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Report No.: 1510RSU00403 Report Version: Issue Date: 04-01-2015

DFS MEASUREMENT REPORT

FCC PART 15.407

FCC ID:	2ABLK-8X4G-1V2
FUU ID.	ZADLN-074G-17Z

APPLICANT: Calix Inc.

Application Type: Certification

WIFI dual band 4 GE LAN GPON HGU **Product:**

Model No.: 844G-1, 854G-1

Brand Name: Calix

FCC Classification: Unlicensed National Information Infrastructure (UNII)

Part 15.407 FCC Rule Part(s):

KDB 905462 D02v01r01, KDB 905462 D04v01

Type of Device: Master Device

Client Device (No radar detection)

Client Device with radar detection

Test Date: Mar. 12 ~ 23, 2015

Reviewed By : 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.

FCC ID: 2ABLK-8X4G-1V2

Page Number: 1 of 122





Revision History

Report No.	Version	Description	Issue Date
1502RSU00403	Rev. 01	Initial report	04-01-2015

FCC ID: 2ABLK-8X4G-1V2 Page Number: 2 of 122



CONTENTS

De	scriptio	n	Page
Re	vision F	listory	2
§2.	1033 G	eneral Information	5
1.	INTRO	ODUCTION	6
	1.1.	Scope	6
	1.2.	MRT Test Location	6
2.	PROD	DUCT INFORMATION	7
	2.1.	Equipment Description	7
	2.2.	Description of Available Antennas	8
	2.3.	Description of Antenna RF Port	9
	2.4.	DFS Band Carrier Frequencies Operation	10
	2.5.	Test Mode	11
3.	DFS I	DETECTION THRESHOLDS AND RADAR TEST WAVEFORMS	12
	3.1.	Applicability	12
	3.2.	DFS Devices Requirements	13
	3.3.	DFS Detection Threshold Values	14
	3.4.	Parameters of DFS Test Signals	15
	3.5.	Conducted Test Setup	18
4.	TEST	EQUIPMENT CALIBRATION DATE	19
5.	TEST	RESULT	20
	5.1.	Summary	20
	5.2.	Radar Waveform Calibration	21
	5.2.1.	Calibration Setup	21
	5.2.2.	Calibration Procedure	21
	5.2.3.	Cablibration Result	22
	5.3.	Channel Loading Test Result	26
	5.4.	UNII Detection Bandwidth Measurement	28
	5.4.1.	Test Limit	28
	5.4.2.	Test Procedure	28
	5.4.3.	Test Result	29
	5.5.	Initial Channel Availability Check Time Measurement	35
	5.5.1.	Test Limit	35
	5.5.2.	Test Procedure	35
	5.5.3.	Test Result	36





6.

5.6	3.	Radar Burst at the Beginning of the Channel Availability Check Time Measurement	ent37
5.6	3.1.	Test Limit	37
5.6	6.2.	Test Procedure	37
5.6	3.3.	Test Result	38
5.7	7.	Radar Burst at the End of the Channel Availability Check Time Measurement	39
5.7	⁷ .1.	Test Limit	39
5.7	7.2.	Test Procedure	39
5.7	7.3.	Test Result	40
5.8	3.	In-Service Monitoring for Channel Move Time, Channel Closing Transmission Ti	me and
No	n-O	ccupancy Period Measurement	41
5.8	3.1.	Test Limit	41
5.8	3.2.	Test Procedure Used	41
5.8	3.3.	Test Result	42
5.9	9.	Statistical Performance Check Measurement	44
5.9	9.1.	Test Limit	44
5.9	9.2.	Test Procedure	44
5.9	9.3.	Test Result	45
C	ONC	CLUSION	122



§2.1033 General Information

Applicant:	Calix Inc.			
Applicant Address:	1035 N. McDowell Blvd Petaluma, CA94954 U.S.A			
Manufacturer:	Calix Inc.			
Manufacturer Address:	1035 N. McDowell Blvd Petaluma, CA94954 U.S.A			
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.:	844G-1, 854G-1			
FCC ID:	2ABLK-8X4G-1V2			
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.



FCC ID: 2ABLK-8X4G-1V2 Page Number: 5 of 122



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.





2. PRODUCT INFORMATION

2.1. Equipment Description

Product Name	WIFI dual band 4 GE LAN GPON HGU
Model No.	844G-1, 854G-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: 20.65dBm
	802.11n-HT20: 20.50dBm
	802.11ac-VHT20: 21.16dBm
	802.11n-HT40: 20.79dBm
	802.11ac-VHT40: 21.26dBm
	802.11ac-VHT80: 20.92dBm
Type of Modulation	802.11a/n/ac: OFDM;
Power-on cycle	Requires 181.7 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.

FCC ID: 2ABLK-8X4G-1V2 Page Number: 7 of 122



2.2. Description of Available Antennas

Antenna Type	Frequency Band (GHz)	T _X Paths	Directional Gain (dBi)
PCB Antenna	2.4	2	1.90

Antenna	Frequency	T _X Paths	Directional Gain (dBi)		
Type	Type Band (GHz)		Beam Forming	CDD	
	5.2	4	8.04	8.04	
PCB	5.3	4	7.78	7.78	
Antenna	5.6	4	8.38	8.38	
	5.8	4	8.70	8.70	

Note:

- 1. Transmit at 2.4GHz support two antennas, and support four antennas at 5GHz transmit. There are different antenna gains between each antenna.
- 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).
- Unequal antenna gains, with equal transmit powers. For antenna gains given by G₁, G₂, ..., 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.]

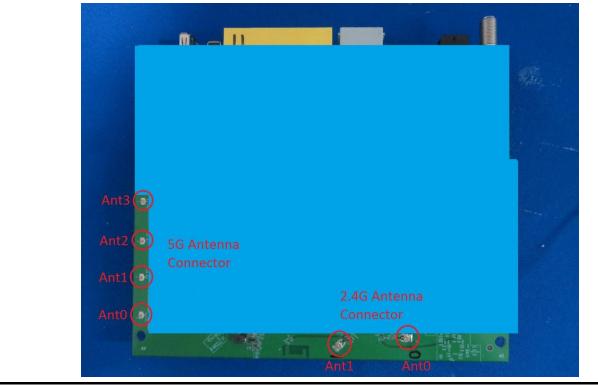
FCC ID: 2ABLK-8X4G-1V2 Page Number: 8 of 122





2.3. Description of Antenna RF Port

RF Port							
Test Mode	Software Control Port						
2.4GHz T _X	Ant 0	Ant 0 Ant 1					
Test Mode		Software	Control Port				
5GHz T _X	Ant 0 Ant 1 Ant 2 Ant 3						



Report No.: 1502RSU00403



2.4. DFS Band Carrier Frequencies Operation

802.11a/n-HT20 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

FCC ID: 2ABLK-8X4G-1V2 Page Number: 10 of 122



Report No.: 1502RSU00403

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

2.5. Test Mode

Test Mode	Mode 1: Co	ommunication with Notebook
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FCC ID: 2ABLK-8X4G-1V2 Page Number: 11 of 122



3. DFS DETECTION THRESHOLDS AND RADAR TEST WAVEFORMS

3.1. Applicability

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

Requirement	Operational Mode				
	Master Client Without Client With Ra				
		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	nent 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

FCC ID: 2ABLK-8X4G-1V2 Page Number: 12 of 122



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 Move Time	10 seconds
	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
O 1411 Dottodion Danawidin	power bandwidth. See Note 3.
Note 1: Channel Move Time and the Chann	al Clasing Transmission Time should be performed with

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

FCC ID: 2ABLK-8X4G-1V2 Page Number: 13 of 122



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	-64 dBm	
spectral density 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



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

Dialon	Dulas	PDI	Newsky of Duless	B. S. L. Land Land	3.61
Radar	Pulse	PRI	Number of Pulses	Minimum	Minimum
Туре	Width	(µsec)		Percentage of	Number of
	(µsec)			Successful	Trials
				Detection	
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique		60%	30
		PRI values randomly	$\left[\left(\frac{1}{2\pi i}\right)\right]$	22,2	
		selected from the list	Roundup $\left\{ \begin{array}{c} 360 \\ 10.106 \end{array} \right\}$		
		of 23 PRI values in	Roundup $\left\{ \frac{19 \cdot 10^6}{\text{PBI}} \right\}$		
		Table 3-6	[(PKI _{usec})]		
		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			
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	e (Radar Typ	oes 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

FCC ID: 2ABLK-8X4G-1V2 Page Number: 15 of 122



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



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.

FCC ID: 2ABLK-8X4G-1V2 Page Number: 17 of 122



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.

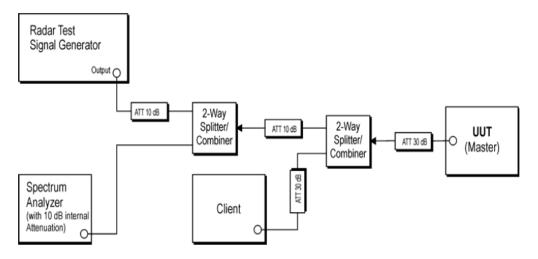


Figure 3-1: Conducted Test Setup where UUT is a Master and Radar Test Waveforms are injected into the Masters





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				

FCC ID: 2ABLK-8X4G-1V2 Page Number: 19 of 122



5. TEST RESULT

5.1. Summary

Company Name: Calix Inc.

FCC ID: 2ABLK-8X4G-1V2

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

FCC ID: 2ABLK-8X4G-1V2 Page Number: 20 of 122



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.

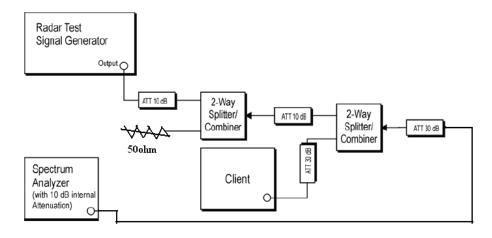


Figure 3-2: Conducted Test Setup

5.2.2. Calibration Procedure

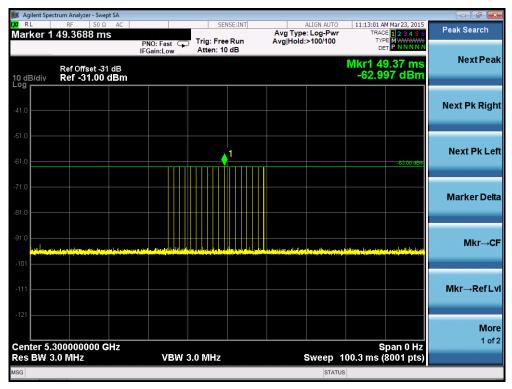
The Interference Radar Detection Threshold Level is (-64dBm) + (0) [dBi] + 1 dB= -63 dBm that had been taken into account the output power range and antenna gain. The above equipment setup was used to calibrate the conducted Radar Waveform. A vector signal generator was utilized to establish the test 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.

FCC ID: 2ABLK-8X4G-1V2 Page Number: 21 of 122

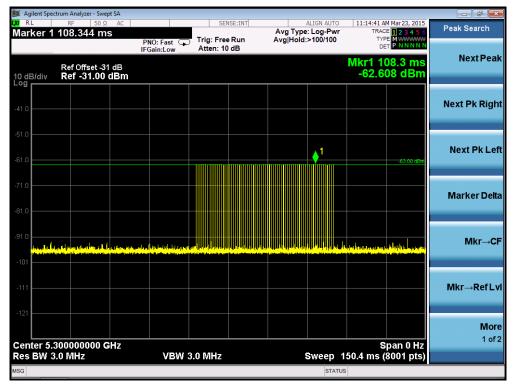


5.2.3. Cablibration Result

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



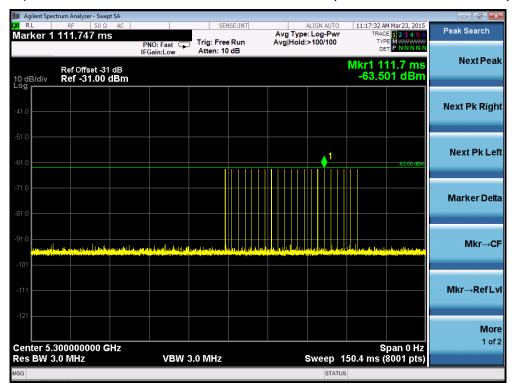
Radar #1(Test A) DFS detection threshold level and the burst of pulses on the Channel frequency



PRI = 758us and the number of pulses = 70

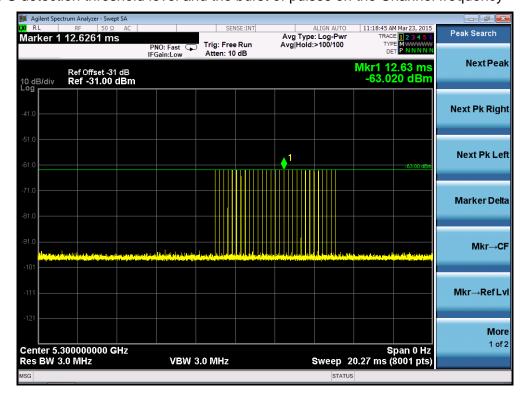


Radar #1(Test B) DFS detection threshold level and the burst of pulses on the Channel frequency



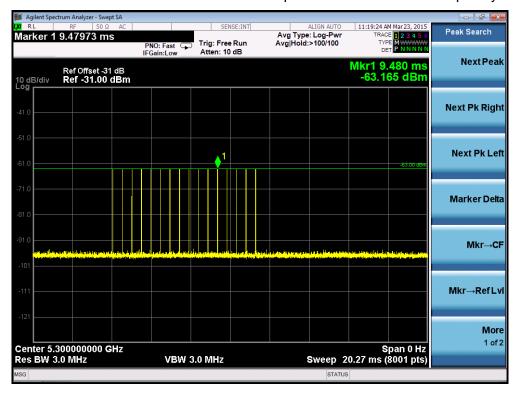
PRI = 2.575ms and the number of pulses = 21

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

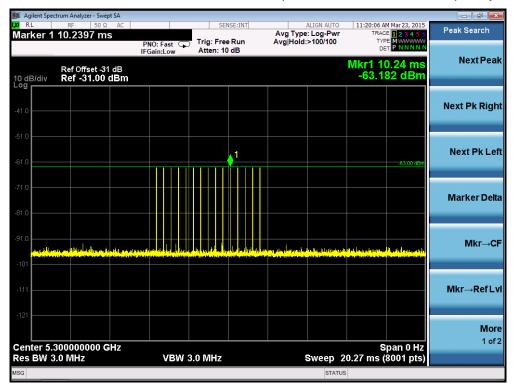




Radar #3 DFS detection threshold level and the burst of pulses on the Channel frequency

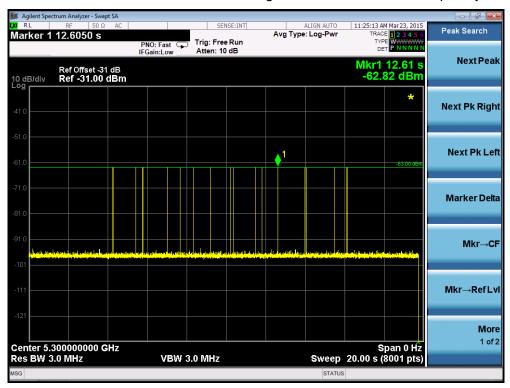


Radar #4 DFS detection threshold level and the burst of pulses on the Channel frequency

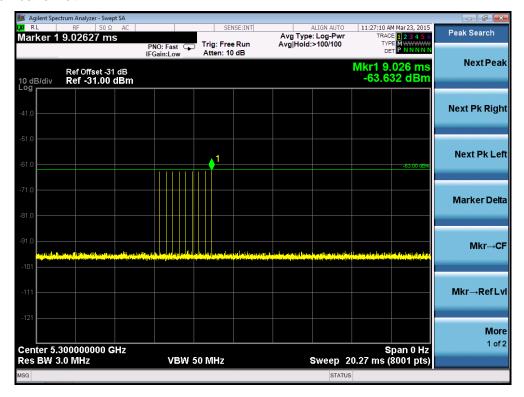




Radar #5 DFS detection threshold level and 12sec long burst on the Channel frequency



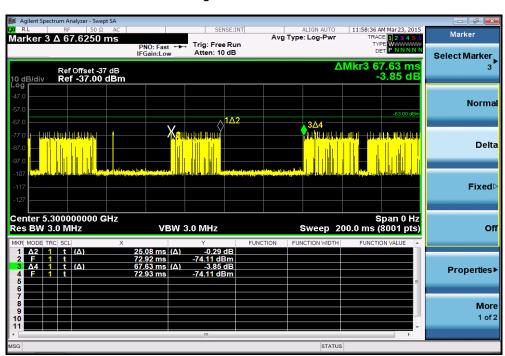
Radar #6 DFS detection threshold level and a single hop (9 pulses) on the Channel frequency within UNII detection bandwidth





5.3. Channel Loading Test Result

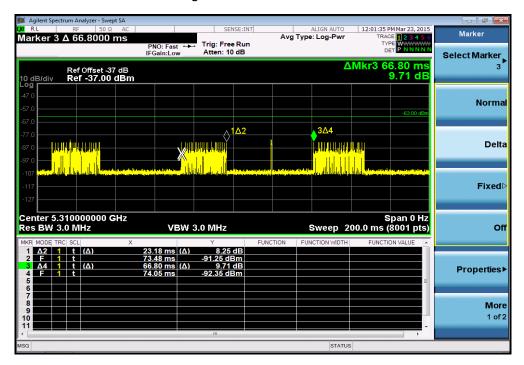
System testing was performed with the designated MPEG test file that streams full motion video from the Indoor GPON HGU to the Client in full motion video mode using the media player with the V2.61 Codec package. This file is used by IP and Frame based systems for loading the test channel during the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



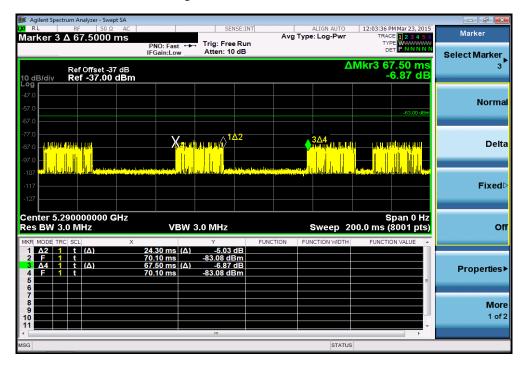
Channel Loading Plot - 802.11a-5300MHz



Channel Loading Plot - 802.11n-HT40-5310MHz



Channel Loading Plot - 802.11ac-VHT80-5290MHz



Test Mode	Packet ratio	Requirement ratio	Test Result
802.11a	37.08%	>17%	Pass
802.11n-HT40	34.70%	>17%	Pass
802.11ac-VHT80	36.00%	>17%	Pass

FCC ID: 2ABLK-8X4G-1V2 Page Number: 27 of 122



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.

FCC ID: 2ABLK-8X4G-1V2 Page Number: 28 of 122



5.4.3. Test Result

EUT Frequency=5300MHz for 802.11a														
Radar Frequency		DFS Detection Trials (1=Detection, 0= No Detection)												
(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 FL	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 FH	1	1	1	1	1	1	1	1	1	1	100%			
5310	0	0	0	0	0	0	0	0	0	0	0%			

Detection Bandwidth = FH - FL = 5309MHz - 5291MHz = 18MHz

EUT 99% Bandwidth = 16.69MHz (see note)

UNII Detection Bandwidth Min. Limit (MHz): 16.69MHz x 100% = 16.69MHz

Note: All UNII channels for this device have identical Channel bandwidths. Therefore, all DFS testing was done at 5300MHz. The 99% channel bandwidth is 16.75MHz. (See the 99% BW section of the RF report for further measurement details).

FCC ID: 2ABLK-8X4G-1V2 Page Number: 29 of 122



		EU	T Freq	uency	/=5310	MHz f	or 802	2.11n-F	HT40		
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 (%)
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%

FCC ID: 2ABLK-8X4G-1V2

Page Number: 30 of 122



Report No.: 1502RSU00403

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	0	0	0	0	0	0	0	0	0	0	0%

Detection Bandwidth = FH - FL = 5329MHz - 5292MHz = 37MHz

EUT 99% Bandwidth = 36.26MHz (see note)

UNII Detection Bandwidth Min. Limit (MHz): 36.26MHz x 100% = 36.26MHz

Note: All UNII channels for this device have identical Channel bandwidths. Therefore, all DFS testing was done at 5310MHz. The 99% channel bandwidth is 36.30MHz. (See the 99% BW section of the RF report for further measurement details).



		EUT	Frequ	ency=	5290N	/IHz fo	r 802.	11ac-V	/HT80		
Radar Frequency			DF	S Det	ection	Trials	(1=D	etectio	on, 0=	No De	tection)
(MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
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%
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%



Report No.: 1502RSU00403

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%
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%

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

EUT 99% Bandwidth = 72.24MHz (see note)

UNII Detection Bandwidth Min. Limit (MHz): 72.24MHz x 100% = 72.24MHz

Note: All UNII channels for this device have identical Channel bandwidths. Therefore, all DFS testing was done at 5290MHz. The 99% channel bandwidth is 75.00MHz. (See the 99% BW section of the RF report for further measurement details).



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.

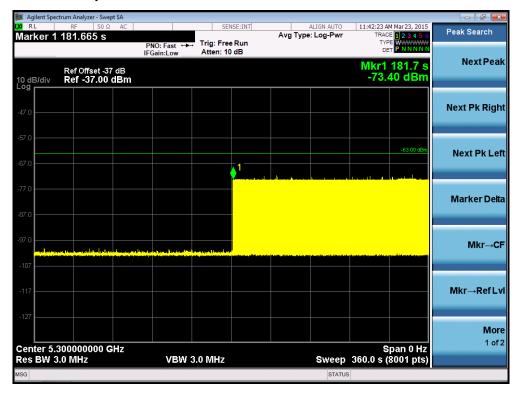
FCC ID: 2ABLK-8X4G-1V2 Page Number: 35 of 122



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 (121.7 sec). Initial beacons/data transmissions are indicated by marker 1 (181.7 sec).

Initial Channel Availability Check Time for 802.11a



Report No.: 1502RSU00403



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

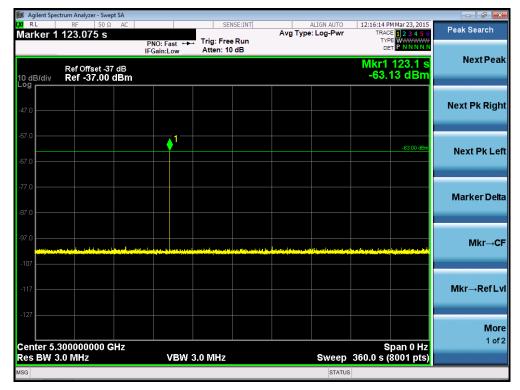
- The steps below define the procedure to verify successful radar detection on the selected Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1 dB occurs at the beginning 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.
- 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).

