	75	1059	0	0	783229	0	1090908
	1137166	1	20	95	1001	0	0	1921454	1090909	2181817
	1120760									
	966781	2	13	50	1338	1726	0	3043215	2181818	3272726
	421035	1	6	100	1750	0	0	4013060	3272727	4363635
		1	8	65	1289	0	0	4435845	4363636	5454544
	1591926	1	10	55	1720	0	0	6029060	5454545	6545453
	586665									
	1606167	2	10	95	1461	1236	0	6617445	6545454	7636362
	1376912	2	19	70	1281	1822	0	8226309	7636363	8727271
	1010912	1	13	100	1182	0	0	9606324	8727272	9818180
0	639836	3	7	70	1616	1585	1015	10247342	9818181	10909089
o 1	639836 841724	3 1	7 8	70 60	1616 1465	1585 0	1015 0	10247342 11093282	9818181 10909090	10909089 11999998

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				Type	5 Radar V	Vaveforn	n_11			
veform N	Num = 11									
m of Bur rst Inte	rsts = 8 erval (us)= 1500	0000								
ırst	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	869080	2	14	85	1828	1412	0	869080	0	1499999
	1788969	1	19	60	1745	0	0	2661289	1500000	2999999
	1532375									
	323459	2	8	55	1525	1007	0	4195409	3000000	4499999
	1542731	2	15	50	1890	1738	0	4521400	4500000	5999999
	2658442	3	12	80	1564	1018	1132	6067759	6000000	7499999
		2	18	65	1090	1958	0	8729915	7500000	8999999
	397864	1	12	50	1949	0	0	9130827	9000000	10499999
	1394493	3	17	55	1847	1957	1585	10527269	10500000	11999999
	ber of pulses in	n waveform = 1	16				2000	2002.200	2000000	1100000
1-1-1-1-1-1-1						H T -				
				Type	5 Radar V	Vaveforn	n 12			
				Турс	J Madai V	Vaveloili	1_14			
m of Bur	Num = 12 rsts = 11 erval (us)= 1090	909								
rst	Off Time (us)	# Pulses	Chirp (MHz)	PW (ug)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc	Start Burst Interval(us)	End Burst Interval(us)
	636296	ruises 3	(mrz) 6	(us) 90	1050	1959	1236	(us) 636296	O (us)	1090908
	1410131	2	20	60	1997	1192	0	2050672	1090909	2181817
	648749	3	15	65	1589	1190	1937	2702610	2181818	3272726
	710572	1	20	55	1519	0	0	3417898	3272727	4363635
	1557753	1	10	65	1320	0	0	4977170	4363636	5454544
	1091032	3	9	80	1678	1681	1635	6069522	5454545	6545453
	983654	1	13	90	1261	0	0	7058170	6545454	7636362
	1524643	3	18	80	1641	1572	1373	8584074	7636363	8727271
	383663	2	19	95	1119	1222	0	8972323	8727272	9818180
)	1523016	3	11	85	1125	1813	1001	10497680	9818181	10909089
l h-1	1106554	2	16	80	1242	1833	0	11608173	10909090	11999998
al numb	ber of pulses in	n waveform = 2 Helelelelelelelelelelelelelelelelelelel	/4 			e:				
				Type	5 Radar V	Vaveforn	1_13			
reform I	Num = 13									
n of Bur rst Inte	rsts = 15 erval (us)= 8000 Off Time	000	Ch:	PW	Pulse 1	Pulse 2	Pulse 3	C+c+ T :	Start Burst	End Burst
rst	(us) 660611	# Pulses	Chirp (MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	Start Loc (us)	Interval (us) Interval(us)
	348990	1	9	75 50	1030	0	0	660611	0	799999
	1316081	2	5 6	50 65	1289 1242	1783 1224	0	1010631 2329784	800000 1600000	1599999 2399999
	815320	1	7	100	1911	0	0	3147570	2400000	3199999
	183011 1112532	2	14	100	1202	1878	0	3332492	3200000	3999999
	397379	1	6	75	1589	0	0	4448104	4000000	4799999
	1470410	3	8 18	80 70	1773 1247	1713 1965	1088 1371	4847072 6322056	4800000 5600000	5599999 6399999
	861486	3	20	65	1516	1162	1071	7188125	6400000	7199999
		3	15	65	1261	1134	1102	7494699	7200000	7999999
o	302825 1118716			95	1291	0	0	8616912	8000000	8799999
1	302825 1118716 371761	1	6							
1 2	1118716	3	20	85	1036	1643	1821	8989964	8800000	9599999
0 1 2 3 4	1118716 371761					1643 0 1255	1821 0 1587	8989964 9676113 11093096	8800000 9600000 10400000	9599999 10399999 11199999

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				Type !	5 Radar W	aveform	_14			
aveform N um of Bur		000								
ırst	Off Time	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	490307	2	11	80	1200	1903	0	490307	0	1199999
	993949	2	7	70	1162	1884	0	1487359	1200000	2399999
3	1754811	2	15	85	1415	1823	0	3245216	2400000	3599999
1	771511	1	6	60	1276	0	0	4019965	3600000	4799999
	827057	1	13	50	1886	0	0	4848298	4800000	5999999
	1322637	3	10	90	1269	1484	1053	6172821	6000000	7199999
	1907703					0	0			
	1006347	1	8	50	1130	•		8084330	7200000	8399999
	1577053	1	16	65	1975	0	0	9091807	8400000	9599999
	299758	3	20	60	1932	1853	1323	10670835	9600000	10799999
.0 tal numb	er of pulses in	1 waveform = 1	.7	100	1491	0	0	10975701	10800000	11999999
*******				101010101010101010		**				
				Type 5	5 Radar W	/aveform	_15			
aveform I	rsts = 13									
durst Inte durst	erval (us)= 9230 Off Time	#	Chirp	Р₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
1	(us) 284605	Pulses 3	(MHz) 20	(us) 75	Pri (us) 1475	Pri(us) 1037	Pri(us) 1758	(us) 284605	Interval (us)	Interval (us) 923076
2	1372935	3	18	65	1405	1689	1291	1661810	923077	1846153
	730716	1	7	50	1179	0	0	2396911	1846154	2769230
	936936	3	14	60	1212	1762	1339	3335026	2769231	3692307
i	1080934	3	19	65	1477	1666	1589	4420273	3692308	4615384
3	725088 814586	3	7	95	1376	1445	1131	5150093	4615385	5538461
7	1113916	1	11	85	1962	0	0	5968631	5538462	6461538
3	337282	1	16	100	1339	0	0	7084509	6461539	7384615
9	1682378	3	5	95	1800	1604	1557	7423130	7384616	8307692
10	656199	1	14	90	1768	0	0	9110469	8307693	9230769
11	536359	2	16	55	1042	1694	0	9768436	9230770	10153846
12	1498834	3	6	70	1331	1106	1886	10307531	10153847	11076923
13 otal numb **********	ber of pulses in	2 n waveform = 2 	15 29 विवयंग्यंग्यंग्यंग्यंग्यं	50 131333333333	1595 	1694 +∗	0	11810688	11076924	12000000
				Type !	5 Radar W	laveform	16			
aveform N	Num = 16			-71						
	erval (us)= 1200	0000								
urst	Off Time (us)	# Pulses	Chirp (MHz)	P₩ (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	787758	2	10	50	1039	1394	0	787758	0	1199999
2	755930	1	15	90	1508	0	0	1546121	1200000	2399999
3	1796531	2	11	75	1932	1129	0	3344160	2400000	3599999
1	977831	1	5	95	1688	0	0	4325052	3600000	4799999
5	488065	3	6	50	1866	1746	1495	4814805	4800000	5999999
3	1488759	2	6	60	1633	1269	0	6308671	6000000	7199999
7	1183515	1	7	90	1532	0	0	7495088	7200000	8399999
' 3	1577568	1	10	70	1251	0	0	9074188	8400000	9599999
	1117642									
9	1729907	1	17	55	1016	0	0	10193081	9600000	10799999
10	110001	2	6	85	1843	1997	0	11924004	10800000	11999999

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				Type :	5 Radar W	laveform	_17			
veform Nu m of Burs	sts = 18									
rst Inter rst	rval (us)= 6666 Off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
15.	(us) 638662	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
	562557	2	11	95	1505	1969	0	638662	0	666666
	724272	2	8	65	1841	1303	0	1204693	666667	1333333
	543061	3	17	80	1608	1620	1878	1932109	1333334	2000000
	555977	2	14	80	1112	1732	0	2480276	2000001	2666667
	304914	2	19	100	1512	1389	0	3039097	2666668	3333334
	1267148	2	6	55	1736	1874	0	3346912	3333335	4000001
	102696	1	18	100	1813	o	0	4617670	4000002	4666668
	834974	2	15	65	1350	1701	0	4722179	4666669	5333335
	936480	3	11	100	1208	1815	1555	5560204	5333336	6000002
	644132	3	15	75	1376	1700	1794	6501262	6000003	6666669
	292982	3	16	100	1991	1501	1773	7150264	6666670	7333336
	820481	3	14 19	85	1636	1265	1939	7448511 8273832	7333337	8000003
	1000774	3		100	1352	1891	1554	9279403	8000004	8666670
	535148	1	17 14	75 65	1702 1337	0	0	9279403	8666671 9333338	9333337
	235535	2	14 11	65 50	1337	1970	0	9816253 10053125	10000005	10000004
	909185	2	9	70	1428	1220	0	10063126	10000005	11333338
	493512	3	19	70 85	1704	1220	1775	11461590	11333339	12000005
al numbe	er of pulses in	waveform = 4	40		1104		20	11401090	11000000	1200000
				Type :	5 Radar W	aveform	18			
eform No of Bur: st Inte	um = 18 sts = 17 rval (us)= 7058	382								
st	Off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 276475	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
	979068	3	10	60	1327	1178	1991	276475	0	705881
	173112	3	19	55	1105	1314	1982	1260039	705882	1411763
	1098786	3	9	75	1174	1133	1514	1437552	1411764	2117645
	530252	1	15	90	1155	0	0	2540159	2117646	2823527
	1062420	1	17	60	1064	0	0	3071566	2823528	3529409
	1062420	3	8	90	1743	1358	1487	4135050	3529410	4235291
	1342934	2	6	80	1722	1302	0	4283832	4235292	4941173
	1342934 520274	3	17	75	1434	1052	1541	5629790	4941174	5647055
	520274 643477	1	16	75	1273	0	0	6154091	5647056	6352937
		3	5	100	1481	1267	1567	6798841	6352938	7058819
	842034	3	5	50	1008	1343	1179	7645190	7058820	7764701
	792311	1	16	70	1214	0	0	8441031	7764702	8470583
	160627	3	5	55	1385	1001	1592	8602872	8470584	9176465
	1086281	1	17	80	1703	0	0	9693131	9176466	9882347
	365337	2	13	65	1330	1599	0	10060171	9882348	10588229
	750487	2	14	90	1336	1057	0	10813587	10588230	11294111
	757300	2	17	65	1995	1370	0	11573280	11294112	11999993
al numb	er of pulses in		37		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Ŭ	11010200	11034110	11000000
				Type	5 Radar W	/aveform	19			
eform Nu	ım = 19			.,,,,,,						
of Burs st Inter	sts = 16 rval (us)= 7500		_							
st	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	500509	2	17	50	1863	1699	0	500509	0	749999
	375936	3	8	85	1020	1264	1231	880007	750000	1499999
	1156164	1	20	65	1233	0	0	2039686	1500000	2249999
	668732	2								
	455795		15	50	1554	1193	0	2709651	2250000	2999999
	1103534	1	16	70	1617	0	0	3168193	3000000	3749999
	712029	1	7	55	1725	0	0	4273344	3750000	4499999
		1	14	95	1952	0	0	4987098	4500000	5249999
		1	7	70	1247	0	0	5592184	5250000	5999999
	603134	_	7	90	1971	1167	1638	6361282	6000000	6749999
	603134 767851	3				1320	1974	6867798	6750000	7499999
	603134 767851 501740		19	65	1756					
	603134 767851 501740 678779	3		65 95	1756 1396	1103	0	7551627	7500000	8249999
	603134 767851 501740 678779 982310	3 3	19		1396	1103 1383	0 1372			8249999 8999999
	603134 767851 501740 678779	3 3 2 3	19 19 15	95 55	1396 1662	1383	1372	8536436	8250000	8999999
	603134 767851 501740 678779 982310	3 3 2 3 1	19 19 15 15	95 55 55	1396 1662 1724	1383 0	1372 0	8536436 9338639	8250000 9000000	899999 9749999
	603134 767851 501740 678779 982310 797786	3 3 2 3 1 3	19 19 15 15	95 55 55 80	1396 1662 1724 1931	1383 0 1296	1372 0 1220	8536436 9338639 10363961	8250000 9000000 9750000	8999999 9749999 10499999
	603134 767851 501740 678779 982310 797786 1023598	3 3 2 3 1	19 19 15 15	95 55 55	1396 1662 1724	1383 0	1372 0	8536436 9338639	8250000 9000000	899999 9749999

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				Type 5	Radar W	aveform	_20			
aveform Nu um of Burs	um = 20 sts = 12 rval (us)= 1000	000								
urst	Off Time	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	818563	3	17	60	1096	1751	1696	818563	0	999999
	434670									
	945517	2	12	95	1324	1159	0	1257776	1000000	1999999
	1255226	2	11	70	1040	1657	0	2205776	2000000	2999999
	1093239	1	20	70	1231	0	0	3463699	3000000	3999999
	765565	1	5	80	1809	0	0	4558169	4000000	4999999
		3	15	100	1718	1635	1234	5325543	5000000	5999999
	949950	2	17	55	1982	1700	0	6280080	6000000	6999999
	1607555	1	9	55	1036	0	0	7891317	7000000	7999999
	508372	2	9	75	1890	1536	0	8400725	8000000	8999999
0	1221037	_	7							
0	757691	3		60	1063	1048	1147	9625188	9000000	9999999
1	794785	1	15	100	1795	0	0	10386137	10000000	10999999
2 tal numbe	er of pulses in	2 waveform = 2	20	75	1728	1003	0	11182717	11000000	11999999
*********	***************************************	******************				*				
				Type 5	Radar W	aveform	_21			
weform N	Tum = 21									
ırst Inte: ırst	erval (us)= 631 Off Time (us)	#	Chirp (MHz)	PW	Pulse 1 Pri(us)	Pulse 2	Pulse 3	Start Loc	Start Burs Interval (u	t End Burst s) Interval(u
	(us) 290772	Pulses		(üs)		Pri(us)	Pri(us)	Start Loc (us)		
	726384	1 2	13 11	50 65	1687 1891	0 1313	0	290772 1018843	o 631579	631578 1263157
	726828	3	13	85	1203	1472	1215	1748875	1263158	1894736
	316670	2	11	90	1285	1892	0	2069435	1894737	2526315
	498250	3	7	60	1434	1899	1766	2570862	2526316	3157894
	731116 877412	2	20	100	1188	1032	0	3307077	3157895	3789473
	330997	3	5	70	1582	1326	1312	4186709	3789474	4421052
	833301	1	8	55	1752	0	0	4521926	4421053	5052631
0	376765	2	5	75	1037	1072	0	5356979	5052632	5684210
0	1122309	2	8 9	95 50	1645 1477	1123 1307	0	5735853 6860930	5684211 6315790	6315789 6947368
2	708879	3	12	100	1286	1889	1471	7572593	6947369	7578947
3	348389	1	17	75	1062	0	0	7925628	7578948	8210526
4	753494	3	20	50	1884	1009	1122	8680184	8210527	8842105
5	548465 804321	2	12	75	1401	1535	0	9232664	8842106	9473684
6	668920	1	19	70	1095	0	0	10039921	9473685	10105263
7	618749	1	13	65	1822	0	0	10709936	10105264	10736842
8	653944	1	20	85	1857	0	0	11330507	10736843	11368421
9 tal numb 	er of pulses i	n waveform =	16 36 **********************************	55	1356 ************	·	0	11986308	11368422	12000000
				Type 5	Radar W	aveform	_22			
veform No m of Bur: rst Inte:	fum = 22 sts = 19 srval (us)= 631	579								
rst	Off Time	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burs Interval(u	
	(us) 273824	2	17	60	1177	1705	0	273824	0	631578
	905950	1	5	75	1401	0	0	1182656	631579	1263157
	248352 690870	3	14	70	1144	1347	1935	1432409	1263158	1894736
	553358	3	8	100	1313	1516	1467	2127705	1894737	2526315
	521154	1	15	50	1069	0	0	2685359 3207582	2526316 3157895	3157894
		2	9 20	80 75	1920 1501	1296 1030	0	3207582 4297066	3157895 3789474	3789473 4421052
	1086268	~	20	80	1335	0	0	4615035	4421053	4421062 5052631
	315438	1	11		1075	0	0	5401913	5052632	5684210
	315438 785543	1	11 12	55	10.19					
	315438 785543 377366			55 90	1535	1257	0	5780354	5684211	6315789
0	315438 785543 377366 892515	1	12				0	5780354 6675661	5684211 6315790	6315789 6947368
o 1	315438 785543 377366 892515 735278	1 2	12 19	90	1535	1257				
o 1 2 3	315438 785543 377366 892515	1 2 1 1	12 19 20 5 17	90 65 80 55	1535 1270 1223 1210	1257 0 0	o o	6675661 7412209 7652216	6315790 6947369 7578948	6947368 7578947 8210526
	315438 785543 377366 892515 735278 238784	1 2 1 1 3	12 19 20 5 17	90 65 80 55 95	1535 1270 1223 1210 1491	1257 O O O 1920	0 0 0 1752	6675661 7412209 7652216 8267462	6315790 6947369 7578948 8210527	6947368 7578947 8210526 8842105
0 1 2 3 4	315438 785543 377366 892515 735278 238784 614036	1 2 1 1 3	12 19 20 5 17 19 7	90 65 80 55 95	1535 1270 1223 1210 1491 1962	1257 0 0 0 1920 0	0 0 0 1752 0	6675661 7412209 7652216 8267462 8935668	6315790 6947369 7578948 8210527 8842106	6947368 7578947 8210526 8842105 9473684
0 1 2 3 4 5 5 6 6 7	315438 785643 377366 892515 735278 238784 614036 663043 895663 746472	1 2 1 1 3	12 19 20 5 17	90 65 80 55 95	1535 1270 1223 1210 1491	1257 O O O 1920	0 0 0 1752	6675661 7412209 7652216 8267462 8935668 9833283	6315790 6947369 7578948 8210527 8842106 9473685	6947368 7578947 8210526 8842105 9473684 10105263
	315438 785543 377366 892515 735278 238784 614036 663043 895653	1 2 1 1 3 1	12 19 20 5 17 19 7	90 65 80 55 95 100 70	1535 1270 1223 1210 1491 1962 1925	1257 0 0 0 1920 0 1135	0 0 0 1752 0 1307	6675661 7412209 7652216 8267462 8935668	6315790 6947369 7578948 8210527 8842106	6947368 7578947 8210526 8842105 9473684

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				Type	5 Radar V	laveform	1_23			
reform N	fum = 23 sts = 18 crval (us)= 666			•						
		667	Chirm	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Stort Burs	- End Burgs
rst	Off Time (us) 402592	# Pulses	Chirp (MHz)	(us)	Pulse 1 Pri(us)	Pri(us)	Pri(us)	Start Loc (us)	Start Burs Interval (u	s) Interval(us
	402592 677000	3	13	85	1534	1650	1487	402592	0	666666
	880088	3	9	80	1525	1708	1783	1084263	666667	1333333
	620813	1	10	75	1740	0	0	1969367	1333334	2000000
	485766	1	14	100	1287	0	0	2591920	2000001	2666667
	486772	2	20	85	1399	1246	0	3078973	2666668	3333334
	1061684	3	6	50	1994	1883	1325	3568390	3333335	4000001
	285425	1	11	60	1347	0	0	4635276	4000002	4666668
	730478	3	18	90	1392	1301	1985	4922048	4666669	5333335
	603840	3	6	60	1080	1431	1075	5657204	5333336	6000002
	701337	3	15	75	1882	1818	1854	6264630	6000003	666669
	875229	1	5	90	1357	0	0	6971521	6666670	7333336
	653392	1	10	85	1370	0	0	7848107	7333337	8000003
	621800	2	18	85	1902	1167	0	8502869	8000004	8666670
	219637	1 3	14 15	100	1820 1980	1785	1925	9127738 9349195	8666671 9333338	9333337
	677196	2	19	90	1143	1786	0	10032081	10000005	10000004
	1128895	2	17	100	1352	1410	0	11163897	10666672	11333338
	821048	2	20	95	1352	1410	0	11163897	11333339	12000005
al numb	er of pulses i	n waveform =	37		1453		ŭ	11561101	11000009	12000008
				Type	5 Radar W	lavotorm	24			
				туре	J Nauai V	aveioiii	1_44			
eform Nu of Bur:	um = 24 sts = 10 rval (us)= 1200	1000								
		#	<i>a</i> :	TOW	D 1 - 1	D-1 0	D-1 0	C1 1 I	C	F-1 P
st	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	622560									
	4.045004	2	12	65	1957	1907	0	622560	0	1199999
	1645081	3	15	75	1441	1040	1228	2271505	1200000	2399999
	420372									
	1700504	2	18	90	1509	1363	0	2695586	2400000	3599999
	1780524	1	17	60	1883	0	0	4478982	3600000	4799999
	1425423									
		1	5	50	1876	0	0	5906288	4800000	5999999
	1283688	2	14	75	1941	1424	0	7191852	6000000	7199999
	1141483						•			
	998182	1	9	80	1094	0	0	8336700	7200000	8399999
	220104	3	8	75	1205	1716	1921	9335976	8400000	9599999
	1092378									
	440908	3	14	65	1449	1061	1720	10433196	9600000	10799999
	440806	2	10	95	1375	1501	0	10878232	10800000	11999999
al numbe	er of pulses in	waveform = 2	0							
				Туре	5 Radar V	aveform	1_25			
eform No	um = 25 sts = 13									
st Inte	rval (us)= 9230		<i>a</i>	P -144				a		
st	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	814629	1	9	75	1671	0	0	814629	0	923076
	262998									
	1656663	2	20	55	1626	1065	0	1079298	923077	1846153
	764401	3	15	80	1821	1122	1948	2738652	1846154	2769230
		2	6	80	1444	1055	0	3507944	2769231	3692307
	242010	1	12	100	1411	0	0	3752453	3692308	4615384
	1264895	2								
	585290		10	85	1499	1293	0	5018759	4615385	5538461
	1226287	2	16	60	1230	1904	0	5606841	5538462	6461538
		3	12	70	1858	1374	1476	6836262	6461539	7384615
	1346515	2	6	60	1907	1996	0	8187485	7384616	8307692
			17	50	1595	1878	1762	8629389	8307693	9230769
	438001	3								
	438001 879513	_	-	or.	1070	1,444	0			
		2	5	85	1079	1444	0	9514137	9230770	10153846
	879513 692975	_	5 10	85 80	1079 1074	1444 0	0	9514137 10209635	9230770 10153847	10153846 11076923
	879513	2 1 2	10 12							

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				Type :	5 Radar W	laveform	1_26			
eform N	= 26									
of Bur:	num = 26 sts = 10 crval (us)= 1200	2000								
st inter	Off Time	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	1003727	2	19	95	1151	1019	0	1003727	0	1199999
	1121704	3	14	65	1203	1096	1790	2127601	1200000	2399999
	368959									
	1901195	1	8	90	1405	0	0	2500649	2400000	3599999
	1475702	2	9	80	1911	1012	0	4403249	3600000	4799999
	722395	3	14	95	1904	1389	1349	5881874	4800000	5999999
		3	9	85	1371	1387	1221	6608911	6000000	7199999
	1775362	3	14	95	1794	1404	1624	8388252	7200000	8399999
	389583	1	7	70	1616	0	0	8782657	8400000	9599999
	1797844		·	95		0	0			
	548718	1	6		1575			10582117	9600000	10799999
1 numb	er of pulses in	3 n waveform = 2	15 22	50	1024	1237	1734	11132410	10800000	11999999
				************		**				
				Type :	5 Radar W	Javeform	27			
				ישקני	J Rudui I.	1410.01				
form N	Jum = 27									
of Dun.	sts = 12 rval (us)= 1000	0000								
:t	Off Time	#	Chirp	PW (we)	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 662374	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	
	637828	3	11	85	1820	1346	1422	662374	0	999999
	1358997	1	15	55	1619	0	0	1304790	1000000	1999999
	1136139	3	19	70	1237	1577	1034	2665406	2000000	2999999
	468977	2	6	80	1355	1823	0	3805393	3000000	3999999
		3	5	60	1512	1927	1648	4277548	4000000	4999999
	1239443	3	12	90	1986	1047	1728	5522078	5000000	5999999
	905245	1	10	55	1436	0	0	6432084	6000000	6999999
	1147340	3	12	100	1503	1819	1185	7580860	7000000	7999999
	1250905	2	20	100	1113	1847	0	8836272	8000000	8999999
	1031795	2	7	50	1546	1672	0	9871027	9000000	9999999
	713625						-			
	1064954	1	9	95	1052	0	0	10587870	10000000	10999999
ıl numb	er of pulses in	3 n waveform = 3	12 27	65	1863	1938	1746	11653876	11000000	11999999
-10101010101	***************************************		***********	***************************************		**				
				Type !	5 Radar W	/aveform	1_28			
eform No	fum = 28 sts = 17									
st Inter	rval (us)= 7058 Off Time	82 #	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst E	End Burst
st	(us) 123393	# Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval(us) I	Interval (us)
	813661	3	9	55	1120	1681	1460	123393	0	705881
	789785	2	17 14	60 65	1886 1977	1440 0	0	941315 1734426		1411763 2117645
	897447	1	14 16	80	1977	0	0	1734426 2633850	2117646	2823527
	461168	3	13	65	1676	1312	1990	3096510		3529409
	555673 1148595	1	17	80	1890	0	0	3657161		4235291
	710490	2	10	90	1999	1482	0	4807646		4941173
	449444	2	6	80	1378	1223	0	5521617	4941174	5647055
	728005	1	20 6	90 95	1400 1590	0	0	5973662 6703067	5647056 6352938	6352937 7058819
		2	10	95 90	1590	0 1496	0	6703067 7457274		7058819
	752617	_	16	70	1749	1443	0	7795645		8470583
	335650	2			1750	1628	0	9034374		9176465
	335650 1235537	2 2	11	95	2100					
	335650 1235537 564873		11 13	95 65	1307	1804	0	9602625	9176466	9882347
	335650 1235537	2 2 2	13 9	65 55	1307 1917	1789	0	9940565	9882348	10588229
	335650 1235537 564873 334829	2 2	13	65	1307				9882348 10588230	