FCC ID: 2ABLK-8X4G-1V2 Page Number: 37 of 122



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

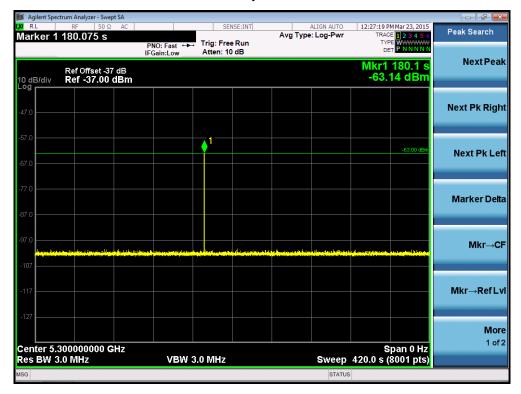
- The steps below define the procedure to verify successful radar detection on the selected Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1 dB occurs at the beginning 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).

FCC ID: 2ABLK-8X4G-1V2 Page Number: 39 of 122



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

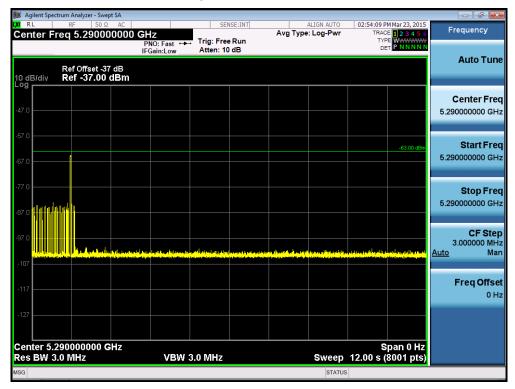
- 1. The test should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0.
- 2. When the radar burst with a level equal to the DFS Detection Threshold + 1dB is generated on the Operating Channel of the U-NII device. A U-NII device operating as a Master Device will 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.
- 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).
- 4. 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, 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.
- 5. 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.

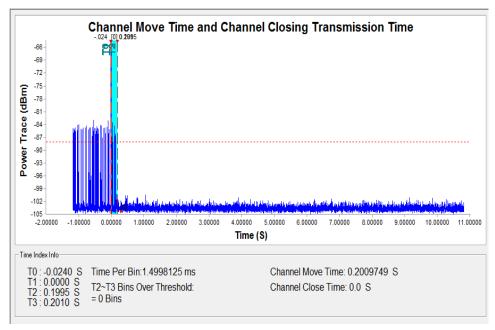
FCC ID: 2ABLK-8X4G-1V2 Page Number: 41 of 122



5.8.3. Test Result

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







Non-Occupancy Period for 802.11a



Parameter	Test Result	Limit
	Type 0	
Channel Move Time (s)	0.200s	<10s
Channel Closing Transmission Time (ms)	Omo	< 60ms
(Note)	0ms	< 00IIIS
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

- 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 minimum percentage of successful detection are found in below table.

FCC ID: 2ABLK-8X4G-1V2 Page Number: 44 of 122



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	5291	1	918	58	1
2	5291	1	518	102	1
3	5291	1	698	76	1
4	5291	1	838	63	1
5	5291	1	3066	18	1
6	5291	1	638	83	1
7	5291	1	578	92	1
8	5291	1	818	65	1
9	5291	1	798	67	1
10	5291	1	758	70	1
11	5291	1	558	95	1
12	5291	1	718	74	1
13	5291	1	778	68	1
14	5291	1	738	72	1
15	5291	1	938	57	1
16	5291	1	718	74	1
17	5291	1	2761	20	1
18	5291	1	2136	25	1
19	5291	1	3054	18	1
20	5291	1	936	57	1
21	5291	1	571	93	1
22	5291	1	1219	44	1
23	5291	1	2131	25	1
24	5291	1	1832	29	1
25	5291	1	1648	33	1
26	5291	1	834	64	1
27	5291	1	2684	20	1
28	5291	1	3024	18	1
29	5291	1	2799	19	1
30	5291	1	527	101	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	5300	3.0	151	27	1
2	5300	3.0	230	27	1
3	5300	4.3	184	27	1
4	5300	2.2	218	23	1
5	5300	4.7	178	26	1
6	5300	1.9	184	25	1
7	5300	3.4	185	24	1
8	5300	3.0	212	26	1
9	5300	5.0	170	25	1
10	5300	2.3	168	27	1
11	5300	3.8	226	26	1
12	5300	2.9	189	25	1
13	5300	5.0	176	29	1
14	5300	1.9	187	26	1
15	5300	4.7	218	28	1
16	5300	4.2	184	26	1
17	5300	3.1	215	29	1
18	5300	3.0	196	23	1
19	5300	2.5	176	26	1
20	5300	3.9	154	24	1
21	5300	1.6	213	27	1
22	5300	2.9	172	27	1
23	5300	4.3	156	29	1
24	5300	3.3	219	27	1
25	5300	2.8	230	27	1
26	5300	2.3	167	24	1
27	5300	3.7	230	26	1
28	5300	4.2	186	29	1
29	5300	1.0	158	27	1
30	5300	2.3	193	29	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	5309	8.9	328	18	1
2	5309	8.1	462	17	1
3	5309	6.6	396	16	1
4	5309	8.7	344	17	1
5	5309	10.0	325	16	1
6	5309	6.1	471	16	1
7	5309	6.2	290	16	1
8	5309	9.7	408	17	1
9	5309	6.3	395	18	1
10	5309	7.3	453	18	1
11	5309	8.4	399	17	1
12	5309	7.2	368	18	1
13	5309	6.9	499	18	1
14	5309	7.2	491	18	1
15	5309	9.3	260	17	1
16	5309	7.6	292	17	1
17	5309	9.0	306	17	1
18	5309	8.0	261	16	1
19	5309	7.0	334	17	1
20	5309	6.3	347	18	1
21	5309	6.8	460	17	1
22	5309	6.7	294	16	1
23	5309	8.8	431	16	1
24	5309	8.3	257	16	0
25	5309	9.9	442	18	1
26	5309	9.1	494	18	1
27	5309	9.9	286	18	1
28	5309	8.8	348	18	1
29	5309	9.5	408	16	1
30	5309	6.5	500	16	1
	Det	ection Percentage	(%)		96.7%



Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5291	14.0	363	14	1
2	5291	14.7	268	13	1
3	5291	17.8	450	14	1
4	5291	13.1	264	14	1
5	5291	17.7	251	13	1
6	5291	11.2	348	15	1
7	5291	13.6	343	16	1
8	5291	19.3	500	13	1
9	5291	15.1	497	15	1
10	5291	13.0	376	16	1
11	5291	14.2	302	12	1
12	5291	13.5	281	12	1
13	5291	20.0	440	12	1
14	5291	12.7	258	16	1
15	5291	15.8	282	14	1
16	5291	11.8	251	15	1
17	5291	14.9	405	15	1
18	5291	12.1	388	12	1
19	5291	17.6	395	15	1
20	5291	16.9	403	15	1
21	5291	18.0	416	12	1
22	5291	14.8	472	12	1
23	5291	13.0	301	13	1
24	5291	14.0	379	16	1
25	5291	14.0	283	12	1
26	5291	15.1	338	15	1
27	5291	12.4	393	13	1
28	5291	18.1	337	15	1
29	5291	19.4	387	12	1
30	5291	16.1	283	15	0
	Det	ection Percentage	(%)		96.7%

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test waveforms is as follows: $\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4} = (100\% + 100\% + 96.7\% + 96.7\%)/4 = 98.35\% (>80\%)$

FCC ID: 2ABLK-8X4G-1V2 Page Number: 48 of 122





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	5320	1	16	5320	1
2	5320	1	17	5320	1
3	5320	1	18	5320	1
4	5320	1	19	5320	1
5	5320	1	20	5320	1
6	5320	1	21	5320	1
7	5320	1	22	5320	1
8	5320	1	23	5320	1
9	5320	1	24	5320	1
10	5320	1	25	5320	1
11	5320	1	26	5320	1
12	5320	1	27	5320	1
13	5320	1	28	5320	1
14	5320	1	29	5320	1
15	5320	1	30	5320	1
	Det	ection Percentage	(%)		100%

				Type	5 Radar V	Vaveform	_1						
aveform Num = 1 um of Bursts = 20 urst Interval (us) = 600000 urst Interval (us) = 600000													
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)			
	265817	1	5	90	1423	0	0	265817	0	599999			
	693820	3	10	60	1050	1426	1051	961060	600000	1199999			
	725012	2	18	90	1656	1235	0	1689599	1200000	1799999			
	658160	2	15	65	1180	1493	0	2350650	1800000	2399999			
	415482	2	13	90	1594	1319	0	2768805	2400000	2999999			
	300869	3	20	65	1353	1680	1992	3072587	3000000	3599999			
	891087	3	10	90	1626	1202	1220	3968699	3600000	4199999			
	307715	1	9	75	1432	0	0	4280462	4200000	4799999			
	999311	2	16	95	1264	1939	0	5281205	4800000	5399999			
0	290004	1	18	70	1572	0	0	5574412	5400000	5999999			
1	708697	3	12	70	1650	1689	1148	6284681	6000000	6599999			
2	405512	1	14	75	1856	0	0	6694680	6600000	7199999			
3	590693	3	12	60	1476	1126	1840	7287229	7200000	7799999			
4	557156	2	8	95	1888	1520	0	7848827	7800000	8399999			
5	963122	1	18	80	1244	0	0	8815357	8400000	8999999			
6	255199	3	9	85	1472	1731	1374	9071800	9000000	9599999			
7	703288	1	8	75	1077	0	0	9779665	9600000	10199999			
.8	1013435	1	18	65	1857	0	0	10794177	10200000	10799999			
9	292189	1	9	80	1318	0	0	11088223	10800000	11399999			
o	366637	1	15	100	1519	0	0	11456178	11400000	11999999			
	per of pulses in					+-+-							



				Тур	e 5 Radar	Waveforr	n_2			
form N	Jum = 2									
of Bur t Inte	sts = 10 erval (us)= 1200	0000								
:t	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)
	1128156	1	16	70	1957	0	0	1128156	0	1199999
	293495									
	1982475	2	8	50	1180	1855	0	1423608	1200000	2399999
	213673	1	20	70	1606	0	0	3409118	2400000	3599999
	1989033	1	5	70	1898	0	0	3624397	3600000	4799999
		2	8	85	1231	1197	0	5615328	4800000	5999999
	840202	1	18	100	1264	0	0	6457958	6000000	7199999
	903240	1	8	100	1014	0	0	7362462	7200000	8399999
	1305912	3	14	95	1483	1247	1113	8669388	8400000	9599999
	1366601	1	5	55	1980	0	0	10039832	9600000	10799999
	1243848									
ıl numb	er of pulses in	2 n waveform = 1	8 L5	50	1166	1632	0	11285660	10800000	11999999
						olok:				
				Tim	o F Dodor	Moveforn	n 2			
				тур	e 5 Radar	wavetorr	n_3			
of Bur	Num = 3 sts = 16 rval (us)= 7500	000								
t	Off Time	#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 413697	Pulses 1	(MHz) 17	(us) 100	Pri (us) 1627	Pri(us) O	Pri(us)	(us) 413697	Interval (us)	Interval (us) 749999
	665435	1	12	50	1391	0	0	1080759	750000	1499999
	644293	1	5	75	1689	0	0	1726443	1500000	2249999
	564481 904885	3	11	90	1691	1181	1260	2292613	2250000	2999999
	784751	2	18	60	1406	1617	0	3201630	3000000	3749999
	1187422	3	20	95	1111	1089	1469	3989404	3750000	4499999
	356388	3	17	80	1179	1579	1730	5180495	4500000	5249999
	772471	2	5 6	70 65	1407 1605	1972 0	0	5541371 6317221	5250000 6000000	5999999 6749999
	627416	1	16	75	1350	0	0	6946242	6750000	749999
	578674	3	20	90	1363	1606	1971	7526266	7500000	8249999
	1057715	1	9	95	1638	0	0	8588921	8250000	8999999
	580973	3	18	100	1005	1914	1102	9171532	9000000	9749999
	817144 1206469	2	19	70	1938	1030	0	9992697	9750000	10499999
	314975	3	8	100	1946	1455	1578	11202134	10500000	11249999
1 numb	er of pulses in	2 n waveform = 3	14 32	55	1539	1278	0	11522088	11250000	11999999
				Тур	e 5 Radar	Waveforr	n_4			
form N	Num = 4 :sts = 11									
t Inte	erval (us)= 1090 Off Time)909 #	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us)	# Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
	684360	1	8	75	1856	0	0	684360	0	1090908
	1176067	3	11	100	1167	1719	1816	1862283	1090909	2181817
	405340	1	10	60	1436	0	0	2272325	2181818	3272726
	1569769	2	9	65	1014	1287	0	3843530	3272727	4363635
	603905									
	1320672	1	9	100	1202	0	0	4449736	4363636	5454544
	1789051	2	8	75	1489	1541	0	5771610	5454545	6545453
	977663	2	19	70	1922	1265	0	7563691	6545454	7636362
		2	5	50	1523	1858	0	8544541	7636363	8727271
	537211	1	19	60	1478	0	0	9085133	8727272	9818180
	1378784	1	13	70	1258	0	0	10465395	9818181	10909089
	1186551	2	11	85	1422	1201	0	11653204	10909090	11999998



				Туре	5 Radar V	Vaveform	_5			
aveform Nu	um = 5									
um of Burs Jurst Inter	um = 5 sts = 20 rval (us)= 6000 Off Time (us)	00 # Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst End Interval(us) Int	l Burst terval(us)
1	19741	ruises 1	19	95	1744	O O	0	19741		99999
2	639175	2	16	95	1233	1207	0	660660		199999
3	1066796	1	8	100	1679	0	0	1729896		799999
4	554364	3	15	100	1699	1162	1986	2285939	1800000 23	399999
5	331260 593386	2	17	60	1834	1366	0	2622046	2400000 29	99999
3	426033	1	20	100	1617	0	0	3218632		599999
7	965182	1	15	95	1243	0	0	3646282		199999
	599109	3	17	65	1666	1089	1543	4612707		799999
	297062	2	17	95	1675	1726	0	5216114		399999
	752307	3	19	60	1850	1292	1102	5516577		99999
1	579542	2	6	60	1114 1165	1972	0	6273128		599999 199999
3	343512	3	16 14	55 90	1271	1880 1147	1737	6855756 7202313		199999
4	984143	1	15	60	1067	0	0	8190611		199999
 5	413224	2	5	75	1839	1987	0	8604902		99999
6	582278	2	20	85	1267	1327	0	9191006		59999
7	940345	1	10	90	1245	0	0	10133945		199999
8	227731	1	7	50	1536	0	0	10362921		799999
9	932508	1	16	100	1843	0	0	11296965	10800000 11	399999
o tal numbe	383971	waveform - or	15	65	1245	0	0	11682779	11400000 11	1999999
titititi	or or purses in	-averorm = 35			**********					
				Type	e 5 Radar V	Vaveform	6			
				1,764	o rtadar t	141010111				
weform Nu m of Bur:	sts = 11									
ırst inten ırst	rval (us)= 109 Off Time	#	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us)	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	
	217208	3	17	50	1941	1556	1707	217208	0	1090908
	1927659									
	390235	1	18	100	1986	0	0	2150071	1090909	2181817
		2	14	50	1964	1709	0	2542292	2181818	3272726
	1014578	3	11	90	1920	1865	1171	3560543	3272727	4363635
	1551961									
	722929	2	13	100	1616	1618	0	5117460	4363636	5454544
		2	18	70	1166	1995	0	5843623	5454545	6545453
	1021057	2	16	70	1792	1211	0	6867841	6545454	7636362
	1260205									
	817349	1	12	70	1116	0	0	8131049	7636363	8727271
		3	11	80	1024	1091	1737	8949514	8727272	9818180
0	1642958	3	14	70		1188				
•	1369693	J			1399		1599	10596324	9818181	10909089
1		1	7	60	1152	0	0	11970203	10909090	11999998
	er of pulses i				**********	o lo *				
*-+0+0+0+0+0+0+0+										
*-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1				Type	e 5 Radar V	Vaveform	_7			

veform Ni m of Bur:	sts = 17									
veform N m of Bur: rst Inte	sts = 17 rval (us)= 705	#	Chirp	₽₩ .	Pulse 1	Pulse 2	Pulse 3	Start Lo	c Start Burs	t End Burst
veform N m of Bur: rst Inte	sts = 17	# Pulses	Chirp (MHz)	(us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Lo	Interval (us	s) Interval(u
veform N m of Bur: rst Inte	sts = 17 rval (us)= 705 Off Time (us)	# Pulses 1	18	(us) 80	1084	0	0	606568	Interval (us	r) Interval(u: 705881
veform N m of Bur: rst Inte	sts = 17 rval (us)= 705 Off Time (us) 606568	# Pulses 1 3	18 19	(us) 80 90	1084 1386	o 1912	0 1999	606568 1361250	Interval (us 0 705882	705881 1411763
veform N m of Bur: rst Inte	rsts = 17 rval (us)= 705 Off Time (us) 606568 753598	# Pulses 1 3	18 19 5	(us) 80 90 65	1084 1386 1161	o 1912 1831	o 1999 1065	606568 1361250 1812115	Interval (us 0 705882 1411764	705881 1411763 2117645
veform N m of Bur: rst Inte	rsts = 17 rval (us)= 705 Off Time (us) 606568 753598 445568	# Pulses 1 3 2	18 19 5 8	(us) 80 90 65 95	1084 1386 1161 1584	0 1912 1831 1729	0 1999 1065 0	606568 1361250 1812115 2602518	Interval (us 0 705882 1411764 2117646	705881 1411763 2117645 2823527
veform N m of Bur: rst Inte	sts = 17 rval (us)= 705 Off Time (us) 606568 753598 445568 786346	#Pulses 1 3 3 2	18 19 5 8 19	(us) 80 90 65 95	1084 1386 1161 1584 1586	0 1912 1831 1729 0	0 1999 1065 0	606568 1361250 1812115 2602518 3479583	Interval (us 0 705882 1411764 2117646 2823528	705881 1411763 2117645 2823527 3529409
veform N m of Bur: rst Inte	rsts = 17 rvval (us) = 705 Off Time (us) 606568 753598 445568 786346 873752	# Pulses 1 3 3 2 1	18 19 5 8 19 20	(us) 80 90 65 95 100 95	1084 1386 1161 1584 1586 1504	0 1912 1831 1729 0 1870	0 1999 1065 0 0	606568 1361250 1812115 2602518 3479583 4146826	Interval (us 0 705882 1411764 2117646 2823528 3529410	705881 1411763 2117645 2823527 3529409 4235291
veform N m of Bur: rst Inte	rsts = 17 rrval (us) = 705 Off Time (us) 606568 753598 445568 786346 873752 665657	# Pulses 1 3 3 2 1	18 19 5 8 19 20 5	(us) 80 90 65 95 100 95	1084 1386 1161 1584 1586 1504	0 1912 1831 1729 0 1870 1356	0 1999 1065 0 0 0	606568 1361250 1812115 2602518 3479583 4146826 4363656	Interval (us 0 705882 1411764 2117646 2823528 3529410 4235292	705881 1411763 2117645 2823527 3529409 4235291 4941173
weform N m of Bur rst Inte	### 17 Frval (us) = 705	# Pulses 1 3 2 1 2 3 3	18 19 5 8 19 20 5	(us) 80 90 65 95 100 95 90	1084 1386 1161 1584 1586 1504 1772	0 1912 1831 1729 0 1870 1356 1627	0 1999 1065 0 0 0 1927	606568 1361250 1812115 2602518 3479583 4146826 4363656 5451160	O 705882 1411764 2117646 2823528 3529410 4235292 4941174	705881 1411763 2117645 2823527 3529409 4235291 4941173 5647055
weform N. m of Dur. rst Inte	rsts = 17 rval (us) = 705 Off Time (us) = 606568 753598 445568 786346 873752 665657 213456	# Pulses 1 3 3 2 1 2 3 3 3 3 3 3 3 3	18 19 5 8 19 20 5 16	(us) 80 90 65 95 100 95 90 75	1084 1386 1161 1584 1586 1504 1772 1337	0 1912 1831 1729 0 1870 1356 1627	0 1999 1065 0 0 0 1927 1022 1401	606568 1361250 1812115 2602518 3479683 4146826 4363656 5451160 6224841	Interval (us 0 705882 1411764 2117646 2823528 3529410 4235292 4941174 5647056	705881 1411763 2117645 2823527 3529409 4235291 4941173 5647055 6352937
weform N. m of Bur.rst Inter	### 1792 1792 1793 1794	provided in the second	18 19 5 8 19 20 5 16 18	(us) 80 90 65 95 100 95 90 75 60	1084 1386 1161 1584 1586 1504 1772 1337 1973	0 1912 1831 1729 0 1870 1356 1627 1788	0 1999 1065 0 0 1927 1022 1401	606568 1361250 1812115 2602518 3479583 4146826 4363656 5451160 6224841 6445482	Interval (us 0 705882 1411764 2117646 2823528 3529410 4235292 4941174 5647056 6352938	7058819
veform M m of Burrst Inter	### 17 17 17 17 17 17 17 1	# Pulses 1 3 3 2 1 2 3 3 3 2 3 3 3 3 3 3 3 3 3 3	18 19 5 8 19 20 5 16 18 18	(us) 80 90 65 95 100 95 90 75 60 55	1084 1386 1161 1584 1586 1504 1772 1337 1973 1200	0 1912 1831 1729 0 1870 1356 1627 1788 1544	0 1999 1065 0 0 0 1927 1022 1401 0	606568 1361250 1812115 2602518 3479583 4146826 4363656 5451160 6224841 6445482 7450049	Interval (us 0 705882 1411764 2117646 2823528 3529410 4235292 4941174 5647056 6352938 7058820	705881 1411763 2117645 2823527 3529409 4235291 4941173 5647055 6352937 7058819 7764701
veform Nim of Burner Inter ret Inter ret	### 1001823	# Pulses 1 3 3 2 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	18 19 5 8 19 20 5 16 18 18 12	(us) 80 90 65 95 100 95 90 75 60 55 76	1084 1386 1161 1584 1586 1504 1772 1337 1973 1200 1194 1805	0 1912 1831 1729 0 1870 1356 1627 1788 1544 1657	0 1999 1065 0 0 0 1927 1022 1401 0 1381	606568 1361250 1812115 2602518 3479583 4146826 4363656 5451160 6224841 6445482 7450049	Interval (us 0 705682 1411764 2117646 2823528 3529410 4235292 4941174 5647056 6352938 7058820 7764702	705811 1411763 2117645 2823527 3529409 4235291 4941173 5647055 6352937 7058819 7764701 8470583
weform Nome of Burrers Interpretarion of the second of the	### 10 ### 2	# Pulses 1 3 3 2 1 2 3 3 3 3 3 3	18 19 5 8 19 20 5 16 18 18 12 11	(us) 80 90 65 95 100 96 90 75 60 55 90	1084 1386 1161 1584 1586 1504 1772 1337 1973 1200 1194 1805	0 1912 1831 1729 0 1870 1366 1627 1788 1544 1667 1027	0 1999 1065 0 0 0 1927 1022 1401 0 1381 1728 1666	606568 1361250 1812115 2602518 3479583 4146826 4363656 5451160 6224841 6445482 7450049 8434633	Interval (us 0 705882 1411764 2117646 2823528 3529410 4235292 4941174 5647056 635293 7058820 7764702 8470584	705831 1411763 2117645 2823527 3529409 4235291 4941173 5647055 6352937 7058819 7764701 8470583 9176465
weform No Burrist Inte:	### 10 ### 2	# Pulses 1 3 3 2 1 2 3 3 3 3 3 3 3 1	18 19 5 8 19 20 5 16 18 18 12 11 17	(us) 80 90 65 95 100 96 96 90 76 60 55 76 90 55	1084 1386 1161 1584 1586 1504 1772 1337 1973 1200 1194 1805 1434	0 1912 1831 1729 0 1870 1366 1627 1788 1544 1667 1027	0 1999 1065 0 0 0 1927 1022 1401 0 1381 1728 1666	606568 1361250 1812115 2602518 3479583 4146826 4363656 5451160 6224841 6445482 7450049 8434633 9057528	Interval (us 0 705882 1411764 2117646 2823528 3529410 4235292 4941174 5647056 6352938 7058820 7764702 8470584 9176466	705811 1411763 2117645 2829527 3529409 4235291 4941173 5647055 6352937 7058819 7764701 8470583 9176465 9882347
weform No Burum of Bu	### 17 17 17 17 17 17 17 1	# Pulses 1 3 3 2 1 2 3 3 3 3 3 1 2 1 1 1	18 19 5 8 19 20 5 16 18 18 12 11 17	(us) 80 90 65 95 100 96 90 75 60 55 75 90 55	1084 1386 1161 1584 1586 1504 1772 1337 1973 1200 1194 1805 1434 1747	0 1912 1831 1729 0 1870 1366 1627 1788 1544 1687 1027 1978 0	0 1999 1065 0 0 0 1927 1022 1401 0 1381 1728 1666 0	606568 1361250 1812115 2602518 3479583 4146826 4363656 5451160 6224841 6445482 7450049 8434633 9057528 9307969	Interval (us 0 705882 1411764 2117646 2823528 3529410 4235292 4941174 5647056 6352938 7058820 7764702 8470584 9176466 9882348	705831 1411763 2117645 2823527 3529409 4235291 4941173 5647055 6352937 7058819 7764701 8470583 9176465 9882247
weform No Burrist Inte:	### 100 ### 10	# Pulses 1 3 3 2 1 2 3 3 3 3 3 3 3 1	18 19 5 8 19 20 5 16 18 18 12 11 17	(us) 80 90 65 95 100 96 96 90 76 60 55 76 90 55	1084 1386 1161 1584 1586 1504 1772 1337 1973 1200 1194 1805 1434	0 1912 1831 1729 0 1870 1366 1627 1788 1544 1667 1027	0 1999 1065 0 0 0 1927 1022 1401 0 1381 1728 1666	606568 1361250 1812115 2602518 3479583 4146826 4363656 5451160 6224841 6445482 7450049 8434633 9057528	Interval (us 0 705882 1411764 2117646 2823528 3529410 4235292 4241174 5647056 6352938 7058820 7764702 8470584 9176466 9882348 3 10588230	705811 1411763 2117645 2829527 3529409 4235291 4941173 5647055 6352937 7058819 7764701 8470583 9176465 9882347