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				Type :	5 Radar W	vaverorm	1_29			
um of Bu	Num = 29 rsts = 12 erval (us)= 1000	000								
ırst	Off Time (us) 843507	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	819710	2	16	95	1588	1593	0	843507	0	999999
	1036151	2	19	65	1620	1219	0	1666398	1000000	1999999
	539922	1	13	80	1258	0	0	2705388	2000000	2999999
	755488	3	20	55	1762	1596	1451	3246568	3000000	399999
	1846987	2	20	65	1209	1216	0	4006865	4000000	4999999
	760775	2	11	75	1603	1298	0	5856277	5000000	5999999
	1019506	3	11	100	1482	1190	1466	6619953	6000000	6999999
	1207005	2	17	80	1607	1899	0	7643597	7000000	7999999
	1106936	2	20	50	1939	1764	0	8854108	8000000	8999999
)	155727	1	12	70	1492	0	0	9964747	9000000	9999999
L	943990	1	10	55	1040	0	0	10121966	10000000	10999999
2		2	11	65	1923	1251	0	11066996	11000000	11999999
tal num	ber of pulses in		:3 				20			
tal num	ber of pulses in	wavelorm - 2	3		5 Radar W		n_30			
veform m of Bu	Num = 30 ursts = 9 erval (us)= 133; Off Time (us)		Chirp				n_30 Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us
reform n of Bu	Num = 30 ursts = 9 erval (us)= 1333	**************************************	Chirp	Type (5 Radar W	Vaveform	Pulse 3			
reform n of Bu	Num = 30 ursts = 9 erval (us)= 133; Off Time (us)	######################################	Chirp (MHz)	Pw (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us) O	(us) 679871	Interval (us) 0	Interval (us 1333332
reform n of Bu	Num = 30 ursts = 9 erval (us) = 1333 Off Time (us) = 679871	3333 # Pulses 2 3	Chirp (MH2) 13	Pw (us) 50 65	Pulse 1 Pri(us) 1558 1869	Pulse 2 Pri(us) 1277 1674	Pulse 3 Pri(us) 0 1206	(us) 679871 1933341	Interval (us) 0 1333333	Interval (us 1333332 266665
veform n of Bu	Num = 30 rsts = 9 rerval (us)= 1333 Off Time (us) 679871 1250635	######################################	Chirp (MHz) 13 9 6	Pw (us) 50 65 90	Fulse 1 Pri(us) 1558 1869 1823	Pulse 2 Pri(us) 1277 1674	Pulse 3 Pri(us) 0 1206	(us) 679871 1933341 3029174	Interval (us) 0 1333333 2666666	Interval (us 1333332 2666665 3999998
veform n of Bu	Num = 30 rsts = 9 rerval (us)= 1333 Off Time (us) 679871 1250635 1091084	3333 # Pulses 2 3 1	Chirp (MHz) 13 9 6 13	Pw (us) 50 65 90 55	Pulse 1 Pri (us) 1558 1869 1823 1413	Pulse 2 Pri(us) 1277 1674 0	Pulse 3 Pri(us) 0 1206 0	(us) 679871 1933341 3029174 4672337	Interval (us) 0 1333333 2666666 3999999	Interval (us 1333332 2666665 3999998 5333331
reform n of Bu	Num = 30 rsts = 9 erval (us) = 1333 Off Time (us) 679871 1250635 1091084 1641340 1657929	######################################	Chirp (MHz) 13 9 6	Pw (us) 50 65 90	Fulse 1 Pri(us) 1558 1869 1823	Pulse 2 Pri(us) 1277 1674	Pulse 3 Pri(us) 0 1206	(us) 679871 1933341 3029174	Interval (us) 0 1333333 2666666	Interval (us 1333332 2666665 3999998
reform n of Bu	Num = 30 rsts = 9 erval (us)= 133; Off Time (us) 679871 1250635 1091084 1641340 1657929 783727	3333 # Pulses 2 3 1	Chirp (MHz) 13 9 6 13	Pw (us) 50 65 90 55	Pulse 1 Pri (us) 1558 1869 1823 1413	Pulse 2 Pri(us) 1277 1674 0	Pulse 3 Pri(us) 0 1206 0	(us) 679871 1933341 3029174 4672337	Interval (us) 0 1333333 2666666 3999999	Interval (us 1333332 2666665 3999998 5333331
veform n of Bu	Num = 30 ursts = 9 erval (us)= 133: Off Time (us) 679871 1250635 1091084 1641340 1657929 783727 1553094	3333 # Pulses 2 3 1 1 1 1	Chirp (MHz) 13 9 6 13	PW (us) 50 65 90 55 80	Fulse 1 Pri(us) 1558 1869 1823 1413 1106	Pulse 2 Pri(us) 1277 1674 0	Pulse 3 Pri(us) 0 1206 0	(us) 679871 1933341 3029174 4672337 6331679	Interval (us) 0 1333333 2666666 3999999 5333332	Interval (us 1333332 2666665 3999998 5333331 6666664
veform n of Bu	Num = 30 rsts = 9 erval (us)= 133; Off Time (us) 679871 1250635 1091084 1641340 1657929 783727	3333 # Pulses 2 3 1 1 1 1 1	Chirp (MHz) 13 9 6 13 7	PW (us) 50 65 90 55 80 65	Fulse 1 Pri(us) 1558 1869 1823 1413 1106 1137	Pulse 2 Pri(us) 1277 1674 0 0	Pulse 3 Pri(us) 0 1206 0 0	(us) 679871 1933341 3029174 4672337 6331679 7116512	Interval (us) 0 1333333 26666666 3999999 5333332 66666665	Interval (us 1333332 2666665 399998 5333331 6666664 7999997
veform m of Bu rst Int	Num = 30 ursts = 9 erval (us)= 133: Off Time (us) 679871 1250635 1091084 1641340 1657929 783727 1553094	3333 # Pulses 2 3 1 1 1 3	Chirp (MHz) 13 9 6 13 13 7 20	PW (us) 50 65 90 55 80 65 75	Pulse 1 Pri(us) 1558 1869 1823 1413 1106 1137	Pulse 2 Pri(us) 1277 1674 0 0 0	Pulse 3 Pri(us) 0 1206 0 0 0	(us) 679871 1933341 3029174 4672337 6331679 7116512 8670743	Interval (us) 0 1333333 2666666 3999999 5333332 6666665 7999998	Interval (us 1333332 2666665 399998 5333331 6666664 7999997 9333330

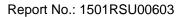
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Radar Type 6 - Radar Statistical Performance

Trail #	Test Freq.	1=Detection	Trail #	Test Freq.	1=Detection
	(MHz)	0=No Detection		(MHz)	0=No Detection
1	5300	1	16	5300	1
2	5300	1	17	5300	1
3	5300	1	18	5300	1
4	5300	1	19	5300	1
5	5300	1	20	5300	1
6	5300	1	21	5300	1
7	5300	1	22	5300	1
8	5300	1	23	5300	1
9	5300	1	24	5300	1
10	5300	1	25	5300	1
11	5300	1	26	5300	1
12	5300	1	27	5300	1
13	5300	1	28	5300	1
14	5300	1	29	5300	1
15	5300	1	30	5300	1
	Det	ection Percentage	(%)		100%

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F	Radar waveform #	1	F	Radar waveform #	2
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
6	5317	18	3	5297	9
11	5304	33	12	5296	36
59	5299	177	17	5307	51
70	5287	210	21	5274	63
75	5315	225	27	5303	81
80	5316	240	29	5329	87
83	5308	249	31	5316	93
90	5310	270	36	5287	108
			38	5298	114
			41	5279	123
			45	5272	135
			47	5327	141
			51	5282	153
			77	5310	231
			78	5289	234
			92	5314	276



F	Radar waveform #	3	F	Radar waveform #	4
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
0	5289	0	1	5309	3
1	5327	3	10	5288	30
6	5291	18	12	5277	36
18	5274	54	20	5287	60
32	5306	96	38	5316	114
43	5283	129	43	5295	129
51	5322	153	71	5276	213
81	5298	243	73	5302	219
86	5320	258	75	5281	225
			82	5271	246
			90	5307	270
			92	5283	276
			94	5293	282

F	Radar waveform #	5	F	Radar waveform #	6
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
7	5311	21	7	5277	21
18	5293	54	9	5314	27
26	5296	78	19	5324	57
37	5303	111	24	5329	72
45	5312	135	29	5306	87
52	6306	156	33	5276	99
66	5308	198	36	5330	108
78	5321	234	43	5289	129
82	5327	246	48	5304	144
86	5304	258	67	5270	201
92	5279	276	71	5288	213
99	5289	297	81	5281	243
			89	5272	267
			91	5316	273

Radar waveform #7 Radar waveform #8

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Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
8	5276	24	7	5279	21
23	5304	69	15	5294	45
28	5305	84	19	5298	57
30	5311	90	25	5325	75
45	5280	135	33	5316	99
47	8270	141	35	5283	105
48	5310	144	36	5324	108
49	5306	147	44	5312	132
51	5275	153	45	5304	135
58	5274	174	47	5270	141
67	5314	201	52	5308	156
70	5329	210	64	5275	192
75	5313	225	67	5289	201
76	5278	228	76	5317	228
81	5271	243	89	5301	267
92	5281	276	91	5285	273





F	Radar waveform #9			Radar waveform #10		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
12	5299	36	6	5293	18	
20	5319	60	8	5330	24	
28	5287	84	11	5306	33	
33	5270	99	12	5324	36	
41	5311	123	17	5302	51	
44	5285	132	18	5320	54	
55	5303	165	19	5299	57	
93	5273	279	25	5321	75	
97	5312	291	45	5310	135	
			65	5308	195	
			55	5287	165	
			56	5327	168	
			61	5301	183	
			78	5279	234	
			90	5289	270	
			96	5286	288	
			97	5329	291	



R	Radar waveform #11			Radar waveform #12		
Hopping	Frequency	Pulse Start (ms)	Frequency	Hopping	Pulse Start (ms)	
Number	(MHz)		(MHz)	Number		
7	5312	21	11	5277	33	
10	5285	30	18	5320	54	
42	5294	126	19	5328	57	
48	5309	144	20	5282	60	
73	5313	219	25	5318	75	
81	5292	243	40	5296	120	
92	5293	276	47	5330	141	
94	5307	282	51	5329	153	
			56	5281	168	
			58	5290	174	
			60	5285	180	
			82	5305	246	
			86	5286	258	

Radar waveform #13			Radar waveform #14		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
1	5307	3	10	5277	30
6	5299	18	21	5288	63
12	5295	36	30	5297	90
14	5313	42	31	5307	93
24	5306	72	35	5279	105
30	5285	90	42	5290	126
49	5315	147	43	5293	129
60	5303	180	45	5313	135
77	5287	231	57	5280	171
78	5323	234	61	5324	183
80	5288	240	71	5295	213
81	5318	243	95	5316	285
97	5283	291	-		

Radar waveform #15	Radar waveform #16
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Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
16	5308	48	2	5286	6
27	5307	81	5	5285	15
31	5272	93	14	5281	42
32	5298	96	23	5323	69
44	5317	132	24	5300	72
51	5290	153	25	5324	75
52	5302	156	33	5293	99
57	5316	171	41	5309	123
61	5286	183	42	5274	126
62	5306	186	52	5278	156
64	5311	192	54	5278	162
72	5321	216	56	5295	168
73	5284	219	62	5320	186
74	5328	222	71	5322	213
89	5325	267			

R	adar waveform #1	17	Radar waveform #18		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
12	5318	36	5	5273	15
23	5289	69	9	5288	27
24	5282	72	16	5272	48
54	5307	162	32	5314	96
61	5276	183	33	5307	99
85	5288	255	50	5283	150
87	5298	261	51	5293	153
			52	5311	156
			55	5295	165
			73	5296	219
			81	5282	243
			84	5287	252
			99	5306	297
R	adar waveform #1	19	Radar waveform #20		20
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	

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1	5311	3	0	5319	0
7	5308	21	5	5310	15
13	5320	39	6	5283	18
14	5271	42	18	5302	54
59	5293	177	31	5329	93
61	5305	183	52	5285	156
86	5274	258	53	5303	159
97	5284	291	61	5315	183
			69	5312	207
			72	5298	216
			76	5299	228
			77	5230	231

R	Radar waveform #21			Radar waveform #22		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)	
0	5305	0	9	5285	27	
23	5303	69	30	5315	90	
24	5304	72	31	5313	93	
27	5293	81	50	5284	150	
43	5319	129	51	5270	153	
64	5299	192	53	5307	159	
83	5316	249	55	5308	165	
87	5289	261	57	5324	171	
97	5291	291	60	5279	180	
99	5284	297	65	5304	195	
			77	5311	231	
			83	5282	249	
			89	5310	267	



Radar waveform #23			Radar waveform #24		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
0	5291	0	18	5277	54
1	5270	3	24	5310	72
3	5281	9	31	5285	93
4	5289	12	32	5322	96
17	5286	51	34	5301	102
36	5278	108	46	5307	138
48	5316	144	58	5271	174
62	5294	186	66	5292	198
75	5275	225	73	5321	219
77	5298	231	86	5283	258
91	5307	273	88	5282	264
			97	5304	291
			98	5291	294
			99	5302	297

Radar waveform #25		Radar waveform #26			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
7	5317	21	17	5321	51
9	5278	27	36	5330	108
15	5321	45	43	5322	129
29	5294	87	45	5320	135
37	5272	111	59	5319	177
46	5285	138	68	5287	204
49	5302	147	75	5282	225
51	5324	153	93	5281	279
59	5315	177	97	5277	291
60	5289	180			
71	5330	213			
76	5314	228			
80	5281	240			

Radar waveform #27 Radar waveform #28

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Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
0	5287	0	3	5299	9
1	5302	3	7	5328	21
10	5274	30	21	5277	63
11	5286	33	31	5306	93
12	5330	36	36	5282	108
21	5281	63	46	5279	138
34	5273	102	58	5287	174
49	5282	147	71	5298	213
56	5298	168	79	5320	237
61	5308	183	90	5327	270
85	5299	255	95	5275	285
88	5314	264	1		
91	5309	273	1		
93	5285	279	1		
94	5313	282			





R	adar waveform #2	29	R	adar waveform #	30
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
5	5277	15	2	5296	6
10	5326	30	9	5280	27
12	5288	36	10	5297	30
15	5329	45	16	5315	48
16	5318	48	18	5278	54
28	5295	84	49	5282	147
29	5304	87	66	5316	198
32	5322	96	67	5293	201
36	5309	108	78	5305	234
38	5324	114	81	5318	243
45	5287	135	89	5290	267
49	5284	147			
53	5293	159			
57	5271	171			
65	5279	195			
68	5330	204			
78	5312	234			
80	5272	240			
84	5323	252	-1		
87	5286	261	-1		
90	5291	270	-1		
96	5292	288	-1		



Radar Statistical Performance for 802.11n-HT40 Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5290	0	918	58	1
2	5290	1	598	89	1
3	5290	1	818	65	1
4	5290	1	658	81	1
5	5290	1	678	78	1
6	5290	1	3066	18	1
7	5290	1	718	74	1
8	5290	1	738	72	1
9	5290	1	898	59	1
10	5290	1	518	102	1
11	5290	1	798	67	1
12	5290	1	578	92	1
13	5290	1	638	83	1
14	5290	1	838	63	1
15	5290	1	758	70	1
16	5290	1	2954	18	1
17	5290	1	1944	28	1
18	5290	1	1283	42	1
19	5290	1	2916	19	1
20	5290	1	2158	25	1
21	5290	1	1244	43	1
22	5290	1	2688	20	1
23	5290	1	595	89	1
24	5290	1	1372	39	1
25	5290	1	1877	29	1
26	5290	1	1010	53	1
27	5290	1	1233	43	1
28	5290	1	2223	24	1
29	5290	1	647	82	1
30	5290	1	2264	24	1
	Det	ection Percentage	(%)		100%



Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5295	2.4	155	27	1
2	5295	4.1	196	23	1
3	5295	1.6	198	23	1
4	5295	1.5	180	26	1
5	5295	3.7	163	29	1
6	5295	2.1	165	26	1
7	5295	2.4	223	23	1
8	5295	2.9	215	26	1
9	5295	1.2	157	26	1
10	5295	1.4	228	25	1
11	5295	1.9	172	27	1
12	5295	3.3	173	28	1
13	5295	1.5	192	29	1
14	5295	3.1	229	26	1
15	5295	2.6	174	28	1
16	5295	1.4	174	27	1
17	5295	3.5	208	24	1
18	5295	3.7	166	27	1
19	5295	2.7	206	29	1
20	5295	4.5	164	25	1
21	5295	4.5	161	23	1
22	5295	3.1	212	24	1
23	5295	3.5	170	27	1
24	5295	3.3	222	26	1
25	5295	1.7	214	24	1
26	5295	2.4	197	28	1
27	5295	1.1	224	26	1
28	5295	2.1	219	24	1
29	5295	2.5	210	25	1
30	5295	3.9	191	26	1
	Det	ection Percentage	(%)		100%



Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5300	7.2	466	16	1
2	5300	7.1	468	18	1
3	5300	7.8	297	18	1
4	5300	6.8	256	18	1
5	5300	8.6	356	17	1
6	5300	7.2	423	16	1
7	5300	7.4	301	17	1
8	5300	7.9	275	18	1
9	5300	8.3	321	18	1
10	5300	9.8	336	17	1
11	5300	6.7	319	17	1
12	5300	7.2	343	17	1
13	5300	8.7	287	17	1
14	5300	8.2	262	17	1
15	5300	9.2	372	16	1
16	5300	6.3	390	18	1
17	5300	7.5	265	17	1
18	5300	6.3	267	17	1
19	5300	8.7	299	18	1
20	5300	9.6	324	16	1
21	5300	8.3	254	18	1
22	5300	9.9	323	18	1
23	5300	6.6	373	17	1
24	5300	8.8	282	17	1
25	5300	7.6	472	18	1
26	5300	6.2	433	16	1
27	5300	6.3	300	17	1
28	5300	8.1	350	16	1
29	5300	9.6	333	17	1
30	5300	9.1	287	18	1
	Det	ection Percentage	(%)		100%

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Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5310	11.8	255	13	1
2	5310	18.6	262	13	1
3	5310	13.1	388	15	1
4	5310	13.1	337	13	1
5	5310	12.6	297	13	1
6	5310	15.4	307	12	1
7	5310	13.7	356	15	1
8	5310	16.6	339	14	1
9	5310	16.1	308	13	1
10	5310	16.4	399	15	1
11	5310	19.3	369	14	1
12	5310	19.2	374	16	1
13	5310	12.9	283	16	1
14	5310	13.8	498	15	1
15	5310	18.5	483	13	1
16	5310	16.5	360	14	1
17	5310	15.8	368	15	1
18	5310	15.8	474	16	0
19	5310	11.2	389	15	1
20	5310	18.9	317	12	1
21	5310	15.1	287	12	1
22	5310	11.1	396	13	1
23	5310	17.1	424	15	1
24	5310	17.0	266	16	1
25	5310	12.9	265	14	1
26	5310	15.0	494	15	1
27	5310	19.7	490	13	1
28	5310	15.4	275	12	0
29	5310	12.2	461	13	1
30	5310	11.3	307	15	1
	Det	ection Percentage	(%)		93.3%

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test

waveforms is as follows:
$$\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4} = (100\% + 100\% + 100\% + 93.3\%)/4 = 98.3\% (>80\%)$$

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Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq.	1=Detection	Trail #	Test Freq.	1=Detection
	(MHz)	0=No Detection		(MHz)	0=No Detection
1	5329	1	16	5329	1
2	5329	1	17	5329	1
3	5329	1	18	5329	1
4	5329	1	19	5329	1
5	5329	1	20	5329	1
6	5329	1	21	5329	1
7	5329	1	22	5329	1
8	5329	1	23	5329	1
9	5329	1	24	5329	1
10	5329	1	25	5329	1
11	5329	1	26	5329	1
12	5329	1	27	5329	1
13	5329	1	28	5329	1
14	5329	1	29	5329	1
15	5329	1	30	5329	1
	Det	ection Percentage	(%)		100%

	Num = 1 :sts = 10 :rval (us)= 1200	000								
urst	Off Time (us) 172689	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	1516620	2	19	80	1268	1022	0	172689	0	1199999
2	1383664	3	6	100	1284	1081	1518	1691599	1200000	2399999
ı	890488	1	9	75	1886	0	0	3079146	2400000	3599999
		1	11	100	1370	0	0	3971520	3600000	4799999
	1491084	1	12	100	1068	0	0	5463974	4800000	5999999
	1387190	1	10	80	1469	0	0	6852232	6000000	7199999
	645322	3	13	75	1446	1820	1949	7499023	7200000	8399999
	1127336	3	19	50	1147	1852	1754	8631574	8400000	9599999
)	1742265	3	13	70	1255	1544	1191	10378592	9600000	10799999
.0	572804 er of pulses in	1	20	50	1081	0	0	10955386	10800000	11999999

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				Type	5 Radar V	Naveform	n_2			
veform Nu	um = 2									
	val (us)= 1200									
rst	Off Time (us)	# Pulses	Chirp (MHz)	P₩ (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	815604	3	13	90	1511	1634	1041	815604	0	1199999
	1510565	2	20	65	1978	1378	0	2330355	1200000	2399999
	1179648	3	10	70	1232	1810	1433	3513359	2400000	3599999
	1171133	1	19	95	1498	0	0	4688967	3600000	4799999
	1281967	3	7	80	1100	1992	1277	5972432	4800000	5999999
	856408	3	6	100	1492	1301	1203	6833209	6000000	7199999
	1505717	1	7	65	1794	0	0	8342922	7200000	8399999
	496860	1	13	90	1341	0	0	8841576	8400000	9599999
	1245180	3	14	50	1020	1222	1109	10088097	9600000	10799999
	1594012	1	6	70	1898	0	0	11685460	10800000	11999999
.al numbe	r of pulses in	.waveform = 2 >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	21 		**************	-ii				
				Time	F Dodar \	Novefor	m 2			
				туре	5 Radar V	vavetorr	n_3			
reform Nu n of Burs										
	rts = 9 rval (us)= 1333	333								
:st	0ff Time (us) 904644	# Pulses	Chirp (MHz)	P₩ (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	555654	2	17	90	1962	1309	0	904644	0	1333332
		2	14	65	1317	1019	0	1463569	1333333	2666665
	1695977	3	18	90	1840	1873	1150	3161882	2666666	3999998
	1678856	3	5	65	1463	1268	1733	4845601	3999999	5333331
	1612166	1	5	80	1753	0	0	6462231	5333332	6666664
	1139966	2	15	100	1434	1107	0	7603950	6666665	7999997
	1363286					0	0			
	1199679	1	5	85	1261			8969777	7999998	9333330
	1229297	3	5	65	1449	1306	1437	10170717	9333331	10666663
al numbe	er of pulses in	1 waveform = 1	6 18	50	1137	0	0	11404206	10666664	11999996
				40404040404	***********	*				
				Tyne	5 Radar V	Naveforr	n 4			
				.,,,,	- Itadai I					
		333								
reform Nu of Burs	val (us)= 1333:							Stort I on		End Burst
of Burs st Inter	val (us)= 1333 Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Interval (us)	Interval (us)
of Burs st Inter	Off Time (us) 992794								Interval(us)	1333332
of Burs st Inter	Off Time (us)	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us) 992794	0	1333332
of Burs st Inter	Off Time (us) 992794	Pulses 1 3	(MHz) 5 19	(us) 75 85	Pri(us) 1160 1743	Pri(us) 0 1313	Pri(us) 0 1376	(us) 992794 1407414	0 1333333	1333332 2666665
of Burs st Inter	Off Time (us) 992794 413460	Pulses 1 3 3	(MHz) 5 19 15	(us) 75 85 75	Pri(us) 1160 1743 1170	Pri(us) 0 1313 1104	Pri(us) 0 1376 1342	(us) 992794 1407414 3262312	0 1333333 2666666	1333332 2666665 3999998
of Burs	Off Time (us) 992794 413460 1850466	Pulses 1 3 3	(MHz) 5 19 15	(us) 75 85 75 95	Pri(us) 1160 1743 1170 1740	Pri(us) 0 1313 1104 1452	Pri(us) 0 1376 1342 1947	(us) 992794 1407414 3262312 4341950	0 1333333 2666666 3999999	1333332 2666665 3999998 5333331
of Burs	Off Time (us) 992794 413460 1850466 1076022	Pulses 1 3 3 3 3	(MHz) 5 19 15 18	(us) 75 85 75 95	Pri(us) 1160 1743 1170 1740 1217	Pri (us) 0 1313 1104 1452 1870	Pri (us) 0 1376 1342 1947 1203	(us) 992794 1407414 3262312 4341950 6356765	0 1333333 2666666 3999999 5333332	1333332 2666665 3999998 5333331 6666664
of Burs	Off Time (us) 992794 413460 1850466 1076022 2009676	Pulses 1 3 3 3 1	(MHz) 5 19 15 18 13	(us) 75 85 75 95 65	Pri(us) 1160 1743 1170 1740 1217 1850	Pri(us) 0 1313 1104 1452 1870	Pri (us) 0 1376 1342 1947 1203	(us) 992794 1407414 3262312 4341950 6356765 7394830	0 1333333 2666666 399999 5333332 6666665	1333332 2666665 3999998 5333331 6666664 7999997
of Burs	Off Time (us) 992794 413460 1850466 1076022 2009676 1033775 1111569	Pulses 1 3 3 3 3	(MHz) 5 19 15 18	(us) 75 85 75 95	Pri(us) 1160 1743 1170 1740 1217	Pri (us) 0 1313 1104 1452 1870	Pri (us) 0 1376 1342 1947 1203	(us) 992794 1407414 3262312 4341950 6356765	0 1333333 2666666 3999999 5333332	1333332 2666665 3999998 5333331 6666664
of Burs st Inter	Off Time (us) 992794 413460 1850466 1076022 2009676 1033775	Pulses 1 3 3 3 1	(MHz) 5 19 15 18 13	(us) 75 85 75 95 65	Pri(us) 1160 1743 1170 1740 1217 1850	Pri(us) 0 1313 1104 1452 1870	Pri (us) 0 1376 1342 1947 1203	(us) 992794 1407414 3262312 4341950 6356765 7394830	0 1333333 2666666 399999 5333332 6666665	1333332 2666665 3999998 5333331 6666664 7999997

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				Туре	5 Radar V	Vaveforn	า_5			
veform N	sts = 16	000								
rst inte: rst	rval (us)= 750 Off Time	#	Chirp (MHz)	₽₩	Pulse 1	Pulse 2	Pulse 3	Ştart Loc	Start Bur	st End Burst
	(us) 153625	Pulses 2	(MHz) 12	(us) 70	Pri(us) 1356	Pri(us)	Pri(us)	(us) 153625	Interval (ıs) Interval (u 749999
	962348	2	14	65	1700	1443 1692	0	1118772	750000	149999
	380306	3	12	50	1998	1279	1165	1502470	1500000	2249999
	1133794	3	20	85	1517	1058	1878	2640706	2250000	2999999
	747635	3	12	90	1941	1759	1170	3392794	3000000	3749999
	1090281	1	5	55	1472	0	0	4487945	3750000	4499999
	701663	2	9	95	1503	1082	0	5191080	4500000	5249999
	689394	3	8	75	1423	1348	1921	5883059	5250000	5999999
	260397	1	14	95	1119	0	0	6148148	6000000	6749999
	1146249 458249	2	18	75	1637	1017	0	7295516	6750000	7499999
L	1102091	3	9	55	1380	1994	1057	7756419	7500000	8249999
2	534673	2	16	100	1617	1940	0	8862941	8250000	8999999
3	535517	2	10	65	1165	1559	0	9401171	9000000	9749999
1	1222144	2	9	85	1895	1242	0	9939412	9750000	10499999
5	612656	3	15	75	1041	1921	1232	11164693	10500000	11249999
5 tal numbe	er of pulses i	3 n waveform = :	9 37 ***********	70 	1798	1729	1893	11781543	11250000	11999999
				Туре	5 Radar V	Vaveforn	า_6			
veform Nu m of Bur:	um = 6 sts = 16 rval (us)= 7500	100								
rst inter rst	Off Time	#	Chirp (MHz)	P.W	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 60173	Pulses		(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
	939985	1	12	65	1327	0	0	60173	0	749999
	848673	2	10	100	1483	1616	0	1001485	750000	1499999
	742139	1	20	75	1191 1740	0	0	1853257 2596587	1500000	2249999 2999999
	595892	2	8 19	90 80	1777	1522	0	3194219	2250000 3000000	3749999
	1097055	2	17	80	1865	1540	0	4294573	3750000	4499999
	935405	2	14	85	1499	1609	0	5233383	4500000	5249999
	655867	1	8	100	1373	0	0	5892358	5250000	5999999
	471551	3	16	55	1250	1639	1607	6365282	6000000	6749999
)	1118315	3	6	50	1898	1885	1874	7488093	6750000	7499999
L	179113	2	12	80	1810	1591	0	7672863	7500000	8249999
2	936894 1040596	1	10	75	1308	0	0	8613158	8250000	8999999
3	331705	1	8	95	1903	0	0	9655062	9000000	9749999
4	1117335	3	20	95	1874	1807	1362	9988670	9750000	10499999
5	350958	2	20	50	1036	1998	0	11111048	10500000	11249999
s tal numbe	er of pulses in	3 waveform = 3	18 0	55	1049	1119	1346	11465040	11250000	11999999
30000000					*******	*				
				Туре	5 Radar V	Vaveforn	า_7			
reform Nu										
n of Burs	rval (us)= 1333	3333								
rst	Off Time (us) 461580	# Pulses	Chirp (MHz)	P₩ (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
		3	18	55	1483	1049	1359	461580	0	1333332
	1580239	3	13	85	1284	1540	1017	2045710	1333333	2666665
	1280146									
	1917091	1	11	50	1760	0	0	3329697	2666666	3999998
		1	13	75	1453	0	0	5248548	3999999	5333331
	1379959	3	15	75	1290	1919	1584		5333332	
	154375				1290	1218		6629960		6666664
		2	7	50	1735	1770	0	6788427	6666665	7999997
	1852659	2	19	90	1695	1410	0	8644591	7999998	9333330
	886174	3								
		13	16	100	1964	1214	1112	9533870	9333331	10666663
	1844096	0								
	1844096 er of pulses in	3	19	50	1886	1516	1063	11382256	10666664	11999996