				Тур	e 5 Radar \	Waveforn	n_8			
veform N m of Bur rst Inte		0000								
rst	Off Time (us) 1209854	# 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	13	50	1797	0	0	1209854	0	1499999
	851180	3	20	65	1613	1585	1915	2062831	1500000	2999999
	1358538	1	11	50	1586	0	0	3426482	3000000	4499999
	2502574									
	917863	2	16	80	1053	1043	0	5930642	4500000	5999999
	1765791	3	7	55	1468	1905	1924	6850601	6000000	7499999
	479122	2	12	95	1190	1528	0	8621689	7500000	8999999
		3	6	90	1588	1162	1735	9103529	9000000	10499999
	2609102	1	10	70	1041	0	0	11717116	10500000	11999999
	er of pulses in					-1-1-				
1010101010101				***********		**				
				Тур	e 5 Radar \	Waveform	n_9			
eform N	Num = 9 rsts = 20 srval (us) = 6000 Off Time (us) 408762 285294	200								
st Inte	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)
	285294	2	17	55 55	1216 1630	1666 1083	o 1839	408762 696938	o 600000	599999 1199999
	604093	2	12	55	1614	1853	0	1305583	1200000	1799999
	849071 782327	3	9	60	1616	1392	1792	2158121	1800000	239999
	89804	2	6	60	1101	1906	0	2945248	2400000	2999999
	1152724	2	17	55	1731	1666	0	3038059	3000000	3599999
	407054	3	5 18	70 85	1481 1787	1931 0	1094 0	4194180 4605740	3600000 4200000	4199999 4799999
	202335	2	11	100	1028	1080	0	4809862	4800000	539999
	1010185	3	13	65	1028	1194	1019	4809862 5822155	5400000	599999
	195192	3	17	50	1522	1366	1551	6020887	6000000	6599999
	1045050	3	5	70	1287	1162	1448	7070376	6600000	7199999
	599820 329630	2	9	55	1421	1373	0	7674093	7200000	7799999
	767991	2	20	65	1535	1923	0	8006517	7800000	8399999
	280923	2	7	70	1006	1647	0	8777966	8400000	899999
	657640	2	15	85	1797	1529	0	9061542	9000000	9599999
	1033977	1	14 9	90 65	1420 1462	0	0	9722508 10757905	9600000 10200000	10199999 10799999
	58554	2	17	55	1096	1091	0	10817921	10800000	11399999
	1019049	2	5	50	1513	1661	0	11839157	11400000	11999999
al numb	ber of pulses in	a waveform = 4	43 100000000000			**				
				Туре	5 Radar V	Vaveform	_10			
	Num = 10 rsts = 8									
st Inte st	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)
	1037520	ruises 2	14	95	1415	1826	0 0	1037520	O O	1499999
		1	19	50	1319	0	0	2469165	1500000	2999999
	1428404		20	50		0				
	1428404 648942		10			U	0	3119426	3000000	4499999
		1	18	90	1208	4			Ima	
	648942	1 2	19	100	1623	1051	0	5201778	4500000	5999999
	648942 2081144 1679616	1				1051 1464	0	5201778 6884068	4500000 6000000	5999999 7499999
	648942 2081144 1679616 1238077	1 2	19	100	1623					
	648942 2081144 1679616 1238077 1141963	1 2 2	19 5	100 65	1623 1264	1464	0	6884068	6000000	7499999
	648942 2081144 1679616 1238077	1 2 2 3	19 5 16	100 65 55	1623 1264 1592	1464 1322	0 1876	6884068 8124873	6000000 7500000	7499999 8999999



				Туре	5 Radar V	Vaveform	_11			
eform N	rum = 11									
st Inte	fum = 11 sts = 16 xval (us)= 7500	100								
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)
	463937	1	13	80	1029	0	0	463937	0	749999
	422488	2	16	80	1962	1476	0	887454	750000	1499999
	1309996	2	16	70	1245	1904	0	2200888	1500000	2249999
	154712	2	17	60	1239	1691	0	2358749	2250000	2999999
	923513	2	13	90	1348	1800	0	3285192	3000000	3749999
	1201210	2	11	50	1607	1123	0	4489550	3750000	4499999
	754598	1	19	100	1337	0	0	5246878	4500000	5249999
	674081	1	12	70	1350	0	0	5922296	5250000	5999999
	249419	2	6	70	1153	1430	0	6173065	6000000	6749999
	906557	1	5	70	1136	0	0	7082205	6750000	7499999
	550056	1	16	95	1167	0	0	7633397	7500000	8249999
	1203469	2	17	80	1833	1653	0	8838033	8250000	8999999
	752176	3	5	60	1642	1585	1783	9593695	9000000	9749999
	260922	3	13	70	1839	1188	1455	9859627	9750000	10499999
	722936	1	8	85	1839	0	0	10587045	10500000	11249999
	968902	1	11	100	1839	0	0	10587045	11250000	11249999
l numb	er of pulses ir	waveform = 2	27		1301		O	11001100	11250000	11999999
				Type	5 Radar V	Vaveform	12			
				турс	o itauai v	vavcioiiii	<u>-</u> ' -			
of Bur	Num = 12 :sts = 17 :rval (us)= 7058	382								
: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)
	221369	3	14	80	1363	1371	1756	221369	0	705881
	1173947	3	18				1563	1399806	705882	
	576412	3	18	55 50	1880 1208	1265 1510	1195	1399806	1411764	1411763 2117645
	165313	2	6	55	1208		0	1980926 2150152	2117646	2823527
	916125	3	12	50	1984	1833 1634	1658	3069376	2823528	2823527 3529409
	1117119	3	12	50 75	1984	1834	1658	3069376 4191771	2823528 3529410	3529409 4235291
	201864	1	12	75 65		1888	1314	4191771	3529410 4235292	
	1120295	3			1488					4941173
	480788		10	50	1455	1498	1042	5519813	4941174	5647055
	482251	3	8	85	1720	1210	1705	6004596	5647056	6352937
	1211913	2	7 20	80	1495 1561	1726	0	6491482	6352938	7058819
	585466	1		85		0		7706616	7058820	7764701
	594316	3	15	60	1142	1731	1403	8293643	7764702	8470583
	303027	2	18	65	1503	1334	0	8892235	8470584	9176465
	1178373	3	6	100	1657	1080	1115	9198099	9176466	9882347
	691958	2	10	50	1311	1468	0	10380324	9882348	10588229
	453704	2	9	75	1991	1765	0	11075061	10588230	11294111
1 numb	er of pulses in	2 n waveform = «	13 41 ***********************************	55 	1469 **************	1250 +++	0	11532521	11294112	11999993
							40			
				Туре	5 Radar V	Vaveform	_13			
of Bur	fum = 13 sts = 11	200								
t Inte	erval (us)= 1090 Off Time	#	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us)	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
	590704	3	11	60	1128	1327	1012	590704	0	1090908
	1115214									
	1292319	3	5	65	1708	1421	1546	1709385	1090909	2181817
		3	8	95	1894	1095	1387	3006379	2181818	3272726
	1073575	1	7	70	1966	0	0	4084330	9000000	
	891262	1		70	1366	0	0		3272727	4363635
		1	12	55	1513	0	0	4976958	4363636	5454544
	762428	3	5	90	1481	1475	1766	5740899	5454545	6545453
	1849498									
	129884	1	9	75	1509	0	0	7595119	6545454	7636362
		1	19	90	1908	0	0	7726512	7636363	8727271
	1891536	1	20	65	1568	0	0	9619956	8727272	9818180
	1016364	1								
	1010004						^	10007000	9818181	10909089
		1	14	95	1812	0	0	10637888	2010101	10909009
	1069236	1 3	14 17	95 100	1812 1147	1652	1516	11708936	10909090	11999998



eform Mu				Туре	5 Radar W	laveform_	_14			
	un = 14									
of Burs	ts = 12 val (us)= 1000	000								
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)
	547941	2	12	95	1580	1081	0	547941	0	999999
	838076	1	12	75	1041	0	0	1388678	1000000	1999999
	700154	3	5	55	1261	1923	1435	2089873	2000000	2999999
	1317652	2	11	85	1497	1415	0	3412144	3000000	399999
	606059	2	7	100	1172	1197	0	4021115	4000000	4999999
	1495553	3	20	80	1245	1537	1702	5519037	5000000	5999999
	1075955	3	15	60	1495	1145	1120	6599476	6000000	6999999
	504106	2	6	90	1413	1863	0	7107342	7000000	7999999
	1064372	2	20	100	1728	1109	0	8174990	8000000	8999999
	943035	3	9	95	1914	1468	1727	9120862	9000000	9999999
	1362489	2	14	55	1187	1064	0	10488460	10000000	10999999
	573745	3	10	75	1269	1057	1675	11064456	11000000	11999999
l numbe	r of pulses in	waveform = 2	18 			*				
				Type	5 Radar W	laveform	15			
				Турс	O Itadai Vi	aveloiii.	_10			
form Nu	um = 15 sts = 10									
	val (us)= 1200									
t	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 (u:
	193439	1	19	85	1152	0	0	193439	0	1199999
	1145980	2								
	1372081		6	85	1394	1619	0	1340571	1200000	2399999
	1464955	2	8	65	1719	1670	0	2715665	2400000	3599999
	871107	1	5	75	1789	0	0	4184009	3600000	4799999
	1356410	1	13	50	1175	0	0	5056905	4800000	5999999
	1003678	3	19	80	1944	1712	1990	6414490	6000000	7199999
		3	18	95	1204	1456	1994	7423814	7200000	8399999
	2117619	1	20	50	1891	0	0	9546087	8400000	9599999
	892930	3	7	90	1615	1571	1361	10440908	9600000	10799999
	1203032	2	20	75	1407	1001	0	11648487	10800000	11999999
	or of nulses in	waveform = 1	19		1401		Ü	11040401	10800000	11999999
l numbe										
l numbe				_						
l numbe				Туре	5 Radar W	aveform_	_16			
form Nu	un = 16			Туре	5 Radar W	/aveform	_16			
form Nu		1000		Туре	5 Radar W	/aveform	_16			
form Nu	m = 16 its = 10 val (us) = 1200 Off Time (us)	0000 # Pulses	Chirp (MHz)	Type	5 Radar W	Pulse 2 Pri(us)	_16	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us
form Nu of Burs t Inter	m = 16 rts = 10 val (us) = 1200 Off Time (us) 319345	#	Chirp (MHz) 7	₽₩	Pulse 1	Pulse 2	Pulse 3		Start Burst Interval(us)	End Burst Interval(us
form Nu of Burs t Inter	m = 16 tts = 10 vval (us) = 1200 Off Time (us) 319345 925656	# Pulses	(MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	(us)	Interval (us)	Interval (us
form Nu of Burs t Inter	m = 16 rts = 10 val (us) = 1200 Off Time (us) 319345	# Pulses 2	(MHz) 7 17	PW (us) 95 90	Pulse 1 Pri(us) 1708 1750	Pulse 2 Pri(us) 1676	Pulse 3 Pri(us)	(us) 319345 1248385	Interval (us) 0 1200000	Interval (us 1199999
form Nu of Burs t Inter	m = 16 tts = 10 vval (us) = 1200 Off Time (us) 319345 925656	# Pulses 2 1	(MHz) 7 17 11	PW (us) 95 90 75	Pulse 1 Pri(us) 1708 1750	Pulse 2 Pri(us) 1676 0 1881	Pulse 3 Pri(us) O O	(us) 319345 1248385 2625580	Interval (us) 0 1200000 2400000	Interval (us 1199999 2399999 3599999
form Nu of Burs t Inter	um = 16 tts = 10 vval (us)= 1200 Off Time (us) 319345 925656 1375445	# Pulses 2 1 2	(MHz) 7 17 11 15	PW (us) 95 90 75	Pulse 1 Pri(us) 1708 1750 1782	Pulse 2 Pri(us) 1676 0 1881 1626	Pulse 3 Pri(us) 0 0	(us) 319345 1248385 2625580 3870875	Interval(us) 0 1200000 2400000 3600000	Interval (us 1199999 2399999 3599999 4799999
form Nu of Burs t Inter	um = 16 ets = 10 val (us) = 1200 Off Time (us) 319345 925656 1375445 1241632	#Pulses 2 1 2 2 1	(MHz) 7 17 11 15	PW (us) 95 90 75 95	Pulse 1 Pri(us) 1708 1750 1782 1099	Pulse 2 Pri(us) 1676 0 1881 1626	Pulse 3 Pri(us) 0 0 0	(us) 319345 1248385 2625580 3870875 5417987	Interval (us) 0 1200000 2400000 3600000 4800000	Interval (us 1199999 2399999 3599999 4799999 5999999
form Nu of Burs t Inter	um = 16 its = 10 val (us)= 1200 Off Time (us) 319345 925656 1375445 1241632 1544387 943361	# Pulses 2 1 2	(MHz) 7 17 11 15	PW (us) 95 90 75	Pulse 1 Pri(us) 1708 1750 1782	Pulse 2 Pri(us) 1676 0 1881 1626	Pulse 3 Pri(us) 0 0	(us) 319345 1248385 2625580 3870875	Interval(us) 0 1200000 2400000 3600000	Interval (us 1199999 2399999 3599999 4799999
form Nu of Burs t Inter	um = 16 its = 10 val (us) = 1200 Off Time (us) 319345 925656 1375445 1241632 1544387 943361 2025392	#Pulses 2 1 2 2 1	(MHz) 7 17 11 15	PW (us) 95 90 75 95	Pulse 1 Pri(us) 1708 1750 1782 1099	Pulse 2 Pri(us) 1676 0 1881 1626	Pulse 3 Pri(us) 0 0 0	(us) 319345 1248385 2625580 3870875 5417987	Interval (us) 0 1200000 2400000 3600000 4800000	Interval (us 1199999 2399999 3599999 4799999 5999999
form Nu of Burs t Inter	um = 16 its = 10 val (us) = 1200 Off Time (us) 319345 925656 1375445 1241632 1544387 943361 2025392 819943	# Pulses 2 1 2 2 1	(MHz) 7 17 11 15 5	PW (us) 95 90 75 95 100	Pulse 1 Pri(us) 1708 1750 1782 1099 1456 1559	Pulse 2 Pri(us) 1676 0 1881 1626 0	Pulse 3 Pri(us) 0 0 0 0	(us) 319345 1248385 2625580 3870875 5417987 6362804	Interval (us) 0 1200000 2400000 3600000 4800000 6000000	Interval (us 1199999 2399999 3599999 4799999 5999999
form Nu of Burs t Inter	um = 16 its = 10 val (us) = 1200 Off Time (us) 319345 925656 1375445 1241632 1544387 943361 2025392	# Pulses 2 1 2 2 1 1 2 2 2	(MHz) 7 17 11 15 5 8	PW (us) 95 90 75 95 100 76 85	Pulse 1 Pri(us) 1708 1750 1782 1099 1456 1559	Pulse 2 Pri(us) 1676 0 1881 1626 0 0	Pulse 3 Pri(us) 0 0 0 0 0	(us) 319345 1248385 2625580 3870875 5417987 6362804 8389755	Interval (us) 0 1200000 2400000 3600000 4800000 60000000 72000000	Interval (us 1199999 2399999 3599999 4799999 5999999 7199999 8399999



				Type	5 Radar W	/aveform	_17			
veform N	hum = 17			-		_				
m of Bur	sts = 14 erval (us)= 8571	.43								
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)
	423662	2	17	95	1949	1725	0	423662	0	857142
	1254398	1	6	95	1380	0	0	1681734	857143	1714285
	545877	2	16	85	1877	1574	0	2228991	1714286	2571428
	585002	2	6	85	1357	1053	0	2817444	2571429	3428571
	1182577	1	5	80	1938	0	0	4002431	3428572	4285714
	490334	1	12	70	1117	0	0	4494703	4285715	5142857
	1448720	2	16	75	1941	1570	0	5944540	5142858	6000000
	268608									
	1076044	3	13	90	1557	1164	1691	6216659	6000001	6857143
	1013146	2	9	50	1167	1038	0	7297115	6857144	7714286
	909523	3	8	95	1752	1363	1683	8312466	7714287	8571429
	941948	2	5	65	1451	1519	0	9226787	8571430	9428572
	556843	3	13	65	1350	1309	1809	10171705	9428573	10285715
	830429	3	8	75	1979	1319	1153	10733016	10285716	11142858
al numt	er of pulses in	2 waveform = 2	10 29	90	1980	1647	0	11567896	11142859	12000001
******	*****************					le#:				
				Туре	5 Radar W	/aveform	_18			
eform N	Vum = 18	_		_		_				_
st Inte	rsts = 20 erval (us)= 6000 Off Time (us)	#	Chirp (MHz)	PW	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst	End Burst Interval(us)
	(us) 32401	Pulses		(us)					Interval (us)	
	628774	1	12 17	60 85	1929 1470	0	0	32401 663104	o 600000	59999 119999
	635068	1	16	85	1008	0	0	1299642	1200000	1799999
	1073440	1	13	85	1543	0	0	2374090	1800000	2399999
	326940 405738	2	13	75	1875	1605	0	2702573	2400000	2999999
	544965	2	18	80	1590	1647	0	3111791	3000000	3599999
	692987	3 1	14	100	1372 1998	1215	1108	3659993	3600000 4200000	4199999
	997830	1	15 17	75 70	1998	0	0	4356675 5356503	4200000	4799999 5399999
	317271	3	18	55	1548	1339	1728	5674799	5400000	5999999
	472609	3	19	85	1121	1816	1265	6152023	6000000	6599999
2	923334 397823	2	17	90	1858	1425	0	7079559	6600000	7199999
3	729077	1	17	55	1381	0	0	7480665	7200000	7799999
	392023	3	16	100	1086	1202	1384	8211123	7800000	8399999
5	710679	3	17 12	90 80	1612 1654	1541 1651	1944 1465	8606818 9322594	8400000 9000000	8999999 9599999
7	861221	3	9	70	1753	1741	1851	10188585	9600000	10199999
3	583152	1	10	60	1289	0	0	10777082	10200000	10799999
9	459162	3	12	95	1809	1535	1326	11237533	10800000	11399999
al numb	412077 per of pulses in	1 n waveform = :	39	85	1071	0	0	11654280	11400000	11999999
********			******							
				Туре	5 Radar W	laveform _.	_19			
eform N n of Bur	Jum = 19 :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)
	716105	2	15	65	1108	1751	0	716105	0	923076
	847604	3	17	65	1828	1842	1132	1566568	923077	1846153
	377938	2	8	65	1374	1744	0	1949308	1846154	2769230
	1272965									
	895050	3	20	80	1982	1143	1119	3225391	2769231	3692307
	1313982	2	18	75	1950	1144	0	4124685	3692308	4615384
	537927	1	14	85	1703	0	0	5441761	4615385	5538461
		2	18	65	1994	1336	0	5981391	5538462	6461538
	992194	3	12	80	1843	1109	1076	6976915	6461539	7384615
	1075194	3	17	50	1118	1920	1802	8056137	7384616	8307692
	956964	3	12	85	1559	1031	1471	9017941	8307693	9230769
		9						9017941		10153846
	257567	_						u270560		
	257567 1099750	2	11	80	1992	1212	0		9230770	
		2 3	11 7	80 70	1992 1982	1961	1028	10382523	10153847	11076923



				Type	5 Radar W	laveform_	_20			
aveform N	sts = 16									
urst Inte urst	orval (us)= 7500 Off Time	#	Chirp	P.W	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
1	(us) 399940	Pulses	Chirp (MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
	1041733	1	16	70	1530	0	0	399940	0	749999
	229558	3	15	100	1899	1824	1725	1443203	750000	1499999
	732404	3	10	55	1163	1835	1083	1678209	1500000	2249999
		1	7	85	1857	0	0	2414694	2250000	2999999
	661062	2	13	65	1119	1190	0	3077613	3000000	3749999
	674610	3	20	60	1596	1021	1697	3754532	3750000	4499999
	1095960	2	10	80	1617	1788	0	4854806	4500000	5249999
	1125679	3	6	50	1114	1112	1429	5983890	5250000	599999
	594655	2	11	85	1423	1976	0	6582200	6000000	6749999
	338789		5			0	0			
	640310	1		50	1241			6924388	6750000	7499999
1	1209732	3	11	90	1902	1248	1644	7565939	7500000	8249999
2	533520	1	16	90	1548	0	0	8780465	8250000	8999999
3	658058	3	6	60	1644	1250	1712	9315533	9000000	9749999
4	1023822	1	15	85	1113	0	0	9978197	9750000	10499999
5	750534	3	20	50	1944	1206	1026	11003132	10500000	11249999
5	er of pulses in	2	16	75	1803	1110	0	11757842	11250000	11999999
tai numb	er or purses in	1 waverorm = 3	34 1010101010101010101 0	********	1919-1919-1919-1919	**				
				Type	5 Radar W	/aveform	21			
				.,,,,			<u> · </u>			
veform No m of Bur: rst Inte:	fum = 21 sts = 12 rval (us)= 1000	0000								
rst	Off Time	# Pulses	Chirp (MHz)	P₩ (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)		End Burst Interval(us)
	504053									
	1192417	3	9	60	1659	1838	1671	504053	0	999999
		3	5	75	1024	1515	1631	1701638	1000000	1999999
	470160	2	20	75	1566	1540	0	2175968	2000000	2999999
	1492364						-			
	414644	2	19	50	1734	1267	0	3671438	3000000	3999999
		3	16	90	1916	1964	1239	4089083	4000000	4999999
	1719337	3	18	55	1024	1487	1926	5813539	5000000	5999999
	1005794									
	602952	2	17	80	1709	1654	0	6823770	6000000	6999999
	609575	3	12	95	1828	1715	1763	7430085	7000000	7999999
		1	7	65	1530	0	0	8044966	8000000	8999999
)	1406300	1	19	100	1270	0	0	9452796	9000000	9999999
	1228144	_								
L	953619	1	13	70	1916	0	0	10682210	10000000	10999999
2 tal numb	er of pulses in	1 n waveform = 2	19 5	95	1782	0	0	11637745	11000000	11999999
	***************************************	***************************************	-			*				
				Type	5 Radar W	lavoform	22			
				туре	3 Nauai V	raveloi III	_22			
veform N m of Bur rst Inte	Num = 22 ssts = 16 erval (us)= 7500	000								
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	t End Burst
	721697	ruises 3			1805	1662			O O	749999
	386735		18	90			1044	721697		
	941633	1	6	70	1057	0	0	1112943	750000	1499999
	747999	2	13	85	1891	1708	0	2055633	1500000	2249999
	888300	1	17	100	1673	0	0	2807231	2250000	2999999
	255469	3	20	95	1165	1506	1544	3697204	3000000	3749999
	826802	1	10	80	1383	0	0	3956888	3750000	4499999
		1	19	70	1179	0	0	4785073	4500000	5249999
			13	95	1692	1516	1433	5584784	5250000	5999999
	798532	3			1010	0	0	6288309	6000000	6749999
	798532 698884	3	13	60				7289609	6750000	7499999
	798532 698884 1000290		13 18	90	1139	0	0			
o	798532 698884 1000290 407429	1	18	90	1139	o 1642				
o 1	798532 698884 1000290	1 1 3	18 11	90 100	1139 1689	1642	1640	7698177	7500000	8249999
0 1 2	798532 698884 1000290 407429	1 1 3 3	18 11 18	90 100 65	1139 1689 1939	1642 1373	1640 1570	7698177 8557759	7500000 8250000	8249999 8999999
o 1 2	798532 698884 1000290 407429 854611	1 1 3 3	18 11 18 12	90 100 65 95	1139 1689 1939 1426	1642 1373 1631	1640 1570 1441	7698177 8557759 9316748	7500000 8250000 9000000	8249999 8999999 9749999
o 1 2 3 4	798532 698884 1000290 407429 854611 754107	1 1 3 3 3	18 11 18 12 5	90 100 65 95 80	1139 1689 1939 1426 1242	1642 1373 1631 0	1640 1570 1441 0	7698177 8557759 9316748 9990851	7500000 8250000 9000000 9750000	8249999 8999999 9749999 10499999
) 1 2 3	798532 698884 1000290 407429 854611 754107 669605	1 1 3 3	18 11 18 12	90 100 65 95	1139 1689 1939 1426	1642 1373 1631	1640 1570 1441	7698177 8557759 9316748	7500000 8250000 9000000	8249999 8999999 9749999



				Туре	5 Radar V	Vaveform_	_23			
veform Num of Bur:	um = 23									
rst Inter	rval (us)= 6666	67	Christen.	PW	Deslare 1	P-1 0	D-1 0	Store I	Store Broom	To d Boom at
ırst	Off Time (us) 273996	# Pulses	Chirp (MHz)	(us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval (us)	End Burst Interval(us)
	571519	3	7	75	1025	1858	1186	273996	0	666666
	985022	1	12	85	1938	0	0	849584	666667	1333333
	790574	2	10	90	1765	1112	0	1836544	1333334	2000000
	648793	2	12	65	1280	1453	0	2629995	2000001	2666667
		2	15	60	1263	1795	0	3281521	2666668	3333334
	70798	1	6	100	1955	0	0	3355377	3333335	4000001
	1172774	1	19	85	1870	0	0	4530106	4000002	4666668
	384630	3	5	65	1951	1768	1912	4916606	4666669	5333335
	612349	1	7	70	1156	0	0	5534586	5333336	6000002
)	657008	3	11	85	1613	1838	1279	6192750	6000003	6666669
L	999557	1	19	100	1917	0	0	7197037	6666670	7333336
2	159196	3	6	100	1391	1892	1699	7358150	7333337	8000003
3	1212797	3	20	95	1371	1057	1947	8575929	8000004	8666670
ı	720902	1	16	60	1120	0	0	9301206	8666671	9333337
* 5	385694	1	16	50	1515	0	0	9688020	9333338	10000004
o 5	874338	2	16	50 55	1925	1816	0	10563873	10000005	10000004
,	583907	1	8	100	1925	0	0	11151521	10666672	11333338
	328331	2		100		1960	0	11151521	10666672	12000005
3 tal numbe	er of pulses in	waveform = 3	11		1823		U	11480857	11333339	12000005
99999999	****************	************	**********	 	************	*				
				Туре	5 Radar V	Vaveform _.	_24			
reform No	sts = 14									
rst Inte: rst	rval (us)= 8571 Off Time	L43 #	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 561948	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
		1	18	100	1982	0	0	561948	0	857142
	361459	3	12	65	1961	1237	1058	925389	857143	1714285
	1018883									
	1440370	1	20	60	1510	0	0	1948528	1714286	2571428
	230674	1	19	85	1458	0	0	3390408	2571429	3428571
		1	15	50	1682	0	0	3622540	3428572	4285714
	1476753	1	17	95	1181	0	0	5100975	4285715	5142857
	760955	1				0	0	5863111		
	982224		19	85	1592				5142858	6000000
	589329	1	11	100	1620	0	0	6846927	6000001	6857143
	395118	2	20	100	1984	1213	0	7437876	6857144	7714286
)		2	10	60	1892	1421	0	7836191	7714287	8571429
	993855	1	14	60	1135	0	0	8833359	8571430	9428572
	678830									
2	1505168	2	11	55	1984	1760	0	9513324	9428573	10285715
i	659668	1	15	100	1058	0	0	11022236	10285716	11142858
al numb	er of pulses in	1 n waveform = :	11 19	95	1339	0	0	11682962	11142859	12000001

				Туре	5 Radar V	Vaveform _.	_25			
reform N	um = 25 sts = 18 rval (us)= 666									
st Inte	rval (us)= 666 Off Time (us)	#	Chirp (MHz)	₽₩	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc	Start Burs	End Burst
	(us) 320664	Pulses		(us)				(us)	Interval (u:	
	869652	1	17	90	1124	0	0	320664	0	666666
		2	16	100	1763	1704	0	1191440	666667	1333333
	686106	1	12	50	1728	0	0	1881013	1333334	2000000
	686106 710808		8	65	1061	1134	1088	2593549	2000001	2666667
	710808	3		100	1743	1175	1265	3180986	2666668	3333334
	710808 584154	3	9	200		0	0	3394620	3333335	4000001
	710808 584154 209451	-	9 5	55	1823		1.470	4103037	4000002	4666668
	710808 584154 209451 706594	3			1823 1200	1079	1470			
	710808 584154 209451 706594 1154850	3	5	55		1079 1642	1264	5261636	4666669	5333335
	710808 584154 209451 706594 1154850 621420	3 1 3	5 13	55 85	1200			5261636 5887012	466669 5333336	5333335 6000002
,	710808 584154 209451 706594 1154850 621420 167737	3 1 3 3	5 13 14	55 85 100	1200 1050	1642	1264			
	710808 584154 209451 706594 1154850 621420 167737 1184618	3 1 3 3	5 13 14 16 9	55 85 100 80 85	1200 1050 1405 1489	1642 1692	1264 0	5887012 6057846	5333336 6000003	6000002
-	710808 584154 209451 706594 1154850 621420 167737 1184618 226627	3 1 3 3 2 2	5 13 14 16	55 85 100 80 85 100	1200 1050 1405 1489 1048	1642 1692 1214	1264 0 1321	5887012 6057846 7246488	5333336 6000003 6666670	6000002 6666669 7333336
L 2	710808 584154 209451 706594 1154850 621420 167737 1184618 226627 1123488	3 1 3 3 2 3 3	5 13 14 16 9 12 9	55 85 100 80 85 100 90	1200 1050 1405 1489 1048	1642 1692 1214 1136 0	1264 0 1321 1568 0	5887012 6057846 7246488 7476867	5333336 6000003 6666670 7333337	6000002 6666669 7333336 8000003
? 3	710808 584154 209451 706594 1154850 621420 167737 1184618 226627	3 1 3 3 2 3 3 3	5 13 14 16 9 12 9	55 85 100 80 85 100 90	1200 1050 1405 1489 1048 1724	1642 1692 1214 1136 0	1264 0 1321 1568 0	5887012 6057846 7246488 7476867 8602079	5333336 6000003 6666670 7333337 8000004	6000002 6666669 7333336 8000003 8666670
: :	710808 584154 209451 706594 1154850 621420 167737 1184618 226627 1123488	3 1 3 3 2 3 1 1 1 3 3	5 13 14 16 9 12 9 20	55 85 100 80 85 100 90 85	1200 1050 1405 1489 1048 1724 1359	1642 1692 1214 1136 0 0	1264 0 1321 1568 0 0 1218	5887012 6057846 7246488 7476867 8602079 9274026	5333336 6000003 6666670 7333337 8000004 8666671	6000002 6666669 7333336 8000003 8666670 9333337
) L 2 3 4	710808 584154 209451 706594 1154850 621420 167737 1184618 226627 1123488 670588	3 1 3 2 3 3 1	5 13 14 16 9 12 9 20 15	55 85 100 80 85 100 90 85 100 60	1200 1050 1405 1489 1048 1724 1359 1460	1642 1692 1214 1136 0 0 1357	1264 0 1321 1568 0 0 1218	5887012 6057846 7246488 7476867 8602079 9274026 9822862	533336 600003 6666670 7333337 8000004 8666671 9333338	6000002 6666669 7333336 8000003 8666670 9333337 10000004
L 2 3 1 5	710808 584154 209451 706594 1154850 621420 167737 1184618 226627 1123488 670588 544801	3 1 3 3 2 3 3 1 1 1 3	5 13 14 16 9 12 9 20 15 18	55 85 100 80 85 100 90 85 100 60	1200 1050 1405 1489 1048 1724 1359 1460 1656	1642 1692 1214 1136 0 0 1357 0	1264 0 1321 1568 0 0 1218 0	5887012 6057846 7246488 7476867 8602079 9274026 9822862 10476418	533336 600003 6666670 7333337 8000004 8666671 933338 10000005	6000002 6666669 7333336 8000003 8666670 9333337 10000004 10666671
L 3 1	710808 584154 209451 706594 1154850 621420 167737 1184618 226627 1123488 670588 544801 651900	3 1 3 2 3 3 1	5 13 14 16 9 12 9 20 15	55 85 100 80 85 100 90 85 100 60	1200 1050 1405 1489 1048 1724 1359 1460	1642 1692 1214 1136 0 0 1357	1264 0 1321 1568 0 0 1218	5887012 6057846 7246488 7476867 8602079 9274026 9822862	533336 600003 6666670 7333337 8000004 8666671 9333338	6000002 6666669 7333336 8000003 8666670 9333337 10000004



				Туре	5 Radar V	Vaveform	_26			
veform Nu m of Bur:	sts = 17									
rst Inter rst	val (us)= 7058 Off Time	#	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst	End Burst Interval(us)
	(us) 678934	Pulses							Interval (us)	
	252950	3	19	60	1951	1633	1025	678934	0	705881
	738207	2	19	95	1684	1201	0	936493	705882	1411763
	1087433	1	17	70	1317	0	0	1677585	1411764	2117645
	329250	2	7	55	1043	1366	0	2766335	2117646	2823527
	996688	2	15	90	1585	1371		3097994	2823528	3529409
	569518	2	15	55	1168	1322	0	4097638	3529410	4235291
	395272	2	11	60	1331	1506	0	4669646	4235292	4941173
	983759	3	10	65	1720	1941	1883	5067755	4941174	5647055
	365804	1	10	65	1110	0	0	6057058	5647056	6352937
	812965	2	8	100	1762	1966	0	6423972	6352938	7058819
	1081152	2	14	55	1706	1420	0	7240665	7058820	7764701
	808068	1	13	95	1142	0	0	8324943	7764702	8470583
	282364	2	13	60	1609	1711	0	9134153	8470584	9176465
	716158	3	19	50	1078	1973	1026	9419837	9176466	9882347
	564663	3	5	95	1027	1132	1585	10140072	9882348	10588229
	807171	1	15	70	1254	0	0	10708479	10588230	11294111
al numbe	er of pulses in	2 n waveform = :	18 34	100	1030	1298	0	11516904	11294112	11999993
			******	**********		+-*				
				Туре	5 Radar V	Vaveform	_27			
eform No	um = 27 sts = 18 rval (us)= 666	567								
st		#	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burs	End Burst
	Off Time (us) 508083	Pulses	Chirp (MHz)	(us)	Pulse 1 Pri(us)	Pri(us)	Pri(us)	(us)	Interval (u:	:) Interval(us
	556166	2	16	80	1963	1545	0	508083	0	666666
	374470	2	7	90	1046	1757	0	1067757	666667	1333333
	871040	3	18	100	1569	1648	1438	1445030	1333334	2000000
	507308	1	14	60	1300	0	0	2320725	2000001	2666667
	1112542	2	7	80	1627	1885	0	2829333	2666668	3333334
	419695	3	19	70	1699	1921	1258	3945387	3333335	4000001
	419695 523711	3	14	60	1286	1529	1374	4369960	4000002	4666668
	675085	2	20	95	1216	1692	0	4897860	4666669	5333335
	857705	1	5	85	1215	0	0	5575853	5333336	6000002
	857705 795767	1	14	85	1592	0	0	6434773	6000003	6666669
	630355	1	9	90	1984	0	0	7232132	6666670	7333336
	592986	2	6	65	1243	1316	0	7864471	7333337	8000003
	592986 280747	3	16	70	1107	1416	1792	8460016	8000004	8666670
		1	5	70	1457	0	0	8745078	8666671	9333337
	648926	1	8	65	1447	0	0	9395461	9333338	10000004
	633422	2	13	50	1600	1625	0	10030330	10000005	10666671
	761036	2	12	60	1861	1688	0	10794591	10666672	11333338
	807207	2	13	50	1128	1562	0	11605347	11333339	12000005
al numb	er of pulses i	n waveform =	34							
				Туре	5 Radar V	Vaveform	_28			
eform N	um = 28_									
of Burs st Inter st	val (us)= 8000 Off Time	#	Chirp (MHz)	P.W	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3	Start Loc	Start Burst	End Burst Interval(us)
	(us) 26247	Pulses		(us)			Pri(us)	(us)		
	940710	2	18	80	1400	1479	0	26247	0	799999
		3	16	70	1106	1645	1050	969836	800000	1599999
	1057964	1	11	65	1165	0	0	2031601	1600000	2399999
	630761	2	16	60	1456	1533	0	2663527	2400000	3199999
	746664	1	5	95	1380	0	0	3413180	3200000	3999999
	1134355	3	15	65	1748	1115	1776	4548915	4000000	4799999
	814368									
	937768	3	6	75	1714	1481	1441	5367922	4800000	5599999
		2	7	75	1439	1621	0	6310326	5600000	6399999
	737072	1	9	100	1909	0	0	7050458	6400000	7199999
	737072		6	65	1186	1608	0	7641794	7200000	7999999
	589427	2	_			1601	0	8106896	8000000	8799999
	589427 462308	2	19	100	1613					
	589427	2	19				1843		8800000	9599999
	589427 462308	2 3	19 9	60	1603	1060	1843	9169248	8800000	9599999
	589427 462308 1059138	2 3 2	19 9 8	60 60	1603 1355	1060 1192	0	9169248 10071846	9600000	10399999
	589427 462308 1059138 898092	2 3	19 9	60	1603	1060		9169248		





				туре	5 Radar V	Taveloilli				
un of Bu	Num = 29 rsts = 10 erval (us)= 1200	0000								
iurst !	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	1154235	2	5	55	1253	1491	0	1154235	0	1199999
2	622494	1	6	70	1259	0	О	1779473	1200000	2399999
3	1308356	3	11	90	1649	1543	1914	3089088	2400000	3599999
1	1702123	2	16	50	1702	1918	0	4796317	3600000	4799999
• 5	516126	1	20	85	1338	0	0	5316063	4800000	5999999
	854165					0	0			
6	1253814	1	14	55	1982			6171566	6000000	7199999
7	1150511	2	15	65	1233	1087	0	7427362	7200000	8399999
В	1840132	2	9	95	1582	1550	0	8580193	8400000	9599999
9	1200003	1	18	95	1226	0	0	10423457	9600000	10799999
10		2	14	95	1831	1224	0	11624686	10800000	11999999
otal num	***************						- 00			
otai num	***************************************				5 Radar V		ı_30			
aveform	*************						ı_30			
aveform : um of Bu	Num = 30 rsts = 14 erval (us) = 8571 Off Time (us)		Chirp (MHz)				Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
aveform: um of Bu urst Int	Num = 30 rsts = 14 erval (us)= 8571 Off Time (us) 13795	43	Chirp	Type	• 5 Radar V	Vaveform Pulse 2	Pulse 3		Start Burst Interval(us)	
aveform: im of Bu: urst Int urst	Num = 30 rsts = 14 erval (us) = 8571 Off Time (us) 13795 1640031	43 # Pulses	Chirp (MHz)	Type	Pulse 1 Pri(us)	Vaveform Pulse 2 Pri (us)	Pulse 3 Pri(us)	(us)	Interval (us)	Interval (us)
aveform: um of Bu urst Int urst	Num = 30 rets = 14 erval (us) = 8571 Off Time (us) 13795 1640031 485399	43 # Pulses 1	Chirp (MHz) 8	Type	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	(us) 13795	Interval (us)	Interval (us) 857142
aveform: aveform: um of Bu urst Int urst 1	Num = 30 rets = 14 erval (us) = 8571 Off Time (us) 13795 1640031 485399 1241865	43 # Pulses 1 1	Chirp (MHz) 8 17	Type Pw (us) 95 50	Pulse 1 Pri(us) 1357 1741	Pulse 2 Pri(us)	Pulse 3 Pri(us) O	(us) 13795 1655183	Interval (us) 0 857143	Interval (us) 857142 1714285
aveform aveform aveform aveform aveform aveform average averag	Num = 30 rsts = 14 erval (us) = 8571 Off Time (us) 13795 1640031 485399 1241865 291757	43 # Pulses 1 1 3	Chirp (MHz) 8 17	Pw (us) 95 50 65	Pulse 1 Pri(us) 1357 1741 1323	Pulse 2 Pri(us) 0 0	Pulse 3 Pri(us) 0 0	(us) 13795 1655183 2142323	Interval (us) 0 857143 1714286	Interval (us) 857142 1714285 2571428
aveform in a very constant of the constant of	Num = 30 rets = 14 erval (us) = 8571 Off Time (us) 13795 1640031 485399 1241865 291757 900125	43 # Pulses 1 1 3 2	Chirp (MHz) 8 17 18	Pw (us) 95 50 65 95	Pulse 1 Pri(us) 1357 1741 1323 1882	Pulse 2 Pri(us) 0 0 1039 1519	Pulse 3 Pri(us) 0 0 1296	(us) 13795 1655183 2142323 3387846	Interval (us) 0 857143 1714286 2571429	Interval (us) 857142 1714285 2571428 3428571
aveform: um of Bu urst Int urst 1 2 3 4 5	Num = 30 rats = 14 erval (us) = 8571 Off Time (us) 13795 1640031 485399 1241865 291757 900125 1389363	43 # Pulses 1 1 3 2 2	Chirp (MHz) 8 17 18 19	Pw (us) 95 50 65 95 90	Pulse 1 Pri (us) 1357 1741 1323 1882 1611	Pulse 2 Pri(us) 0 0 1039 1519 1597	Pulse 3 Pri(us) 0 0 1296 0	(us) 13795 1655183 2142323 3387846 3683004	Interval (us) 0 857143 1714286 2571429 3428572	Interval (us) 857142 1714285 2571428 3428571 4285714
aveform: um of Bu urst Int urst 2 3 4 5	Num = 30 rsts = 14 erval (us) = 8571 (us) 13795 1640031 485399 1241865 291757 900125 1389363 347738	43 # Pulses 1 1 3 2 2 2	Chirp (MHz) 8 17 18 19 10	Pw (us) 95 50 65 95 90 65	Pulse 1 Pri (us) 1357 1741 1323 1882 1611 1044	Pulse 2 Pri(us) 0 0 1039 1519 1597 1167	Pulse 3 Pri(us) 0 0 1296 0	(us) 13795 1655183 2142323 3387846 3683004 4586337	Interval (us) 0 857143 1714286 2571429 3428572 4285715	Interval (us) 857142 1714285 2571428 3428571 4285714 5142857
aveform: un of Bu urst Int urst 1 2 3 4 5 7 3	Num = 30 rsts = 14 rrval (us) = 8571 (us) = 13795 1640031 485399 1241865 291757 900125 1389363 347738 1154186	43 # Pulses 1 3 2 2 1	Chirp (MHz) 8 17 18 19 10 18	PW (us) 95 50 65 90 65 50	Pulse 1 Pri (us) 1957 1741 1923 1882 1611 1044 1482	Pulse 2 Pri(us) 0 0 1039 1519 1597 1167	Pulse 3 Pri(us) 0 0 1296 0 0	(us) 13795 1655183 2142323 3387846 3683004 4586337 5977911	Interval (us) 0 857143 1714286 2571429 3428572 4285715 5142858	Interval (us) 857142 1714285 2571428 3428571 4285714 5142857 6000000
aveform: un of Bu un of Bu urst Int urst 1 2 3 4 5 7 3	Num = 30 rsts = 1 erval (us) = 8571 (us) = 8571 (us) = 13795 1640031 485399 1241865 291757 900125 1389363 347738 1154186 344071	43 # Pulses 1 1 2 2 2 1 3	Chirp (MHz) 8 17 18 19 10 18 9	PW (us) 95 50 65 90 65 50 100	Pulse 1 Pri (us) 1357 1741 1323 1882 1611 1044 1482 1261	Pulse 2 Pri(us) 0 0 1039 1519 1597 1167 0	Pulse 3 Pri(us) 0 0 1296 0 0 0	(us) 13795 1655183 2142323 3387846 3683004 4586337 5977911 6327131	Interval (us) 0 857143 1714286 2571429 3428572 4285715 5142858 6000001	Interval (us) 857142 1714285 2571428 3428571 4285714 5142857 6000000 6857143
aveform: ave	Num = 30 rests = 14 erval (us) = 8571 Off Time (us) = 13795 1640031 485399 1241865 291757 900125 1389363 347738 1154186 344071 1188644	43 # Pulses 1 1 3 2 2 2 1 3 1	Chirp (MHz) 8 17 18 19 10 18 9 7	PW (us) 95 50 65 95 90 65 50 100 60	Pulse 1 Pri (us) 1357 1741 1323 1882 1611 1044 1482 1261 1362	Pulse 2 Pri(us) 0 0 1039 1519 1597 1167 0 1322	Pulse 3 Pri(us) 0 0 1296 0 0 0 0	(us) 13795 1655183 2142323 3387846 3683004 4586337 5977911 6327131 7485438	Interval (us) 0 857143 1714286 2571429 3428572 4285715 5142858 6000001 6857144	Interval (us) 857142 1714285 2571428 3428571 4285714 5142857 6000000 6857143 7714286
aveform: um of Bu urst Int urst 1 2 3 4 5 7 3 9 10	Num = 30 rets = 14 erval (us) = 8571 Off Time (us) = 13795 1640031 485399 1241865 291757 900125 1389363 347738 1154186 344071 1188644 1235390	43 # Pulses 1 1 3 2 2 2 1 3 1 1	Chirp (MHz) 8 17 18 19 10 18 9 7	Pw (us) 95 50 65 95 90 65 50 100 60 80	Pulse 1 Pri (us) 1357 1741 1323 1882 1611 1044 1482 1261 1362 1828	Pulse 2 Pri(us) 0 0 1039 1519 1597 1167 0 1322 0	Pulse 3 Pri(us) 0 0 1296 0 0 0 0 1538	(us) 13795 1665183 2142323 3387846 3683004 4586337 5977911 6327131 7485438 7830871	Interval (us) 0 857143 1714286 2571429 3428572 4285715 5142858 6000001 6857144 7714287	Interval (us) 857142 1714285 2571428 3428571 4285714 5142857 6000000 6857143 7714286 8571429
Vaveform :	Num = 30 rests = 14 erval (us) = 8571 Off Time (us) = 13795 1640031 485399 1241865 291757 900125 1389363 347738 1154186 344071 1188644	43 # Pulses 1 1 3 2 2 1 1 3 1 1 1	Chirp (MHz) 8 17 18 19 10 18 9 7 10	Pw (us) 95 50 65 96 50 100 60 80 55	Pulse 1 Pri(us) 1957 1741 1923 1882 1611 1044 1482 1261 1962 1828 1497	Pulse 2 Pri(us) 0 0 1039 1519 1597 1167 0 1322 0	Pulse 3 Pri(us) 0 0 1296 0 0 0 0 0 1538	(us) 13795 1655183 2142323 3387846 3683004 4586337 5977911 6327131 7485438 7830871 9021343	Interval (us) 0 857143 1714286 2571429 3428572 4285715 5142858 6000001 6857144 7714287 8571430	Interval (us) 857142 1714285 2571428 3428571 4285714 5142857 6000000 6857143 7714286 8571429 9428572