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Contract					Туре	5 Radar V	Vaveforn	n_8			
	reform Nu m of Bur:	um = 8 sts = 18									
	rst Inter rst	Off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
March Marc		(us) 287336									Interval (us)
		526759									
1.004.02 1.004.02 2.000.00		600801									
MODISON 0		1168422									
977-144 2 0 00 1742 1002 0 0 047-150 0303-30 000000 0000000 0000000 0 0000000 0 0000		506586									
Transcript 1		373144									
1.000000		790026									
10,00000 2		536686									
1992 1992		1016010									
		768452									
1988/1999 1 12 68 1738		363711									
174843 2		888733									
9-9007 2 18 100 1397 1378 0 100-4008		174945									
40.501 3		916007									
4-90704 2 10 200 1272 1280 0 100-15020 100-2007			_								10000004
Type 5 Radar Waveform_9 **Type 5 Radar Waveform_9 **Total Number of Fullers 10			_								10666671
### Type 5 Radar Waveform_9 Type 5 Radar Waveform_9 Type 5 Radar Waveform_9			_								11333338
### Type 5 Radar Waveform_9 **Form Num = 9			3	13							12000005
Type 5 Radar Waveform_10** **Tuberval*********************************	al numbe	er of pulses in	waveform = 3	36				-			
Type 5 Radar Waveform_10** **Tuberval*********************************					Trees	E Dodon V	Noveform	~ O			
of Bursts = 11 interval (up) = 100000000000000000000000000000000000					туре	o Kadar V	vavetorn	n_9			
Type 5 Radar Waveform_10 Type 6 Type 7 Typ	of Burs	sts = 11									
Carlo Pulses Offic Carlo Pri (us) Pri (us) Pri (us) Carlo Ca	st Inter st	Off Time	#	Chirp							End Burst
1783092		(us)	Pulses	(MHz)	(us)						
## 1000 ## 10000 ## 10000 ## 10000 ## 10000 ## 10000 ## 10000 ## 10000 ## 10000 ## 10000 ## 10000 ## 10000 ## 10000 ## 10000 ## 10000			2	19	100	1580	1412	0	132701	0	1090908
### ### ### ### ### ### ### ### ### ##		1783092						0		1000000	
889440		497515									
1		AVABB	3	16	55	1097	1451	1549	2417327	2181818	3272726
2088470 186007 3 20 90 1249 1240 1198 5409720 4363636 54645 187025 3 13 90 1371 1782 1036 7685847 654544 7636363 1094372 77 71952 2 77 100 1745 1987 0 8187108 76863647 764952 2 17 80 1814 1833 0 8932792 872772 98181 1950627 3 5 70 1626 1932 1658 10887066 9818181 10909 11999 11 number of pulses in wareform = 23 ***********************************			1	7	65	1386	0	0	3319864	3272727	4363635
185007		2088470	3				1240	1100			
1487025 148 70		185007									
1094372 2 7 100 1745 1987 0 818710 654644 76363 77272 741952 2 7 100 1745 1987 0 8187108 7636363 87272 1950627 2 17 80 1814 1833 0 8932792 8727272 98181 1950627 3 5 70 1626 1932 1658 10887066 9818181 10909 1190			2	14	70	1471	1637	0	5598414	5454545	6545453
1094372 741952 2 7 7 100 1745 1987 0 8187108 7636363 87272 741952 2 17 80 1814 1833 0 8832792 872727 98181 1950827 3 5 70 1626 1932 1658 10887066 9818181 10909 812520 1 5 70 1008 0 0 11704802 10909090 11999 Ill number of pulses in waveform = 23 ************************************			3	13	90	1371	1782	1036	7088547	6545454	7636362
### 100		1094372	2	7	100	174E	1007	0	9107100	7696969	8727271
195067		741952									
Size			2	17	80	1814	1833	0	8932792	8727272	9818180
Type 5 Radar Waveform_10 Topic Type 5 Radar Waveform_10 Type 7 Radar Wave		1900071	3	5	70	1626	1932	1658	10887066	9818181	10909089
Type 5 Radar Waveform_10 Type 6 Radar Waveform_10 Type 7 Pulse 1 Pulse 2 Pulse 3 Start Loc Start Burst Rad Burst Radar R											11999998
form Num = 10 of Bursts = 18				5	70	1009	Δ.		11104002	10202020	110000000
form Num = 10 of Bursts = 18	al numbe	812520 er of pulses ir	1 n waveform = 1	23				Ü			
of Bursts = 18	al numbe	812520 er of pulses ir	1 n waveform = 1	23				•			
The lates of the l	al numbe	812520 er of pulses ir	1 n waveform = 1	23		*************	otok				
656267 1 18 96 1649 0 0 595878 0 666668 417194 2 9 90 1632 1278 0 1096484 666667 1333334 2000000 928063 1 17 95 1489 0 0 2447687 2000001 2666668 48383 1 16 85 1722 0 0 2997459 2666668 333334 396113 1 16 85 1722 0 0 2997459 2666668 333334 1114830 2 19 55 1542 1736 0 394294 333335 4000001 1156940 2 17 90 1697 1952 0 4671291 466669 533335 528700 2 14 90 1633 1472 0 5983374 533336 600002 475210 2 5 95 1336 194	al numbe	812520 er of pulses ir	1 n waveform = :	23		*************	otok				
565257 9 90 1632 1278 0 1096484 66667 1333333 417194 2 20 85 1163 1773 0 1516588 133334 200000 928063 1 17 95 1489 0 0 2447687 200001 266667 395113 1 16 85 1722 0 0 2997459 2666688 333334 4000001 1114830 2 19 55 1542 1736 0 3984294 333335 4000001 115540 2 17 90 1697 1952 0 4512402 400002 466668 1308292 2 14 90 1633 1472 0 583374 533338 600002 528700 1 19 95 1742 0 6615179 600003 666668 333334 600003 666667 733336 600003 666670 733337	al numbe	812520 ex of pulses in ************************************	1 a waveform = :	23	Type (5 Radar W	/aveform	1_10		Start Burst	End Burst
417194 928063	al numbe	812520 ex of pulses in ************************************	1 a waveform = 1 abstraction to the state of	23 ************************************	Type (5 Radar W	/aveform	Pulse 3 Pri(us)	(us)	Interval (us)	End Burst Interval(us)
928063 548383	eform Nu of Burs st Inter	812520 er of pulses in ***********************************	1 1 waveform = ; this is in this is in this is in this is in this in the interval in t	23 ************************************	Type (5 Radar W	Pulse 2 Pri(us)	Pulse 3 Pri(us)	(us) 539578	Interval (us)	End Burst Interval(us)
543383 16 85 1722 0 2997459 266668 333334 395113 2 19 55 1542 1736 0 394294 333335 4000001 1114830 1 17 90 1697 1952 0 4512402 400002 466668 158940 2 20 100 1192 1889 0 4671891 4666689 533336 600002 528700 2 14 90 1633 1472 0 698374 533336 600002 719980 1 19 95 1742 0 6516179 600003 666668 475210 2 5 96 1366 1948 0 7236901 666670 733337 8000003 377524 2 5 6 1486 1657 1003 8045770 8000004 866670 1093400 3 7 80 1486 1657 100	eform Nu of Burs st Inter	812520 er of pulses in	1 a waveform = ; controlled the cont	Chirp (MHz) 18	Type \$	5 Radar W Pulse 1 Pri (us) 1649 1692	Pulse 2 Px1(us) 0	Pulse 3 Pxi(us)	(us) 539578 1096484	Interval (us) 0 666667	End Burst Interval(us) 666666 13333333
395113 1114330 2 19 55 1542 1736 0 3394294 333335 4000001 1155940 2 17 90 1697 1952 0 4512402 4000002 4666668 1308292 2 10 100 1192 1899 0 4671991 4666669 533335 528700 1 19 95 1742 0 598374 533336 6000002 719980 2 5 95 1336 1948 0 7236901 6666670 733336 475210 2 5 95 1336 1948 0 7236901 6666670 733336 327524 2 5 6 60 1252 1599 0 7715955 733337 8000003 1093400 2 13 100 1948 1657 1003 8045770 800004 8666670 704931 3 8 95 1326 1147 1931 985184 933338 1000000000000000000000000000000000	eform Nu of Burs st Inter	812520 er of pulses in ************************************	1 waveform = ; **********************************	Chirp (MHz) 18 9 20	Type (123) 95 90 85	Pulse 1 Pri (ur) 1649 1692 1169	Pulse 2 Pri(us) 0 1278 1773	Pulse 3 Pri(us) 0 0	(us) 539578 1096484 1516588	Interval (us) 0 666667 1333334	End Burst Interval(us) 666666 1333333 2000000
1114830	eform Nu of Burs st Inter	812520 er of pulses in ************************************	1 1 waveform = ; ***********************************	23 Chirp (MHz) 18 9 20 17	Type (199) 95 90 85 95	Pulse 1 Pri(us) 1649 1663 1489	/aveform Pulse 2 Pri(us) 0 1278 1773 0	Pulse 3 Pri(us)	(us) 539578 1096484 1516588 2447587	Interval (us) 0 666667 1333334 2000001	End Burst Interval(us) 666666 133333 2000000 2666667
165940 1308292 2 14 90 1633 1472 0 65893374 533336 600002 528700 1 19 95 1742 0 0 6515179 600003 6666667 719980 1 19 95 1336 1948 0 7236901 666670 733336 475210 2 5 95 1336 1948 0 7236901 666667 733336 327524 2 5 5 60 1252 1599 0 7715395 733337 800003 1093400 704931 2 13 100 1948 1189 0 9143316 866671 833337 452256 3 8 95 1326 1147 1931 985184 933338 1000006	eform Nu of Burs st Inter	812520 er of pulses in ###################################	1 1 waveform = ; control = ; c	23 Chirp (MHz) 18 9 20 17 16	Type \$ PW (UE) 95 90 85 95 85 85 85 85 85 85	Pulse 1 Pri(ur) 1649 1632 1163 1489 1722	Fulse 2 Pri(us) 0 1278 1773 0	Pulse 3 Pri(us)	(us) 539578 1096484 1516588 2447587 2997459	Interval (us) 0 666667 1333334 2000001 2666668	End Burst Interval(us) 666666 1333333 2000000 2666667 3333334
1308292	eform Nu of Burs st Inter	812520 er of pulses in ************************************	1 waveform = ; **********************************	23 Chirp (MHz) 18 9 20 17 16 19	Type { FW (us) 95 90 85 96 85 85 65	Pulse 1 Pri (us) 1632 1163 1489 1722 1542	Pulse 2 Pri(us) 0 1278 1773 0	Pulse 3 Pri(us) 0 0	(us) 539578 1096484 1516588 2447587 2997459 3394294	Interval(us) 0 666667 1333334 2000001 2666668 3333335	End Burst Interval(us) 666666 1333333 2000000 2666667 3333334 4000001
528700 19 95 1742 0 0 6515179 600003 666668 719980 2 5 95 1336 1948 0 7236901 666670 733338 475210 2 5 50 1252 1699 0 7715996 7333337 8000002 1093400 3 7 80 1486 1657 1003 8045770 800004 866670 704931 2 13 100 1948 1189 0 9143316 866671 933338 100000 453255 3 8 95 1326 1147 1931 981384 933338 100000 416423 3 11 65 1353 1835 1379 10309043 1000005 106667	eform Nu of Burs st Inter	812520 ex of pulses in ************************************	1 waveform = ; **********************************	23 Charp (MHz) 18 9 20 17 16 19 17	Pw (us) 95 90 85 95 85 90	Pulse 1 Pri (ur) 1649 1632 1163 1489 1722 1542 1697	Pulse 2 Pri(us) 0 1278 1773 0 0 1736 1952	Pulse 3 Pri(us) 0 0 0	(us) 539578 1096484 1516588 2447587 2997459 3394294 4512402	Interval(us) 0 666667 1333334 2000001 2666668 3333335 4000002	End Burst Interval(us) 666666 133333 2000000 2666667 3333334 4000001 4666668
719980	eform Nu of Burs st Inter	812520 er of pulses in ************************************	1 1 waveform = ; ***********************************	Chirp (MHz) 18 9 20 17 16 19 17 20	Type (us) 95 90 85 96 85 96 85 90 100	Pulse 1 Pri(us) 1649 1663 1489 1722 1664 16897 1192	Pulse 2 Pri(us) 0 1278 1773 0 0 1736 1952 1899	Pulse 3 Pra(us)	(us) 539578 1096484 1516688 2447587 2997459 3394294 4512402 4671991	Interval (us) 0 666667 1333334 2000001 2666668 333335 4000002 4666669	End Burst Interval(us) 666666 133333 2000000 2666667 3333334 4000001 4666668 5333335
475210 2 5 50 1252 1599 0 7715395 733337 8000003 327524 3 7 80 1486 1657 1003 8045770 8000004 866677 1093400 2 13 100 1948 1189 0 9143315 866671 933337 459255 3 8 95 1326 1147 1931 9851384 933338 10000005 416423 3 11 65 1353 1835 1379 10309043 1000005 106667	eform Nu of Burs st Inter	812520 er of pulses in ###################################	1 waveform = ; wa	Chirp (MHz) 18 9 20 17 16 19 17 20 14	PW (US) 95 90 85 96 85 96 100 90	Pulse 1 Pri (us) 1649 1632 1163 1489 1722 1542 1697 1192 1633	Pulse 2 Pri(us) 0 1278 1773 0 0 1736 1982 1899 1472	Pulse 3 Pri(us) 0 0 0 0 0 0	(uz) 539578 1096484 1516588 2447587 2997459 3394294 4512402 4671991 5983374	Interval (us) 0 666667 1333334 2000001 2666668 333335 4000002 4666669 5333336	End Burst Interval(us) 666666 133333 2000000 2666667 3333334 4000001 466668 5333335 6000002
327524	eform Nu of Burs st Inter	812520 er of pulses in ***********************************	1 waveform = :	Chirp (MMz) 18 9 20 17 16 19 17 20 14	Pw (us) 95 90 85 95 90 100 90 95	Pulse 1 Pri (ur) 1649 1632 1163 1489 1722 1542 1697 1192 1633 1742	Pulse 2 Pri(us) 0 1278 1773 0 0 1796 1952 1899 1472	Pulse 3 Pri(us) 0 0 0 0	(uz) 53578 1096484 1516588 2447587 2997459 3394294 4512402 4671991 5983374 6515179	Interval (us) 0 666667 133334 2000001 2666668 333335 4000002 4666669 5333336 6000003	End Burst Interval (us) 666666 133333 2000000 266667 333334 4000001 466668 533335 6000002 6666669
1093400 2 13 100 1948 1189 0 9143316 8666671 9333337 704931 3 8 95 1326 1147 1931 9851384 933338 1000000 416423 3 11 65 1353 1835 1379 10309043 10000005 1066667	eform Nucof Inter	812520 er of pulses in ************************************	1 waveform = ; **********************************	Chirp (MHz) 18 9 20 17 16 19 17 20 14 19 5	Fw (us) 95 90 85 95 90 100 90 95 95	Pulse 1 Px1(us) 1649 1632 1163 1489 1722 1542 1697 1192 1693 1742	Pulse 2 Px1(us) 0 1278 1773 0 0 1736 1952 1839 1472 0	Pulse 3 Pri(us) 0 0 0 0	(up) 539578 1096484 1516588 2447587 2997459 3394294 4512402 4671991 5983374 6515179 7236901	Interval (us) 0 666667 133334 2000001 2666668 333335 400002 4666669 533336 600003 6666670	End Burrt Interval (us) ee6666 133333 2000000 2666667 333334 4000001 4666688 533335 6000002 6666689 7333336
704931 3 8 95 1326 1147 1931 9851384 9333338 1000000 453255 3 11 65 1353 1835 1379 10309043 1000005 106667 416423	al numbers all numbers at linter st	812520 er of pulses in ************************************	1 waveform = ; **********************************	Chirp (MMz) 18 9 20 17 16 19 17 20 14 19 5	PW (us) 95 90 85 95 85 90 100 90 95 95 50	Pulse 1 Pri(us) 1649 1632 1163 1489 1722 1542 1697 1192 1633 1742 1336 1252	Pulse 2 Pri(us) 0 1278 1773 0 0 1736 1952 1899 1472 0 1948 1599	Pulse 3 Pri(us)	(us) 539578 1096484 1516588 2447587 2997459 3394294 4512402 4671991 5983374 6515179 7236901 7715395	Interval (us) 0 666667 1333334 2000001 2666668 3333335 4000002 4666699 5333336 6000003 6666670 7333337	End Burst Interval(us) 666666 133333 2000000 2666667 3333334 4000001 4666668 5333335 6000002 6666669 7333336 8000003
459255 3 11 65 1353 1835 1379 10309043 10000005 1066667 416423 3	eform N. of Burs st Inter	812520 er of pulses in	1 waveform = ; **********************************	Chirp (MHz) 18 9 20 17 16 19 17 20 14 19 5 5	PW (us) 95 90 85 95 95 90 100 90 95 95 96 50 80	Pulse 1 Pri (ur) 169 1632 1163 1489 1722 1842 1697 1192 1633 1742 1396 1252 1486	Pulse 2 Pri(us) 0 1278 1773 0 0 0 1736 1952 1899 1472 0 1948 1599 1667	Pulse 3 Pri(us) 0 0 0 0 0 0 0	(us) 539578 1096484 1516588 2447587 2997459 3394294 4512402 4671991 5983374 6515179 7236901 7715395 8045770	Interval (us) 0 666667 1333334 200001 2666668 333335 4000002 4666669 5333336 6000003 6666670 7333337 8000004	End Burst Interval(us) 666666 1333333 2000000 2666667 3333334 4000001 4666668 5333335 6000002 6666689 7333336 8000003 8666670
416423	al numbe	812520 er of pulses in ***********************************	1 waveform = :	Chirp (MHz) 18 9 20 17 16 19 17 20 14 19 5 7 13	Pw (us) 95 90 85 95 55 90 100 95 95 85 80 100	Pulse 1 Pri(ur) 1649 1632 1163 1489 1722 1542 1697 1192 1633 1742 1336 1252 1486	Pulse 2 Pri(us) 0 1278 1773 0 0 1736 1952 1899 1472 0 1948 1599 1567 1189	Pulse 3 Pri(us) 0 0 0 0 0 0 0	(us) 539578 1096484 1516588 2447587 2997459 3394294 4512402 4671991 5583374 6515179 7236801 7715395 8045770 9143316	Interval (us) 0 666667 133334 2000001 2666668 333335 4000002 4666669 5333336 6000003 6666670 733337 8000004 8666671	End Burst Interval(us) 666666 1333333 2000000 2666667 333334 4000001 466668 533335 6000002 666669 733336 8000003 8666670 933337
3 9 60 1648 1845 1728 10730033 10666672 1133333	al numbe	812520 er of pulses in ***********************************	1 waveform = ; **********************************	Chirp (MHz) 18 9 20 17 16 19 17 20 14 19 5 7 13 8	Fw (us) 96 90 85 95 96 96 96 96 96 96 96 96 96	Pulse 1 Pri(us) 1649 1632 1163 1489 1722 1542 1697 1192 1633 1742 1336 1252 1486 1948	Pulse 2 Px1(us) 0 1278 1773 0 0 1796 1982 1899 1472 0 1948 1599 1667 1188 1147	Pulse 3 Pri(us) 0 0 0 0 0 0 0 0 0 1003	(us) 53578 1096484 1516588 2447587 2997459 3394294 4512402 4671991 5983374 6515179 7236901 7715395 8045770 9143316 9851384	Interval (us) 0 666667 1333334 2000001 2666668 3333335 4000002 4666669 5333336 6000003 6666670 7333337 8000004 8666671 933338	End Burst Interval (us) 666666 1333333 2000000 2666667 333334 4000001 4666668 5333335 600002 666669 733336 8000003 866670 933337 10000004
3 9 60 1648 1845 1728 10730033 10666672 1133333 683477 2 6 90 1857 1685 0 11418731 1133339 1200000	al numbe	812520 er of pulses in	1 waveform = : **********************************	Chirp (MMz) 18 9 20 17 16 19 17 20 14 19 5 6 7 13 8 11	PW (us) 95 90 85 95 85 90 100 90 95 50 80 100 95 65	Pulse 1 Pri(us) 1649 1632 1163 1489 1722 1542 1697 1192 1633 1742 1336 1252 1486 1948 1326	Pulse 2 Pri(us) 0 1278 1773 0 0 1736 1952 1899 1472 0 1948 1599 1667 1189 1147	Pulse 3 Pri(us) 0 0 0 0 0 0 0 1003 0 1931	(us) 53578 1096484 1516588 2447587 2997459 3394294 4512402 4671991 5983374 6515179 7236901 7715395 8045770 9143316 9851384 10309043	O 666667 1333334 2000001 2666668 3333335 400002 4666689 5333336 6000003 6666670 7333337 8000004 8666671 933338	End Burst Interval(us) 666666 1333333 2000000 2666667 333334 4000001 466668 533335 6000002 666669 733336 8000003 8666670 933337



				Type :	5 Radar W	<i>l</i> aveform	<u>1_11</u>			
veform Nu m of Burs rst Inter		000								
rst	Off Time (us)	# Pulses	Chirp (MHz)	P₩ (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	393450	2	6	100	1838	1940	0	393450	0	1199999
	1882266						0		•	
	547605	1	14	65	1300	0		2279494	1200000	2399999
	1260363	3	14	85	1977	1437	1160	2828399	2400000	3599999
	1450511	2	14	100	1439	1044	0	4093336	3600000	4799999
	799291	1	19	85	1937	0	0	5546330	4800000	5999999
	1208044	3	9	90	1178	1128	1823	6347558	6000000	7199999
	1105271	3	19	55	1823	1805	1524	7559731	7200000	8399999
	1470152	2	12	100	1832	1309	0	8670154	8400000	9599999
		1	12	80	1089	0	0	10143447	9600000	10799999
	1605722	3	5	75	1105	1188	1805	11750258	10800000	11999999
al numbe	r of pulses in	waveform = 2	:1 	****************		lek:				
				Type :	5 Radar W	/aveform	n_12			
reform Nu	m = 12									
of Burs		3333								
st	Off Time (us) 371	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	2143069	3	13	65	1237	1802	1433	371	0	1333332
		2	17	65	1869	1710	0	2147912	1333333	2666665
	743731	3	19	55	1666	1606	1938	2895222	2666666	3999998
	2362619	3	13	65	1178	1704	1797	5263051	399999	5333331
	1080484	3	18	90	1715	1395	1134	6348214	5333332	6666664
	969130									
	677753	3	16	95	1811	1456	1475	7321588	6666665	7999997
	2554757	2	8	90	1033	1836	0	8004083	7999998	9333330
	388336	2	7	55	1597	1650	0	10561709	9333331	10666663
		3	13	65	1777	1330	1094	10953292	10666664	11999996
al numbe	r of pulses in	n waveform = 2 obstobbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbbb	24 Indialatakalakalakalakalakalakalakalakalakal			**				
				Type :	5 Radar W	/aveform	1_13			
eform Nu of Burs st Inter	m = 13 ts = 19 val (us)= 6315	79								End Burst
	Off Time	79 # Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	Interval (us)
	Off Time	# Pulses 3	5	(us) 50	Pri (us) 1546	Pri(us) 1608	1001	(us) 485532	Interval (us)	Interval (us) 631578
	Off Time (us) 485532 552925 414175	# Pulses 3 2	5 7	(us) 50 95	Pri (us) 1546 1527	Pri (us) 1608 1206	1001 0	(us) 485532 1042612	Interval (us) 0 631579	Interval (us) 631578 1263157
	Off Time (us) 485532 552925 414175 940078	# Pulses 3	5	(us) 50	Pri (us) 1546	Pri(us) 1608	1001	(us) 485532	Interval (us)	Interval (us) 631578
	Off Time (us) 485532 552925 414175	# Pulses 3 2 1 3	5 7 6 17 14	(us) 50 95 70 95 90	Pri (us) 1546 1527 1601 1134 1322	Pri(us) 1608 1206 0 1382 1064	1001 0 0 1690 1463	(us) 485532 1042612 1459520 2401199 2733796	Interval (us) 0 631579 1263158 1894737 2526316	Interval (us) 631578 1263157 1894736 2526315 3157894
	Off Time (us) 485532 552925 414175 940078 328391 971573 526430	# Pulses 3 2 1	5 7 6 17 14 20	(us) 50 95 70 95 90 80	Pri(us) 1546 1527 1601 1134 1322	Pri(us) 1608 1206 0 1382 1064 1435	1001 0 0 1690 1463 1076	(us) 485532 1042612 1459520 2401199 2733796 3709218	Interval (us) 0 631579 1263158 1894737 2526316 3157895	Interval (us) 631578 1263157 1894736 2526315 3157894 3789473
	Off Time (ue) 488532 552925 414175 940078 328391 971573 526430 392605	# Pulses 3 2 1 3 3	5 7 6 17 14	(us) 50 95 70 95 90	Pri (us) 1546 1527 1601 1134 1322	Pri(us) 1608 1206 0 1382 1064	1001 0 0 1690 1463	(us) 485532 1042612 1459520 2401199 2733796	Interval (us) 0 631579 1263158 1894737 2526316	Interval (us) 631578 1263157 1894736 2526315 3157894 3789473 4421052 5052631
st	Off Time (us) 485532 552925 414175 940078 328391 971573 526430	# Pulses 3 2 1 3 3 1 3 3 3 3 3 3	5 7 6 17 14 20 5 6	(u#) 50 95 70 95 90 80 65 65	Pri (us) 1546 1527 1601 1134 1322 1542 1955 1916	Pri(us) 1608 1206 0 1382 1064 1435 0 1770	1001 0 0 1690 1463 1076 0 1456	(us) 485532 1042612 1459520 2401199 2733796 3709218 4239701 4634261 5463846	Interval (us) 0 631579 1263158 1894737 2526316 3157895 3789474 4421053 5052632	Interval (us) 631578 1263157 1894736 2526315 3157894 3789473 4421052 5052631 5684210
st	Off Time (ue) 485532	# Pulses 3 2 1 3 3 1 3 3 3 3 3	5 7 6 17 14 20 5	(u#) 50 95 70 95 90 80 65	Pri(us) 1546 1527 1601 1134 1322 1542 1955	Pri(us) 1608 1206 0 1382 1064 1435 0 1770	1001 0 0 1690 1463 1076 0	(us) 485532 1042612 1459520 2401199 2733796 3709218 4239701 4634261	Interval (us) 0 631579 1263158 1894737 2526316 3187895 3789474 4421053	Interval (us) 631578 1263157 1894736 2526315 3157894 3789473 4421052 5052631
st	Off Time (ue) 485532 552925 414175 940078 328391 971573 528430 392605 824443 504088 873287 589450	# Pulses 3 2 1 3 3 1 3 3 1	5 7 6 17 14 20 5 6 9 14 12	(us) 50 95 70 95 90 80 65 65 80 55 70	Pri (us) 1546 1527 1601 1134 1322 1542 1955 1916 1002 1823 1859 1267	Pri (us) 1608 1206 0 1382 1064 1435 0 1770 1963 0 1760 1052	1001 0 0 1690 1463 1076 0 1456 1583 0	(us) 485532 1042612 1459520 2401199 2733796 3709218 4239701 4634261 5463846 5972482 6847592 7440661	Interval (us) 0 631579 1263158 1894737 2526316 3157895 3789474 4421053 5052632 5684211 6315790 6947369	Interval (us) 631578 1263167 1263167 1894736 2526315 3157894 3789473 4421052 5052631 5684210 6315789 6947368 7578947
est	Off Time (ue) 485532 552925 414175 940078 328391 971573 526430 392605 824443 504088 873287	# Pulses 3 2 1 3 3 3 1 1 2 1	5 7 6 17 14 20 5 6 9 14 12 16	(us) 50 95 70 95 90 80 65 65 80 55 70 95	Pri (us) 1546 1527 1601 1134 1322 1542 1955 1916 1002 1823 1859 1267 1078	Pri (ue) 1608 1206 0 1382 1064 1435 0 1770 1963 0 1760 1052 0	1001 0 0 1690 1463 1076 0 1456 1583 0 0	(us) 485532 1042612 1459520 2401199 2733796 3709218 4239701 4634261 5463846 5972482 6847592 7440661 8130824	Interval (us) 0 631579 1263158 1894737 2526316 3157898 3789474 4421053 5052632 5684211 6315790 6947369 7578948	Interval (us) 631578 1263157 1894736 2526315 3157894 3789473 4421052 5052631 5684210 6315789 6947368 7578947 8210526
reform Num of Burs	Off Time (ue) 485532 485532 552925 414175 940078 328391 971573 526430 392605 824443 504088 873287 589450 687844 287841 1002457	# Pulses 3 2 1 3 3 3 1 2 2 1 2 2 2 2 2	5 7 6 17 14 20 5 6 9 14 12	(us) 50 95 70 95 90 80 65 65 80 55 70	Pri (us) 1546 1527 1601 1134 1322 1542 1955 1916 1002 1823 1859 1267	Pri (us) 1608 1206 0 1382 1064 1435 0 1770 1963 0 1760 1052	1001 0 0 1690 1463 1076 0 1456 1583 0	(us) 485532 1042612 1459520 2401199 2733796 3709218 4239701 4634261 5463846 5972482 6847592 7440661	Interval (us) 0 631579 1263158 1894737 2526316 3157895 3789474 4421053 5052632 5684211 6315790 6947369	Interval (us) 631578 1263157 1894736 2526315 3157894 3789473 4421052 5052831 5684210 6315789 6947368 7578947
est	Off Time (ue) 485532 652925 414175 940078 328391 971573 526430 392605 824443 504088 873287 589450 687844 287841	# Pulses 3 2 1 3 3 3 3 1 2 2 1 1 3 3 2 1 2 2 1 3 3	5 7 6 17 14 20 5 6 9 14 12 16 20 19 9 13	(us) 50 95 70 96 90 80 65 80 65 90 95 90 95	Pri (us) 1546 1527 1601 1134 1322 1542 1955 1916 1002 1823 1859 1267 1078 1915 1633 1327	Pri (us) 1608 1206 0 1382 1064 1435 0 1770 1963 0 1760 1052 0 1633 1834 1978	1001 0 0 1690 1463 1076 0 1456 1583 0 0 0 0	(us) 485532 1042612 1455520 2401199 2733796 3709218 4239701 4634261 5463846 5972482 6847592 7440661 8130824 8419743 9427285 10088596	Interval (us) 0 631579 1263158 1894737 2526316 3157895 3789474 4421063 5052632 5684211 5684211 6947369 7578948 8210627 8842106 9473685	Interval (us) 631578 1263157 1894736 2526315 3157894 3789473 4421052 50522631 5684210 6315789 6947368 7578947 8210526 8842105 8842105 9473684 10105263
est	Off Time (ue) 485532 485532 414175 940078 328391 971573 528430 392606 824443 504088 873287 589450 687844 287841 1002487 687844	# Pulses 3 2 1 3 3 3 1 3 3 1 2 2 1 3 2 2 1 2 2 1 3 2 2	5 7 6 17 14 20 5 6 9 14 12 16 20 19 9	(ue) 50 95 70 95 80 65 65 80 96 96 96	Pri (us) 1546 1527 1601 1134 1322 1542 1955 1916 1002 1823 1859 1267 1078 1916 1633	Pri (ue) 1608 1206 0 1382 1064 1435 0 1770 1963 0 1760 1052 0 1633 1834	1001 0 0 1690 1463 1076 0 1456 1583 0 0 0	(us) 485532 1042612 1459520 2401199 2733796 3709218 4239701 4634261 5463846 5972482 6847592 7440661 8130824 8419743 9427285	Interval (us) 0 631679 1263158 1894737 2526316 3157895 3789474 4421063 5052632 56684211 6316790 6947369 7578948 8210627 8842106	Interval (us) 631578 1263157 1894736 2526315 3157894 3789473 4421052 5052631 5684210 6315789 6947368 7578947 84210626 884210626 8842105