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	5309	1	16	5309	1
2	5309	1	17	5309	1
3	5309	1	18	5309	1
4	5309	1	19	5309	1
5	5309	1	20	5309	1
6	5309	1	21	5309	1
7	5309	1	22	5309	1
8	5309	1	23	5309	1
9	5309	1	24	5309	1
10	5309	1	25	5309	1
11	5309	1	26	5309	1
12	5309	1	27	5309	1
13	5309	1	28	5309	1
14	5309	1	29	5309	1
15	5309	1	30	5309	1
	Det	ection Percentage	(%)		100%



F	Radar waveform #	1	F	Radar waveform #	2
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5327	3	7	5317	21
8	5317	24	10	5332	30
9	5336	27	22	5293	66
19	5285	57	24	5292	72
33	5316	99	29	5297	87
35	5294	105	30	5339	90
39	5305	117	35	5298	105
69	5326	207	43	5318	129
84	5335	252	47	5327	141
87	5339	261	50	5338	150
99	5325	297	54	5288	162
			76	5289	228
			99	5313	297

F	Radar waveform #	3	F	Radar waveform #	4
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
9	5329	27	0	5306	0
20	5324	60	10	5313	30
23	5315	69	15	5329	45
36	5328	108	16	5308	48
38	5280	114	25	5335	75
41	5334	123	28	5296	84
53	5306	159	33	5315	99
71	5326	213	39	5318	117
77	5327	231	47	5312	141
82	5331	246	52	5283	156
84	5320	252	59	5334	177
85	5317	255	60	5300	180
96	5309	288	65	5317	195
			72	5319	216
			85	5281	255



F	Radar waveform #	5	F	Radar waveform #	6
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
37	5316	111	2	5292	6
40	5301	120	9	5328	27
42	5280	126	12	5281	36
47	5299	141	21	5282	63
54	5302	162	33	5327	99
59	5294	177	39	5301	117
60	5285	180	42	5308	126
61	5339	183	58	5311	174
62	5310	186	66	5303	198
72	5284	216	72	5285	216
			74	5287	222
			85	5321	255
			95	5330	285
			96	5314	288

F	Radar waveform #	7	F	Radar waveform #	8
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
1	5289	3	9	5324	27
8	5334	24	15	5338	45
13	5311	39	57	5305	171
18	5310	54	58	5316	174
23	5325	69	61	5280	183
24	5320	72	65	5294	195
38	5293	114	70	5309	210
39	5314	117	72	5310	216
68	5313	204	82	5314	246
72	5333	216	87	5291	261
74	5321	222	92	5281	276
91	5318	273	97	5303	291



F	Radar waveform #	9	R	adar waveform #	10
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
11	5333	33	0	5303	0
22	5316	66	10	5311	30
37	5303	111	13	5334	39
44	5313	132	29	5322	87
47	5285	141	32	5302	96
55	5337	165	35	5305	105
65	5306	195	41	5299	123
72	5290	216	42	5281	126
98	5312	294	51	5318	153
			66	5283	198
			74	5319	222
			89	5284	267
			98	5336	294

R	Radar waveform #11			Radar waveform #12		
Hopping	Frequency	Pulse Start (ms)	Frequency	Hopping	Pulse Start (ms)	
Number	(MHz)		(MHz)	Number		
0	5286	0	0	5286	0	
2	5290	6	6	5287	18	
15	5283	45	9	5303	27	
16	5319	48	24	5311	72	
20	5311	60	35	5313	105	
34	5315	102	37	5317	111	
41	5316	123	52	5307	156	
47	5329	141	65	5320	195	
66	5293	198	82	5334	246	
67	5292	201	83	5338	249	
76	5281	228	90	5283	270	
92	5321	276				
98	5295	294				





R	adar waveform #1	13	R	adar waveform #1	14
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
0	5283	0	0	5300	0
11	5293	33	10	5335	30
12	5315	36	12	5313	36
20	5316	60	13	5319	39
23	5306	69	20	5280	60
41	5303	123	23	5318	69
44	5281	132	25	5336	75
67	5295	201	33	5326	99
77	5286	231	40	5308	120
85	5321	255	41	5324	123
86	5309	258	43	5328	129
87	5285	261	48	5320	144
89	5288	267	64	5333	192
90	5305	270	65	5294	195
99	5308	297	86	5304	258
			96	5285	288
			97	5288	291





R	adar waveform #1	15	Radar waveform #16		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
5	5297	15	18	5328	54
12	5322	36	19	5301	57
19	5301	57	21	5293	63
20	5294	60	34	5282	102
33	5313	99	35	5333	105
34	5280	102	49	5325	147
35	5333	105	50	5332	150
37	5331	111	51	5318	153
48	5305	144	55	5339	165
49	5289	147	59	5283	177
66	5317	198	66	5281	198
70	5320	210	71	5331	213
76	5328	228	84	5336	252
90	5282	270	95	5323	285
96	5291	288			



R	Radar waveform #17			Radar waveform #18		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
5	5314	15	22	5319	66	
15	5327	45	33	5315	99	
43	5335	129	57	5290	171	
52	5302	156	68	5288	204	
56	5296	168	77	5291	231	
66	5331	198	82	5304	246	
77	5336	231	85	5329	255	
81	5301	243	92	5298	276	
82	5334	246	97	5328	291	
84	5309	252	99	5336	297	
98	5322	294				

R	adar waveform #1	19	Radar waveform #20		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
8	5285	24	10	5290	30
14	5284	42	36	5289	108
48	5317	144	43	5321	129
59	5307	177	59	5280	177
65	5326	195	73	5324	219
85	5305	255	77	5336	231
91	5322	273	82	5294	246
95	5297	285	87	5302	261
			88	5320	264
			90	5311	270



R	adar waveform #2	21	R	adar waveform #2	22
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
7	5291	21	2	5283	6
16	5281	48	3	5281	9
33	5327	99	6	5321	18
38	5300	114	11	5290	33
44	5293	132	28	5338	84
50	5326	150	29	5322	87
66	5296	198	57	5339	171
75	5328	225	60	5295	180
80	5306	240	62	5303	186
86	5313	258	69	5314	207
88	5330	264	72	5312	216
95	5302	285	78	5319	234
96	5336	288	80	5306	240
			82	5291	246
			83	5280	249
			90	5317	270
			91	5296	273

R	Radar waveform #23			Radar waveform #24		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
4	5280	12	17	5283	51	
6	5282	18	22	5329	66	
36	5330	108	25	5334	75	
41	5284	123	51	5325	153	
42	5317	126	53	5316	159	
55	5303	165	73	5287	219	
66	5295	198	75	5327	225	
68	5326	204	83	5301	249	
77	5291	231	86	5333	258	
78	5334	234	93	5317	279	
90	5279	270	97	5311	291	



R	Radar waveform #25			Radar waveform #26		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
7	5299	21	1	5301	3	
27	5286	81	11	5300	33	
61	5280	183	27	5280	81	
79	5307	237	29	5333	87	
81	5308	243	40	5324	120	
84	5282	252	53	5290	159	
87	5339	261	99	5306	297	
88	5332	264				
90	5310	270				

R	adar waveform #2	27	R	adar waveform #2	28
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
5	5324	15	1	5322	3
14	5280	42	3	5323	9
20	5322	60	31	5291	93
31	5338	93	34	5325	102
36	5332	108	44	5283	132
37	5299	111	48	5300	144
48	5333	144	50	5320	150
50	5308	150	52	5332	156
66	5336	198	56	5316	168
70	5294	210	60	5336	180
86	5337	258	62	5302	186
97	5317	291	65	5292	195
98	5329	294	68	5311	204
			91	5305	273
			98	5331	294





R	Radar waveform #29			Radar waveform #30		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)	
18	5339	54	12	5330	36	
22	5324	66	13	5332	39	
43	5287	129	17	5288	51	
46	5333	138	41	5334	123	
60	5312	180	60	5309	180	
65	5305	195	63	5337	189	
76	5338	228	67	5293	201	
77	5286	231	69	5317	207	
80	5283	240	78	5301	234	
85	5282	255	80	5319	240	
91	5318	273	83	5308	249	
			84	5311	252	
			89	5305	267	
			90	5290	270	
			91	5318	273	



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	5291	1	758	70	1
2	5291	1	618	86	1
3	5291	1	938	57	1
4	5291	1	658	81	1
5	5291	1	878	61	1
6	5291	1	3066	18	1
7	5291	1	918	58	1
8	5291	1	838	63	1
9	5291	1	818	65	1
10	5291	1	778	68	1
11	5291	1	538	99	1
12	5291	1	718	74	1
13	5291	1	638	83	1
14	5291	1	738	72	1
15	5291	1	598	89	1
16	5291	1	592	90	1
17	5291	1	900	59	1
18	5291	1	3019	18	1
19	5291	1	599	89	1
20	5291	1	637	83	1
21	5291	1	1065	50	1
22	5291	1	1270	42	1
23	5291	1	957	56	1
24	5291	1	1699	32	1
25	5291	1	1652	32	1
26	5291	1	1122	48	1
27	5291	1	3059	18	1
28	5291	1	1045	51	1
29	5291	1	2402	22	1
30	5291	1	2203	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	5300	4.8	226	28	1
2	5300	3.5	201	28	1
3	5300	3.1	171	28	1
4	5300	2.4	191	29	1
5	5300	3.2	207	25	1
6	5300	3.3	200	23	1
7	5300	2.8	225	24	1
8	5300	1.8	196	28	1
9	5300	1.0	164	23	1
10	5300	3.0	181	23	1
11	5300	3.5	223	27	1
12	5300	4.2	181	24	1
13	5300	2.6	168	23	1
14	5300	3.9	170	27	1
15	5300	2.7	228	28	1
16	5300	1.4	218	25	1
17	5300	3.3	194	25	1
18	5300	2.2	176	27	1
19	5300	4.3	194	27	1
20	5300	4.3	200	25	1
21	5300	2.5	154	26	1
22	5300	3.7	169	26	1
23	5300	1.2	213	28	1
24	5300	3.0	207	25	1
25	5300	3.9	150	25	1
26	5300	1.7	156	26	1
27	5300	2.1	171	27	1
28	5300	2.9	175	28	1
29	5300	2.7	162	29	1
30	5300	2.1	217	29	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	5310	8.2	305	16	1
2	5310	8.1	442	17	1
3	5310	6.4	284	17	1
4	5310	9.3	269	16	1
5	5310	8.8	366	16	0
6	5310	8.6	488	18	1
7	5310	7.5	250	17	1
8	5310	9.0	353	17	1
9	5310	9.2	313	16	1
10	5310	9.8	447	16	1
11	5310	7.7	466	18	1
12	5310	7.1	378	16	1
13	5310	8.7	314	16	1
14	5310	7.5	355	18	1
15	5310	6.5	369	17	1
16	5310	7.7	280	18	1
17	5310	9.9	267	17	1
18	5310	9.7	399	18	1
19	5310	9.9	275	16	1
20	5310	8.1	275	18	1
21	5310	6.3	302	16	1
22	5310	6.8	327	18	1
23	5310	9.7	478	17	1
24	5310	9.2	362	16	1
25	5310	9.3	319	18	1
26	5310	8.5	312	16	1
27	5310	8.8	304	16	0
28	5310	8.0	330	16	1
29	5310	8.6	297	16	1
30	5310	7.5	469	18	1
Detection Percentage (%)					93.3%



Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5315	17.1	377	13	1
2	5315	15.0	463	15	1
3	5315	18.7	481	12	1
4	5315	19.5	323	16	1
5	5315	13.2	447	13	1
6	5315	13.3	301	16	1
7	5315	18.6	271	16	1
8	5315	14.8	495	13	1
9	5315	12.0	444	13	1
10	5315	15.6	352	12	1
11	5315	16.1	402	12	1
12	5315	14.0	352	12	1
13	5315	14.8	493	12	1
14	5315	12.9	380	16	1
15	5315	13.9	475	13	1
16	5315	13.0	321	15	1
17	5315	19.3	290	13	1
18	5315	19.5	348	16	1
19	5315	15.4	250	16	1
20	5315	16.1	340	16	1
21	5315	17.9	462	13	1
22	5315	18.9	301	14	1
23	5315	19.9	417	13	1
24	5315	13.0	250	16	1
25	5315	17.3	403	12	1
26	5315	19.4	426	15	1
27	5315	17.0	451	16	1
28	5315	11.7	277	13	1
29	5315	12.1	359	16	1
30	5315	12.4	426	13	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: $\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4} = (100\% + 100\% + 93.3\% + 100\%)/4 = 98.3\% (>80\%)$

FCC ID: 2ABLK-8X4G-1V2 Page Number: 73 of 122





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	5320	1	16	5320	1
2	5320	1	17	5320	1
3	5320	1	18	5320	1
4	5320	1	19	5320	1
5	5320	1	20	5320	1
6	5320	1	21	5320	1
7	5320	1	22	5320	1
8	5320	1	23	5320	1
9	5320	1	24	5320	1
10	5320	1	25	5320	1
11	5320	1	26	5320	1
12	5320	1	27	5320	1
13	5320	1	28	5320	1
14	5320	1	29	5320	1
15	5320	1	30	5320	1
	Det	ection Percentage	(%)		100%

Type 5 Radar Waveform_1											
Burst 1 2	m = 1 ts = 20 val (us) = 6000 Off Time (us) 63069 701595	# Pulses 3 2	Chirp (MHz) 20 16	P₩ (us) 60 95	Pul≡e 1 Pri(us) 1774 1605	Pulse 2 Pri(us) 1376 1807	Pu1≡e 3 Pri(us) 1533 0	Start Loc (us) 63089 769347	Start Burst Interval(us) 0 600000	End Burst Interval(us 59999	
3 4 5	1004731 173711 859774	1 2 2 2	19 20 14 8	70 70 85 55	1252 1493 1742 1945	0 1106 1915 1765	0 0 0	1275498 2281481 2457791 3321222	1200000 1800000 2400000 3000000	1799999 2399999 2999999 3599999	
7 8	764240 164515 1087746	3 2	8 6 10	100 80 55	1945 1542 1990 1898	1765 1802 1469 1026	1317 0 1453	4089172 4258348 5349553	3600000 3600000 4200000 4800000	4199999 4799999 5399999	
10 11 12	190736 674352 594320	3 2 2	12 5	85 100 75	1451 1563 1673	1341 1771 1753	1147 0	5544666 6222957 6820611	5400000 6000000 6600000	599999 659999 7199999	
13 14 15	526732 792849 817615	1 3 3	11 12 11	80 100 50	1928 1611 1981	0 1757 1746	0 1717 1265	7350769 8145546 8968246	7200000 7800000 8400000	7799999 8399999 8999999	
16 17 18	268515 585096 954832	1 1 3	10 15	60 80 50	1342 1244 1848	0 0 1204	0 0 1395	9241753 9828191 10784267	9000000 9600000 10200000	9599999 10199999 10799999	
19 20 otal numbe	290774 743930 r of pulses in	3 3 waveform = 4	10 5	95 55	1991 1712	1023 1241	1012 1280	11079488 11827444	10800000 11400000	11399999 11999999	



				Туре	5 Radar W	laveform_	_2			
aveform N um of Bur urst Inte	Vum = 2 rsts = 12 erva1 (us)= 1000	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(u
1	735493	2	10	85	1778	1982	0	735493	0	999999
- 2	954237	3	9	85	1981	1031	1994	1693490	1000000	1999999
3	348875	1	9	85	1882	0	0	2047371	2000000	2999999
	1013744									
4	1581435	2	13	50	1927	1393	0	3062997	3000000	3999999
5	838473	3	15	75	1416	1200	1186	4647752	4000000	4999999
ò	1127743	3	9	85	1509	1667	1856	5490027	5000000	5999999
•	620949	2	18	90	1206	1754	0	6622802	6000000	6999999
3	1475141	2	6	75	1617	1931	0	7246711	7000000	7999999
)		3	13	80	1144	1732	1062	8725400	8000000	8999999
.0	1241981	3	6	50	1040	1479	1328	9971319	9000000	9999999
11	860854	2	9	90	1677	1616	0	10836020	10000000	10999999
.2	513264	2	9	85	1387	1861	0	11352577	11000000	11999999
tal numb	er of pulses in	n waveform = 2	28		******		Ť	11302011	11000000	11333333
				Туре	5 Radar W	laveform_	_3			
veform N m of Bu	Num = 4 rsts = 14 erval (us)= 857:	143								
rst	Off Time (us) 731821	# Pulses	Chirp (MHz)	P\ (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us	
	464066	2	10	100	1915	1727	0	731821	0	857142
	1079656	3	15	60	1158	1509	1837	1199529	857143	1714285
	667967	1	12	80	1140	0	0	2283689	1714286	2571428
		1	5	50	1828	0	0	2952796	2571429	3428571
	1031785	3	6	90	1715	1265	1984	3986409	3428572	4285714
	1047211	2	14	80	1352	1962	0	5038584	4285715	5142857
	936199	2	7	85	1511	1353	0	5978097	5142858	6000000
	587451	3	13	70	1797	1549	1108	6568412	6000001	6857143
	640757	1	5	75	1133	0	0	7213623	6857144	7714286
0	1048601	3	16	100	1246	1638	1269	8263357	7714287	8571429
1	580971	2	11	60	1359	1304	0	8848481	8571430	9428572
2	785733	1	17	75	1583	0	0	9636877	9428573	10285715
3	1351335	1	8	55	1478	0	0	10989795	10285716	11142858
	522023 per of pulses in			55	1905	1891	1894	11513296	11142859	12000001
					5 Radar W		4			
veform N	Jun = 4			.,,,,	o itadai ii		 '			
m of Bur	sts = 11 erval (us)= 1090	909								
rst	Off Time (us) 559767	# 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)
	1097795	2	10	95	1607	1328	0	559767	0	1090908
	739856	1	11	50	1199	0	0	1660497	1090909	2181817
		3	12	80	1690	1400	1149	2401552	2181818	3272726
	1120275	1	13	95	1050	0	0	3526066	3272727	4363635
	1057253	3	18	75	1347	1928	1815	4584369	4363636	5454544
	1834374	1	17	75	1927	0	0	6423833	5454545	6545453
	1114591									
	980843	2	7	65	1110	1391	0	7540351	6545454	7636362
	313535	1	5	100	1503	0	0	8523695	7636363	8727271
		1	12	55	1705	0	0	8838733	8727272	9818180
0	2005622	2	19	55	1807	1175	0	10846060	9818181	10909089
	958632		_				4005	44000001	10000000	11000000
1		3	8	50	1339	1045	1305	11807674	10909090	11999998