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				Type !	5 Radar W	laveform	14			
veform N										
	sts = 10 rval (us)= 1200	0000								
rst	Off Time (us) 72995	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us
		3	12	80	1046	1689	1896	72995	0	1199999
	2269957	2	10	95	1693	1468	0	2347583	1200000	2399999
	444623	3	15	100	1776	1885	1087	2795367	2400000	3599999
	1933907	3	5	85	1561	1441	1994	4734022	3600000	4799999
	908627	3	10	80	1360	1281	1326	5647645	4800000	5999999
	1512003	1	9	55	1259	0	0	7163615	6000000	7199999
	887685									
	741123	3	13	55	1006	1054	1623	8052559	7200000	8399999
	1330367	1	16	100	1460	0	0	8797365	8400000	9599999
	1793079	3	11	95	1949	1818	1315	10129192	9600000	10799999
al numb	er of pulses in	2 waveform =	5	70	1380	1367	0	11927353	10800000	11999999
						letek:				
				Type	5 Radar W	<i>l</i> aveform	15			
				.ypo (Tradai T	141010111				
eform Nu of Burs st Inter	um = 15 sts = 19 rval (us)= 6315'	79								
st	Off Time (us) 199113	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst H Interval(us)	nd Burst nterval(us)
	1035948	2	7	65	1341	1707	0	199113	0	631578
	547275	3	6 20	100 80	1422 1843	1268 1842	1594 1182	1238109 1789668	631579 1263158	1263157 1894736
	547534	3	12	60	1911	1166	1685	2342069	1894737	2526315
	222689 873015	2	7	60	1052	1108	0	2569520	2526316	3157894
	348131	3	8 6	55 65	1492 1321	1465 o	1852 o	3444695 3797635	3157895 3789474	3789473 4421052
	624587	1	6 12	65 95	1321 1613	0	0	3797635 4423543	3789474 4421053	4421052 5052631
	1131825 469778	1	17	60	1179	0	0	5556981	5052632	5684210
	639736	2	12	55	1569	1546	0	6027938	5684211	6315789
	634228	2	5 18	80 70	1259 1422	1517 1084	1381 0	6670789 7309174	6315790 6947369	6947368 7578947
	712189 533208	1	7	100	1858	0	0	8023869	7578948	8210526
	577746	1	5	70	1852	0	0	8558935	8210527	8842105
	490975	3	19 10	70 90	1817 1514	1843 1736	0 1219	9138533 9633168	8842106 9473685	9473684 10105263
	1023967	3	9	50	1860	1116	1637	10661604	10105264	10736842
	531601 529850	2	6	55	1523	1615	0	11197818	10736843	11368421
ıl numbe		2 waveform = 4 +++++++++++++++++++++++++++++++++++	18 0 ***********************************	70 ********	1265	1423 *	0	11730806	11368422	12000000
				Type !	5 Radar W	/aveform	n_16			
	um = 16 sts = 11									
st Inte	rval (us)= 1090		ar :	ייינים	n	P. 7	P 3 0	G	G	F 1 F .
st	Off Time (us) 49571	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	
	1704611	3	12	90	1634	1101	1007	49571	0	1090908
	849785	2	6	70	1565	1948	0	1757924	1090909	2181817
	1363843	2	10	50	1565	1380	0	2611222	2181818	3272726
	760064	3	19	90	1187	1694	1279	3978010	3272727	4363635
		3	9	60	1268	1996	1053	4742234	4363636	5454544
	1224849	2	15	65	1082	1965	0	5971400	5454545	6545453
				80	1175	1499	0	7419612	6545454	7636362
	1445165	2	10							
		2	10 8	70	1953	1711	0	8635295	7636363	8727271
	1445165	2	8	70						
	1445165 1213009	2 3	8 19	70 85	1334	1483	1226	9667649	8727272	9818180
	1445165 1213009 1028690	2	8	70						

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				Type !	5 Radar W	laveform	1_17			
Vaveform Nu Jum of Burs Burst Inter	m = 17 ts = 15 val (us)= 8000	900								
urst	Off Time	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)		End Burst Interval(us)
1	319088	ruises 3	(MHZ)	(us) 85	1030	1575	1467	(us) 319088		799999
2	968700	1	15	80	1993	0	0	1291860		1599999
- 3	704534	1	11	70	1272	0	0	1998387		2399999
	931734	2	15	55	1323	1634	0	2931393		3199999
5	748330	1	18	65	1902	0	0	3682680		3999999
:	786112	1	7	90	1261	0	0	4470694		4799999
	332956	1	12	60	1690	0	0	4804911		5599999
	860043	1	20	70	1915	0	0	5666644	5600000	6399999
	1193034	2	20	90	1456	1720	0	6861593		7199999
0	842983	3	5	85	1165	1118	1186	7707752		7999999
1	805970	1	15	75	1941	0	0	8517191		8799999
2	554429	2	5	55	1144	1247	0	9073561		9599999
3	641125	1	12	90	1479	0	0	9717077		10399999
4	1377030	1	8	65	1797	0	0	11095586		11199999
5	157996	1	9	50	1211	0	0	11255379		11999999
tal numbe	r of pulses in	waveform = 2	22		****		•		******	*******
				Type !	5 Radar W	/aveforn	n_18			
veform Nu m of Burs	ts = 13									
	val (us)= 9230						- 1 0			
rst	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst) Interval(us
	126024	3	18	55	1020	1505	1293	126024	0	923076
	1053810					0	0			1846153
	867821	1	18	65	1483			1183652	923077	
	1172680	1	17	85	1850	0	0	2052956	1846154	2769230
	1077486	1	14	75	1591	0	0	3227486	2769231	3692307
		1	10	95	1491	0	0	4306563	3692308	4615384
	502047	2	13	85	1179	1957	0	4810101	4615385	5538461
	1507860	2	5	90	1853	1486	0	6321097	5538462	6461538
	354559	1	12	70	1593	0	0	6678995	6461539	7384615
	1539327									
	886780	2	12	50	1820	1495	0	8219915	7384616	8307692
)	199405	1	12	65	1059	0	0	9110010	8307693	9230769
1	1320688	3	20	50	1671	1362	1110	9310474	9230770	10153846
2		2	17	50	1854	1362	0	10635305	10153847	11076923
3	811155	2	9	50	1951	1967	0	11449676	11076924	12000000
tal numbe	er of pulses in	n waveform = :	22							
				Type !	5 Radar W	/aveform	า_19			
veform Nu n of Burs	sts = 10									
rst inter rst	val (us)= 1200 Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	: Start Burst Interval(us	
	1030017	1	18	90	1525	0	0	1030017	0	1199999
	851782									
	1220059	3	11	75	1586	1871	1005	1883324	1200000	2399999
		1	5	65	1772	0	0	3107845	2400000	3599999
	494063					1620	1036		9500000	4799999
	1202715	3	16	50	1066	1620	1936	3603680	3600000	4 (99555
i		3	6	65	1654	1124	1438	4811017	4800000	5999999
i	2223994	3	14	70	1304	1839	1357	7039227	6000000	7199999
	1131545									
,		3	12	65	1875	1357	1434	8175272	7200000	8399999
	417403	1	18	70	1069	0	0	8597341	8400000	9599999
	2024510					4004		4000000		
	332034	2	6	50	1434	1071	0	10622920	9600000	10799999
		2	12	60	1760	1683	0	10957459	10800000	11999999
9 10	332034		12							



				Type	5 Radar V	Vaveforn	n_20			
aveform N	Num = 20 rsts = 12									
urst Inte	erval (us)= 100	0000	Claries	₽₩	Decl 1	D. 1 0	D1 2	Stt I	oc Start l	Posses Ford Posses
urst	Off Time (us) 942185	# Pulses	Chirp (MHz)	(us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Lo (us)	Interv	
1		1	6	65	1231	0	0	942185	0	999999
2	847375	2	16	65	1549	1014	0	1790791	10000	00 1999999
3	626128	2	14	75	1772	1721	o	2419482	20000	00 299999
ı	717488	3	10	60	1570	1575	1990	3140463	30000	00 399999
i	1144453	2	12	100	1492	1151	0	4290051	40000	00 4999999
;	1159889	3	11	90	1987	1824	1178	5452583	50000	00 5999999
,	1519835	3	16	95	1520	1196	1959	6977407		
:	487425	3	9	60	1227	1598	1244	7469507		
· I	540603	3		70	1866	1594	1837			
	1083730	-	18					8014179		
.0	1035908	1	7	90	1866	0	0	9103206		
11	1118561	2	15	85	1210	1818	0	1014098	30 10000	
.2 tal numb	per of pulses i	3 n waveform =	16 28	75	1670	1092	1235	1126256	9 11000	000 11999999
										
				Туре	5 Radar V	Vaveforn	n_21			
weform N	ium = 21									
	rval (us)= 7500	00								
rst	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	79715 1030308	1	17	90	1160	0	0	79715	0	749999
	869674	1	14	50	1057	0	0	1111183	750000	1499999
	767801	3	17	100	1819	1055	1748	1981914	1500000	2249999
	379962	2	8	70	1628	1780	0	2754337	2250000	2999999
i	1112706	3	17 5	95 65	1870 1764	1322 1063	1623 1439	3137707 4255228	3000000 3750000	3749999 4499999
	804025	1	6	80	1570	0	0	4266228 5063519	4500000	5249999
	422633	2	17	65	1094	1212	0	5487722	5250000	5999999
	577317	3	10	75	1882	1274	1741	6067345	6000000	6749999
0	762963 1150321	3	19	70	1294	1433	1133	6835205	6750000	7499999
1	567263	2	16	90	1021	1807	0	7989386	7500000	8249999
.2	1166822	3	9	50	1996	1698	1427	8559477	8250000	8999999
3	283314	3	13	50	1553	1587	1134	9731420	9000000	9749999
.4 .5	1093011	2	19 12	70 85	1399 1818	1666 1076	0 1998	10019008 11115084	9750000 10500000	10499999 11249999
6	350328	2	7	80	1895	1088	0	11470304	11250000	11249999
tal numb	er of pulses in	waveform = 3	7							
				Type	5 Radar V	Vaveforn	n 22			
				.,,,,	o rtada. I	14101011				
weform No m of Bura rst Inter	sts = 13	77								
ırst	Off Time	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	889699	2	15	50	1291	1934	0	889699	0	923076
	649791	1	5	80	1460	0	0	1542715	923077	1846153
	958829	3	10	80	1241	1547	1551	2503004	1846154	2769230
:		3	18	65	1721	1996	1361	3115810	2769231	3692307
:	608467	_		80	1806	1210	1370	3879925	3692308	4615384
: :	608467 759037	3	15	00	1000	1210				4010004
		3	15	90	1900	1261			461E39E	EE30461
	759037	2	11	80	1292	1261	0	5531187	4615385	5538461
	759037 1646876	2 1	11 12	50	1864	0	0	5619483	5538462	6461538
2 3 4 5 5 7	759037 1646876 85743	2 1 3	11 12 10	50 80	1864 1038	0 1805	0 1826	5619483 7144417	5538462 6461539	6461538 7384615
2 3 1 5 5 7 3	759037 1646876 85743 1523070	2 1 3 1	11 12 10 12	50 80 70	1864 1038 1576	0 1805 0	0 1826 0	5619483 7144417 7407551	5538462 6461539 7384616	6461538 7384615 8307692
	759037 1646876 85743 1523070 258465	2 1 3 1 2	11 12 10 12 10	50 80 70 95	1864 1038 1576 1082	0 1805 0 1686	0 1826 0	5619483 7144417 7407551 9133763	5538462 6461539 7384616 8307693	6461538 7384615 8307692 9230769
	759037 1646876 85743 1523070 258465 1724636	2 1 3 1	11 12 10 12 10 5	50 80 70 95 50	1864 1038 1576 1082 1611	0 1805 0 1686	0 1826 0 0	5619483 7144417 7407551 9133763 10066974	5538462 6461539 7384616 8307693 9230770	6461538 7384615 8307692 9230769 10153846
2 3 4 5 5 7	759037 1646876 85743 1523070 258465 1724636 930443	2 1 3 1 2	11 12 10 12 10	50 80 70 95	1864 1038 1576 1082	0 1805 0 1686	0 1826 0	5619483 7144417 7407551 9133763	5538462 6461539 7384616 8307693	6461538 7384615 8307692 9230769



				Туре	5 Radar V	Vaveforr	n_23			
	L = 00									
	sts = 10									
ırst Inte	erval (us)= 1200	0000								
ırst	Off Time	#	Chirp	PW .	Pulse 1	Pulse 2	Pulse 3	Start Lo		
	(us) 678162	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (u	
	686784	3	7	60	1538	1290	1669	678162	0	1199999
		3	20	55	1098	1981	1298	1369443	1200000	2399999
	1375563	1	15	100	1330	0	0	2749383	2400000	3599999
	886308									
	2356840	2	12	85	1892	1126	0	3637021	3600000	4799999
	159788	1	6	75	1422	0	0	5996879	4800000	5999999
		3	12	70	1459	1614	1318	6158089	6000000	7199999
	1395813	2	11	75	1000	1856	0	7558293	7200000	8399999
	1326953									
	910653	1	14	50	1210	0	0	8888102	8400000	9599999
		3	12	70	1595	1235	1484	9799965	9600000	10799999
0	1497959	1	7	60	1568	0	0	11302238	3 10800000	11999999
tal numb	er of pulses in	n waveform =	20			-1-1-1-				
, 		,-,- ,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-,-	-,-,	·-·-	·─··─ ─	 -				
				_						
				Type	5 Radar V	Vaveforr	n_24			
veform N n of Bur	sts = 18									
st Inte st	rval (us)= 6666 Off Time	#	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 325587	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
	451450	3	16	95	1550	1752	1479	325587	0	666666
	582655	1	20	80	1285	0	0	781818	666667	1333333
	1024645	3	12	85	1587	1765	1825	1365758	1333334	2000000
	658456	2	20	85	1155	1376	0	2395580	2000001	2666667
	756973	1	14 10	100 95	1005 1033	0	0	3056567 3814545	2666668 3333335	3333334 4000001
	559728	1 3	10	70	1033	1725	1684	3814545 4375306	4000002	466668
	411004	3	17	75	1625	1484	1535	4376306	4666669	5333335
	774581	3	15	75	1958	1736	1097	5570191	5333336	6000002
	693733	1	14	90	1843	0	0	6268715	6000003	666669
	1008928	2	11	85	1788	1644	0	7279486	6666670	7333336
	432520	3	17	60	1289	1529	1475	7715438	7333337	8000003
	780714	2	17	50	1095	1576	0	8500445	8000004	8666670
	425563	1	14	90	1325	0	0	8928679	8666671	9333337
i	930774	2	15	90	1906	1072	0	9860778	9333338	10000004
;	522647	2	20	100	1919	1818	0	10386403	10000005	10666671
	775082 167448	3	15	100	1379	1907	1275	11165222	10666672	11333338
al numb		1 waveform = 3	18	95	1751	0	0	11337231	11333339	12000005
		***************************************		**********		+-+:				
				-	5 D . 1 . 1/		05			
				туре	5 Radar V	vavetorr	n_25			
eform Notes	um = 25 sts = 17 rval (us)= 70588	32								
st inte	Off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc		nd Burst
	(us) 585961	Pulses	(MHz)	(us)	Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Interval(us) Ir	nterval (us)
	412883	3	19	55	1762	1243	1996	585961		705881
	424153	3	18	100	1172	1689	1699	1003845		411763
		2	15	90	1400	1009	0	1432558		2117645
	1298799	2	10	65 85	1957	1847	0	2733766		823527
	1298799 377032			85	1318	1694 1755	1988	3114602 3728850		3529409 1235291
		2	6	55	1645		1000	0120000		
	377032	2	19	55 75	1645 1836		0	4664000	4235292 4	1941173
	377032 611236 929762 812096	2 3 2	19 12	75	1836	1709	o 1121	4664000 5479641		1941173 6647055
	377032 611236 929762 812096 761598	2 3 2 3	19	75 70	1836 1130	1709 1578	1121	5479641	4941174 5	6647055
	377032 611236 929762 812096 761598 382446	2 3 2	19 12 10	75	1836	1709			4941174 5 5647056 6	
	377032 611236 929762 812096 761598 382446 995516	2 3 2 3 1	19 12 10 9	75 70 75	1836 1130 1102	1709 1578 0	1121 0	5479641 6245068	4941174 5 5647056 6 6352938 7	6647055 6352937
	377032 611236 929762 812096 761598 382446 995516 667057	2 3 2 3 1 2	19 12 10 9	75 70 75 70	1836 1130 1102 1208	1709 1578 0 1873	1121 0 0	5479641 6245068 6628616	4941174 5 5647056 6 6352938 7 7058820 7	6647055 3352937 7058819
:	377032 611236 929762 812096 761598 382446 995516 667057 681490	2 3 2 3 1 2	19 12 10 9 9	75 70 75 70 90	1836 1130 1102 1208 1818	1709 1578 0 1873	1121 0 0 0	5479641 6245068 6628616 7627213	4941174 5 5647056 6 6352938 7 7058820 7	5647055 5352937 7058819 7764701
2	377032 611236 929762 812096 761598 382446 995516 667057 681490 364212	2 3 2 3 1 2 1 3	19 12 10 9 9 16	75 70 75 70 90 100	1836 1130 1102 1208 1818 1450	1709 1578 0 1873 0 1244	1121 0 0 0 0 1049	5479641 6245068 6628616 7627213 8296088	4941174 5 5647056 6 6352938 7 7058820 7 7764702 8 8470584 9	5647055 5352937 7058819 7764701 5470583
L 2 3	377032 611236 929762 812096 761598 382446 995516 667057 681490 364212 703421	2 3 2 3 1 2 1 3	19 12 10 9 9 16 6	75 70 75 70 90 100	1836 1130 1102 1208 1818 1450	1709 1578 0 1873 0 1244	1121 0 0 0 1049	5479641 6245068 6628616 7627213 8296088 8981321	4941174 8 5647056 6 6352938 7 7058820 7 7764702 8 8470584 9	3647055 3352937 7058819 7764701 3470583 9176465
0 1 2 3 4 5 5	377032 611236 929762 812096 761598 382446 995516 667057 681490 364212	2 3 2 3 1 2 1 3 1	19 12 10 9 16 5 10 7	75 70 75 70 90 100 100 65	1836 1130 1102 1208 1818 1450 1913	1709 1578 0 1873 0 1244 0	1121 0 0 0 1049 0	5479641 6245068 6628616 7627213 8296088 8981321 9347446	4941174 8 5647056 6 6352938 7 7058820 7 7764702 8 8470584 9 9176466 9	6647055 6352937 7058819 1764701 8470583 9176465

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				Type :	5 Radar W	Vaveforn	n_26			
veform Nu	un = 26									
	um = 26 sts = 19 sval (us)= 6315	79								
erst	Off Time (us) 576313	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	256680	3	14	70	1093	1789	1248	576313	0	631578
	472217	3	7	90	1487	1519	1387	837123	631579	1263157
	1056408	2	15	60	1300	1235	0	1313733	1263158	1894736
	438233	3	11	50	1640	1626	1561	2372676	1894737	2526315
	874516	1	14	55	1877	0	0	2815736	2526316	3157894
	348846	2	13	90	1863	1200	0	3692129	3157895	3789473
	996866	2	8	50	1055	1132	0	4044038	3789474	4421052
	610901	1	6	50	1793	0	0	5043091	4421053	5052631
	449933	2	10 6	85	1193	1134	0	5655785	5052632 5684211	5684210
,	414854	2	12	55 70	1959 1585	1429 1776	0	6108045 6526287	6315790	6315789 6947368
	946287	1	7	50	1650	0	0	7475935	6947369	7578947
:	650731	3	5	95	1305	1345	1505	8128316	7578948	8210526
	127864	1	10	50	1576	0	0	8260335	8210527	8842105
,	1011253	3	16	75	1859	1220	1014	9273164	8842106	9473684
,	601558	2	5	50	1143	1366	0	9878815	9473685	10105263
,	524641	2	5	70	1805	1464	0	10405965	10105264	10736842
:	822834	2	20	90	1565	1502	0	11232068	10736843	11368421
	149873	1	12	75	1019	0	0	11385008	11368422	12000000
al numbe	er of pulses in	waveform = 3	38		*************					
				Type :	5 Radar W	Vaveforn	n_27			
eform Nu of Burs	m = 27 ts = 19 val (us)= 6315									
		79								
st	Off Time (us) 179815	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst I Interval(us)	End Burst Interval(us)
		3	8	90	1695	1203	1158	179815	0	631578
	638269	2	12	80	1612	1188	0	822140	631579	1263157
	670748 738602	2	7	95	1674	1396	0	1495688	1263158	1894736
	738602 653630	3	18	65	1978	1259	1333	2237360	1894737	2526315
	850275	1	18	80	1091	0	0	2895560	2526316	3157894
	416321	3	11	80	1322	1948	1860	3746926	3157895	3789473
	760960	3	7	75	1502	1094	1914	4168377	3789474	4421052
	456340	1	12	100	1108	0	0	4933847	4421053	5052631
	297437	3	12	60	1561	1040	1465	5391295	5052632	5684210
	1176795	2	16	80	1778	1760	0	5692798	5684211	6315789
	327862	2	5	55	1844	1494	0	6873131	6315790	6947368
	869186	3	19	75	1459	1686	1071	7204331	6947369	7578947
	370525	3	10	90	1451	1738	1897	8077733	7578948	8210526
	425907	2	10	90	1452	1874	0	8453344	8210527	8842105
	597289		15	100	1783	1183	1423	8882577	8842106	9473684
	1126385	3	18	95	1740	1066	1576	9484255	9473685	10105263
	381722	2	16	65	1071	1081	0	10615022	10105264	10736842
	636501	2	5	55	1843	1802	0	10998896	10736843	11368421
al numbe	r of pulses in	3 waveform = 46 Helelelelelelele	20 5 	85 ******	1243 ::::::::::::::::::::::::::::::::::::	1391 *	1154	11639042	11368422	12000000
				Type	5 Radar W	Vaveform	n 28			
eform Nu	ım = 28			. , , , ,						
of Burs	sts = 14 rval (us)= 8571							_		
	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
st	657496	1	15	55	1690	0	0	657496	0	857142
st	525088									
st	020000	2	8	60	1402	1105	0	1184274	857143	1714285
st	1306531		10	55	1932	1620	1909	2493312	1714286	2571428
st	1306531	3		85	1810	1044	0	2794151	2571429	3428571
st	1306531 295378	2	14			1146	0	3490452	3428572	4285714
st	1306531 295378 693447		14 19	75	1972					
st	1306531 295378 693447 1004593	2	19			0	0	4498163	4285715	5142857
st	1306531 295378 693447	2 2 1	19 18	80	1611	0	0	4498163 5334336	4285715	5142857
st	1306531 295378 693447 1004593	2 2 1 2	19 18 14	80 80	1611 1547	1894	0	5334336	5142858	6000000
st	1306531 295378 693447 1004593 834562 1319124	2 2 1	19 18	80	1611					
st	1306531 295378 693447 1004593 834562 1319124 444463	2 2 1 2	19 18 14	80 80	1611 1547	1894	0	5334336	5142858	6000000
	1306531 295378 693447 1004593 834562 1319124 444463 691241	2 2 1 2	19 18 14 9	80 80 95	1611 1547 1040	1894 0	0	5334336 6656901	5142858 6000001	6000000 6857143
	1306531 295378 693447 1004593 834562 1319124 444463 691241 1187064	2 2 1 2 1 3	19 18 14 9 20 14	80 80 95 50 70	1611 1547 1040 1977 1517	1894 0 1841 1478	0 0 1734 1111	5334336 6656901 7102404 7799197	5142858 6000001 6857144 7714287	6000000 6857143 7714286 8571429
	1306531 295378 693447 1004593 834562 1319124 444463 691241	2 2 1 2 1 3 3	19 18 14 9 20 14	80 80 95 50 70 65	1611 1547 1040 1977 1517	1894 0 1841 1478 0	0 0 1734 1111 0	5334336 6656901 7102404 7799197 8990367	5142858 6000001 6857144 7714287 8571430	6000000 6857143 7714286 8571429 9428572
st	1306531 295378 693447 1004593 834562 1319124 444463 691241 1187064	2 2 1 2 1 3 3	19 18 14 9 20 14 18	80 80 95 50 70 65 65	1611 1547 1040 1977 1517 1836 1131	1894 0 1841 1478 0 1807	0 0 1734 1111 0	5334336 6656901 7102404 7799197 8990367 9731030	5142858 6000001 6857144 7714287 8571430 9428573	6000000 6857143 7714286 8571429 9428572 10285715
	1906531 295378 693447 1004593 834562 1319124 444463 691241 1187064 738827	2 2 1 2 1 3 3	19 18 14 9 20 14	80 80 95 50 70 65	1611 1547 1040 1977 1517	1894 0 1841 1478 0	0 0 1734 1111 0	5334336 6656901 7102404 7799197 8990367	5142858 6000001 6857144 7714287 8571430	6000000 6857143 7714286 8571429 9428572