				Type	5 Radar W	aveform_	5			
aveform N	Num = 5 rsts = 18 erval (us)= 6666									
urst Inte urst	Off Time	#	Chirp (MHz)	₽₩	Pulse 1	Pulse 2 Pri(us)	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 57708	Pulses		(us)	Pri(us)		Pri(us)	(us)	Interval (us)	Interval (us
2	1146562	3 2	17 6	80 95	1969 1452	1286 1050	1442 0	57708 1208967	0 666667	666666 1333333
3	700557	1	10	65	1432	0	0	1912026	1333334	2000000
4	423295	3	8	100	1580	1528	1614	2336753	2000001	2666667
5	419914	2	15	65	1321	1463	0	2761389	2666668	3333334
6	771982	2	9	80	1024	1528	0	3536155	3333335	4000001
7	518 4 21 877077	1	17	75	1562	0	0	4057128	4000002	4666668
8	793187	3	12	60	1456	1866	1207	4935767	4666669	5333335
9	845404	1	12	50	1093	0	0	5733483	5333336	6000002
10	653246	3	11	90	1004	1741	1776	6579980	6000003	6666669
11	689178	1	5	95	1865	0	0	7237747	6666670	7333336
12	684057	1	8	60	1773	0	0	7928790	7333337	8000003
13 14	407165	3 2	18 19	55 50	1385 1122	1664 1184	1746 0	8614620 9026580	8000004 8666671	8666670 9333337
15	757739	3	10	65	1032	1709	1583	9786625	9333338	10000004
16	423448	3	15	70	1365	1283	1460	10214397	10000005	10666671
17	887768	3	19	60	1035	1884	1388	11106273	10666672	11333338
18	795171	2	15	75	1596	1599	0	11905751	11333339	12000005
tal numb	per of pulses in	1 waveform = 3	39			***				
				Туре	5 Radar W	aveform_	<u>.</u> 6			
veform Nu m of Burs	sts = 13									
ırst Inter ırst	rval (us)= 9230 Off Time	77	Chirp	PW	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us)	Pulses	(MHz)	(us)	Pri(us)	Pri (us)	Pri(us)	(us)	Interval(us)	Interval (us
	172968	2	10	65	1700	1566	0	172968	0	923076
	1107866	1	17	80	1804	0	0	1284100	923077	1846153
	1325703									
	1035822	3	15	70	1274	1853	1853	2611607	1846154	2769230
	772855	2	19	80	1741	1230	0	3652409	2769231	3692307
;		1	17	85	1882	0	0	4428235	3692308	4615384
	724711	2	16	60	1411	1131	0	5154828	4615385	5538461
	562801	1	5	50	1795	0	0	5720171	5538462	6461538
	1121718						•			
	816407	2	16	95	1644	1361	0	6843684	6461539	7384615
1	1378988	1	9	95	1443	0	0	7663096	7384616	8307692
0		3	9	90	1478	1389	1305	9043527	8307693	9230769
.1	731123	1	20	70	1643	0	0	9778822	9230770	10153846
2	1036052	1	7	60	1164	0	0	10816517	10153847	11076923
	561023	_								
3 tal numbe	er of pulses in	3 waveform = 2	20 3	60	1710 ******	1674	1696	11378704	11076924	12000000
							7			
				туре	5 Radar W	aveloriii_	.1			
veform No m of Bur: rst Inte:	Num = 7 ests = 12 erval (us)= 1000	1000								
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(
	518183	3	8	100	1735	1242	1561	518183	0	999999
	1073791									
	1098150	2	13	75	1582	1018	0	1596512	1000000	1999999
		2	19	65	1960	1746	0	2697262	2000000	2999999
:	452385	2	14	85	1464	1727	0	3153353	3000000	3999999
	883102	2	12	80	1250	1045	0	4039646	4000000	4999999
	1808266									
	835932	2	8	90	1619	1170	0	5850207	5000000	5999999
	000000	3	13	95	1762	1202	1248	6688928	6000000	6999999
				55	1195	1591	0	7075411	7000000	7999999
	382271	2	14				-			
3	382271 1186731	2	14		1000	0	0	000 1000	8000000	0000000
		1	13	95	1883	0	0	8264928	8000000	8999999
) ,	1186731 1141464				1883 19 4 5	0	0	8264928 9408275	9000000	8999999 9999999
	1186731	1	13	95						



				Type	5 Radar W	aveform_	_8			
Vaveform N	fum = 8 sts = 17 rva1 (us)= 7058	99								
Burst	Off Time	# Pulses	Chirp (MHz)	PW (us)	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
1	(us) 537406	ruises 3	(MHZ)	(us) 85	Pri (us) 1528	Pri (us) 1668	Pri (us) 1434	(us) 537406	Interval (us)	Interval (us 705881
2	349810	1	16	65	1340	0	0	891846	705882	1411763
3	703436	1	15	50	1426	0	0	1596622	1411764	2117645
4	569252	2	14	65	1267	1984	0	2167300	2117646	2823527
5	794445	2	15	90	1118	1081	0	2964996	2823528	3529409
6	961766 958806	3	13	65	1393	1910	1135	3928961	3529410	4235291
7	307893	2	10	90	1042	1021	0	4892205	4235292	4941173
8	712979	3	15	70	1652	1522	1323	5202161	4941174	5647055
9	444302	3	20	80	1973	1753	1108	5919637	5647056	6352937
10	1350058	1	17	60	1814	0	0	6368773	6352938	7058819
11 12	531647	1 3	8 20	85 90	1626 1793	0 1381	0 1396	77206 4 5 8253918	7058820 7764702	7764701 8470583
13	810363	3	7	90	1732	1677	1228	9068851	8470584	9176465
14	289637	3	9	100	1312	1858	1232	9363125	9176466	9882347
15	1067228	1	10	65	1964	0	0	10434755	9882348	10588229
16	198305	2	11	60	1491	1910	0	10635024	10588230	11294111
17	1293096	2	16	55	1107	1657	0	11931521	11294112	11999993
tal numb	er of pulses in	waveform = 3 ********		विकासकार को कार्यक्र को कार्यक्र को कार्यक्र को कार्यक्र को कार्यक्र को	icada a de adecado adecado a decado a de adecado a decado a de adec	ko ako				
				Туре	5 Radar W	aveform_	_9			
weform N um of Bur	lum = 9 sts = 13 srva1 (us)= 9230	177								
urst	Off Time	#	Chirp (MHz)	PW (wg)	Pulse 1 Pri(us)	Pulse 2	Pulse 3 Pri(us)	Start Loc	Start Burst Interval(us)	End Burst Interval(u
_	(us) 894082	Pulses		(us)		Pri(us)		(us)		
L	431600	3	19	55	1723	1998	1394	894082	0	923076
2	1139092	2	13	75	1702	1238	0	1330797	923077	1846153
3	988254	2	11	50	1886	1235	0	2472829	1846154	2769230
1		2	9	65	1079	1913	0	3464204	2769231	3692307
;	984394	2	12	50	1808	1119	0	4451590	3692308	4615384
ò	1011115	2	7	70	1349	1271	0	5465632	4615385	5538461
,	439230	3	14	60	1970	1117	1132	5907482	5538462	6461538
3	1039929	2	8	55	1653	1371	0	6951630	6461539	7384615
	916462	2	17		1988	1265	0			8307692
)	1171356			65			•	7871116	7384616	
10	289344	2	5	90	1294	1821	0	9045725	8307693	9230769
11	1247381	2	14	65	1161	1865	0	9338184	9230770	10153846
.2		1	14	100	1945	0	0	10588591	10153847	11076923
3 tal numb	1027128 er of pulses ir	3 waveform = 1	13 28	100	1789	1978	1854	11617664	11076924	12000000
*****	***************************************		*************	***************************************		**				
				Туре	5 Radar W	aveform_	10			
veform N m of Bur rst Inte	fum = 10 sts = 12 rva1 (us)= 1000	000								
ırst	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
	147965	1	13	75	1221	0	0	147965	0	999999
	1070015									
	905876	2	6	80	1842	1077	0	1219201	1000000	1999999
2		1	10	65	1973	0	0	2127996	2000000	2999999
2	1705203			55	1258	0	0	3835172	3000000	3999999
!		1	9					1010100		
	209699	1 3	9 15	70	1079	1485	1631	4046129	4000000	4999999
! ! :			15	70						
	209699	3 2	15 18	70 80	1238	1809	0	5070106	5000000	5999999
} } ± 5	209699 1019782	3 2 1	15 18 16	70 80 50	1238 1402	1809 0	0	5070106 6837563	5000000 6000000	5999999 6999999
2 3 4 5	209699 1019782 1764410	3 2 1 1	15 18 16 18	70 80 50 95	1238 1402 1532	1809 0 0	0 0 0	5070106 6837563 7503255	5000000 6000000 7000000	5999999 6999999 7999999
2 3 4 5 5 7	209699 1019782 1764410 664290 1024604	3 2 1	15 18 16	70 80 50	1238 1402	1809 0	0	5070106 6837563	5000000 6000000	5999999 6999999
2 3 4 5 5 6 7 3 9	209699 1019782 1764410 664290 1024604 1348933	3 2 1 1	15 18 16 18	70 80 50 95	1238 1402 1532	1809 0 0	0 0 0	5070106 6837563 7503255	5000000 6000000 7000000	5999999 6999999 7999999
2 3 4 5 5 7 3	209699 1019782 1764410 664290 1024604	3 2 1 1 2	15 18 16 18	70 80 50 95 60	1238 1402 1532 1520	1809 0 0 1810	0 0 0	5070106 6837563 7503255 8529391	5000000 6000000 7000000 8000000	5999999 6999999 7999999 8999999



				Type	5 Radar Wa	aveform_	11			
aveform N um of Bur	Num = 11 rsts = 13 erva1 (us)= 9230	177								
urst inte urst	Off Time	#	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
_	(us) 455768	Pulses	(MHZ)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (u:
1	951394	3	17	50	1778	1357	1424	455768	0	923076
2	1156367	2	13	60	1873	1540	0	1411721	923077	1846153
3	573733	1	18	65	1093	0	0	2571501	1846154	2769230
4	1208323	2	7	50	1792	1276	0	3146327	2769231	3692307
5	1054905	2	13	70	1140	1014	0	4357718	3692308	4615384
ò	782625	1	11	85	1561	0	0	5414777	4615385	5538461
7		3	7	60	1125	1275	1604	6198963	5538462	6461538
1	691685	3	11	60	1730	1124	1382	6894652	6461539	7384615
9	508997	1	12	90	1425	0	0	7407885	7384616	8307692
.0	1072997	1	9	55	1312	0	0	8482307	8307693	9230769
.1	1531905	2	20	100	1726	1083	0	10015524	9230770	10153846
	347795	2					-		10153847	
.2	1089265		14	55	1570	1649	0	10366128		11076923
3 tal numb ******	per of pulses in	3 1 waveform = 2 *******	12 26 *******	55 ******	1264 *******	1698 **	1061	11458612	11076924	12000000
				Type	5 Radar Wa	aveform '	12			
veform 1	Num = 12			- 7						
m of Bur	rsts = 13 erval (us)= 9230	77								
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
	912244	2	17	60	1249	1910	0	912244	0	923076
	909468									
	809030	3	19	90	1093	1780	1042	1824871	923077	1846153
	865825	3	20	80	1260	1798	1504	2637816	1846154	2769230
	474855	1	15	80	1970	0	0	3508203	2769231	3692307
	1114060	2	12	55	1417	1718	0	3985028	3692308	4615384
	835596	2	20	90	1715	1132	0	5102223	4615385	5538461
		1	7	75	1633	0	0	5940666	5538462	6461538
	1175323	3	16	75	1724	1816	1409	7117622	6461539	7384615
	610547	2	10	85	1462	1724	0	7733118	7384616	8307692
0	915633	2	11	85	1415	1190	0	8651937	8307693	9230769
1	672066	1	14	50	1877	0	0	9326608	9230770	10153846
	1372611									
2	1264230	1	11	60	1731	0	0	10701096	10153847	11076923
3 tal numb *****	per of pulses ir	1 waveform = 2 *******	14 !4 *******	90 ******	1093	0 **	0	11967057	11076924	12000000
				Type	5 Radar Wa	aveform '	13			
Y	Jum = 13			Туре	J Kadai VV	averonii_	13			
	rsts = 10 erval (us)= 1200	000								
m of Bur			Chirp	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
m of Bur rst Inte	Off Time (us) 1109971	# Pulses	(MHz)	(us)						4400000
m of Bur rst Inte rst	(us) 1109971		(MHz) 19	100	1885	1662	1696	1109971	0	1199999
m of Bur rst Inte	(us) 1109971 678023	Pulses	(MHz)			1662 1381	1696 1534	1109971 1793237	0 1200000	2399999
m of Bur rst Inte	(us) 1109971	Pulses 3 3	(MHz) 19 18	100 80	1885 1235	1381	1534	1793237	1200000	2399999
m of Bur rst Inte	(us) 1109971 678023	Pulses 3 3 3	(MHz) 19	100 80 85	1885 1235 1678	1381 1705		1793237 2407483	1200000 2400000	2399999 3599999
m of Bur rst Inte	(us) 1109971 678023 610096 1625876	Pulses 3 3	(MHz) 19 18	100 80	1885 1235	1381	1534	1793237	1200000	2399999
m of Bur rst Inte	(us) 1109971 678023 610096	Pulses 3 3 3	(MHz) 19 18 6	100 80 85	1885 1235 1678	1381 1705	1534 1183	1793237 2407483	1200000 2400000	2399999 3599999
m of Bur	(us) 1109971 678023 610096 1625876	Pulses 3 3 3 2	(MHz) 19 18 6 10	100 80 85 60 100	1885 1235 1678 1225 1644	1381 1705 1301 1375	1534 1183 1488 0	1793237 2407483 4037925 5200690	1200000 2400000 3600000 4800000	2399999 3599999 4799999 5999999
m of Bur rst Inte	(us) 1109971 678023 610096 1625876 1158751	Pulses 3 3 3 2 2	(MHz) 19 18 6 10 16	100 80 85 60 100	1885 1235 1678 1225 1644 1576	1381 1705 1301 1375 1160	1534 1183 1488 0	1793237 2407483 4037925 5200690 6733414	1200000 2400000 3600000 4800000	2399999 3599999 4799999 5999999 7199999
m of Bur rst Inte	(us) 1109971 678023 610096 1625876 1158751 1529705 1278468	Pulses 3 3 3 2	(MHz) 19 18 6 10	100 80 85 60 100	1885 1235 1678 1225 1644	1381 1705 1301 1375	1534 1183 1488 0	1793237 2407483 4037925 5200690	1200000 2400000 3600000 4800000	2399999 3599999 4799999 5999999
m of Burrst Inte	(us) 1109971 678023 610096 1625876 1158751 1529705 1278468 779495	Pulses 3 3 3 2 2	(MHz) 19 18 6 10 16	100 80 85 60 100	1885 1235 1678 1225 1644 1576	1381 1705 1301 1375 1160	1534 1183 1488 0	1793237 2407483 4037925 5200690 6733414	1200000 2400000 3600000 4800000	2399999 3599999 4799999 5999999 7199999
m of Bur rst Inte rst	(us) 1109971 678023 610096 1625876 1158751 1529705 1278468	Pulses 3 3 3 2 2 2	(MHz) 19 18 6 10 16 19	100 80 85 60 100 55 80	1885 1235 1678 1225 1644 1576 1137	1381 1705 1301 1375 1160 1869	1534 1183 1488 0 0 0	1793237 2407483 4037925 5200690 6733414 8014618 8797119	1200000 2400000 3600000 4800000 6000000 7200000 8400000	2399999 3599999 4799999 5999999 7199999 8399999
m of Bur rst Inte	(us) 1109971 678023 610096 1625876 1158751 1529705 1278468 779495	Pulses 3 3 3 2 2	(MHz) 19 18 6 10 16 19	100 80 85 60 100 55	1885 1235 1678 1225 1644 1576	1381 1705 1301 1375 1160 1869	1534 1183 1488 0 0	1793237 2407483 4037925 5200690 6733414 8014618	1200000 2400000 3600000 4800000 6000000 7200000	2399999 3599999 4799999 5999999 7199999 8399999



				Type	5 Radar Wa	aveform_	14			
aveform Nu										
m of Burs rst Inter	sts = 9 rva1 (us)= 1333	3333								
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)
	200935	2	14	65	1346	1634	0	200935	0	1333332
	2087423	1	12	90	1609	0	0	2291338	1333333	2666665
	635609	1	17	80	1547	0	0	2928556	2666666	3999998
	1973622	1	10	90	1508	0	0	4903725	3999999	5333331
	652239	2	6	55	1789	1123	0	5557472	5333332	6666664
	2218050	3	15	50	1709	1371	1774	7778434	6666665	7999997
	743226	2	17	55	1070	1277	0	8526514	7999998	9333330
	1897682	1	15	90	1026	0	0	10426543	9333331	10666663
	1403605	2	12							
	er of pulses in	waveform = 1	.5	95	1044	1538	0	11831174	10666664	11999996
						esk:				
				Type :	5 Radar Wa	aveform_	15			
eform Nu										
n of Burs st Inter	sts = 9 rva1 (us)= 1333	3333								
rst	Off Time (us) 193788	# 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(u
		1	17	100	1200	0	0	193788	0	1333332
	2215619	2	18	50	1109	1410	0	2410607	1333333	2666665
	1493814	2	8	80	1843	1185	0	3906940	2666666	3999998
	543029	3	13	65	1417	1181	1161	4452997	3999999	5333331
	1061446	2	16	60	1118	1269	0	5518202	5333332	6666664
	1625379	1	16	55	1875	0	0	7145968	6666665	7999997
	2001191	2	15	65	1924	1326	0	9149034	7999998	9333330
	1392756									
	1347062	2	17	75	1254	1384	0	10545040	9333331	10666663
	er of pulses in			80	1572	1969	0	11894740	10666664	11999996
				****	*********	**				
				Type	5 Radar Wa	aveform_	16			
eform Nu	um = 16 sts = 17 rval (us)= 7058									
st Inter st	0ff Time (us)	# Pulses	Chirp (MHz)	PW	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst	End Burst
	144343	1	14	(us) 65	1006	0	0	144343	Interval (us)	Interval (t 705881
	991402 498568	3	6	55	1029	1249	1869	1136751	705882	1411763
	540842	1	15 17	85 60	121 4 1823	0	0	1639466 2181522	1411764 2117646	2117645 2823527
	1224740 662704	2	11	55	1753	1576	0	3408085	2823528	3529409
	718119	2	16 17	60 90	1301	12 4 2 0	0	4074118 4794780	3529410 4235292	4235291 4941173
	467756	1	17 6	90 100	1205 1002	0	0	4794780 5263741	4235292 4941174	4941173 5647055
	552252 1140564	3	15	55	1649	1694	1941	5816995	5647056	6352937
•	231408	2	7	65	1068	1837	0	6962843	6352938	7058819
	843123	3	14 5	55 55	1606 1080	1979 11 4 1	1552 1618	7197156 8045416	7058820 776 4 702	7764701 8470583
	901526	3	17	55	1087	1697	1789	8950781	8470584	9176465
2		3	7	55	1810	1950	1586	9314346	9176466	9882347
2	358992 786187	3								
2 3 4	358992 786187 654153	3	7	50	1373	1476	1410	10105879	9882348	10588229
2 3 4	786187						1410 0 0	10105879 10764291 11596548	9882348 10588230 11294112	10588229 11294111 11999993



				Туре	5 Radar W	aveform_	17			
weform Nu um of Burs urst Inter	um = 17 sts = 13 va1 (us)= 9230	77								
urst	Off Time (us)	# Pulses	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us)
1	164108	1	10	90	1941	0	0	164108	0	923076
2	1114720	1	17	65	1403	0	0	1280769	923077	1846153
3	1046351	3	16	70	1482	1813	1163	2328523	1846154	2769230
4	881490	3	11	60	1989	1643	1935	3214471	2769231	3692307
5	607683	3	15	100	1238	1319	1195	3827721	3692308	4615384
ò	1491318	3	6	75	1973	1442	1668	5322791	4615385	5538461
7	636395	1	14	60	1472	0	0	5964269	5538462	6461538
	984720	1	17	85	1347	0	0	6950461	6461539	7384615
	633903	2	15	95	1497	1344	0	7585711	7384616	8307692
0	1093238	1	8	70	1477	0	0	8681790	8307693	9230769
1	1409683	2	13	80	1197	1184	0	10092950	9230770	10153846
.2	842043	1	15	80	1397	0	0	10937374	10153847	11076923
3	169670	1	7	65	1608	0	0	11108441	11076924	12000000
tal numbe	r of pulses in									
				Туре	5 Radar W	aveform_	18			
veform No m of Burs rst Inter	sts = 16	000								
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(u
	(us) 239 4 62	Pulses 1	(MHz) 19	(us) 90	Pri (us) 1566	Pri(us)	Pri(us)	(us) 239462	Interval(us)	749999
	856668	2	15	75	1637	1749	0	1097696	750000	1499999
	528793	2	5	85	1644	1267	0	1629875	1500000	2249999
	943350	3	17	70	1301	1006	1689	2576136	2250000	2999999
	946843 382792	1	10	75	1056	0	0	3526975	3000000	3749999
	890531	1	20	95	1729	0	0	3910823	3750000	4499999
	889834	2	10	75	1121	1022	0	4803083	4500000	5249999
	499513	2	12	90	1664	1239	0	5695060	5250000	5999999
0	982002	1	13 5	85 80	1859 1226	0	0	6197476 7181337	6000000 6750000	6749999 7499999
1	735390	2	6	90	1939	1333	0	7917953	7500000	7499999 8249999
2	640266	2	13	100	1728	1569	0	8561491	8250000	8999999
3	659859	1	14	55	1406	0	0	9224647	9000000	9749999
4	779153	1	8	95	1925	0	0	10005206	9750000	10499999
5	911391 628262	2	14	90	1059	1548	0	10918522	10500000	11249999
5 tal numbe	ozazoz er of pulses ir *******	2 n waveform = :	9 26 *******	95 *****	160 4	1487	0	11549391	11250000	11999999
				Туре	5 Radar W	aveform_	19			
veform N m of Bur:										
rst Inte: rst	rval (us)= 1090 Off Time	909	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 971397	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (u
		1	7	75	1562	0	0	971397	0	1090908
	1185757	1	9	55	1080	0	0	2158716	1090909	2181817
	603362	3	7	65	1264	1984	1416	2763158	2181818	3272726
	1541833	2	5	80	1383	1810	0	4309655	3272727	4363635
	202814									
	1123928	1	15	50	1919	0	0	4515662	4363636	5454544
	975275	2	15	55	1135	1989	0	5641509	5454545	6545453
		1	19	95	1086	0	0	6619908	6545454	7636362
	1506432	1	16	65	1832	0	0	8127426	7636363	8727271
	1136710	2	11	75	1119	1458	0	9265968	8727272	9818180
	1015944									
	1015944	9	E.	QE.	1945	1950	1995	10084460	9818181	1/10/10/10/10
0	993118	3 1	5 20	95 60	12 4 5 1794	1850 0	1885 0	10284489 11282587	9818181 10909090	10909089 11999998