eform 1	Num = 29									
of Bur	rsts = 19 erval (us)= 631	579								
st	Off Time	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Lo	Start Bu Interval	
	245395	2	20	80	1438	1196	0	245395	0	631578
	505425	2	6	70	1207	1470	0	753454	631579	1263157
	914644	3	16	70	1511	1088	1125	1670775	1263158	1894736
	517380	2	18	65	1917	1891	0	2191879	1894737	2526315
	676810	3	5	85	1140	1056	1345	2872497	2526316	3157894
	823127	1	11	80	1663	0	0	3699165	3157895	3789473
	622876	2	11	95	1635	1521	0	4323704	3789474	4421052
	445435	1	7	65	1594	0	0	4772295	4421053	5052631
	807519	3	20	80	1492	1885	1773	5581408	5052632	5684210
	188587	2	17	70	1896	1686	0	5775145	5684211	6315789
	688332	3	18	65	1777	1337	1184	6467059	6315790	6947368
	669293	3	6	80	1205	1114	1226	7140650	6947369	7578947
	604898	3	14	80	1076	1047	1593	7749093	7578948	8210526
	684900	1	13	70	1072	0	0	8437709	8210527	8842105
	552678	3	20	90	1497	1789	1111	8991459	8842106	9473684
	684998	2	20	65	1742	1729	0	9680854	9473685	10105263
	994548	1	18	95	1896	0	0	1067887	1010526	4 10736842
	674276	1	6	50	1716	0	0	1135504	5 1073684	3 11368421
d num	456022	2 a waveform = 4	15 40	60	1989	1962	0	1181278	3 1136842	2 12000000
ıl numi			40 15 13 13 13 13 13 13			***		1181278:	3 1136842	2 1200000
form N	ber of pulses in the pulses in	a waveform = 4	40 15		5 Radar W	***		1181278:	3 1136842	12000000
form N of Bur	Num = 30 sts = 17 erval (us) = 7058	a waveform = 4	Chirp			***		Start Loc	3 1136342 Start Burst Interval(us)	End Burst Interval(us)
form N of Bur t Inte	tum = 30 csts = 17 crval (us) = 7058i (us) = 344310	a waveform = 4	Chirp	Type \$	5 Radar W	/aveforn	1_30	Start Loc	Start Burst	End Burst
form N of Bur t Inte	tum = 30 stts = 17 structus =	a waveform = 4	Chirp	Type (Pulse 1 Pri(us)	/aveforn	n_30	Start Loc	Start Burst Interval(us)	End Burst Interval (us)
form N of Bur	hum = 30 sets = 17 serval (us) = 70581 (us) = 344310 1046106 547251	a waveform = 4 HITTELLER 32 # Pulses 1	Chirp (Miz)	Type \$	Pulse 1 Pri(us)	/aveforn	Pulse 3 Pri(us)	Start Loc (us) 344310	Start Burst Interval(us)	End Burst Interval(us) 705881
form N of Bur	hum = 30 rete = 17 reval (us) = 7058 Off Time (us) 344310 1048106 547251 849462	# Pulses 1 3 3	Chirp (Miz) 13 20	Type {	Pulse 1 Pri (us) 1890 1701 1463	Pulse 2 Pri (us) 0 1754 1065	Pulse 3 Pri(us) 0 1301	Start Loc (uz) 344310 1392306 1944313	Start Burst Interval(us) O 705882 1411764	End Burst Interval(us) 705881 1411763 2117645
form N of Bur	hum = 30 sets = 17 serval (us) = 70581 (us) = 344310 1046106 547251	a waveform = 4	Chirp (MHz) 13 20 10	Type (PW (us) 80 90 60 60	Pulse 1 Pri (us) 1890 1701 1463 1284	Pulse 2 Pri(us) 0 1754 1065 1414	Pulse 3 Pri(us) 0 1301 1880	Start Loc (us) 344310 1392306 1944313 2798183	Start Burst Interval(us) O 705882 1411764 2117646	End Burst Interval(us) 705881 1411763 2117645 2823527
form N of Bur t Inte	hum = 30 rete = 17 reval (us) = 7058 Off Time (us) 344310 1048106 547251 849462	a waveform = 4 HITTHIFFE 32 # Pulses 1 3 3 3 2 2 2	Chirp (MHz) 13 20 10 10 20	Type \$	Pulse 1 Pri(us) 1890 1701 1463 1284 1825	Pulse 2 Pri(us) O 1764 1065 1414 1995	Pulse 3 Pri(us) 0 1301 1880 0	Start Loc (us) 344310 1392306 1944313 2798183 3516904	Start Burst Interval (us) O 705882 1411764 2117646 2823528	End Burst Interval(us) 705881 1411763 2117645 2823527 3529409
form N of Bur t Inte	tum = 30 stat = 17 stat = 17 stat = 17 stat = 17 off Time (us) 344310 1046106 547251 849462 716023	a waveform = 4 ##################################	Chirp (MHz) 13 20 10 10 20 20	Type \$	Pulse 1 Pri (us) 1890 1701 1463 1284 1825 1939	Pulse 2 Pri(us) 0 1754 1065 1414 1995 1960	Pulse 3 Pri(us) 0 1301 1880 0 0	Start Loc (us) 344310 1392306 1944313 2798183 3516804 4075060	Start Burst Interval (us) 0 705882 1411764 2117646 2823528 3529410	End Burst Interval(us) 705881 1411763 2117646 2823527 3529409 4235291
form N of Bur	tum = 30 sts = 17 strail (us) = 7058 Off Time (us) 344310 1045106 547251 849462 716023 554336	a waveform = 4 ##################################	Chirp (Mir) (Mir) 13 20 10 10 20 20 20	Type &	Pulse 1 Pari (us) 1890 1701 1463 1284 1825 1939 1784	Pulse 2 Pri(us) 0 1754 1065 1414 1995	Pulse 3 Pri(us) 0 1301 1880 0 0	Start Loc (ur) 344310 1392306 1944313 2798183 3516904 4075060 4428986	Start Burst Interval (us) 0 705882 1411764 2117646 2823528 3529410 4235292	End Burst Interval(us) 705881 1411763 2117645 2823527 3529409 4235291 4941173
form N of Bur t Inte	Num = 30 stst = 17 erval (us) = 70581 Off Time 344310 1046106 547251 849462 716023 554336 348481	a waveform = 4 # Pulses 1 3 2 2 2 3 1 3	Chirp (MHz) 13 20 10 10 20 20 13 14	Type \$	Pulse 1 Pri (us) 1890 1701 1463 1284 1825 1939 1784 1954	Pulse 2 Pri(us) 0 1754 1065 1414 1995 0 0	Pulse 3 Pri(us) 0 1301 1880 0 0 1546 0	Start Loc (us) 344310 1392306 1944313 2798183 3516904 4075060 4428986 5111815	Start Burst Interval(us) O 705882 1411764 2117646 2823528 3529410 4235292 4941174	End Burst Interval(us) 705881 1411763 2117645 2823527 3529409 4235291 4941173 5647055
form N of Bur	hum = 30 sets = 17 erval (us) = 7058 Off Time (us) 344310 1046106 547251 849462 716023 554336 348481 681045	a waveform = 4 ##################################	Chirp (MHz) 13 20 10 20 20 20 14	Type \$	Pulse 1 Pri (us) 1890 1701 1463 1284 1825 1939 1784 1954 1016	Pulse 2 Pri(us) O 1764 1065 1414 1996 1960 O 1494 1001	Pulse 3 Pri(us) 0 1301 1880 0 0 1546 0	Start Loc (us) 344310 1392306 1944313 2798183 3516904 4075060 4428986 5111815 5760618	Start Burst Interval (us) O 705882 1411764 2117646 2823528 3529410 4236292 4941174 5647056	End Burst Interval(us) 705881 1411763 2117645 2823527 3529409 4235291 4941173 5647055 6352937
form N of Bur t Inte	tum = 30 ste = 17 rrval (us) = 7058 Off Time (us) 344310 1046106 547251 849462 716023 554396 348481 681045 643396 744724	a waveform = 4 # Pulses 1 3 2 2 2 3 1 3	Chirp (MHz) 13 20 10 10 20 20 13 14	Type \$	Pulse 1 Pri (us) 1890 1701 1463 1284 1825 1939 1784 1954	Pulse 2 Pri(us) 0 1754 1065 1414 1995 0 0	Pulse 3 Pri(us) 0 1301 1880 0 0 1546 0	Start Loc (us) 344310 1392306 1944313 2798183 3516904 4075060 4428986 5111815	Start Burst Interval(us) O 705882 1411764 2117646 2823528 3529410 4235292 4941174	End Burst Interval(us) 705881 1411763 2117645 2823527 3529409 4235291 4941173 5647055
form N of Bur t Inte	Num = 30 stt = 17 srval (us) = 7058 Off Time (us) 344310 1046106 547251 849462 716023 554336 348481 681045 643396 744724 702818	a waveform = 4 ##################################	Chirp (MHz) 13 20 10 20 20 20 14	Type \$	Pulse 1 Pri (us) 1890 1701 1463 1284 1825 1939 1784 1954 1016	Pulse 2 Pri(us) O 1764 1065 1414 1996 1960 O 1494 1001	Pulse 3 Pri(us) 0 1301 1880 0 0 1546 0	Start Loc (us) 344310 1392306 1944313 2798183 3516904 4075060 4428986 5111815 5760618	Start Burst Interval (us) O 705882 1411764 2117646 2823528 3529410 4236292 4941174 5647056	End Burst Interval(us) 706881 1411763 2117645 2823527 3529409 4235291 4941173 5647055 6352937
form N of Bur t Inte	Num = 30 ************************************	a waveform = 4 ##################################	Chirp (MHz) 13 20 10 20 20 20 13 14 14	Pw (us) 80 90 60 65 55 56 60 95	Pulse 1 Pri (us) 1890 1701 1463 1284 1825 1939 1784 1954 1016 1409	Pulse 2 Pri(us) 0 1764 1065 1414 1995 1960 0 1494 1001	Pulse 3 Fri(us) 0 1301 1880 0 0 1546 0 1959 0	Start Loc (ue) 344310 1392306 1944313 2798183 3515904 4075060 4428986 5111815 5760618 6507359	Start Burst Interval(us) 0 705882 1411764 2813528 3529410 4235292 4941174 5647056 6352938	End Burst Interval(us) 705881 1411763 2117645 2823527 3529409 4235291 4941173 5647055 6352937 7058819
form N of Bur	hum = 30 star = 17 star = 17 star = 17 star = 17 off Time (us) 344310 1046106 547251 849462 716023 554336 348481 681045 643396 744724 702818 1034222 351591	a waveform = 4 # Pulses 1 3 3 2 2 3 1 3 2 1 1 3 1 1 3 1	Chirp (MHz) 13 20 10 10 20 20 13 14 14 10 8	Type \$ Pw (us) 80 90 60 60 55 55 60 95 85	Pulse 1 Pri(us) 1890 1701 1463 1284 1825 1939 1784 1954 1016 1409 1338	Pulse 2 Pri(us) 0 1754 1065 1414 1995 1960 0 1494 1001 0	Pulse 3 Px1(us) 0 1301 1880 0 0 1546 0 1959 0	Start Loc (us) 344310 1392306 1944313 2798183 3516504 4075060 4428986 5111815 5760618 6507359 7211586	Start Burst Interval (us) O 705882 14117646 2823628 3529410 4235292 4941174 56477056 6352938 7058820	End Burst Interval (us) 705881 1411763 2117646 2823627 3529409 4235291 4241173 5647055 6352937 7058819 7764701
form N of Bur	tum = 30 ste = 17 styl = 100 (of Time (us) 1046106 547251 849462 716023 554336 348481 681045 643396 744724 702818 1034222 351591 649504	######################################	Chirp (MHz) 13 20 10 10 20 20 20 13 14 14 10 8	Fw (us) 80 90 60 65 55 50 95 60 95 85 85 85	Pulse 1 Pri (us) 1890 1701 1463 1284 1825 1939 1784 1954 1016 1409 1338 1867	Pulse 2 Pri(us) 0 1754 1085 1414 1996 1980 0 1494 1001 0	Pulse 3 Pri(us) 0 1901 1880 0 0 1546 0 1959 0	Start Loc (us) 344310 1392306 1944313 2798183 3516904 4075060 4428986 5111815 5760618 6507359 7211586 8247146	Start Burst Interval (us) 0 705882 1411764 2117646 28235628 3529410 4235292 4941174 5647056 6352938 7058820 7764702	End Burst Interval(us) 705881 1411763 2117645 2822527 3529409 4235291 4941173 5647055 6352937 7058819 7764701 8470583
eform N	Aum = 30 stt = 17 rrval (us) = 7058 Off Time (us) 344310 1046106 547251 849462 716023 554336 348481 681045 643396 744724 702818 1034222 351591 649504 1234655	a waveform = 4 # Pulses 1 3 2 2 3 1 3 2 1 1 3 1 1 2	Chirp (MHz) 13 20 10 20 20 20 13 14 14 10 8 11	Type \$	Pulse 1 Pri (us) 1890 1701 1463 1284 1825 1939 1784 1954 1016 1409 1338 1867	Pulse 2 Pri(us) O 1764 1065 1414 1995 1980 O 1494 1001 O	Pulse 3 Pri(us) 0 1301 1880 0 0 1546 0 0	Start Loc (us) 344310 1392306 1944313 2798183 3516904 4075060 4428986 5111815 5760618 6507359 7211586 8247146 8600604	Start Burst Interval (us) O 705882 1411764 2823528 3529410 4235292 4941174 5647056 6352938 7058820 7764702 8470584	End Burst Interval(us) 705881 1411763 2117645 2823527 3529409 4235291 4941173 5647055 6352937 7058819 7764701 8470583 9176465
eform N of Bur	tum = 30 ste = 17 styl = 100 (of Time (us) 1046106 547251 849462 716023 554336 348481 681045 643396 744724 702818 1034222 351591 649504	######################################	Chirp (MHz) 13 20 10 20 20 20 13 14 14 10 8 11	Pw (us) 80 90 60 65 60 95 85 90 65	Pulse 1 Pri (ur) 1890 1701 1463 1284 1825 1939 1784 1954 1016 1409 1338 1867 1489	Pulse 2 Pri(us) 0 1764 1065 1414 1995 1980 0 1494 1001 0 0	Pulse 3 Pri(us) 0 1301 1880 0 0 1546 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Start Loc (uz) 344310 1392306 1944313 2798183 3516904 4075060 4428986 5111815 5760618 6507359 7211586 8247146 8600604 9252874	Start Burst Interval(us) 0 70582 1411764 2813528 3529410 4235292 4941174 5647056 6352938 7058820 7764702 8470584 9176466	End Burst Interval(us) 705881 1411763 2117645 2823527 3529409 4235291 4941173 5647055 6352937 7058819 7764701 8470583 9176465 9882347



Radar Type 6 - Radar Statistical Performance

Trail #	Test Freq.	1=Detection	Trail #	Test Freq.	1=Detection
	(MHz)	0=No Detection		(MHz)	0=No Detection
1	5311	1	16	5311	1
2	5311	1	17	5311	1
3	5311	1	18	5311	1
4	5311	1	19	5311	1
5	5311	1	20	5311	1
6	5311	1	21	5311	1
7	5311	1	22	5311	1
8	5311	1	23	5311	1
9	5311	1	24	5311	1
10	5311	1	25	5311	1
11	5311	1	26	5311	1
12	5311	1	27	5311	1
13	5311	1	28	5311	1
14	5311	1	29	5311	1
15	5311	1	30	5311	1
	Det	tection Percentage	(%)		100%





F	Radar waveform #	1	Radar waveform #2			
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)	
5	5293	15	3	5310	9	
9	5284	27	4	5292	12	
19	5319	57	6	5289	18	
23	5326	69	7	5318	21	
43	5339	129	12	5338	36	
46	5325	138	17	5324	51	
64	5286	192	18	5307	54	
73	5314	219	19	5305	57	
77	5321	231	26	5303	78	
82	5312	246	31	5332	93	
87	5305	261	32	5300	96	
88	5341	264	56	5301	168	
89	5288	267	63	5284	189	
97	5331	291	71	5335	213	
98	5330	294	81	5308	243	
			83	5336	249	





F	Radar waveform #	3	Radar waveform #4				
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)		
Number	(MHz)		Number	(MHz)			
2	5285	6	9	5303	27		
5	5289	15	10	5330	30		
12	5296	36	31	5324	93		
13	5303	39	32	5323	96		
15	5298	45	47	6334	141		
17	5316	51	52	5326	156		
43	5324	129	59	5337	177		
47	5300	141	62	5316	186		
48	5291	144	64	5288	192		
50	5332	150	66	5297	198		
60	5287	180	68	5310	204		
67	5322	201	74	5319	222		
72	5313	216	77	5332	231		
81	5336	243					
85	5312	255					
90	5340	270					
96	5334	288					





F	Radar waveform #	5	Radar waveform #6			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
0	5331	0	10	5336	30	
21	5332	63	12	5297	36	
23	5284	69	13	5328	39	
34	5294	102	29	5305	87	
58	5314	174	38	5302	114	
79	5311	237	45	5290	135	
83	5338	249	47	5333	141	
84	5318	252	54	5319	162	
96	5317	288	61	5324	183	
98	5336	294	68	5288	204	
			80	5309	240	
			83	5322	249	
			85	5312	255	
			95	5311	285	





F	Radar waveform #	7	Radar waveform #8				
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)		
Number	(MHz)		Number	(MHz)			
12	5336	36	13	5310	39		
13	5285	39	14	5325	42		
27	5300	81	24	5340	72		
28	5287	84	37	5319	111		
31	5302	93	40	5300	120		
37	5322	111	49	5301	147		
40	5332	120	51	5335	153		
43	5329	129	66	5305	198		
48	5321	144	72	5334	216		
49	5318	147	74	5294	222		
52	5339	156	91	5333	273		
57	5301	171					
60	5326	180	-				
71	5292	213					
76	5331	228					
81	5304	243					
83	5315	249					
97	5323	291					



F	Radar waveform #	9	Radar waveform #10			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
3	5341	9	3	5326	9	
6	5318	18	5	5293	15	
14	5302	42	13	5310	39	
16	5320	48	28	5289	84	
18	5321	54	29	5325	87	
27	5325	81	31	5321	93	
32	5291	96	34	5281	102	
43	5311	129	48	5318	144	
47	5338	141	58	5329	174	
53	5294	159	60	5306	180	
73	5332	219	62	5320	186	
80	5284	240	67	5300	201	
85	5309	255	78	5287	234	
89	5282	267	82	5284	246	
			89	5333	267	

R	adar waveform #1	l1	Radar waveform #12			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
9	5281	27	0	5295	0	
42	5309	126	6	5311	18	
54	5321	162	15	5327	45	
58	5328	174	36	5338	108	
84	5292	252	46	5306	138	
88	5315	264	51	5299	153	
92	5305	276	56	5287	168	
96	5283	288	57	5326	171	
			62	5330	186	
			68	5288	204	
			70	5290	210	





R	adar waveform #1	13	R	adar waveform #	14
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
2	5289	6	1	5311	3
5	5338	15	5	5319	15
7	5285	21	13	5307	39
10	5340	30	22	5333	66
13	5286	39	23	5295	69
14	5297	42	25	5308	75
17	5329	51	26	5300	78
21	5339	63	27	5304	81
23	5333	69	38	5341	114
37	5324	111	39	5306	117
38	5328	114	51	5327	153
46	5304	138	56	5330	168
47	5310	141	84	5294	252
59	5281	177	85	5303	255
61	5325	183			
65	5336	195			
70	5295	210			
83	5292	249			



R	adar waveform #1	15	R	adar waveform #	16
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
0	5294	0	15	5328	45
3	5321	9	19	5314	57
18	5319	54	24	5299	72
20	5316	60	27	5340	81
27	5338	81	43	5334	129
40	5325	120	45	5303	135
62	5308	186	48	5282	144
77	5289	231	53	5284	159
94	5337	282	62	5335	186
96	5330	288	69	5289	207
			71	5310	213
			94	5317	282

R	adar waveform #1	17	R	adar waveform #1	18
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
1	5302	3	6	5328	18
17	5308	51	9	5286	27
19	5318	57	36	5332	108
25	5323	75	45	5331	135
47	5298	141	54	5321	162
52	5327	156	58	5308	174
55	5326	165	63	5341	189
74	5335	222	75	5335	225
82	5320	246	77	5322	231
83	5290	249	85	5300	255
84	5295	252	86	5299	258
			91	5284	273
			97	514	291



R	adar waveform #1	19	R	adar waveform #2	20
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
22	5311	66	5	5309	15
50	5321	150	12	5304	36
53	5288	159	13	5305	39
60	5330	180	25	5281	75
63	5289	189	31	5329	93
70	5315	210	37	5283	111
71	5294	213	40	5287	120
72	5329	216	51	5296	153
83	5316	249	58	5316	174
85	5303	255	63	5335	189
90	5309	270	77	5298	231
			91	5303	273
			99	5300	297

R	Radar waveform #21			Radar waveform #22		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)	
2	5281	6	3	5288	9	
6	5322	18	9	5331	27	
10	5336	30	16	5300	48	
34	5304	102	39	5324	117	
38	5305	114	77	5302	231	
56	5300	168	86	5316	258	
57	5307	171	88	5335	264	
68	5312	204	89	5328	267	
78	5313	234	94	5315	282	
89	5310	267				
91	5293	273				
97	5283	291				
99	5340	297				



R	adar waveform #2	23	R	adar waveform #2	24
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
2	5302	6	5	5335	15
5	5296	15	15	5290	45
12	5341	36	24	5289	72
19	5291	57	34	5306	102
20	5281	60	37	5326	111
21	5327	63	44	5291	132
22	5310	66	48	5339	144
35	5314	105	53	5292	159
48	5331	144	65	5336	195
51	5285	153	70	5337	210
52	5313	156	89	5300	267
63	5338	189	90	5333	270
72	5301	216	91	5327	273
93	5290	279	92	5330	276
			93	5334	279

R	Radar waveform #25			Radar waveform #26		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)	
4	5291	12	19	5338	57	
7	5283	21	27	5299	81	
11	5319	33	30	5281	90	
21	5336	63	35	5332	105	
23	5309	69	42	5306	126	
29	5312	87	46	5286	138	
35	5296	105	47	5297	141	
50	5315	150	48	5335	144	
57	5294	171	67	5305	201	
75	5292	225	72	5301	216	
85	5340	255	83	5296	249	
95	5331	285	89	5324	267	
99	5317	297				

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R	adar waveform #2	27	R	adar waveform #2	28
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
13	5313	39	15	5285	45
16	5338	48	20	5305	60
20	5299	60	32	5322	96
35	5283	105	37	5290	111
39	5333	117	44	5332	132
40	5305	120	50	5330	150
54	5282	162	60	5296	180
63	5291	189	70	5314	210
70	5306	210	74	5303	222
72	5320	216	79	5338	237
92	5331	276	83	5336	249
97	5286	291	84	5329	252
			86	5299	258
			92	5326	276

R	adar waveform #2	29	R	adar waveform #3	30
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
2	5309	6	7	5339	21
7	5310	21	14	5309	42
19	5311	57	18	5308	54
22	5283	66	20	5338	60
30	5286	90	28	5329	84
57	5301	171	35	5328	105
59	5340	177	56	5302	168
60	5294	180	59	5304	177
61	5334	183	75	5312	225
63	5298	189	81	5330	243
			85	5323	255
			92	5333	276
			95	5299	285



Radar Statistical Performance for 802.11ac-VHT80

Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5491	1	618	86	1
2	5491	1	938	57	1
3	5491	1	818	65	1
4	5491	1	878	61	1
5	5491	1	538	99	1
6	5491	1	558	95	1
7	5491	1	698	76	1
8	5491	1	598	89	1
9	5491	1	858	62	1
10	5491	1	778	68	1
11	5491	1	658	81	1
12	5491	1	578	92	1
13	5491	1	718	74	1
14	5491	1	798	67	1
15	5491	1	918	58	1
16	5491	1	2189	25	1
17	5491	1	3042	18	1
18	5491	1	1025	52	1
19	5491	1	3060	18	1
20	5491	1	779	68	1
21	5491	1	1004	53	1
22	5491	1	1292	41	1
23	5491	1	2133	25	1
24	5491	1	2160	25	1
25	5491	1	688	77	1
26	5491	1	2495	22	1
27	5491	1	983	54	1
28	5491	1	1533	35	1
29	5491	1	2910	19	1
30	5491	1	2102	26	1
	Det	ection Percentage	(%)		100%

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Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5509	3.6	222	24	1
2	5509	3.0	197	23	1
3	5509	4.5	193	29	1
4	5509	3.2	225	25	1
5	5509	1.7	190	27	1
6	5509	1.7	167	28	1
7	5509	3.1	165	27	1
8	5509	4.3	168	29	1
9	5509	1.4	184	26	1
10	5509	2.7	197	25	1
11	5509	2.0	193	26	1
12	5509	1.8	173	29	1
13	5509	2.9	179	24	1
14	5509	1.5	193	29	1
15	5509	3.8	193	27	1
16	5509	1.1	191	28	1
17	5509	4.9	192	28	1
18	5509	2.1	211	23	1
19	5509	4.9	222	29	1
20	5509	3.1	161	26	1
21	5509	3.6	159	27	1
22	5509	4.8	188	26	1
23	5509	3.6	176	29	1
24	5509	1.3	154	27	1
25	5509	1.9	218	28	1
26	5509	4.7	196	29	1
27	5509	4.3	150	29	1
28	5509	2.7	165	26	1
29	5509	1.0	217	28	1
30	5509	3.3	204	23	1
	Det	ection Percentage	(%)		100%



Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)	(,		0=No Detection
1	5530	7.5	321	16	1
2	5530	9.2	357	17	1
3	5530	6.3	479	17	1
4	5530	9.9	335	16	1
5	5530	7.5	366	16	1
6	5530	9.5	285	16	1
7	5530	8.7	467	17	1
8	5530	7.7	273	16	1
9	5530	8.7	255	18	1
10	5530	10.0	289	16	1
11	5530	9.8	380	16	1
12	5530	6.1	383	18	1
13	5530	8.5	255	18	1
14	5530	6.7	278	17	1
15	5530	7.4	267	18	1
16	5530	7.0	314	17	1
17	5530	6.2	354	16	1
18	5530	7.1	458	18	1
19	5530	8.0	270	16	1
20	5530	7.7	341	18	1
21	5530	7.7	351	18	1
22	5530	6.3	419	17	1
23	5530	6.4	484	16	1
24	5530	9.9	410	16	1
25	5530	7.2	344	18	1
26	5530	8.9	430	16	1
27	5530	9.1	370	18	1
28	5530	8.9	344	17	1
29	5530	6.7	268	16	1
30	5530	7.1	258	18	1
	Det	ection Percentage	(%)		100%

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Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5545	13.9	15	15	1
2	5545	15.0	13	13	1
3	5545	17.7	12	12	1
4	5545	16.2	15	15	1
5	5545	16.3	12	12	1
6	5545	11.9	12	12	1
7	5545	17.0	13	13	1
8	5545	14.9	12	12	1
9	5545	14.4	15	15	1
10	5545	12.8	15	15	1
11	5545	12.0	13	13	1
12	5545	11.1	12	12	1
13	5545	18.8	14	14	1
14	5545	15.4	12	12	1
15	5545	18.3	15	15	1
16	5545	12.9	12	12	1
17	5545	19.2	16	16	1
18	5545	18.7	14	14	1
19	5545	19.2	12	12	1
20	5545	14.0	14	14	1
21	5545	15.0	16	16	1
22	5545	12.3	12	12	1
23	5545	16.6	16	16	1
24	5545	17.7	16	16	1
25	5545	12.2	15	15	1
26	5545	11.3	15	15	1
27	5545	15.2	14	14	1
28	5545	11.1	16	16	1
29	5545	19.3	12	12	1
30	5545	19.2	12	12	1
	Det	ection Percentage	(%)		100%

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test

waveforms is as follows:
$$\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4} = (100\% + 100\% + 100\% + 100\%)/4 = 100\% (>80\%)$$

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Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq.	1=Detection	Trail #	Test Freq.	1=Detection
	(MHz)	0=No Detection		(MHz)	0=No Detection
1	5551	1	16	5551	1
2	5551	1	17	5551	1
3	5551	1	18	5551	1
4	5551	1	19	5551	1
5	5551	1	20	5551	1
6	5551	1	21	5551	1
7	5551	1	22	5551	1
8	5551	1	23	5551	1
9	5551	1	24	5551	1
10	5551	1	25	5551	1
11	5551	1	26	5551	1
12	5551	1	27	5551	1
13	5551	1	28	5551	1
14	5551	1	29	5551	1
15	5551	1	30	5551	1
	Det	ection Percentage	(%)		100%

Waveform Num = 1 Num of Bursts = 10 Burst Interval (us)= 1200000											
urst	Off Time (us) 646150	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)	
1	1513018	2	10	75	1959	1755	0	646150	0	1199999	
2		3	11	50	1047	1274	1498	2162882	1200000	2399999	
3	1182604	3	18	95	1692	1228	1036	3349305	2400000	3599999	
4	383044	2	14	75	1254	1089	0	3736305	3600000	4799999	
5	1955283 786953	2	16	60	1407	1901	0	5693931	4800000	5999999	
6	900075	3	8	100	1079	1532	1781	6484192	6000000	7199999	
7	1587436	3	8	100	1445	1164	1259	7388659	7200000	8399999	
8	1691130	1	17	95	1997	0	0	8979963	8400000	9599999	
9	331089	1	8	80	1366	0	0	10673090	9600000	10799999	
10	er of pulses in	2	18	50	1853	1892	0	11005545	10800000	11999999	

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				Type	5 Radar \	Wavefori	m_2			
aveform N um of Bur										
urst Inte urst	rval (us)= 1000 Off Time	#	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Lo	c Start Bu	rst End Burst
шъс	(us) 662240	* Pulses	Chirp (MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval	(us) Interval(us
1	773181	2	8	60	1604	1443	0	662240	0	999999
2	1169863	3	14	70	1418	1707	1127	1438468	1000000	1999999
3	742630	2	12	80	1528	1345	0	2612583	2000000	299999
	1435757	3	13	50	1488	1256	1390	3358086	3000000	399999
	1087403	1	8	85	1024	0	0	4797977	4000000	4999999
	772786	2	11	90	1357	1828	0	5886404	5000000	599999
	506682	3	19	95	1184	1157	1341	6662375	6000000	6999999
	1150752	2	8	65	1455	1039	0	7172739	7000000	7999999
	1437778	1	17	100	1197	0	0	8325985	8000000	8999999
0	764335	1	12	90	1120	0	0	9764960	9000000	9999999
1	604802	3	5	55	1702	1749	1695	1053041	5 1000000	0 10999999
2 +al numb	er of pulses in	1 waveform =	24	95	1470	0	0	1114036	3 1100000	0 11999999

				Type	5 Radar \	Wavefori	m 3			
				-71			<u> </u>			
veform Nu n of Burs	ts = 12									
	val (us)= 10000		21 :	TOW	D 1 1	D 1 0	D 1 0	C	C D	
st	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)		End Burst Interval(us)
	422544	1	12	60	1972	0	0	422544	0	999999
	884505	3	6	50	1439	1492	1721	1309021	1000000	1999999
	1065027	2	12	65	1894	1587	0	2378700	2000000	2999999
	1104132	2	17	85	1502	1469	0	3486313	3000000	3999999
	1101513	2	19	95	1363	1473	0	4590797	4000000	4999999
	789279	1	13	50	1733	0	0	5382912	5000000	5999999
	1365257	3	17	75	1502	1527	1825	6749902	6000000	6999999
	532576	3	7	85	1444	1379	1050	7287332	7000000	7999999
	1175368	3	5	90	1787	1869	1088	8466573	8000000	8999999
	807953	3	18	75	1303	1043	1701	9279270	9000000	9999999
L	911547	1	13	100	1019	0	0	10194864	10000000	10999999
2	974288	3	20	70	1880	1878	1260	11170171	11000000	11999999
	r of pulses in	waveform = 27	,		**********		1200	11110111	1100000	11000000
ai numbe										
ai numbe				Type	5 Radar V	Wavefori	m 4			
				Туре	5 Radar \	Wavefori	m_4			
veform N	sts = 8	1000		Туре	5 Radar \	Wavefori	m_4			
veform N m of Bur	sts = 8 rval (us)= 1500		Chirn					Start Loc	Start Burs	t End Burst
veform N m of Bur	sts = 8 rwal (us)= 1500 Off Time (us)	0000 # Pulses	Chirp (MHz)	Type	Pulse 1 Pri(us)	Pulse 2 Pri(us)	M_4 Pulse 3 Pri(us)	Start Loc (us)	Start Burs Interval(u	
veform N m of Bur	sts = 8 rval (us)= 1500 Off _. Time	# Pulses	(MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	(us)	Interval (u	s) Interval(us)
veform N m of Bur rst Inte	sts = 8 rwal (us)= 1500 Off Time (us)	# Pulses 2	(MHz) 9	PW (us) 70	Pulse 1 Pri(us) 1468	Pulse 2 Pri(us) 1414	Pulse 3 Pri(us) O	(us) 370679	Interval (u 0	s) Interval(us) 1499999
veform N m of Bur	sts = 8 rval (us)= 1500 Off Time (us) 370679 2179207	# Pulses	(MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	(us)	Interval (u	s) Interval(us)
veform N m of Bur rst Inte	sts = 8 rval (us) = 1500 Off Time (us) 370679 2179207 765677	# Pulses 2	(MHz) 9	PW (us) 70	Pulse 1 Pri(us) 1468	Pulse 2 Pri(us) 1414	Pulse 3 Pri(us) O	(us) 370679	Interval (u 0	s) Interval(us) 1499999
veform N m of Bur rst Inte	sts = 8 rval (us)= 1500 Off Time (us) 370679 2179207	# Pulses 2 3	(MHz) 9 18 8	PW (us) 70 50 60	Pulse 1 Pri(us) 1468 1416 1678	Pulse 2 Pri(us) 1414 1246 1763	Pulse 3 Pri(us) 0 1597 1206	(us) 370679 2552768 3322704	Interval (u 0 1500000 3000000	1499999 2999999 4499999
veform N m of Bur rst Inte	sts = 8 rval (us) = 1500 Off Time (us) 370679 2179207 765677	# Pulses 2 3 3	(MHz) 9 18 8 19	PW (us) 70 50 60	Pulse 1 Pri(us) 1468 1416 1678 1876	Pulse 2 Pri(us) 1414 1246 1763 1029	Pulse 3 Pri(us) 0 1597 1206 1139	(us) 370679 2552768 3322704 4917123	Interval (u 0 1500000 3000000 4500000	1499999 2999999 4499999 5999999
veform N m of Bur rst Inte	sts = 8 rval (us)= 1500 Off Time (us) 370679 2179207 765677 1589772 2521924	# Pulses 2 3	(MHz) 9 18 8	PW (us) 70 50 60	Pulse 1 Pri(us) 1468 1416 1678	Pulse 2 Pri(us) 1414 1246 1763	Pulse 3 Pri(us) 0 1597 1206	(us) 370679 2552768 3322704	Interval (u 0 1500000 3000000	1499999 2999999 4499999
veform N m of Bur rst Inte	sts = 8 rval (us)= 1500 Off Time (us) 370679 2179207 765677 1589772 2521924 625953	# Pulses 2 3 3	(MHz) 9 18 8 19	PW (us) 70 50 60	Pulse 1 Pri(us) 1468 1416 1678 1876	Pulse 2 Pri(us) 1414 1246 1763 1029	Pulse 3 Pri(us) 0 1597 1206 1139	(us) 370679 2552768 3322704 4917123	Interval (u 0 1500000 3000000 4500000	1499999 2999999 4499999 5999999
veform N	sts = 8 rval (us)= 1500 Off Time (us) 370679 2179207 765677 1589772 2521924	#Pulses 2 3 3 3 3 3	(MHz) 9 18 8 19 15	PW (us) 70 50 60 55 70 65	Pulse 1 Pri(us) 1468 1416 1678 1876 1933	Pulse 2 Pri(us) 1414 1246 1763 1029 1423	Pulse 3 Pri(us) 0 1597 1206 1139 1820	(us) 370679 2552768 3322704 4917123 7443091 8074220	Interval (u 0 1500000 3000000 4500000 60000000 7500000	s) Interval(us) 149999 2999999 4499999 5999999 7499999 8999999
veform N m of Bur rst Inte	sts = 8 rval (us)= 1500 Off Time (us) 370679 2179207 765677 1589772 2521924 625953	# Pulses 2 3 3 3	(MHz) 9 18 8 19	PW (us) 70 50 60 55	Pulse 1 Pri(us) 1468 1416 1678 1876	Pulse 2 Pri(us) 1414 1246 1763 1029	Pulse 3 Pri(us) 0 1597 1206 1139	(us) 370679 2552768 3322704 4917123 7443091	Interval (u 0 1500000 3000000 4500000	s) Interval(us) 1499999 2999999 4499999 5999999 7499999

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				Type	5 Radar V	Vaveforn	n_5			
aveform Nu	um = 5									
	rval (us)= 1090 Off Time	909 #	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
180	(us) 132701	Fulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us	
	1783092	2	19	100	1580	1412	0	132701	0	1090908
	497515	1	20	60	1027	0	0	1918785	1090909	2181817
		3	16	55	1097	1451	1549	2417327	2181818	3272726
	898440	1	7	65	1386	0	0	3319864	3272727	4363635
	2088470	3	20	90	1249	1240	1198	5409720	4363636	5454544
	185007	2	14	70	1471	1637	0	5598414	5454545	6545453
	1487025	3	13	90	1371	1782	1036	7088547	6545454	7636362
	1094372	2	7	100	1745	1987	0	8187108	7636363	8727271
	741952	2	17	80	1814	1833	0	8932792	8727272	9818180
)	1950627	3	5	70	1626	1932	1658	10887066	9818181	10909089
	812520									
	er of pulses in			70 	1008 *********	o ≠=*	0	11704802	10909090	11999998
				<u> </u>						
				Туре	5 Radar V	Vavetorn	n_6			
veform Nu m of Burs rst Inter	um = 6 sts = 17 rval (us)= 7058	82								
rst	Off Time	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst E Interval(us)	ind Burst Interval(us)
	327620	1	7	70	1597	0	0	327620	0	705881
	499147 1018181	3	7	85	1591	1903	1274	828364	705882	1411763
	560792	2	9	95	1042	1969	0	1851313	1411764	2117645
	626018	1	14	80	1806	0	0	2415116	2117646	2823527
	766644	3	14 10	70 90	1843 1159	1927 1767	1986 0	3042940 3815340	2823528 3529410	3529409 4235291
	1039623	1	15	55	1024	0	0	4857889	4235292	4941173
	562093	3	9	60	1584	1203	1779	5421006	4941174	5647055
	892397	1	6	85	1800	0	0	6317969	5647056	6352937
)	683914 504410	1	9	85	1419	0	0	7003683	6352938	7058819
L	747623	3	12	100	1226	1971	1334	7509512	7058820	7764701
2	827511	3	20	95	1312	1098	1349	8261666	7764702	8470583
3	117552	2	5	80	1492	1042	0	9092936	8470584	9176465
1 5	1101451	1	18 15	65 95	1599 1348	1332 0	0	9213022 10317404	9176466 9882348	9882347 10588229
5	483036	2	14	60	1817	1934	0	10801788	10588230	11294111
? tal numbe	626645 er of pulses in	3 waveform = 34	18	50	1478	1856	1194	11432184	11294112	11999993
*******		******			***************************************					
				Туре	5 Radar V	Vaveforn	n_7			
	um = 7 sts = 19 rval (us)= 6315	579								
reform No m of Burs		# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
reform No a of Bur st Inter	Off Time			70	1684	1443	0	198433	0	631578
reform No m of Bur: rst Inte:	(us) 198433	2	8						631579	1263157
reform Na of Bur: sst Inte:	(us)	2 3	10	55	1574	1886	1024	839204		
reform N a of Bur: st Inte:	(us) 198433 637644	2 3 2	10 13	55 90	1574 1493	1278	0	1394884	1263158	1894736 2526315
reform N a of Bur: st Inte:	(us) 198433 637644 551196 906155 741706	2 3	10	55	1574					1894736 2526315 3157894
reform N n of Bur rst Inte:	(us) 198433 637644 551196 906155 741706 549741	2 3 2 1	10 13 14	55 90 65	1574 1493 1074	1278 0	0	1394884 2303810	1263158 1894737	2526315
reform N n of Bur rst Inte:	(us) 198433 637644 551196 906155 741706	2 3 2 1 2 2	10 13 14 17 15	55 90 65 80 60 95	1574 1493 1074 1089 1692 1092	1278 O 1500 1513 O	o o o	1394884 2303810 3046590 3598920 4316746	1263158 1894737 2526316 3157895 3789474	2526315 3157894 3789473 4421052
veform N n of Bur sat Inte: cst	(us) 198433 637644 551196 906155 741706 549741 714621	2 3 2 1 2 2 1	10 13 14 17 15 6	55 90 65 80 60 95 55	1574 1493 1074 1089 1692 1092 1863	1278 O 1500 1513 O 1458	0 0 0 0	1394884 2303810 3046590 3598920 4316746 4768950	1263158 1894737 2526316 3157895 3789474 4421053	2526315 3157894 3789473 4421052 5052631
rst	(ug) 198433 637644 651196 906155 741706 649741 714621 451112 743838 451526	2 3 2 1 2 2 1 2	10 13 14 17 15 6 6	55 90 65 80 60 95 55	1574 1493 1074 1089 1692 1092 1863 1728	1278 0 1500 1513 0 1458	o o o o	1394884 2303810 3046590 3598920 4316746 4768950 5516109	1263158 1894737 2526316 3157895 3789474 4421053 5052632	2526315 3157894 3789473 4421052 5052631 5684210
est	(ug) 198433 637644 551196 906155 741706 549741 714621 451112 743838 461526 929989	2 3 2 1 2 2 1	10 13 14 17 15 6	55 90 65 80 60 95 55	1574 1493 1074 1089 1692 1092 1863	1278 O 1500 1513 O 1458	0 0 0 0	1394884 2303810 3046590 3598920 4316746 4768950	1263158 1894737 2526316 3157895 3789474 4421053	2526315 3157894 3789473 4421052 5052631
rst O	(ug) 198433 637644 651196 906155 741706 649741 714621 451112 743838 451526	2 3 2 1 2 2 1 2 1 2	10 13 14 17 15 6 18 18	55 90 65 80 60 95 55 100	1574 1493 1074 1089 1692 1092 1863 1728	1278 0 1500 1513 0 1458 0	0 0 0 0 0 0 1543	1394884 2303810 3046590 3598920 4316746 4768950 5516109 5969363	1263158 1894737 2526316 3157895 3789474 4421053 5052632 5684211	2526315 3157894 3789473 4421052 5052631 5684210 6315789
0 1 2 3	(ug) 198433 637644 551196 906155 741706 549741 714621 451112 743838 451526 929989 355581	2 3 2 1 2 2 1 5 3 3 3 2 2 3	10 13 14 17 15 6 18 15 5	55 90 65 80 90 95 55 100 90 75 70	1574 1493 1074 1089 1692 1092 1863 1728 1381 1763 1387	1278 0 1500 1513 0 1458 0 1567 1502 1923 1812	0 0 0 0 0 0 0 1543 1905 0	1394884 2303810 3046590 3598920 4316746 4768950 5516109 5969363 6903843 7264584 8100790	1263168 1894737 2626316 3157895 3789474 4421053 5052632 5684211 6315790 6347369 7578948	2526315 3157894 3789473 4421052 5052631 5684210 6315789 6947368 7578947 8210526
0 1 2 3 4	(ug) 198433 637644 651196 906155 741706 549741 714621 451112 743838 451526 929989 365581 832926	2 3 2 1 2 2 1 2 1 3 3 2 2	10 13 14 17 16 6 18 15 5 9 16 5	55 90 65 80 60 95 55 100 90 75 70 100 80	1574 1493 1074 1089 1692 1092 1863 1728 1381 1763 1367 1476	1278 0 1500 1513 0 1458 0 1567 1502 1923 1812 1483	0 0 0 0 0 0 0 0 1543 1905 0	1394884 2303810 3046590 3598920 4316746 4768950 5516109 5969363 6903843 7264584 8100790 8736057	1263158 1894737 2626316 3157895 3789474 4421063 5062632 5684211 6315790 6947369 7678948 8210627	2526315 3157894 3789473 4421052 5052631 5684210 6315789 6947368 7578947 8210526
veform No of Burrer Inter	(ug) 198433 637644 551196 906155 741706 549741 714621 451112 743838 451526 929989 355581 832926 630492 208595 600130	2 3 2 1 2 2 1 5 3 3 3 2 2 3	10 13 14 17 15 6 18 15 5	55 90 65 80 90 95 55 100 90 75 70	1574 1493 1074 1089 1692 1092 1863 1728 1381 1763 1387	1278 0 1500 1513 0 1458 0 1567 1502 1923 1812	0 0 0 0 0 0 0 1543 1905 0	1394884 2303810 3046590 3598920 4316746 4768950 5516109 5969363 6903843 7264584 8100790	1263168 1894737 2626316 3157895 3789474 4421053 5052632 5684211 6315790 6347369 7578948	2526315 3157894 3789473 4421052 5052631 5684210 6315789 6947368 7578947 8210526
0 1 2 3 4 5	(up) 198433 637644 651196 906155 741706 649741 714621 451112 743838 451626 929989 355581 832926 630492 208595	2 3 2 1 2 2 1 2 1 3 3 2 3	10 13 14 17 16 6 18 15 5 9 16 5 11	55 90 65 80 60 95 55 100 90 75 70 100 80 85	1574 1493 1074 1089 1692 1092 1863 1728 1381 1753 1387 1475	1278 0 1500 1513 0 1458 0 1567 1502 1923 1812 1483 1105	0 0 0 0 0 0 0 1543 1905 0 1488 0	1394884 2303810 3046590 3598920 4316746 4768950 5516109 5969363 6903843 7264584 8100790 8736057 8948048	1263158 1894737 2526316 3157895 3789474 4421053 5052632 5684211 6315790 6347369 7578948 8210527 8842106	2526315 3157894 3789473 4421052 5052631 5684210 6315789 6947368 7578947 8210526 8842105 9473684



				Туре	5 Radar	Wavefor	rm_8			
eform N of Bur	Num = 8 :sts = 13 :rval (us)= 9230	77								
st	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	118227	2	17	55	1144	1461	0	118227	0	923076
	1324669	2	19	95	1938	1177	0	1445501	923077	1846153
	934839	3	6	80	1877	1288	1325	2383455	1846154	2769230
	1201721	1	8	95	1534	0	0	3589666	2769231	3692307
	685597	2	9	90	1975	1881	0	4276797	3692308	4615384
	1012712 1024538	1	17	60	1942	0	0	5293365	4615385	5538461
	385574	3	14	85	1089	1986	1788	6319845	5538462	6461538
	843097	2	17	55	1905	1317	0	6710282	6461539	7384615
	856105	2	10	70	1279	1082	0	7556601	7384616	8307692
	1709675	2	5	85	1034	1106	0	8415067	8307693	9230769
	454704	1	5	85	1850	0	0	10126882	9230770	10153846
	821902	2	14	85	1475	1105	0	10583436	10153847	11076923
l numb	er of pulses in	1 waveform = 2 ococooooo	19 24 	70 	1994 *******	0 ⇒*	0	11407918	11076924	12000000
				T	. F. D I	NA /	0			
				туре	5 Radar	waveror	rm_9			
	Num = 9 csts = 9									
	erval (us)= 133 Off Time	3333 #	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 315767	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
	1906649	3	9	85	1068	1176	1458	315767	0	1333332
		3	17	60	1437	1114	1821	2226118	1333333	2666665
	1710381	2	18	100	1776	1011	0	3940871	2666666	3999998
	1209620	1	20	100	1762	0	0	5153278	399999	5333331
	1429608									
	1217289	1	5	60	1617	0	0	6584648	5333332	6666664
	1459957	3	5	75	1411	1397	1919	7803554	6666665	7999997
	1028008	3	12	95	1907	1348	1569	9268238	7999998	9333330
		2	12	95	1413	1739	0	10301070	9333331	10666663
11	1002553	1	15	70	1853	0	0	11306775	10666664	11999996
	per of pulses in population					olok				
				Туре	5 Radar \	Wavefor	m_10			
	Jum = 10									
of Bur	sts = 8 erval (us)= 1500	0000								
of Bur t Inte	sts = 8 erval (us)= 1500 Off Time (us)	0000 # Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
of Bur t Inte	sts = 8 erval (us)= 1500 Off Time (us) 1156078	#								
of Bur t Inte	rsts = 8 erval (us)= 1500 Off Time (us) 1156078	# Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
of Bur t Inte	sts = 8 erval (us)= 1500 Off Time (us) 1156078	# Pulses 3	(MHz) 15 10	(us) 60 90	Pri (us) 1822 1517	Pri(us) 1152 0	Pri(us) 1320 0	(us) 1156078 2388280	Interval (us) 0 1500000	Interval (us) 1499999 2999999
of Bur t Inte	rsts = 8 erval (us)= 1500 Off Time (us) 1156078	# Pulses 3 1	(MHz) 15 10 11	(us) 60 90 80	Pri (us) 1822 1517 1250	Pri(us) 1152 0 1618	Pri(us) 1320 0 1418	(us) 1156078 2388280 4113024	Interval (us) 0 1500000 3000000	Interval (us) 1499999 2999999 4499999
of Bur t Inte	sts = 8 erval (us) = 1500 Off Time (us) 1156078 1227908 1723227 983103	# Pulses 3	(MHz) 15 10	(us) 60 90	Pri (us) 1822 1517	Pri(us) 1152 0	Pri(us) 1320 0	(us) 1156078 2388280	Interval (us) 0 1500000	Interval (us) 1499999 2999999
of Bur t Inte	sts = 8 erval (us)= 1500 Off Time (us) 1156078 1227908 1723227 983103 1889615	# Pulses 3 1	(MHz) 15 10 11	(us) 60 90 80	Pri (us) 1822 1517 1250	Pri(us) 1152 0 1618	Pri(us) 1320 0 1418	(us) 1156078 2388280 4113024	Interval (us) 0 1500000 3000000	Interval (us) 1499999 2999999 4499999
of Bur t Inte	sts = 8 erval (us) = 1500 Off Time (us) 1156078 1227908 1723227 983103	# Pulses 3 1 3	(MHz) 15 10 11	(us) 60 90 80 80	Pri (us) 1822 1517 1250 1669	Pri(us) 1152 0 1618	Pri(us) 1320 0 1418 0	(us) 1156078 2388280 4113024 5100413	Interval (us) 0 1500000 3000000 4500000	Interval (us) 1499999 2999999 4499999 5999999 7499999
of Bur t Inte	sts = 8 erval (us)= 1500 Off Time (us) 1156078 1227908 1723227 983103 1889615	# Pulses 3 1 3 1 1	(MHz) 15 10 11 6 15	(us) 60 90 80 80 100	Pri(us) 1822 1517 1250 1669 1227 1812	Pri(us) 1152 0 1618 0 0	Pri(us) 1320 0 1418 0 0	(us) 1156078 2388280 4113024 5100413 6991697 8126334	Interval (us) 0 1500000 3000000 4500000 60000000 7500000	Interval (us) 1499999 2999999 4499999 7499999 8999999
of Bur	sts = 8 rrval (us) = 1500 Off Time (us) 1156078 1227908 1723227 983103 1889615 1133410	# Pulses 3 1 3 1	(MHz) 15 10 11 6 15	(us) 60 90 80 80 100	Pri(us) 1822 1517 1250 1669 1227	Pri(us) 1152 0 1618 0	Pri(us) 1320 0 1418 0	(us) 1156078 2388280 4113024 5100413 6991697	Interval (us) 0 1500000 3000000 4500000	Interval (us) 1499999 2999999 4499999 5999999 7499999

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				Type !	5 Radar W	laveform	_11			
veform N m of Bur	sts = 14									
ırst Inte: ırst	rval (us)= 8571 Off Time	#	Chirp (MHz)	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 101672	Pulses		(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
	1599428	3	20	90	1866	1585	1521	101672	0	857142
	737511	1	10	90	1080	0	0	1706072	857143	1714285
	926426	1	7	60	1207	0	0	2444663	1714286	2571428
	323469	2	6	65	1378	1527	0	3372296	2571429	3428571
	1341503	1	16	100	1516	0	0	3698670	3428572	4285714
		2	11	75	1534	1813	0	5041689	4285715	5142857
	790339	2	11	55	1264	1876	0	5835375	5142858	6000000
	738506	3	12	100	1749	1969	1769	6577021	6000001	6857143
	528772	3	9	55	1540	1429	1943	7111280	6857144	7714286
	1199583	1	10	70	1364	0	0	8315775	7714287	8571429
1	420017	1	10	70	1313	0	0	8737156	8571430	9428572
2	905136	1	19	65	1874	0	0	9643605	9428573	10285715
3	1008607	2	14	50	1349	1697	0	10654086	10285716	11142858
	1279397									
4 tal numb	er of pulses in	3 n waveform = 2	20 16	95	1039	1221	1440	11936529	11142859	12000001
	***********				40404040404040	•				
				Type 5	5 Radar W	/aveform	_12			
veform N	Jum = 12 :sts = 18									
rst Inte	erval (us)= 666	667								
rst	Off Time (us) 360079	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Bu Interval	st End Burst (us) Interval(u
	360079 841450	2	17	55	1028	1305	0	360079	0	666666
	686891	1	12	65	1994	0	0	1203862	666667	1333333
	615486	1	11	95	1989	0	0	1892747	1333334	2000000
	769761	1	10	75	1142	0	0	2510222	2000001	2666667
	575083	3	15	50	1429	1728	1088	3281125	2666668	3333334
	251242	2	9	85	1874	1120	0	3860453	3333335	4000001
	707069	3	14	65	1392	1513	1151	4114689	4000002	466668
	783502	2	18	70	1414	1600	0	4825814	4666669	5333335
0	779916	2	13 17	75 65	1210 1675	1855 1775	0	5612330 6395311	5333336 6000003	6000002 6666669
1	418086	2	18	95	1519	1216	0	6816847	6666670	7333336
2	538566	1	10	90	1558	0	0	7358148	7333337	8000003
3	740584	3	12	65	1378	1957	1863	8100290	8000004	8666670
4	1004534	2	12	60	1274	1448	0	9110022	8666671	9333337
5	778672	2	14	85	1278	1725	0	9891416	9333338	10000004
6	701888	1	19	95	1754	0	0	10596307	10000000	10666671
7	167123	2	17	100	1754	1762	0	10765184	10666672	11333338
B tal numb	961734 per of pulses i	3 n waveform =	7 35	50	1398	1076	1839	11730434	11333333	12000005
							40			
				Type :	5 Radar W	avetorm	1_13			
reform N m of Bur rst Inte	um = 13 sts = 20 rval (us)= 6000 Off Time (us)	000	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 325488		(MHz)	PW (us)	Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Interval (us)	Interval (us)
	546541	1	16	60	1600	0	0	325488	0	59999
	494576	3 2	14 16	65 75	1854 1501	1483 1222	1492 0	873629 1373034	600000 1200000	1199999 1799999
	529469	3	15	80	1398	1713	1642	1905226	1800000	2399999
	690228	3	16	65	1224	1412	1827	2600207	2400000	2999999
	474766	2	7	50	1152	1646	0	3079436	3000000	3599999
	991521	1	5	60	1673	0	0	4073755	3600000	4199999
	703585 420812	3	18	60	1409	1646	1391	4779013	4200000	4799999
	420812 418271	1	8	95	1065	0	0	5204271	4800000	5399999
0	629736	3	7	95	1618	1641	1289	5623607	5400000	5999999
1	526857	2	18	85	1478	1754	0	6257891	6000000	6599999
2	789904	3	14	100	1638	1281	1204	6787980	6600000	7199999
3	394687	1	16	70	1427	0	0	7582007	7200000	7799999
	578686	1	17	70	1471	0	0	7978121	7800000	8399999
	575184	2 3	5 13	55 55	1185 1997	1022 1924	0 1432	8558278 9135669	8400000 9000000	899999 9599999
5	010104				2001	Acres 18	1406	2100000	200000	2022233
5 6	638683	1	10	65	1244	0	0	9779705	9600000	10199999
4 5 6 7 8	638683 633979			65 90	1244 1094	o 1581	0	9779705 10414928	9600000 10200000	10199999 10799999
5 6 7	638683	1	10							