(up) 132 133 134 135 136	1 14 15 27 75 75 75 75 75 75 75 75 75 75 75 75 75	# Pulses 1 2 3 1 3 1 1 3 1 1 2 2 2 3 3 aveform = 30 ************************************	Chirp (MHz) 13 6 17 6		Pulse 1 Pri (us) 1405 1068 1951 1883 1455 1640 1564 1380 1624 1436 1018 1700 1935 1645 1228 1865 Fulse 1 Pri (us) 1224 1734 1923		Pulse 3 Pri(us) 0 0 1386 0 1605 0 0 1379 0 0 0 0 0 0 1848 1458	Start Loc (us) 132607 815528 2201808 2566120 3286115 4137544 4908325 5285443 6655790 7231505 7516168 8261012 9642615 10304032 10977695 11309740 Start Loc (us) 363808 1174137 2271391	Start Burst Interval(us) 0 750000 1500000 2250000 3000000 3750000 4500000 6750000 7500000 9000000 10500000 11250000 Start Burst Interval(us) 0 857143 1714286	End Burst Interval (us 74999 149999 2249999 299999 3749999 5249999 5249999 6749999 1049999 11249999 11249999 11249999 11749999 11749999 11749999 11749999 11749999 11749999
arest (ff (us) 1	Time 32607 33607 331516 3384193 59016 18112 47079 59141 75554 3365949 74091 33227 42679 379903 57797 70650 27098 bullses in w. 114 149:) = 857143 f Time 63308 06560 094265 118644 01134 97440	1 2 3 1 3 1 1 1 3 1 1 1 2 1 1 2 2 2 3 3 2 2 3 2 2 3 2 2 3 1 2 2	18 11 18 10 16 11 12 11 19 17 12 15 15 18 15 17 Chirp (MHz) 13 6 17 6	(us) 85 95 75 100 100 70 55 85 100 55 70 50 95 Type:	Pri (us) 1405 1068 1951 1883 1455 1640 1564 1380 1624 1436 1018 1700 1935 1645 1228 1865 Full se 1 Pri (us) 1224 1734	Pri(us) 0 1019 1959 0 1290 0 0 1639 0 0 1147 0 1685 1368 1871 1534 ** Pulse 2 Pri(us) 1476 1255	Pri(us) 0 0 1386 0 1605 0 0 1379 0 0 0 1348 1458 Pulse 3 Pri(us) 1069 0	(us) 132607 815528 2201808 2566120 3286115 4137544 4008325 5285443 6655790 7231505 7516168 8261012 9642615 10304032 10977695 11309740 Start Loc (us) 363808 1174137	Therval (us) 0 0 750000 1500000 2250000 3000000 3750000 4500000 6750000 7500000 9750000 10500000 1125000	Interval (us 74999 149999 2249999 2249999 3749999 449999 5249999 6749999 1249999 1049999 11249999 11249999 11999999 11999999
1 132 1 681 2 681 3 138 4 718 5 847 6 778 8 375 8 9 138 9 138 9 138 11 742 12 137 13 657 14 667 15 677 16 15 327 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	114 (us) = 857143 f Time (s) 0094265 118644 001134 997440	1 2 3 1 3 1 1 1 3 1 1 1 2 1 1 2 2 2 3 3 2 2 3 2 2 3 2 2 3 1 2 2	18 11 18 10 16 11 12 11 19 17 12 15 15 18 15 17 Chirp (MHz) 13 6 17 6	85 95 75 100 100 70 55 85 100 55 50 75 55 60 95 Type	1405 1068 1951 1883 1455 1640 1564 1380 1624 1436 1018 1700 1935 1645 1228 1865 Fadar Wa Pulse 1 Pri (us) 1224 1734	0 1019 1959 0 1290 0 0 1639 0 1147 0 1685 1368 1871 1534 ***	0 0 1386 0 1605 0 0 1379 0 0 0 0 0 0 1848 1458	132607 815528 2201808 2566120 3286115 4137544 4908325 5285443 6655790 7231505 7516168 8261012 9642615 10304032 10977695 11309740 Start Loc (us) 363808 1174137	0 750000 1500000 2250000 30000000 3750000 4500000 6750000 8250000 9000000 9750000 10500000 112500000 Start Burst Interval(us) 0 857143	749999 1499999 2249999 2349999 4499999 5249999 5499999 7499999 10499999 11249999 11249999 111999999 11999999 11999999
2 681 3 138 4 718 5 78 6 847 7 765 8 9 136 9 136 10 574 11 742 13 13 657 14 657 15 327 16 10 327 16 10 321 17 806 18 9 10 19 10 10 32 11 66 17 90 10 32 11 66 12 166 13 59 14 666 14 18	114 us) = 857143 f Time s) 63808 00546 01134 97440	2 3 1 3 1 1 1 3 1 1 2 1 2 2 3 3 aveform = 30 ************************************	11 18 10 16 11 12 11 19 17 12 15 18 15 17 Chirp (MHz) 13 6 17 6	95 75 100 100 70 55 85 100 55 70 50 75 65 60 95 Type Pw (us) 65 55 55	1068 1951 1883 1455 1640 1564 1380 1624 1436 1018 1700 1935 1645 1228 1865 Fri (us) 1224 1734	1019 1959 0 1290 0 0 1639 0 1147 0 1685 1368 1871 1534 ***	0 1386 0 1605 0 0 1379 0 0 0 0 0 1848 1458	815528 2201808 2566120 3286115 4137544 4908325 5285443 6655790 7231505 7516168 8261012 9642615 10304032 10977695 11309740 Start Loc (us) 363808 1174137	750000 1500000 2250000 3000000 3750000 4500000 6750000 6750000 9000000 9750000 10500000 11250000 Start Burst Interval (us) 0 857143	1499999 2249999 2999999 3749999 4499999 5249999 6749999 8249999 10499999 11249999 11249999 11999999 11999999 11999999 11999999
1 138 4 359 4 359 4 359 5 718 5 847 6 847 7 769 8 9 136 9 174 11 742 13 657 14 657 15 62 100 10 283 11 291 12 137 14 657 15 80 10 327 10 31 10 10 321 11 666 11 327 10 321 11 666 12 100 10 321 11 666 12 100 13 594 14 100 15 594 16 17 991 17 991 18 901 18 901 19 100 19	11	1 3 1 1 3 1 1 1 2 1 2 2 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4	18 10 16 11 12 11 19 17 12 15 15 18 15 17 Chirp (MHz) 13 6 17 6	75 100 100 70 55 85 100 55 70 60 95 Type 4	1951 1883 1455 1640 1564 1380 1624 1436 1018 1700 1935 1645 1228 1865 Fullse 1 Pri (us) 1224 1734	1959 0 1290 0 0 0 1639 0 0 1147 0 1685 1368 1871 1534 **	1386 0 1605 0 0 1379 0 0 0 0 0 1848 1458	2201808 2566120 3286115 4137544 4908325 5285443 6655790 7231505 7516168 8261012 9642615 10304032 10977695 11309740 Start Loc (us) 363808 1174137	1500000 2250000 3000000 3750000 4500000 6750000 7500000 97500000 10500000 11250000 Start Burst Interval (us) 0 857143	2240909 2999999 3740999 449999 5240909 6749999 7490909 8240909 1049999 11249999 11999999 11999999
aveform Num = 21 tum of Bursts = 1 tum of Bursts	18112 17079 19141 175554 1365949 14091 13227 12679 1379903 1379903 1379903 1379903 1379903 14089 14089 157797 16808 17988 18	1 3 1 1 1 2 1 1 2 2 2 3 3 3 3 3 3 3 4 2 2 3 3 2 2	10 16 11 12 11 19 17 12 15 18 15 17 Chirp (MHz) 13 6 17 6	100 100 70 55 85 100 56 70 50 95 Type:	1883 1455 1640 1564 1380 1624 1436 1018 1700 1935 1645 1228 1865 ************************************	0 1290 0 0 1639 0 0 1147 0 1688 1871 1534 ** Pulse 2 Pri(us) 1476 1255	0 1605 0 0 1379 0 0 0 0 0 0 0 1848 1458	2566120 3286115 4137544 4908325 5285443 6655790 7231505 7516168 8261012 9642615 10304032 10977695 11309740 Start Loc (us) 363808 1174137	2250000 3000000 3750000 4500000 6000000 67500000 7500000 97500000 10500000 112500000 Start Burst Interval (us) 0 857143	2999999 3749999 449999 5249999 5999999 6749999 8999999 9749999 11249999 11999999 End Burst Interval (us 857142 1714285
718 6 847 7 76 7 76 8 375 8 136 9 136 9 574 10 283 11 742 12 13 35 14 657 16 327 16 327 17 18 327 18 327 18 327 19 327 19 327 10 327 10 327 10 327 10 327 10 327 10 327 10 327 10 327 10 327 10 327 11 666 12 166 13 59-10	17079 39141 75554 365949 74091 33227 42679 379903 57797 70650 27098 bulses in well in the service of the servic	# Pulses 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2	16 11 12 11 19 17 12 15 18 15 17 Chirp (MHz) 13 6 17 6	100 70 55 85 100 56 70 50 75 55 60 95 Type	1455 1640 1564 1380 1624 1436 1018 1700 1935 1645 1228 1865 5 Radar Wa	1290 0 0 1639 0 0 1147 0 1685 1368 1871 1534 ***	1605 0 0 1379 0 0 0 0 0 0 1848 1458	3286115 4137544 4908325 5285443 6665790 7231505 7516168 8261012 9642615 10304032 10977695 11309740 Start Loc (us) 363808 1174137	3000000 3750000 4500000 5250000 6000000 6750000 9250000 9000000 10500000 11250000 Start Burst Interval (us) 0 857143	3749999 449999 5249999 5249999 6749999 8249999 9749999 10499999 11249999 11999999 End Burst Interval (us 857142 1714285
847 7 769 8 375 8 136 9 574 10 283 11 742 12 137 13 657 14 657 15 677 16 15 377 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	1 14 14 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	1 1 3 1 1 2 1 2 2 3 3 aveform = 30 ************************************	11 12 11 19 17 12 15 15 18 15 17 Chirp (MHz) 13 6 17 6	70 55 85 100 55 70 50 75 55 60 95 Type	1640 1564 1380 1624 1436 1018 1700 1935 1645 1228 1865 5 Radar Wa	0 0 1639 0 0 1147 0 1685 1368 1871 1534 *** Aveform_2	0 0 1379 0 0 0 0 0 0 1848 1458	4137544 4908325 5285443 6655790 7231505 7516168 8261012 9642615 10304032 10977695 11309740 Start Loc (us) 363808 1174137	3750000 4500000 5250000 6000000 6750000 8250000 9000000 9750000 10500000 112500000 Start Burst Interval(us) 0 857143	End Burst Interval (us 857142 1714285
7 766 8 375 8 9 136 9 136 9 137 10 283 11 742 12 137 13 657 14 657 16 327 16 327 16 327 16 327 16 327 16 327 16 327 16 327 17 367 18 80 2 3 10 3 10 3 10 3 10 3 10 3 10 3 10 3 10	1 14 14 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	1 3 1 1 2 2 1 2 2 3 3 2 2 3 2 2 3 2 2 3 2 2	12 11 19 17 12 15 15 18 15 17 Chirp (MHz) 13 6 17 6	55 85 100 55 70 50 75 55 60 95 Type	1564 1380 1624 1436 1018 1700 1935 1645 1228 1865 5 Radar Wa	0 1639 0 0 1147 0 1685 1368 1871 1534 **	0 1379 0 0 0 0 0 0 1848 1458 21	4908325 5285443 6655790 7231505 7516168 8261012 9642615 10304032 10977695 11309740 Start Loc (us) 363808 1174137	4500000 5250000 6000000 6750000 8250000 9000000 9750000 10500000 112500000 Start Burst Interval(us) 0 857143	5249999 5999999 6749999 8249999 8299999 9749999 10499999 11249999 11999999 End Burst Interval(us 857142 1714285
aveform Num = 21 tum of Bursts = 14 tum of Bursts = 14 tum of Bursts = 14 10 36 11 36 11 40 11 36 11 36 11 36 11 36 11 36 11 36 11 36 11 36 11 36 11 36 11 36 11 36 11 36 36 36 36 36 36 36 36 36 36 36 36 36	1 14 14 12 12 16 16 16 16 16 16 16 16 16 16 16 16 16	# Pulses 3 2 3 4 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	11 19 17 12 15 18 15 18 15 17 Chirp (MHz) 13 6 17 6	85 100 55 70 50 75 60 95 ***********************************	1380 1624 1436 1018 1700 1935 1645 1228 1865 5 Radar W a Pulse 1 Pri (us) 1224 1734	1639 0 0 1147 0 1685 1368 1871 1534 *** Pulse 2 Pri (us) 1476 1255	1379 0 0 0 0 0 0 0 1848 1458 21	5285443 6655790 7231505 7516168 8261012 9642615 10304032 10977695 11309740 Start Loc (us) 363808 1174137	5250000 6000000 6750000 7500000 9250000 9750000 10500000 11250000 Start Burst Interval(us) 0	5999999 6749999 7499999 8249999 8999999 1049999 11249999 11999999 End Burst Interval (us 857142 1714285
138 9 10 574 10 283 11 742 12 13 137 14 657 15 67 16 327 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	74091 33227 42679 379903 57797 70650 27098 bulses in w. 11 14 us) = 857143 f Time 63008 06560 094265 118644 01134 97440	1 1 2 1 2 2 3 3 aveform = 30	19 17 12 15 15 18 15 17 Chirp (MHz) 13 6 17 6	100 55 70 50 75 55 60 95 Type :	1624 1436 1018 1700 1935 1645 1228 1865 Fulse 1 Pri (us) 1224 1734	0 0 1147 0 1685 1368 1871 1534 *** *** *** Pulse 2 Pri(us) 1476 1255	0 0 0 0 0 0 1848 1458 21	6655790 7231505 7516168 8261012 9642615 10304032 10977695 11309740 Start Loc (us) 363808 1174137	6000000 6750000 7500000 8250000 9000000 9750000 10500000 11250000 Start Burst Interval(us) 0	6749999 749999 8249999 899999 9749999 11249999 11999999 End Burst Interval (us 857142 1714285
10 283 11 742 12 13 657 14 657 15 367 16 37 16 37 16 37 17 18 37 1	1 14 14 14 15 18 19 19 10 10 10 10 10 10 10 10 10 10 10 10 10	1 2 1 2 2 3 3 aveform = 30 ************************************	17 12 15 15 18 15 17 Chirp (MHz) 13 6 17 6	55 70 50 75 55 60 95 Type (us) 65 55	1436 1018 1700 1935 1645 1228 1865 5 Radar Wa Pulse 1 Pri (us) 1224 1734	0 1147 0 1685 1368 1871 1534 *** Aveform_7 Pulse 2 Pri(us) 1476 1255	0 0 0 0 1848 1458 21	7231505 7516168 8261012 9642615 10304032 10977695 11309740 Start Loc (us) 363808 1174137	6750000 7500000 8250000 90000000 9750000 10500000 11250000 Start Burst Interval(us) 0 857143	749999 824999 899999 9749999 1049999 1124999 1199999 End Burst Interval (us 857142 1714285
288 111 742 122 743 133 657 144 670 155 670 161 161 172 173 174 175 175 175 175 175 175 175 175 175 175	114 142 157 164 175 175 185 195 195 195 195 195 195 195 19	2 1 2 2 3 3 3 3 3 3 4 4 7 Pulses 3 2 3 2	12 15 15 18 15 17 Chirp (MHz) 13 6 17 6	70 50 75 55 60 95 Type (us) 65 55	1018 1700 1935 1645 1228 1865 5 Radar Wa Pulse 1 Pri (us) 1224 1734	1147 0 1685 1368 1871 1534 *** Aveform_7 Pulse 2 Pri (us) 1476 1255	0 0 0 0 1848 1458 21	7516168 8261012 9642615 10304032 10977695 11309740 Start Loc (us) 363808 1174137	7500000 8250000 9000000 9750000 10500000 11250000 Start Burst Interval(us) 0 857143	8249999 899999 9749999 10499999 11249999 11999999 End Burst Interval (us 857142 1714285
12 742 13 137 14 657 15 327 15 16 77 15 327 15 18 18 18 18 18 18 18 18 18 18 18 18 18	114429 - 857143 f Time s3 83808 06560 094265 118644 01134 97440	1 2 2 3 3 aveform = 30 ************************************	15 18 15 17 17 Chirp (MHz) 13 6 17 6	50 75 55 60 95 Type Pw (us) 65 55	1700 1935 1645 1228 1865 5 Radar Wa Pulse 1 Pri (us) 1224	0 1685 1368 1871 1534 *** aveform_2 Pulse 2 Pri(us) 1476 1255	0 0 0 1848 1458 21	8261012 9642615 10304032 10977695 11309740 Start Loc (us) 363808 1174137	\$250000 9000000 9750000 10500000 11250000 Start Burst Interval(us) 0 857143	899999 974999 1049999 1124999 1199999 End Burst Interval (us 857142 1714285
13 137 14 657 15 327 16 670 16 101 101 101 101 101 101 101 101 101 1	1 14 14 14 15) = 857143 7 f Time 63808 00560 094265 118644 01134 97440	2 2 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4	15 18 15 17 Chirp (MHz) 13 6 17 6	75 55 60 95 Type :	1935 1645 1228 1865 5 Radar W a Pulse 1 Pri (us) 1224 1734	1685 1368 1871 1534 *** aveform_2 Pulse 2 Pri (us) 1476 1255	0 0 1848 1458 21 Pulse 3 Pri(us) 1069	9642615 10304032 10977695 11309740 Start Loc (us) 363808 1174137	9000000 9750000 10500000 11250000 Start Burst Interval(us) 0 857143	9749999 10499999 11249999 11999999 End Burst Interval (us 857142 1714285
14 667 15 67 16 67 16 327 16 327 16 327 17 327 18 327 18 327 18 327 19 327 19 327 10 327 10 327 10 327 11 666 11 327 11 666 12 166 13 59-4	1 14 14 14 12s) = 857143 f Time 63808 06560 094265 118644 01134 97440	2 3 aveform = 30 ************************************	18 15 17 Chirp (MHz) 13 6 17 6	55 60 95 Type :	1645 1228 1865 5 Radar Wa Pulse 1 Pri (us) 1224 1734	1368 1871 1534 *** aveform_2 Pulse 2 Pri (us) 1476 1255	0 1848 1458 21 Pulse 3 Pri (us) 1069 0	10304032 10977695 11309740 Start Loc (us) 363808 1174137	9750000 10500000 11250000 Start Burst Interval(us) 0	1049999 11249999 11999999 End Burst Interval (us 857142 1714285
aveform Num = 21 um of Bursts = 1/ 10 aveform Num = 21 um of Bursts = 1/ 11 aveform Num = 21 um of Bursts = 1/ 12 13 14 15 16 17 18 19 10 10 10 11 11 16 12 16 13 14 15 14 16 15 16 16 17 18 19 10 10 10 10 10 10 10 10 10 10 10 10 10	1 14 14 12 857143 f Time 33808 005560 0094265 118644 01134 97440	# Pulses 3 2 3 2 3 2 3 2 3 2	15 17 Chirp (MHz) 13 6 17 6	FW (us) 65 55	1228 1865 5 Radar Wa Pulse 1 Pri (us) 1224 1734	1871 1534 aveform_2 Pulse 2 Pri (us) 1476 1255	1848 1458 21 Pulse 3 Pri(us) 1069 0	10977695 11309740 Start Loc (us) 363808 1174137	10500000 11250000 Start Burst Interval(us) 0 857143	11249999 11999999 End Burst Interval (us 857142 1714285
aveform Num = 21 am of Bursts = 11 am of Bursts = 14 1	114 14 us) = 857143 f Time s) 63308 06560 094265 118644 01134 97440	######################################	Chirp (MHz) 13 6 17 6	Type	Pulse 1 Pri (us) 1224 1734	Pulse 2 Pri(us)	Pulse 3 Pri(us) 1069	11309740 Start Loc (us) 363808 1174137	Start Burst Interval(us) 0 857143	End Burst Interval (us 857142 1714285
aveform Num = 21 am of Bursts = 14 arst Interval (us) 2 366 3 106 3 107 4 600 5 997 6 997 6 107 10 321 11 666 12 166 13 594 14 167 15 166 16 166 17 906 18 166 19 17 906 19 18 18 18 18 18 18 18 18 18 18 18 18 18	1 14 14 12 12 15 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	######################################	Chirp (MHz) 13 6 17 6	Type	5 Radar Wa Pulse 1 Pri (us) 1224 1734	Pulse 2 Pri(us) 1476 1255	Pulse 3 Pri(us) 1069 0	Start Loc (us) 363808 1174137	Start Burst Interval(us) 0 857143	End Burst Interval(us 857142 1714285
weform Num = 21 um of Bursts = 1- urst Interval (us rrst (us) 36: 80: 10: 60: 60: 60: 70: 10: 10: 10: 10: 10: 11: 16: 12: 16: 13: 59- 14: 14: 15: 16: 16: 16: 16: 16: 16: 16: 16: 16: 16	1 14 14 us) = 857143 f Time s) 63808 06560 094265 118644 01134	# Pulses 3 2 3	Chirp (MHz) 13 6 17 6	Pw (us) 65 55 55	5 Radar Wa Pulse 1 Pri (us) 1224 1734	Pulse 2 Pri(us) 1476 1255	Pulse 3 Pri(us) 1069 0	(us) 363808 1174137	Interval (us) 0 857143	Interval (us 857142 1714285
mm of Bursts = 11 (urst Interval (urst Interval (urst Off (us) 366) 107 (urst Off (us) 366) 107 (urst Off (urst Of	14 us) = 857143 f Time s) 63808 06560 094265 118644 01134 97440	Pulses 3 2 3 2	(MHz) 13 6 17 6	PW (us) 65 55	Pulse 1 Pri(us) 1224 1734	Pulse 2 Pri(us) 1476 1255	Pulse 3 Pri(us) 1069 0	(us) 363808 1174137	Interval (us) 0 857143	Interval (u: 857142 1714285
mm of Bursts = 11 (urst Interval (urst Interval (urst Off (us) 366) 107 (urst Off (us) 366) 107 (urst Off (urst Of	14 us) = 857143 f Time s) 63808 06560 094265 118644 01134 97440	Pulses 3 2 3 2	(MHz) 13 6 17 6	(us) 65 55 55	Pri (us) 1224 1734	Pri(us) 1476 1255	Pri(us) 1069 0	(us) 363808 1174137	Interval (us) 0 857143	Interval (us 857142 1714285
arst (1f (us) 36.7 (us) 36.7 (us) 36.7 (us) 37.7 (us) 37	f Time s) 63808 06560 094265 118644 01134	Pulses 3 2 3 2	(MHz) 13 6 17 6	(us) 65 55 55	Pri (us) 1224 1734	Pri(us) 1476 1255	Pri(us) 1069 0	(us) 363808 1174137	Interval (us) 0 857143	Interval (us 857142 1714285
1 366 2 109 3 11: 5 60: 6 99; 6 41: 7 90: 8 90: 10 32: 11 666 11 12 166 13 594	63808 06560 094265 118644 01134	3 2 3 2	13 6 17 6	65 55 55	1224 1734	1476 1255	1069 0	363808 117 4 137	0 857143	8571 4 2 171 4 285
1 806 2 806 3 109 3 11: 4 60: 5 60: 6 418 7 906 8 100 9 100 10 328 11 666 12 166 13 59- 14 type of pumber of putter	06560 094265 118644 01134 97440	2 3 2	6 17 6	55 55	1734	1255	0	1174137	857143	1714285
2 10% 10% 11: 4 11: 4 10	094265 118644 01134 97440	3 2	17 6	55						
11: 60: 997 141 906 10: 10: 10: 11: 666 2: 16: 3: 594 4tal number of py	118644 01134 97440	2	6		1923	1882	1288	2271391	1714286	2571428
60: 99: 41: 90: 10: 10: 10: 10: 10: 10: 10: 10: 10: 1	0113 4 97 44 0			50						BO . X 200
5 99; 6 418 7 906 8 10; 10 32; 11 666 12 166 13 594	97440	1			1207	1393	0	3395128	2571429	3428571
997 418 907 3 107 10 328 11 660 12 166 13 59-4 14 tal number of putal		_	17	60	1007	0	0	3998862	3428572	4285714
, 418 900 3 107 10 208 11 660 12 160 13 594 14 total number of puttal number of putt		3	17	55	1351	1258	1298	4997309	4285715	5142857
906 107 108 109 109 109 109 109 109 109 109	18486	2								
107 108 109 110 120 130 140 141 number of p	06278		11	100	1117	1240	0	5419702	5142858	6000000
0 103 0 325 1 666 2 169 3 594 4 ttal number of p	075406	2	6	65	1181	1946	0	6328337	6000001	6857143
.0 325 .1 660 .2 169 .3 594 .4 number of pu	030327	1	12	80	1227	0	0	7406870	6857144	7714286
11 660 12 169 13 594 14 number of pu	25950	3	12	70	1925	1908	1738	8438424	7714287	8571429
.2 .3 .594 .4 .tal number of pu		3	6	65	1127	1194	1004	8769945	8571430	9428572
l3 594 l4 otal number of pu	60807	2	20	50	1974	1769	0	9434077	9428573	10285715
59: 14 otal number of pu	697152	3	9	50	1890	1289	1015	11134972	10285716	11142858
tal number of pu	94017	3	17	75	1149	1066	1829	11733183	11142859	12000001
	pulses in w *******	aveform = 33					1023	11100100	11112000	12000001
				Type	5 Radar Wa	aveform	22			
veform Num = 22	2			- 7100						
m of Bursts = 16 rst Interval (us	us)= 750000									
(us)	f Time s)	# 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(u
	88064	3	7	95	1698	1662	1813	688064	0	749999
	28372	3	13	80	1725	1322	1672	1221609	750000	1499999
509	09930	2	5	75	1480	1968	0	1736258	1500000	2249999
713	13467	1	5	55	1191	0	o	2453173	2250000	2999999
	63051	3	17	85	1260	1989	1979	3317415	3000000	3749999
11:	117608	1	18	55	1696	0	0	4440251	3750000	4499999
	85692	1	17	70	1260	0	0	4627639	4500000	5249999
	260690	2	13	50	1223	1222	0	5889589	5250000	5999999
71:	11047	1	14	75	1683	0	0	6603081	6000000	6749999
0 248	48603	1	20	55	1514	0	0	6853367	6750000	7499999
109	092760	2	11	85	1514	1382	0	7947641	7500000	8249999
.1 585	85973	2	10	65	1375	1384	0	8536585	8250000	8999999
.2 3	186822	3	9	65	1061	1897	1015	9726166	9000000	9749999
.3 .4		2	20	60	1710	1830	0	9856529	9750000	10499999
.4 .5	26390	4			1710	0	0			
146 16		1	14 11	65 70	1523	0	0	10502930 11973719	10500000 11250000	11249999 11999999