				Type 5	Radar W	aveform	_14			
weform No m of Bur: rst Inte:	um = 14 sts = 17 rval (us)= 7058	82								
rst	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	209709	2	9	70	1718	1593	0	209709	0	705881
	1021087	3	20	65	1725	1866	1472	1234107	705882	1411763
	830597	1	11	70	1223	0	0	2069767	1411764	2117645
	266507	1	11	100	1464	0	0	2337497	2117646	2823527
	649014	3	20	85	1449	1573	1905	2987975	2823528	3529409
	794314	3	14	75	1627	1104	1429	3787216	3529410	4235291
	456263	1	8	75	1342	0	0	4247639	4235292	4941173
	1219701	1	15	50	1104	0	0	5468682	4941174	5647055
	431387	1	18	100	1441	0	0	5901173	5647056	6352937
,	1126164	3	14	85	1282	1996	1055	7028778	6352938	7058819
	606452	3	8	60	1099	1822	1808	7639563	7058820	7764701
	795272									
	422062	2	7	70	1695	1288	0	8439564	7764702	8470583
	890825	3	9	80	1974	1942	1412	8864609	8470584	9176465
	530751	2	11	65	1944	1927	0	9760762	9176466	9882347
	698006	3	14	75	1763	1434	1783	10295384	9882348	10588229
	391226	3	16	100	1219	1867	1895	10998370	10588230	11294111
al numb	er of pulses in	1 .waveform = 3	18 36	55	1554	0	0	11394577	11294112	11999993
++++++++	*****		 	+++++++++++++++++++++++++++++++++++++	**********	*				
				Type 5	Radar W	aveform	_15			
eform N	fum = 15 sts = 14									
st Inte	rval (us)= 857:	143								
st	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burs Interval(u	t End Burst s) Interval(
	146312					0			0	857142
	1465427	1	19	75	1222		0	146312	-	
	104268	2	5	50	1349	1278	0	1612961	857143	1714285
	1030196	1	20	85	1097	0	0	1719856	1714286	2571428
		2	9	80	1201	1246	0	2751149	2571429	3428571
	1451823	3	20	80	1460	1593	1177	4205419	3428572	4285714
	348595	3	6			1938	1937	4558244	4285715	5142857
	587526			50	1292					
	994276	2	18	65	1426	1820	0	5150937	5142858	6000000
	805344	1	8	85	1152	0	0	6148459	6000001	6857143
		3	16	80	1287	1222	1899	6954955	6857144	7714286
	1570776	2	14	70	1790	1303	0	8530139	7714287	8571429
	620535	3	9	75	1304	1873	1275	9153767	8571430	9428572
	1047405	3			1903		1983	10205624	9428573	10285715
	419638		18	55		1995				
	1288991	2	11	75	1520	1675	0	10631143	10285716	11142858
al rumi	er of pulses in	1 waveform =	8 29	70	1205	0	0	11923329	11142859	12000001

				Type 5	Radar W	aveform	_16			
eform N	ium = 16									
of Bur	sts = 13 rval (us)= 9230		_						_	
st	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	294533		7	100	1662	0	0	294533	0	923076
	777353	1								
	1318201	1	11	70	1505	0	0	1073548	923077	1846153
	889254	1	13	80	1983	0	0	2393254	1846154	2769230
		1	12	95	1794	0	0	3284491	2769231	3692307
	672187	1	15	75	1829	0	0	3958472	3692308	4615384
	1505827									
	409246	3	10	90	1470	1554	1265	5466128	4615385	5538461
		2	9	90	1390	1333	0	5879663	5538462	6461538
	1100000		6	75	1222	0	0	7080352	6461539	7384615
	1197966	1			1980	0	0	8242814	7384616	8307692
	1197966 1161240		17		1500	~	~	0245014	,004010	
		1	17	80						
	1161240 424485		17 5	75	1268	0	0	8669279	8307693	9230769
	1161240 424485 1110888	1			1268 1632	0	0	8669279 9781435	8307693 9230770	9230769 10153846
	1161240 424485 1110888 650995	1	5	75						
	1161240 424485 1110888	1 1 1	5 6	75 70	1632	0	0	9781435	9230770	10153846



				Type	5 Radar V	Vaveform	1_17			
	Num = 17									
	rsts = 10 erval (us)= 1200	0000								
st	Off Time	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	606315	2	17	100	1165	1710	0	606315	0	1199999
	1510201	3	8	85	1674	1410	1101	2119391	1200000	2399999
	1310434	1	11	75	1979	0	0	3434010	2400000	3599999
	1347269	3	15	60	1454	1775	1642	4783258	3600000	4799999
	701381	3	17	85	1694	1495	1474	5489510	4800000	5999999
	881724	2	9	50	1682	1467	0	6375897	6000000	7199999
	1863259	1	19	70	1034	0	0	8242305	7200000	8399999
	821414	1	15	50	1873	0	0	9064753	8400000	9599999
	1491437	1	7	80	1904	0	0	10558063	9600000	10799999
	1102569	1	5	55	1383	0	0	11662536	10800000	11999999
	ber of pulses ir	n waveform = 1	18				•	11002000	10000000	11333333
				Type :	5 Radar V	Vaveform	า_18			
eform !	Num = 18									
of Bur	rsts = 8 erval (us)= 1500	1000								
st	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	74699	2	10	80	1766	1562	0	74699	0	1499999
	2593753									
	659105	2	15	80	1481	1180	0	2671780	1500000	2999999
	1441689	1	11	75	1856	0	0	3333546	3000000	4499999
		1	13	50	1386	0	0	4777091	4500000	5999999
	2389581	2	17	90	1903	1547	0	7168058	6000000	7499999
	502813	3	7	75	1645	1888	1942	7674321	7500000	8999999
	2100561	2	16	70	1291	1665	0	9780357	9000000	10499999
	731585									
al numb	ber of pulses in	2 n waveform = 1	.5	50	1456	1566	0	10514898	10500000	11999999
						ok:				
				Type	5 Radar V	Vaveform	ո_19			
eform N	Num = 19									
of Bur	Num = 19 rsts = 12 erval (us)= 1000	0000				Pulse 2	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us
of Bur	rsts = 12 erval (us)= 1000 Off Time (us)	0000 # Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pri(us)				999999
of Bur	rsts = 12 erval (us)= 1000 Off Time (us) 507899	#	Chirp (MHz) 16		Pulse 1 Pri(us) 1941	Pri(us) O	0	507899	0	
of Bur	rsts = 12 erval (us)= 1000 Off Time (us) 507899 1176322	# Pulses		(us)	Pri(us)	Pri(us)		507899 1686162	0	1999999
of Bur	rsts = 12 erval (us)= 1000 Off Time (us) 507899 1176322 947297	# Pulses 1	16	(us) 95	Pri (us) 1941	Pri(us) O	0			
of Bur	rsts = 12 erval (us) = 1000 Off Time (us) 507899 1176322 947297 891794	# Pulses 1	16 15	(us) 95 95	Pri (us) 1941 1073	Pri(us) 0 1373	0 1357	1686162	1000000	1999999
of Bur	rsts = 12 erval (us)= 1000 Off Time (us) 507899 1176322 947297 891794 773062	# Pulses 1 3	16 15 11	(us) 95 95 85	Pri(us) 1941 1073 1692	Pri(us) 0 1373 0	0 1357 0	1686162 2637262	1000000 2000000	1999999 2999999
of Bur	rsts = 12 erval (us)= 1000 Off Time (us) 507899 1176322 947297 891794 773062 1626679	# Pulses 1 3 1	16 15 11 20	(us) 95 95 85 100	Pri (us) 1941 1073 1692 1695	Pri(us) 0 1373 0	0 1357 0 0	1686162 2637262 3530748	1000000 2000000 3000000	1999999 2999999 3999999
of Bur	rsts = 12 erval (us)= 1000 Off Time (us) 507899 1176322 947297 891794 773062 1626679 768787	# Pulses 1 3 1 2	16 15 11 20 17	(us) 95 95 85 100 70	Pri (us) 1941 1073 1692 1695 1267	Pri(us) 0 1373 0 0 1247	0 1357 0 0	1686162 2637262 3530748 4305505	1000000 2000000 3000000 4000000	1999999 2999999 3999999 4999999
of Bur	rsts = 12 erval (us)= 1000 Off Time (us) 507899 1176322 947297 891794 773062 1626679	# Pulses 1 3 1 1 2 1 3	16 15 11 20 17 7 6	(uz) 95 95 85 100 70 90 95	Pri(us) 1941 1073 1692 1695 1267 1416 1999 1871	Pri(us) 0 1373 0 0 1247 0 1477 1581	0 1357 0 0 0 0 0 1156	1686162 2637262 3530748 4305505 5934698 6705901 7491211	1000000 2000000 3000000 4000000 5000000 6000000	1999999 2999999 3999999 4999999 6999999 79999999
of Bur	rets = 12 erval (us) = 1000 Off Time (us) 507899 1176322 947297 891794 773062 1626679 769787	# Pulses 1 3 1 1 2 1 3 2 1	16 15 11 20 17 7 6 10	(us) 95 95 85 100 70 90 95 95 55	Pri(us) 1941 1073 1692 1695 1267 1416 1999 1871 1205	Pri(us) 0 1373 0 0 1247 0 1477 1581	0 1357 0 0 0 0 0 1156 0	1686162 2637262 3530748 4305505 5934698 6705901 7491211 8124093	1000000 2000000 3000000 4000000 5000000 6000000 7000000 8000000	1999999 2999999 3999999 4999999 5999999 6999999 7999999
of Bur	rets = 12 erval (us) = 1000 Off Time (us) 507899 1176322 947297 891794 773062 1626679 769787 780678 629430	# Pulses 1 3 1 1 2 1 3 2 1	16 15 11 20 17 7 6 10 6	(us) 95 95 85 100 70 90 95 95 55	Pri(us) 1941 1073 1692 1695 1267 1416 1999 1871 1205 1360	Pri(us) 0 1373 0 0 1247 0 1477 1581 0	0 1357 0 0 0 0 0 1156 0	1686162 2637262 3530748 4305505 5934698 6705901 7491211 8124093 9867293	1000000 2000000 3000000 4000000 5000000 6000000 7000000 8000000	1999999 2999999 3999999 4999999 5999999 6999999 8999999 9999999
of Bur	rests = 12 erval (us) = 1000 Off Time (us) 507899 1176322 947297 891794 773062 1626679 769787 780678 629430 1741995	# Pulses 1 3 1 1 2 1 3 2 1	16 15 11 20 17 7 6 10	(us) 95 95 85 100 70 90 95 95 55	Pri(us) 1941 1073 1692 1695 1267 1416 1999 1871 1205	Pri(us) 0 1373 0 0 1247 0 1477 1581	0 1357 0 0 0 0 0 1156 0	1686162 2637262 3530748 4305505 5934698 6705901 7491211 8124093	1000000 2000000 3000000 4000000 5000000 6000000 7000000 8000000	1999999 2999999 3999999 4999999 5999999 6999999 7999999



				Type !	Radar W	aveform	_20			
veform Nu	ım = 20									
rst Inter rst	um = 20 sts = 20 sval (us)= 6000 Off Time (us) 492463	# .	Chirp (MHz)	₽₩	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3	Start Loc (us)	Start Burst	t End Burst
	(us) 492463	Pulses 2	(MHz)	(us) 95	Pri(us) 1704	Pri(us) 1339	Pri(us)	(us) 492463	Interval (us	s) Interval(u: 500000
	156419	2	7	65	1300	1881	0	492465 651925	600000	1199999
	779710	1	5	90	1058	0	0	1434816	1200000	1799999
	630915	1	8	85	1311	0	0	2066789	1800000	2399999
	482876 784600	3	10	55	1281	1657	1599	2550976	2400000	2999999
	811222	3	19	100	1501	1693	1460	3340113	3000000	3599999
	153320	3	19	90	1268	1277	1366	4155989	3600000	4199999
	937037	1	10	60	1689	0	0	4313220	4200000	4799999
	408426	3	8	95	1461	1468	1235	5251946	4800000 5400000	5399999
L	359587	1 2	17 5	70 60	1165 1821	0	0	5664536 6025288	6000000	599999 659999
	643497	1	14	95	1725	0	0	6671692	6600000	7199999
	833020	2	20	75	1061	1281	0	7506437	7200000	7799999
	863949	1	17	50	1163	0	0	8372728	7800000	8399999
5	237942	3	11	70	1907	1214	1370	8611833	8400000	8999999
3	485804 831446	3	14	95	1620	1580	1822	9102128	9000000	9599999
7	831446 735005	2	19	70	1752	1810	0	9938596	9600000	10199999
3	456747	3	14	90	1454	1924	1441	10677163	10200000	10799999
•	417917	3	7	50	1266	1126	1977	11138729	10800000	11399999
al numbe	er of pulses in	waveform = 4	16 41	70	1561	0	0	11561015	11400000	11999999
					*****	organi -				
				Type !	5 Radar W	aveform	_21			
eform Nu	um = 21									
of Burs	ts = 8 val (us)= 1500	000								
	ORR TILL		Cl. :	DIF	D-1 1	D1 0	D-1 0	C++ T	C++ B+	F- 1 B
st	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)		End Burst Interval(us)
	829073	141303	(MILZ)	(45)	111(43)	111(45)	111(03)	(45)	Intervar(ds)	Interval(ds)
		2	9	55	1585	1416	0	829073	0	1499999
	1175345		10	0.5	1405	1000	1004	0008440	1500000	0000000
	1483545	3	10	85	1497	1232	1324	2007419	1500000	2999999
	1400040	3	9	100	1158	1245	1859	3495017	3000000	4499999
	1778758	-	-							
	4500511	1	10	70	1326	0	0	5278037	4500000	5999999
	1590703	2	13	75	1589	1437	0	6870066	6000000	7499999
	1315074	_	20	.5	1000	2401	v	30,000	2000000	. 100000
		1	9	60	1839	0	0	8188166	7500000	8999999
				75	1550	1.451	0	10057016	8000000	10/00000
	2067811	0	16	75	1558	1451	0	10257816	9000000	10499999
		2	16							
	2067811 1237938	2	16 15	95	1521	0	0	11498763	10500000	11999999
	1237938 or of pulses in	1 waveform = 1	15 5	95			0	11498763	10500000	11999999
	1237938 or of pulses in	1 waveform = 1	15 5	95	1521		0	11498763	10500000	11999999
	1237938 or of pulses in	1 waveform = 1	15 5	95			0	11498763	10500000	11999999
	1237938 or of pulses in	1 waveform = 1	15 5	95 ******		*		11498763	10500000	11999999
	1237938 or of pulses in	1 waveform = 1	15 5	95 ******		*		11498763	10500000	11999999
eform Nu	1237938 er of pulses in thicking thicking thicking thicking thicking thicking thicking thicking the second control of the second c	1 waveform = 1 kikikikikikikikiki ki	15 5	95 ******		*		11498763	10500000	11999999
eform Nu of Burs st Inter	1237938 or of pulses in	1 waveform = 1	15 5 **********************************	95 Type (5 Radar W	Vaveform	1_ 22	Start Loc	Start Burst	End Burst
eform Nu of Burs st Inter	1237938 er of pulses in chthickhickhickhick um = 22 etts = 12 val (us)= 1000	1 waveform = 1	15 5 **********************************	95 Type (FW (us)	5 Radar W	Pulse 2	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
eform Nu of Burs st Inter	1237938 er of pulses in ***********************************	1 waveform = 1	15 5 **********************************	95 Type (5 Radar W	Vaveform	1_ 22	Start Loc	Start Burst	End Burst
eform Nu of Burs st Inter	1237938 er of pulses in ***********************************	1 waveform = 1	15 5 **********************************	95 Type (FW (us)	5 Radar W	Pulse 2	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
eform Nu of Burs st Inter	1237938 er of pulses in ***********************************	1 waveform = 1 **********************************	15 5 **********************************	95 Type (PW (us) 60 75	Pulse 1 Pri(us) 1625 1790	Pulse 2 Pri(us) 1268	Pulse 3 Pri (us) 0 0	Start Loc (us) 81551 1708405	Start Burst Interval(us) 0 1000000	End Burst Interval(us) 999999 1999999
eform Nu of Burs st Inter	1237938 er of pulses in ***********************************	1 waveform = 1 **********************************	15 5 **********************************	95 Type (PW (us) 60 75 60	Fulse 1 Pri(us) 1625 1790 1782	Pulse 2 Pri (us) 1268 0 1351	Pulse 3 Pri(us) 0 0	Start Loc (us) 81551 1708405 2978569	Start Burst Interval(us) 0 1000000 2000000	End Burst Interval(us) 999999 1999999 2999999
eform Nu of Burs st Inter	1237938 or of pulses in ***********************************	1 waveform = 1 **********************************	15 5 **********************************	95 Type (PW (us) 60 75	Pulse 1 Pri(us) 1625 1790	Pulse 2 Pri(us) 1268	Pulse 3 Pri (us) 0 0	Start Loc (us) 81551 1708405	Start Burst Interval(us) 0 1000000	End Burst Interval(us) 999999 1999999
eform Nu of Burs st Inter	1237938 or of pulses in http://distriction.com/ command of the co	1 waveform = 1 **********************************	15 5 **********************************	95 Type (PW (us) 60 75 60	Fulse 1 Pri(us) 1625 1790 1782	Pulse 2 Pri (us) 1268 0 1351	Pulse 3 Pri(us) 0 0	Start Loc (us) 81551 1708405 2978569	Start Burst Interval(us) 0 1000000 2000000	End Burst Interval(us) 999999 1999999 2999999
eform Nu of Burs st Inter	1237938 or of pulses in the state of the st	1 waveform = 1 **********************************	15 5 **********************************	95 Type (PW (us) 60 75 60 75	Pulse 1 Pri(us) 1625 1790 1782 1201	Pulse 2 Pri (us) 1268 0 1351 1544	Pulse 3 Pri(us) 0 0 1487	Start Loc (us) 81551 1708405 2978569 3862526	Start Burst Interval(us) 0 1000000 2000000 3000000	End Burst Interval(us) 999999 1999999 2999999 3999999
eform Nu of Burs st Inter	1237938 or of pulses in http://distriction.com/ command of the co	1 waveform = 1 ***********************************	Chirp (HHz) 8 14 5 5 12 5	Pw (us) 60 75 60 75 95	Pulse 1 Pri(us) 1625 1790 1782 1201 1632 1828	Pulse 2 Pri (us) 1268 0 1351 1544 0	Pulse 3 Pri(us) 0 0 1487 0	Start Loc (us) 81551 1708405 2978569 3862526 4934474 5358469	Start Burst Interval(us) 0 1000000 2000000 3000000 4000000 50000000	End Burst Interval(us) 999999 1999999 2999999 3999999 4999999 5999999
eform Nu of Burs st Inter	1237938 or of pulses in the state of the st	1 waveform = 1 ***********************************	Chirp (MHz) 8 14 5 5 12 5 20	Pw (us) 60 75 60 75 90 50	Pulse 1 Pri(us) 1625 1790 1782 1201 1632 1828 1185	Pulse 2 Pri (us) 1268 0 1351 1544 0 1992	Pulse 3 Pri(us) 0 0 1487 0 0	Start Loc (us) 81551 1708405 2978569 3862526 4934474 5358469 6951145	Start Burst Interval(us) 0 1000000 2000000 3000000 4000000 50000000	End Burst Interval(us) 999999 1999999 2999999 3999999 4999999 5999999
eform Nu of Burs st Inter	1237938 or of pulses in http://distriction.com/ or = 22 cts = 12 val (us) = 1000 Off Time (us) 81551 1623961 1268374 879337 1069203 422363 1588856 1027920	1 waveform = 1 ***********************************	Chirp (HHz) 8 14 5 5 12 5	Pw (us) 60 75 60 75 95	Pulse 1 Pri(us) 1625 1790 1782 1201 1632 1828	Pulse 2 Pri (us) 1268 0 1351 1544 0	Pulse 3 Pri(us) 0 0 1487 0	Start Loc (us) 81551 1708405 2978569 3862526 4934474 5358469	Start Burst Interval(us) 0 1000000 2000000 3000000 4000000 50000000	End Burst Interval(us) 999999 1999999 2999999 3999999 4999999 5999999
eform Nu	1237938 or of pulses in thick thick thick thick or of pulses in thick thick thick or of pulses in thick thick thick or of pulses in 22 this = 12 real 12 real 12 off Time (us) 81551 1623961 1268374 879337 1069203 422363 1588866 1027920 545176	1 waveform = 1 ***********************************	Chirp (MHz) 8 14 5 5 12 5 20	Pw (us) 60 75 60 75 90 50	Pulse 1 Pri(us) 1625 1790 1782 1201 1632 1828 1185	Pulse 2 Pri (us) 1268 0 1351 1544 0 1992	Pulse 3 Pri(us) 0 0 1487 0 0	Start Loc (us) 81551 1708405 2978569 3862526 4934474 5358469 6951145	Start Burst Interval(us) 0 1000000 2000000 3000000 4000000 50000000	End Burst Interval(us) 999999 1999999 2999999 3999999 4999999 5999999
eform Nu of Burs st Inter	1237938 or of pulses in http://distriction.com/ or = 22 cts = 12 val (us) = 1000 Off Time (us) 81551 1623961 1268374 879337 1069203 422363 1588856 1027920	1 waveform = 1 ***********************************	Chirp (MHz) 8 14 5 5 12 5 20 7 14	Pw (us) 60 75 60 75 90 50 65	Pulse 1 Pri(us) 1625 1790 1782 1201 1632 1828 1185 1873	Pulse 2 Pri(us) 1268 0 1351 1544 0 1992 1584 1278	Pulse 3 Pri(us) 0 0 1487 0 0 0 0	Start Loc (us) 81551 1708405 2978569 3862526 4934474 5358469 6951145 7981834 8530161	Start Burst Interval (us) 0 1000000 2000000 3000000 4000000 6000000 70000000 80000000	End Burst Interval(us) 999999 1999999 2999999 3999999 4999999 5999999 6999999 7999999
eform Nu of Burs st Inter	1237938 or of pulses in thick thick thick thick or of pulses in thick thick thick or of pulses in thick thick thick or of pulses in 22 this = 12 real 12 real 12 off Time (us) 81551 1623961 1268374 879337 1069203 422363 1588866 1027920 545176	1 waveform = 1 ***********************************	Chirp (MHz) 8 14 5 5 12 5 20 7 14 20	PW (us) 60 75 60 75 90 50 65 85	Pulse 1 Pri(us) 1625 1790 1782 1201 1632 1828 1185 1873 1493 1750	Pulse 2 Pri (us) 1268 0 1351 1544 0 1992 1584 1278 0	Pulse 3 Pri(us) 0 0 1487 0 0 0 0 0	Start Loc (us) 81551 1708405 2978569 3862526 4934474 5358469 6951145 7981834 8530161 9333188	Start Burst Interval(us) 0 1000000 2000000 3000000 4000000 5000000 7000000 8000000 9000000	End Burst Interval (us) 999999 1999999 2999999 3999999 4999999 5999999 6999999 7999999 8999999
eform Nu of Burs st Inter	1237938 or of pulses in thick thick thick thick or of pulses in thick thick thick thick or of pulses in thick thick thick or of pulses in else 12 cus 1000 off Time (us) 81551 1623961 1268374 879337 1069203 422363 1588666 1027920 545176 801534	1 waveform = 1 ***********************************	Chirp (MHz) 8 14 5 5 12 5 20 7 14	Pw (us) 60 75 60 75 90 50 65	Pulse 1 Pri(us) 1625 1790 1782 1201 1632 1828 1185 1873	Pulse 2 Pri(us) 1268 0 1351 1544 0 1992 1584 1278	Pulse 3 Pri(us) 0 0 1487 0 0 0 0	Start Loc (us) 81551 1708405 2978569 3862526 4934474 5358469 6951145 7981834 8530161	Start Burst Interval (us) 0 1000000 2000000 3000000 4000000 6000000 70000000 80000000	End Burst Interval(us) 999999 1999999 2999999 3999999 4999999 5999999 6999999 7999999



				Type	5 Radar \	Wavefor	m_23			
form N	Num = 23									
t Inte	rsts = 17 erval (us)= 705	882		_						
t	Off Time (us) 258609	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burs Interval(u	t End Burst s) Interval(us)
	258609 976729	1	11	60	1328	0	0	258609	0	705881
	474547	2	8	55	1755	1201	0	1236666	705882	1411763
	437563	2	20	60	1745	1499	0	1714169	1411764	2117645
	1030433	2	11	60	1301	1123	0	2154976	2117646	2823527
	588183	1	6	80	1867	0	0	3187833	2823528	3529409
	1085055	3	18	65	1778	1907	1123	3777883	3529410	4235291
	85642	3	12	75	1467	1200	1228	4867746	4235292	4941173
	1016207	1	17	75	1476	0	0	4957283	4941174	5647055 6352937
	774341	2	17 9	50 65	1755 1454	1353 1626	0 1916	5974966 6752415	5647056 6352938	6352937 7058819
	634668	1	18	95	1945	0	0	7392079	7058820	7764701
	709489	1	14	70	1236	0	0	8103513	7764702	8470583
	733814	2	7	60	1355	1829	0	8838563	8470584	9176465
	671259	1	19	50	1526	0	0	9513006	9176466	9882347
	996242	3	7	75	1908	1981	1453	10510774	9882348	10588229
	715176	1	20	70	1559	0	0	11231292	10588230	11294111
	93774	3	20	100	1656	1740	1915	11326625	11294112	11999993
l numb	ber of pulses i:	n waveform = :	********************			***				
				Туре	5 Radar \	Wavefor	m_24			
				7.						
of Bur	Wum = 24 csts = 9 erval (us)= 1333	3333								
			(1) · · · · ·	TOW	D-1 1	D-1 0	D-1 0	Stort I	Stant Barret	F. 1 P
t	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	1192830									
	574008	2	8	65	1481	1255	0	1192830	0	1333332
	014000	1	16	95	1280	0	0	1769574	1333333	2666665
	986675	2	17	90	1423	1825	0	2757520	neeeeee	2000000
	1671938	2	17	90	1423	1020	v	2757529	2666666	3999998
	1100050	3	17	100	1532	1106	1266	4432715	3999999	5333331
	1120053	3	9	85	1824	1668	1836	5556672	5333332	6666664
	1192936									
	1299669	3	7	90	1362	1746	1329	6754936	6666665	7999997
		1	9	75	1243	0	0	8059042	7999998	9333330
				75	1024	1363	1414	10331135	9333331	10666663
	2270850	3	6			1000		10001100	2000001	
		3	6							
l numb	2270850 482666	1	14	75	1139	0	0	10817602	10666664	11999996
l numb	2270850 482666 per of pulses in	1 n waveform = 1	14 9	75			0	10817602	10666664	11999996
l numb	2270850 482666 per of pulses in	1 n waveform = 1	14 9	75	1139		0	10817602	10666664	11999996
l numb	2270850 482666 per of pulses in	1 n waveform = 1	14 9	75	1139		0	10817602	10666664	11999996
l numb	2270850 482666 per of pulses in	1 n waveform = 1	14 9	75 	1139	*		10817602	10666664	11999996
form N	2270850 482666 per of pulses in	1 n waveform = 1:	14 9	75 	1139 ***********************************	*		10817602	10666664	1199996
form Nof Bur	2270850 482666 per of pulses in ***********************************	1 n waveform = 1 philiphiliphiliphiliphiliphiliphiliphil	9 14 ***********************************	Type	1139 ***********************************	* Wavefor	m_25			
form Nof Bur	2270850 482666 Deer of pulses in the	1 n waveform = 1:	14 9	75 	1139 ***********************************	*		10817602 Start Loc (us)	Start Burst Interval(us)	Ind Burst Interval(us)
form Nof Bur	2270850 482666 per of pulses in https://person.org/lines/pulses/p	1 1 vaveform = 1 1 vaveform = 1 1 vaveform = 7 1 va	9 14 ***********************************	75 ************* Type	1139 5 Radar V	* Wavefor	m_25	Start Loc	Start Burst	End Burst
form Nof Bur	2270850 482666 Der of pulses in helekekekekekekekekekekekekekekekekekeke	1 n waveform = 1 thereform = 1 thereform = 7	9 ************************************	75 Type	5 Radar Pulse 1 Pri(us)	Wavefor	m_25	Start Loc (us)	Start Burst Interval (us)	End Burst Interval(us)
form Nof Bur	2270850 482666 per of pulses in Num = 25 sts = 13 erval (us) = 9230 0ff Time (us) 183330 1259487 1023584	1 a waveform = 1:	9 14 9 HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH	75 Type Pw (us) 80 65	1139 5 Radar 1 Pulse 1 Pri (us) 1540 1025	Pulse 2 Pri(us) 0 0	m_25 Pulse 3 Pri (us) 0 0	Start Loc (us) 183330 1444357	Start Burst Interval(us) 0 923077	End Burst Interval(us) 923076 1846153
form Nof Bur	2270850 482666 Der of pulses in helekekekekekekekekekekekekekekekekekeke	1 waveform = 1:	g 14 g Chirp (Miz) 8 8 15	75 Type PW (us) 80 65 100	1139 5 Radar V Pulse 1 Pri (us) 1540 1025 1553	Pulse 2 Pri(us) 0 0	m_25 Pulse 3 Pri(us) 0 0 1508	Start Loc (us) 183330 1444357 2468966	Start Burst Interval(us) 0 923077 1846154	End Burst Interval(us) 923076 1846153 2769230
form Nof Bur	2270850 482666 per of pulses in Num = 25 sts = 13 erval (us) = 9230 0ff Time (us) 183330 1259487 1023584	1 1 waveform = 1: http://doi.org/10.1001/10.10	9 Chirp (MHz) 8 8 15 15	75 Type FW (us) 80 65 100 95	Pulse 1 Pri(us) 1540 1025 1553 1261	Pulse 2 Pri(us) 0 0 1065 1646	Pulse 3 Pri(us) 0 0 1508 0	Start Loc (us) 183330 1444357 2463966 3661571	Start Burst Interval(us) 0 923077 1846154 2769231	End Burst Interval(us) 923076 1846153 2769230 3692307
form Nof Bur	2270850 482666 per of pulses in the state of the state o	1 waveform = 1:	Chirp (MHz) 8 8 15 15 14	75 Type FW (us) 80 65 100 95 60	Pulse 1 Pri (us) 1540 1025 1553 1261 1912	Pulse 2 Pri(us) 0 0 1065 1646 1383	Pulse 3 Pri(us) 0 0 1508 0 1564	Start Loc (us) 183330 1444357 2468966 3661571 4536705	Start Burst Interval(us) 0 923077 1846154 2769231 3692308	End Burst Interval(us) 923076 1846153 2769230 3692307 4615384
form Nof Bur	2270850 482666 per of pulses in the state of the state o	1 1 waveform = 1: http://doi.org/10.1001/10.10	9 Chirp (MHz) 8 8 15 15	75 Type FW (us) 80 65 100 95	Pulse 1 Pri(us) 1540 1025 1553 1261	Pulse 2 Pri(us) 0 0 1065 1646	Pulse 3 Pri(us) 0 0 1508 0	Start Loc (us) 183330 1444357 2463966 3661571	Start Burst Interval(us) 0 923077 1846154 2769231	End Burst Interval(us) 923076 1846153 2769230 3692307
form Nof Bur	2270850 482666 Der of pulses in CHINE HELLINE HELLINE Wum = 25 Instant (us) = 9230 Off Time (us) 183330 1259487 1023584 1188479 872227 273861 1630113	1 1 waveform = 1: http://doi.org/10.1001/10.10	Chirp (MHz) 8 8 15 15 14	75 Type FW (us) 80 65 100 95 60	Pulse 1 Pri (us) 1540 1025 1553 1261 1912	Pulse 2 Pri(us) 0 0 1065 1646 1383	Pulse 3 Pri(us) 0 0 1508 0 1564	Start Loc (us) 183330 1444357 2468966 3661571 4536705	Start Burst Interval(us) 0 923077 1846154 2769231 3692308	End Burst Interval(us) 923076 1846153 2769230 3692307 4615384
form Nof Bur	2270850 482666 Der of pulses in the state of the state o	1 1 1 1 2 2 2 2 3 1	Chirp (MHz) 8 8 15 15 14 5	75 Type PW (us) 80 65 100 95 60 65	Pulse 1 Pri (us) 1540 1025 1553 1261 1912 1018	* Wavefor Pulse 2 Pri(us) 0 0 1065 1646 1383 0	Pulse 3 Pri (us) 0 0 1508 0 1564 0	Start Loc (us) 183330 1444357 2468966 3661571 4536705 4815425	Start Burst Interval(us) 0 923077 1846154 2769231 3692308 4615385	End Burst Interval (us) 923076 1846153 2769230 3692307 4615384 5538461
form Nof Bur	2270850 482666 Der of pulses in CHINE HELLINE HELLINE Wum = 25 Instant (us) = 9230 Off Time (us) 183330 1259487 1023584 1188479 872227 273861 1630113	1 1 1 1 2 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 2 3 3 1 3 3 3 3	Chirp (MHz) 8 8 15 15 14 5 15 13	75 Type Pw (us) 80 65 100 95 60 65 75 65	Pulse 1 Pri (us) 1540 1025 1553 1261 1912 1018 1691 1242	Pulse 2 Pri(us) 0 0 1065 1646 1383 0 1101 1489	Pulse 3 Pri (us) 0 0 1508 0 1564 0 0 1580	Start Loc (us) 183330 1444357 2468966 3661571 4536705 4815425 6446556 7379750	Start Burst Interval (us) 0 923077 1846154 2769231 3692308 4615385 5538462 6461539	End Burst Interval (us) 923076 1846153 2769230 3692307 4615384 5538461 6461538 7384615
form Nof Bur	2270850 482666 Der of pulses in the state of the state o	1 n waveform = 1 http://www.http:	Chirp (MHz) 8 8 15 15 14 5 15 13 11	PW (us) 80 65 100 95 60 65 75 65 85	Pulse 1 Pri (us) 1540 1025 1553 1261 1912 1018 1691 1242 1429	Pulse 2 Pri(us) 0 0 1065 1646 1383 0 1101 1489	Pulse 3 Pri (us) 0 0 1508 0 1564 0 0 1580 0	Start Loc (us) 183330 1444357 2468966 3661571 4536705 4815425 6446556 7379750 7924593	Start Burst Interval (us) 0 923077 1846154 2769231 3692308 4615385 5538462 6461539 7384616	End Burst Interval (us) 923076 1846153 2769230 3692307 4615384 5538461 6461538 7384615 8307692
form Nof Bur	2270850 482666 der of pulses in persentation o	1 1 vaveform = 1 1 thirties	Chirp (MHz) 8 8 15 15 14 5 15 13 11 15	Type Pw (us) 80 65 100 95 60 65 75 65 85 75	Pulse 1 Pri (us) 1540 1025 1553 1261 1912 1018 1691 1242 1429 1771	Pulse 2 Pri(us) 0 0 1065 1646 1383 0 1101 1489 0	Pulse 3 Pri(us) 0 0 1508 0 1564 0 0 1580 0	Start Loc (us) 183330 1444357 2468966 3661571 4536705 4815425 6446556 7379750 7924593 8421968	Start Burst Interval (us) 0 923077 1846154 2769231 3692308 4615385 5538462 6461539 7384616 8307693	End Burst Interval(us) 923076 1846153 2769230 3692307 4615384 5538461 6461538 7384615 8307692 9230769
form N	2270850 482666 per of pulses in persentent the pulses in persent for pulses in persent	1 waveform = 1:	Chirp (MHz) 8 8 15 15 15 15 15 15 15 15	Type Pw (us) 80 65 100 95 60 65 75 65 85 75 70	Pulse 1 Pri (us) 1540 1025 1563 1261 1912 1018 1691 1242 1429 1771 1695	Pulse 2 Pri(us) 0 0 1065 1646 1383 0 1101 1489 0	Pulse 3 Pri (us) 0 0 1508 0 1564 0 0 1580 0 1832 1878	Start Loc (us) 183330 1444357 2468966 3661571 4536705 4815425 6446556 7379750 7924593 8421968 10027298	Start Burst Interval (us) 0 923077 1846154 2769231 3692308 4615385 5538462 6461539 7384616 8307693 9230770	End Burst Interval (us) 923076 1846153 2769230 3692307 4615384 5538461 6461538 7384615 8307692 9230769 10153846
form N of Bur t Inte	2270850 482666 per of pulses in persentent the pulses in persent for pulses in persent	1 1 vaveform = 1 1 thirties	Chirp (MHz) 8 8 15 15 14 5 15 13 11 15	Type Pw (us) 80 65 100 95 60 65 75 65 85 75	Pulse 1 Pri (us) 1540 1025 1553 1261 1912 1018 1691 1242 1429 1771	Pulse 2 Pri(us) 0 0 1065 1646 1383 0 1101 1489 0	Pulse 3 Pri(us) 0 0 1508 0 1564 0 0 1580 0	Start Loc (us) 183330 1444357 2468966 3661571 4536705 4815425 6446556 7379750 7924593 8421968	Start Burst Interval (us) 0 923077 1846154 2769231 3692308 4615385 5538462 6461539 7384616 8307693	End Burst Interval(us) 923076 1846153 2769230 3692307 4615384 5538461 6461538 7384615 8307692 9230769

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				Туре	5 Radar V	Vaveforn	n_26			
weform Nu m of Burs rst Inter	m = 26 ts = 19 val (us)= 631	579								
rst	Off Time	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval (us	End Burst Interval(us)
	383330 825770	2	15	65	1013	1420	0	383330	0	631578
	655920	3	10	95	1256	1475	1478	1211533	631579	1263157
	76463	3	20	55	1287	1406	1918	1871662	1263158	1894736
	1112583	2	14	55	1926	1847	0	1952736	1894737	2526315
	325725	1	8	75	1079	0	0	3069092	2526316	3157894
	842357	1	13	85	1949	0	0	3395896	3157895	3789473
	742641	3	9	80	1246	1149	1397	4240202	3789474	4421052
	407421	3	6	70	1412	1836	1597	4986635	4421053	5052631
	580862	1	6	90	1151	0	0	5398901	5052632	5684210
	459396	3	13	85	1175	1097	1901	5980914	5684211	6315789
	777079	3	6	95	1770	1514	1123	6444483 7225969	6315790	6947368 7578947
	383769	3	18 7	100 65	1114 1608	1863 0	1237	7225969 7613952	6947369 7578948	7578947 8210526
	956757	1	8	95	1134	0	0	8572317	8210527	8842105
;	423765	2	20	55	1875	1752	0	8997216	8842106	9473684
,	985049	3	14	85	1337	1100	1370	9985892	9473685	10105263
,	152188	3	17	70	1883	1770	1253	10141887	10105264	10736842
:	712464	3	8	70	1130	1856	1570	10859257	10736843	11368421
	1011903	3	20	50	1674	1786	1417	11875716	11368422	12000000
al numbe:	r of pulses in	waveform =	44 ***********************************		*****	e tot e				
				Type	5 Radar V	Vaveforn	n_27			
eform Num	ts = 17									
st Interv	val (us)= 7058 Off Time	82 #	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst I	and Burst
	(us) 143980	Pulses	Chirp (MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval(us)	Interval (us)
	1115517	1	9	70	1585	0	0	143980	0	705881
	244264	1	18	75	1414	0	0	1261082	705882	1411763
		3	11	90	1170	1754	1765	1506760	1411764	2117645
	1234254	3	19	95	1441	1372	1678	2745703	2117646	2823527
	726856	2	16	50	1618	1785	0	3477050	2823528	3529409
	304875	3	5	90	1533	1157	1329	3785328	3529410	4235291
	866385	2	10	70	1585	1878	0	4655732	4235292	4941173
	325275	1	11	100	1642	0	0	4984470	4941174	5647055
	1099374	2	17	95	1893	1339	0	6085486	5647056	6352937
	300114	1	8	50	1999	0	0	6388832	6352938	7058819
	1192933	1	7	95	1856	0	0	7583764	7058820	7764701
: !	867935	1	17	50	1672	0	0	8453555	7764702	8470583
	701811	3	11	90	1479	1049	1525	9157038	8470584	9176465
'	130008	2		50	1479	1525	0	9291099	9176466	9882347
	1232463		11							
	451209	3	5	55	1406	1144	1798	10526212	9882348	10588229
	930920	1	10	60	1998	0	0	10981769	10588230	11294111
al number	r of pulses in	1 waveform = 3	13 1 10000000000	100	1793	•	0	11914687	11294112	11999993
				Type	5 Radar V	Vaveforn	n_28			
eform Nu of Burs		0000								
st	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	1032762	1	18	75	1643	0	0	1032762	0	1199999
	523283									
		3	12	50	1186	1953	1992	1557688	1200000	2399999
	1311554		5	70	1551	1071	1307	2874373	2400000	3599999
	1311554	3								
	1311554 1266535					0	0	4144837	3600000	4799999
	1266535	1	11	50	1232					
			11 12	50 75	1232 1304	1046	0	5309301	4800000	5999999
	1266535	1 2	12	75	1304	1046				
	1266535 1163232 1787831	1					o o	5309301 7099482	4800000 6000000	5999999 7199999
	1266535 1163232	1 2	12	75	1304	1046				
	1266535 1163232 1787831	1 2 2 2	12 9 7	75 50 90	1304 1644 1097	1046 1434 1389	o o	7099482 8371204	6000000 7200000	7199999 8399999
	1266535 1163232 1787831 1268644 1057928	1 2 2	12 9	75 50	1304 1644	1046 1434	0	7099482	6000000	7199999
	1266535 1163232 1787831 1268644 1057928 777361	1 2 2 2	12 9 7	75 50 90	1304 1644 1097	1046 1434 1389	o o	7099482 8371204	6000000 7200000	7199999 8399999
	1266535 1163232 1787831 1268644 1057928	1 2 2 2 1	12 9 7 20	75 50 90 85	1304 1644 1097 1785	1046 1434 1389 0	0 0 0	7099482 8371204 9431618	6000000 7200000 8400000	7199999 8399999 9599999



Type 5 Radar Waveform_29										
veform Nu	un = 29									
m of Burs irst Inter irst	val (us)= 6000 Off Time (us)	000 # Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
	544778	1	5	65	1714	0	0	544778	0	599999
	182628	3	7	55	1787	1254	1958	729120	600000	1199999
	851220 635759	1	17	75	1990	0	0	1585339	1200000	1799999
	731380	3	6	70	1263	1422	1416	2223088	1800000	2399999
	167808	3	6	70	1627	1575	1284	2958569	2400000	2999999
	561884	1	6	65	1657	0	0	3130863	3000000	3599999
	606577	2	6	75	1242	1299	0	3694404	3600000	4199999
	1084962	3	9	65	1372	1062	1785	4303522	4200000	4799999
	255235	2	10	100	1933	1821	0	5392703	4800000	5399999
0	767576	2	6	85	1464	1098	0	5651692	5400000	5999999
1 2	651755	3 1	8	70 100	1787	1033	1792	6421830 7078197	6000000 6600000	6599999 7199999
3	125104	2	9	70	1110 1282	1211	0	7078197	7200000	7199999
4	914700	2	5	75	1870	1887	0	8121604	7800000	8399999
5	814495	2	13	50	1131	1914	0	8939856	8400000	899999
6	173810	2	11	75	1211	1725	0	9116711	9000000	9599999
7	562795	3	16	50	1751	1574	1116	9682442	9600000	10199999
	846753		12	50	1506	0	0	10533636	10200000	10799999
8		1								
	679848	2	19	85	1938	1489	0	11214990	10800000	11399999
9	679848 366214	2	19 10	85 55		1489 O ★-+	0	11214990 11584631	10800000 11400000	11399999 11999999
9 tal numbe:	679848 366214 x of pulses in	2	19 10	85 55	1938 1474	1489 O ★-+	0			
veform Nurstrett	### 30 ts = 9 wal (us)= 1333	2 3 waveform = 0	19 40 40 +++++++++++++++++++++++++++++++++	Type \$	1938 1474 5 Radar W	aveform	_30	11584631	1140000	11999999
reform Num no Burst	679848 366214 of pulses in m = 30 ts = 9 val (us)= 1333 Off Time (us)	2 1 waveform = 4	19 10	85 55	1938 1474	1489 O ★-+	0			
reform Num no Burst	679848 566214 F of pulses in m = 30 ts = 9 val (us)= 1333 Off Time (us) 607724	2 1 waveform = 4	19 40 10 10 10 10 10 10 10 10 10 10 10 10 10	Type \$	1998 1474 5 Radar W	/aveform		11584631	11400000 Start Burst	11999999 End Burst
reform Num no Burst	679848 366214 F of pulses in m = 30 ts = 9 val (us)= 1333 Off Time (us) 607724 1044190	2 1 waveform = 4 1 HILLIAN 1 1 1 1 1 1 1 1 1	19 40 10 41 10 42 10 43 10 44 11 45	Type (Pulse 1 Pri(us)	/aveform Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc	Start Burst Interval(us)	End Burst Interval(us)
reform Num no Burst	### 30 ts = 9 val (us) = 1333 Off Time (us) = 607724 1044190 1424421	2 3 waveform = 6 3333 # Pulses 3	19 10 10 Chirp (MHz)	**************************************	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us) 1097	Start Loc (us) 607724	Start Burst Interval (us)	End Burst Interval(us)
veform Nurstrett	### = 30 ### =	2 3 waveform = 4 HILLIAN AND AND AND AND AND AND AND AND AND A	19 40 10 Chirp (MHz) 11 14	PW (us) 85	1938 1474 5 Radar W Pulse 1 Pri(us) 1750 1614	Pulse 2 Pri(us) 1829	Pulse 3 Pri(us) 1097 1676	Start Loc (us) 607724 1656590	Start Burst Interval(us) 0 1333333	End Burst Interval(us) 1333332 2666665
e tal number tal number tall number tall number veform Num n of Burst	## 30 ts = 9 val (us) = 1333 Off Time (us) = 1044190 1424421 1135957 1391554	2 3 waveform = 4 WHITE HILL 3333 # Pulses 3 3 2	Chirp (MHz) 11 14 20	Type \$	1998 1474 5 Radar W Pulse 1 Pri(us) 1750 1614 1225	Pulse 2 Pri(us) 1829 1780	Pulse 3 Pri(us) 1097 1676	Start Loc (us) 607724 1656590 3086081	Start Burst Interval(us) 0 1333333 2666666	End Burst Interval(us) 1333332 2666665 3999998
reform Num no Burst	m = 30 ts = 9 val (us) = 1333 Off Time (us) 607724 1044190 1424421 1135957 1391554 1583515	2 3 333 # Pulses 3 3 2 1	Chirp (MHz) 11 14 20 16	PW (us) 85 56 65	1998 1474 5 Radar W Pulse 1 Pri(us) 1750 1614 1225 1097	Pulse 2 Pri (us) 1829 1780 1142	Pulse 3 Pri(us) 1097 1676 0	Start Loc (us) 607724 1656590 3086081 4224405	Start Burst Interval(us) 0 1333333 2666666 3999999	End Burst Interval(us) 1333332 2666665 399998 5333331
veform Nurstrett	### 30 septiment of pulses in the septiment of pulses in the septiment of	333 # Pulses 3 2 1 1 1	Chirp (MHz) 11 14 20 16 7	PW (us) 85 56 66	Pulse 1 Pri(us) 1750 1614 1225 1097 1367	Pulse 2 Pri(us) 1829 1780 1142 0	Pulse 3 Pri(us) 1097 1676 0	Start Loc (us) 607724 1656590 3086081 4224405 5617056	Start Burst Interval(us) 0 1333333 2666666 3999999 5333332	End Burst Interval(us) 1333332 2666665 399998 5333331 6666664
reform Num no Burst	m = 30 ts = 9 val (us) = 1333 Off Time (us) 607724 1044190 1424421 1135957 1391554 1583515	333 # Pulses 3 3 2 1 1 2 2	Chirp (MHz) 11 14 20 16 7 12	PW (us) 85 50 65 60 65	Pulse 1 Pri(us) 1750 1614 1225 1097 1367 1004	Pulse 2 Pri(us) 1829 1780 1142 0 0	Pulse 3 Pri(us) 1097 1676 0	Start Loc (us) 607724 1656590 3086081 4224405 5617056 7201938	Start Burst Interval(us) 0 1333333 2666666 399999 5333332 6666665	End Burst Interval(us) 1333332 2666665 399998 533331 6666664 7999997



Radar Type 6 - Radar Statistical Performance

Trail #	Test Freq.	1=Detection	Trail #	Test Freq.	1=Detection
	(MHz)	0=No Detection		(MHz)	0=No Detection
1	5669	1	16	5669	1
2	5669	1	17	5669	1
3	5669	1	18	5669	1
4	5669	1	19	5669	1
5	5669	1	20	5669	1
6	5669	1	21	5669	1
7	5669	1	22	5669	1
8	5669	1	23	5669	1
9	5669	1	24	5669	1
10	5669	1	25	5669	1
11	5669	1	26	5669	1
12	5669	1	27	5669	1
13	5669	1	28	5669	1
14	5669	1	29	5669	1
15	5669	1	30	5669	1
	Det	ection Percentage	(%)		100%

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F	Radar waveform #	1	F	Radar waveform #	2
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
9	5552	27	1	5571	3
12	5565	36	17	5550	51
18	5582	54	25	5583	75
27	5545	81	26	5541	78
29	5580	87	28	5547	84
41	5588	123	32	5569	96
43	5596	129	35	5589	105
65	5598	195	40	5588	120
67	5555	201	42	5543	126
75	5590	225	44	5590	132
81	5553	243	45	5549	135
83	5546	249	46	5598	138
90	5564	270	52	5546	156
			61	5545	183
			70	5576	210
			84	5542	252

F	Radar waveform #	3	F	Radar waveform #	4
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
4	5543	12	0	5575	0
7	5573	21	18	5592	54
41	5598	123	31	5568	93
59	5574	177	39	5576	117
80	5595	240	44	5540	132
81	5548	243	54	5565	162
91	5562	273	60	5573	180
97	5591	291	68	5550	204
			77	5581	231





F	Radar waveform #	5	F	Radar waveform #	6
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
5	5562	15	0	5559	0
13	5569	39	8	5573	24
19	5547	57	17	5562	51
37	5571	111	28	5580	84
40	5540	120	30	5582	90
52	5570	156	43	5550	129
61	5554	183	49	5543	147
68	5568	204	51	5593	153
71	5541	213	56	5546	168
73	5584	219	66	5570	198
80	5577	240	67	5555	201
89	5552	267	77	5569	231
97	5546	291	95	5547	285
			96	5583	288





F	Radar waveform #	7	F	Radar waveform #	8
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
4	5568	12	6	5594	18
8	5573	24	8	5574	24
10	5570	30	15	5565	45
15	5595	45	24	5549	72
26	5567	78	29	5561	87
28	5546	84	42	5557	126
38	5562	114	57	5579	171
42	5590	126	61	5560	183
46	5554	138	66	5543	198
48	5544	144	86	5598	258
51	5584	153	91	5572	273
55	5543	165	94	5576	282
61	5582	183			
63	5561	189			
70	5578	210			
75	5598	225			
84	5555	252			
91	5585	273			





F	Radar waveform #	9	R	adar waveform #	10
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
3	5570	9	0	5555	0
4	5586	12	3	5580	9
13	5573	39	9	5543	27
16	5567	48	17	5572	51
18	5585	54	18	5564	54
27	5557	81	48	5578	144
53	5589	159	51	5574	153
64	5575	192	52	5539	156
91	5580	273	54	5593	162
94	5548	282	57	5573	171
95	5572	285	60	5576	180
			70	5594	210
			72	5589	216
			75	5563	225
			92	5590	276



Radar waveform #11			Radar waveform #12		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
5	5582	15	6	5561	18
11	5589	33	7	5582	21
24	5581	72	29	5551	87
29	5586	87	41	5589	123
42	5546	126	50	5572	150
53	5585	159	56	5542	168
57	5559	171	85	5571	255
65	5554	195	90	5576	270
68	5597	204			
69	5593	207			
79	5563	237			
80	5544	240			
81	5543	243			
99	5568	297			

R	Radar waveform #13			Radar waveform #14		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
5	5595	15	1	5588	3	
9	5546	27	5	5546	15	
16	5572	48	16	5550	48	
25	5589	75	25	5567	75	
27	5575	81	26	5591	78	
38	5550	114	54	5594	162	
44	5559	132	60	5551	180	
49	5588	147	64	5560	192	
51	5567	153	73	5566	219	
63	5592	189	76	5579	228	
93	5586	279	77	5574	231	
			80	5592	240	





R	Radar waveform #15			Radar waveform #16		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
5	5591	15	28	5549	84	
6	5563	18	30	5546	90	
12	5579	36	31	5542	93	
17	5555	51	35	5598	105	
26	5541	78	40	5539	120	
32	5568	96	57	5561	171	
33	5566	99	71	5589	213	
34	5571	102	79	5594	237	
51	5546	153	84	5587	252	
53	5584	159	94	5566	282	
54	5539	162				
63	5573	189				
67	5575	201				
77	5680	231				
78	5544	234				
82	5548	246				
91	5581	273				



R	Radar waveform #17			Radar waveform #18		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
5	5560	15	8	5557	24	
14	5561	42	9	5548	27	
21	5568	63	12	5585	36	
22	5546	66	18	5562	54	
25	5542	75	23	5571	69	
27	5540	81	24	5541	72	
31	5578	93	25	5599	75	
36	5570	108	53	5597	159	
74	5555	222	58	5559	174	
75	5556	225	80	5572	240	
84	5596	252	91	5574	273	
92	5563	276	94	5550	282	

R	Radar waveform #19			Radar waveform #20		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
0	5581	0	0	5583	0	
7	5549	21	31	5594	93	
22	5575	66	51	5571	153	
30	5591	90	52	5564	156	
32	5580	96	57	5561	171	
33	5558	99	60	5542	180	
37	5576	111	72	5584	216	
46	5572	138	87	5543	261	
48	5570	144	88	5592	264	
51	5592	153	89	5574	267	
58	5577	174	90	5563	270	
60	5598	180	98	5570	294	
61	5552	183				
69	5545	207				
82	5587	246				
84	5593	252				
R	adar waveform #2	21	R	adar waveform #2	22	

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Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
3	5580	9	9	5554	27
4	5550	12	10	5565	30
9	5594	27	22	5570	66
1	5539	3	46	5599	138
13	5589	39	54	5555	162
22	5586	66	56	5540	168
23	5557	69	57	5572	171
34	5565	102	70	5551	210
43	5559	129	72	5595	216
50	5593	150	76	5592	228
52	5545	156	84	5563	252
55	5596	165	97	5566	291
68	5599	204	98	5573	294
73	5558	219	1	-	
83	5575	249	1		
87	5552	261	1		
90	5572	270			





R	Radar waveform #23			Radar waveform #24		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
15	5599	45	4	5539	12	
34	5563	102	8	5580	24	
37	5560	111	15	5574	45	
40	5576	120	16	5556	48	
41	5559	123	18	5577	54	
52	5568	156	31	5583	93	
63	5594	189	40	5567	120	
68	5583	204	42	5560	126	
71	5541	213	54	5552	162	
79	5592	237	75	5578	225	
86	5579	258	79	5553	237	
89	5572	267	74	5558	222	
			90	5584	270	





R	Radar waveform #25			adar waveform #2	26
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
2	5563	6	4	5553	12
13	5544	39	12	5560	36
17	5576	51	13	5572	39
25	5559	75	23	5580	69
57	5552	171	25	5587	75
55	5554	165	28	5584	84
75	5545	225	32	5592	96
79	5598	237	36	5582	108
82	5543	246	45	5542	135
87	5567	261	48	5586	144
99	5597	297	51	5565	153
			52	5571	156
			64	5554	192
			72	5564	216
			81	5585	243
			94	5547	282





Radar waveform #27			Radar waveform #28		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
14	5566	42	5	5546	15
25	5599	75	18	5573	54
31	5578	93	21	5550	63
49	5563	147	26	5553	78
62	5564	186	27	5596	81
63	5594	189	35	5591	105
75	5574	225	39	5577	117
95	5545	285	42	5578	126
			47	5572	141
			53	5549	159
			56	5529	168
			60	5582	180
			76	5584	228
			79	5583	237
			89	5580	267





R	Radar waveform #29			Radar waveform #30		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
6	5586	18	3	5582	9	
24	5594	72	9	5584	27	
28	5580	84	48	5596	144	
30	5568	90	56	5579	168	
40	5576	120	64	5576	192	
44	5584	132	80	5568	240	
47	5558	141	99	5572	297	
54	5578	162				
61	5596	183				
64	5589	192				
71	5549	213				
75	5556	225				
76	5543	228				
83	5562	249				
84	5561	252	-1			



6. CONCLUSION

The data collected relate only the item(s) tested and show that the WiFi Concurrent 4 Port GE LAN VolP Ethernet Gateway with USB FCC ID: 2ABLK-844E-1 is in compliance with Part 15E of the FCC Rules.

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The End