				Type	5 Radar Wa	aveform_	23			
veform Num um of Burst urst Interv	= 23 s = 16 a1 (us)= 7500	100								
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
	38059	1	10	60	1243	0	0	38059	0	749999
	1418904	3	12	85	1490	1794	1704	1458206	750000	1499999
	704274	3	14	95	1116	1014	1058	2167468	1500000	2249999
	157906	3	19	85	1292	1932	1534	2328562	2250000	2999999
	998794	2	16	85	1195	1561	0	3332114	3000000	3749999
	650743	2	20	90	1580	1150	0	3985613	3750000	4499999
	1229641	2	20	85	1233	1543	0	5217984	4500000	5249999
	481459	2	7	50	1174	1169	0	5702219	5250000	5999999
	819135	1	5	65	1115	0	0	6523697	6000000	6749999
	557390	3	12	65	1527	1114	1579	7082202	6750000	7499999
	1105641	1	5	85	1773	0	0	8192063	7500000	8249999
	779947	1	10	85	1455	0	0	8973783	8250000	8999999
	494087	3	18	55	1871	1301	1298	9469325	9000000	9749999
	850785	1	20	75	1756	0	0	10324580	9750000	10499999
	855685	1	20	55	1984	0	0	11182021	10500000	11249999
	608171	2	12	55	1701	1183	0	11792176	11250000	11999999
al number *******	of pulses in	waveform = 3 **********	31		*****					
				Туре	5 Radar Wa	aveform_2	24			
eform Num of Burst st Interv	= 24 s = 18 a1 (us)= 6666	67								
st	Off Time	#	Chirp (MHz)	PW	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst
	(us) 302928	Pulses		(us)						Interval(
	501719	1	16 9	65 55	1741 1737	0	0	302928 806388	0 666667	666666 1333333
	1084379	3	12	60	1337	1140	1691	1892504	1333334	2000000
	686294	3	9	90	1141	1666	1366	2582966	2000001	2666667
	590646	1	16	50	1604	0	0	3177785	2666668	3333334
	595116	3	18	75	1919	1538	1885	3774505	3333335	4000001
	863154 123997	2	8	75	1158	1383	0	4643001	4000002	4666668
	925507	2	18	60	1654	1755	0	4769539	4666669	5333335
	752725	2	14	100	1748	1693	0	5698455	5333336	6000002
	229622	1	14	75	1673	0	0	6454621	6000003	6666669
	1217865	1	19	50	1463	0	0	6685916	6666670	7333336
	566492	3	11	80	1579	1912	1761	7905244	7333337	8000003
	566497	1	17 19	85 90	1512 1586	0	0	8476988 9044997	8000004 8666671	8666670 9333337
	802700	2	19	100	1742	1196	0	9849283	9333338	10000004
	490884	2	20	65	1630	1971	0	10343105	10000005	10666671
	751018	1	18	80	1222	0	0	11097724	10666672	11333338
al number	746073 of pulses in	2	5	100	1455	1033	0	11845019	11333339	12000005
			k rekradu rekradu rekradu rekradu rekradu rekradu		kraterateraterateraterateraterateraterate		_			
				Type	5 Radar Wa	aveform_2	25			
eform Num of Burst st Interv		333								
st	Off Time	# 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(u
	255850									
	2290477	3	20	90	1922	1615	1139	255850	0	1333332
		3	11	70	1799	1030	1072	2551003	1333333	2666665
	318964									
	1468933	3	5	70	1551	1686	1937	2873868	2666666	3999998
		3	13	50	1086	1666	1042	4347975	3999999	5333331
								E747070	E000000	
	1396209		9	90	1378	1528	0	5747978	5333332	6666664
		2				1675	1228	7666099	6666665	7999997
	1396209 1915215	3	5	75	1665	1675			0000000	
		3								
	1915215 1473151		5 7	75 55	1665 1094	1979	1348	9143818	7999998	9333330
	1915215 1473151 1394700	3								
	1915215 1473151	3	7	55	1094	1979	1348	9143818	7999998	9333330



				Type	5 Radar W	aveform_	26			
Waveform Nur Num of Burst Burst Interv	n = 26 ts = 13 va1 (us)= 9230	77								
Burst #	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	400491	2	15	90	1450	1399	0	400491	0	923076
2	533002	1	11	80	1242	0	0	936342	923077	1846153
3	1050722	3	6	90	1132	1706	1020	1988306	1846154	2769230
4	1030462	3	15	65	1464	1010	1762	3022626	2769231	3692307
5	1128130	2	11	70	1429	1409	0	4154992	3692308	4615384
6	1188190	3	6	95	1107	1344	1665	5346020	4615385	5538461
7	472033	2	12	50	1648	1352	0	5822169	5538462	6461538
8	668374	1	14	95	1298	0	0	6493543	6461539	7384615
9	1071798 947249	3	10	60	1714	1947	1214	7566639	7384616	8307692
10	1339547	3	11	85	1522	1129	1905	8518763	8307693	9230769
11	293551	3	12	100	1972	1019	1837	9862866	9230770	10153846
12	1112156	2	18	95	1263	1312	0	10161245	10153847	11076923
	r of pulses in	1 waveform =	9 29	100	1918 ******	0	0	11275976	11076924	12000000
										
				Type	5 Radar Wa	aveform_	27			
Javeform Nur Mum of Burst Burst Interv Burst	n = 27 ts = 20 val (us)= 6000 Off Time (us) 350637	ool #	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
1	(us) 350637	Pulses 1	Chirp (MHz)	(us) 90	Pulse 1 Pri(us) 1566	Pulse 2 Pri(us)	Pulse 3 Pri(us) O	Start Loc (us) 350637	Interval(us)	End Burst Interval(us) 599999
2	424534	2	9	95	1769	1663	0	776737	600000	1199999
3	645149 927286	2	10	95	1491	1045	0	1425318	1200000	1799999
4 5	198460	3	17 17	70 70	1949 1822	0 1607	0 1349	2355140 2555549	1800000 2400000	2399999 2999999
6	676649	3	10	75	1178	1410	1632	3236976	3000000	3599999
7	637 4 88 886130	1	20	95	1048	О	0	3878684	3600000	4199999
9	271419	1 2	18 11	55 100	1573 1997	0 1752	0	4765862 5038854	4200000 4800000	4799999 5399999
10	925919 245764	1	12	80	1031	0	0	5968522	5400000	5999999
11	866334	1	5	95	1568	0	0	6215317	6000000	6599999
12 13	181743	2	10 14	75 85	1959 1511	0 1310	0	7083219 7266921	6600000 7200000	7199999 7799999
14	10870 4 8 538250	3	11	85	1813	1335	1112	8356790	7800000	8399999
15	461303	2	15	85	1678	1845	0	8899300	8400000	8999999
16 17	335060	1	16 7	75 70	1077 1775	0	0	936 4 126 9700263	9600000	9599999 10199999
18	654925	1	16	80	1741	0	0	10356963	10200000	10799999
19	749308 870738	3	20	65	1741	1863	1349	11108012	10800000	11399999
20 Fotal number	of pulses in	2 waveform = *******	11 34 *******	90 *************	1244 ***********	1764 **	0	11983703	11400000	11999999
				Туре	5 Radar W	aveform_2	28			
, Waveform Nu Num of Burs										
Burst Inter	val (us)= 1200 Off Time	000	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
#	(us) 836885	Fulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us)
1	1070047	2	11	55	1953	1549	0	836885	0	1199999
2		1	7	60	1794	0	0	1910434	1200000	2399999
	754260	3	18	70	1732	1322	1366	2666488	2400000	3599999
3	1536425	2	16	75	1019	1418	0	4207333	3600000	4799999
3		-		80						
3 4	1303195	0	17	ōU.	1979	1777	0	5512965	4800000	5999999
3 4 5	1303195 1267531	2	17							
3 4	1267531	2 1	17 8	100	1835	0	0	6784252	6000000	7199999
3 4 5	1267531 701868				1835 1683	0 2000	0	6784252 7487955	6000000 7200000	7199999 8399999
3 4 5 6	1267531 701868 1740607	1	8	100						
3 4 5 6 7	1267531 701868	1 2 2	8 8 6	100 90 80	1683 1 4 50	2000 1168	0	7487955 9232245	7200000 8400000	8399999 9599999
3 4 5 6 7	1267531 701868 1740607	1 2	8	100 90	1683	2000	0	7487955	7200000	8399999



				Type	5 Radar Wa	aveform_:	29			
veform i	Num = 29 rsts = 18 erval (us)= 6666									
		67								_
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
	458063	1	7	95	1705	0	0	458063	0	666666
	307918	3	17	90	1475	1550	1682	767686	666667	1333333
	928715	1	12	90	1695	0	0	1701108	1333334	2000000
	624497	2	18	65	1424	1616	0	2327300	2000001	2666667
	592483	2	5	65	1781	1327	0	2922823	2666668	3333334
	544157	2	16	65	1671	1419	0	3470088	3333335	4000001
	813412	3	19	90	1497	1326	1700	4286590	4000002	4666668
	1010606	2	6	70	1314	1944	0	5301719	4666669	5333335
	456838	2	6	85	1877	1631	0	5761815	5333336	6000002
	438250	2					0		6000003	
0	1078049		11	75	1543	1166		6203573		6666669
1	679739	1	17	65	1290	0	0	7284331	6666670	7333336
2	625310	3	5	65	1391	1033	1281	7965360	7333337	8000003
3	532091	3	16	55	1932	1184	1324	8594375	8000004	8666670
4	414648	1	16	70	1499	0	0	9130906	8666671	9333337
5	758143	1	18	55	1391	0	0	9547053	9333338	10000004
6	572424	1	15	65	1977	0	0	10306587	10000005	10666671
7	677875	3	14	75	1633	1350	1902	10880988	10666672	11333338
18 otal num e*****	ber of pulses ir	1 waveform = 3	13 4 «***********				°	11563748	11333339	12000005
tal num	ber of pulses ir	waveform = 3	34	ekt nikt nikt nikt nikt nikt nikt nikt ni		****		11563748	11333339	12000005
tal num	ber of pulses ir	waveform = 3	34	ekt nikt nikt nikt nikt nikt nikt nikt ni	roder rejerceder rejerceder sejerceder rejerceder rejerceder rejerceder rejerceder	****		11563748	11333339	12000005
tal num	ber of pulses ir	waveform = 3	3.4. он начина на постана н	Type	5 Radar W	aveform_	30			
tal num	ber of pulses ir	waveform = 3	34	ekt nikt nikt nikt nikt nikt nikt nikt ni	nde nijenije nijenije nijenije nijenije nijenije nijenije nijenije nijenije	****		Start Loc	Start Burst Interval(us)	End Burst
tal num	ber of pulses ir	waveform = 3	3.4. он начина на постана н	Type	5 Radar W	aveform_	30	Start Loc	Start Burst	End Burst
tal num	Num = 30 rests = 20 rol (us) 6000 (us) 192494 573895	waveform = 3	d chirp (MHz)	Type	5 Radar Wa	aveform_;	Pulse 3	Start Loc	Start Burst Interval(us)	End Burst Interval(u
tal num	Num = 30 wrsts = 20 crval (us) = 600 192494 573895 753253	a waveform = 3	Chirp (MHz)	Type	5 Radar Wa	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us) 192494	Start Burst Interval(us)	End Burst Interval(u 599999
tal num	Num = 30 wrsts = 20 crval (ue) = 600 (ff) Time (102494 573895 753253 474634	n waveform = 3	Chirp (MHz) 13	Type :	Fulse 1 Pri (us) 1136 1508	Pulse 2 Pri(us) 1680	Pulse 3 Pri(us)	Start Loc (um) 192494 769205	Start Burst Interval (us) 0 600000	End Burst Interval(u 59999 1199999
tal num	Num = 30 rats = 00 erovolf Time (us) 192494 573895 753253 474634 878654	a waveform = 3	Chirp (MHz) 13 17 5	Type :	5 Radar Wa	Pulse 2 Pri(us) 1680 0	Pulse 3 Pri(us) 0 0	Start Loc (us) 102404 709205 1523966	Start Burst Interval (us) 0 600000 1200000	End Burst Interval (u 59999 1199999
tal num	Num = 30 rest = 20 eval (15) = 6000 (41) 192494 573895 753253 474634 878654 669655	1 waveform = 3 **********************************	Chirp (MHz) 13 17 5	Type 5	Pulse 1 Pri (us) 1136 1508 1436 1885	Pulse 2 Pri(us) 1680 0 1992 1978	Pulse 3 Pri(us) 0 0 1318 1925	Start Loc (us) 192404 769205 1523966 2003346	Start Burst Interval (us) 0 600000 1200000 1800000	End Burst Interval (u 59999 1199999 1799999 2399999
tal num	Num = 30 rest = 20 eval (us) = 600 0ff fime (152494 573895 753253 474634 878654 669655 479646	waveform = 3 ***********************************	Chirp (MHz) 13 17 5 12	Type :	Pulse 1 Pri (up) 1136 1508 1436 1885	Pulse 2 Pri(us) 1680 0 1992 1978 1868	Pulse 3 Pri (us) 0 0 0 1318 1925 0	Start Loc (us) 192494 769205 1523966 2003346 2887788	Start Burst Interval (us) 0 600000 1200000 1800000 2400000	End Burst Interval (u. 59999 1199999 1799999 2399999 2999999
tal num	Num = 30 write = 20 crysl (us) = 600 Off, Time (us) = 75395 753253 474634 878654 609655 479646 212938) waveform = 3	Chirp (MHz) 13 17 5 12 8	Pw (us) 55 95 75 70 55 50	Pulse 1 Pri (ue) 1136 1508 1436 1885 1950 1458	Pulse 2 Pri(us) 1680 0 1992 1978 1868 1563	Pulse 3 Pri(us) 0 0 1318 1925 0	Start Loc (us) 192494 760205 1523966 2003346 2887788 3561261	Start Burst Interval (us) 0 600000 1200000 1800000 2400000 3000000	End Burst Interval(u. 59909 119909 179099 239099 299099 359099
tal num	Num = 30 rest = 20 = 6000 Off Time (up) 192494 573895 753293 474634 878654 669655 479646 212938 818277	waveform = 3 ***********************************	Chirp (MHz) 13 17 5 12 8 14 6	Fw (us) 55 95 75 70 55 50 100	Pulse 1 Pri (us) 1136 1508 1436 1885 1950 1458 1234	Pulse 2 Pri(us) 1680 0 1992 1978 1868 1563 2000	Pulse 3 Pri(us) 0 0 1318 1925 0 0	Start Loc (us) 192494 769205 1523966 2003346 2887788 3561261 4043928	Start Burst Interval(us) 0 600000 1200000 1800000 2400000 36000000	End Burst Interval(u 50000 1100000 1700000 2300000 2000000 3500000 4100000
veform; rst Intrest	Num = 30 mets = 20 erval (us) = 600 (tr) Time 192494 573895 753253 474634 878654 669655 479646 212938 818277 782687	000 # Pulses 2 1 3 3 2 2 2 3 3 2 2	Chirp (MHz) 13 17 5 12 8 14 6	Type 5 Pw (us) 55 95 75 70 55 50 100 70	Pulse 1 Pri (us) 1136 1508 1436 1885 1950 1458 1234 1866	Pulse 2 Pri(us) 1680 0 1992 1978 1868 1563 2000 1581	Pulse 3 Pri(us) 0 0 1318 1925 0 0 1211	Start Loc (us) 192494 769205 1523966 2003346 2887788 3561261 4043928 4261311	Start Burst Interval(us) 0 600000 1200000 1800000 2400000 3600000 4200000	End Burst Interval (ur 50000 1100000 1700000 2300000 2000000 3500000 4100000 4700000
veform:	Num = 30 ursts = 20 erval (us) = 600 Off, Time (102494 573895 753253 474634 878654 609655 479646 212938 818277 782687 420035)000 # Pulses 2 1 3 3 2 2 2 3 3 2 2 3 3	Chirp (MHz) 13 17 5 12 8 14 6 5	Pw (us) 55 95 75 70 55 50 100 70 65	Pulse 1 Pri (ue) 1 1136 1508 1436 1885 1950 1458 1234 1866	Pulse 2 Pri(us) 1680 0 1992 1978 1868 1563 2000 1581	Pulse 3 Pri(us) 0 0 1318 1925 0 0 1211 0	Start Loc (us) 192494 769205 1523966 2003346 2287788 3561261 4043928 4261311 5083035	Start Burst Interval (us) 0 600000 1200000 1800000 2400000 3600000 4200000 4800000	End Burst Interval (u. 59999 1199999 239999 299999 359999 419999 479999 539999
veform; veform; of Bucst Intest Intest	Num = 30 wrsts = 20 orval = 20 = 6000 Off Time (us) 192494 573895 753253 474634 878654 609655 479646 212938 818277 782687 420035 544507) waveform = 3 ***********************************	Chirp (MHz) 13 17 5 12 8 14 6 5 16	Fw (us) 55 95 75 70 55 50 100 70 65 95	Pulse 1 Pri(us) 1136 1508 1436 1885 1950 1458 1234 1866 1133 1582	Pulse 2 Pri(us) 1680 0 1992 1978 1868 1563 2000 1581 1226	Pulse 3 Pri(us) 0 0 1318 1925 0 0 1211 0 1196	Start Loc (us) 192494 769205 1523966 2003346 2887788 3661261 4043928 4261311 5083035 5869277	Start Burst Interval (us) 0 600000 1200000 1800000 2400000 36000000 4200000 4800000 5400000	End Burst Interval (un 59009 1100909 1790909 2300009 2500009 4100009 4700009 5300000
veform weform wef	Num = 30 mrsts = 20 crval (tf) me (utf) me	waveform = 3 ***********************************	Chirp (MHz) 13 17 5 12 8 14 6 5	Fw (us) 55 95 75 70 55 50 100 70 65 95 95	Pulse 1 Pri (up) 1136 1508 1436 1885 1950 1468 1234 1866 1133 1582	Pulse 2 Pri(us) 1680 0 1992 1978 1868 1563 2000 1581 1226 0	Pulse 3 Pri(us) 0 0 1318 1925 0 0 1211 0 1196 0	Start Loc (us) 192494 769205 1523966 2003346 2887788 3561261 4043928 4261311 5083035 5889277 6290894	Start Burst Interval (us) 0 600000 1200000 1800000 2400000 30000000 4200000 4200000 5400000 6000000	End Burst Interval (u. 500000 1190000 2300000 2300000 3500000 4190000 4700000 5300000 65000000
veform: weform: weform: fin of Bu ret Int	Num = 30	2000 # Pulses 2 1 3 3 2 2 2 3 3 1 1 2 3 3	Chirp (MMz) 13 17 5 12 8 14 6 5 16 12 12	Type :	Pulse 1 Pri (ue) 1136 1508 1436 1885 1950 1458 1234 1866 1133 1582 1182	Pulse 2 Pri (us) 1680 0 1992 1978 1868 1563 2000 1581 1226 0	Pulse 3 Pri(us) 0 0 1318 1925 0 0 1211 0 1196 0	Start Loc (us) 192494 709205 1523966 2003346 2887788 3561261 4043928 4261311 5083035 5889277 629894 6837645	Start Burst Interval (us) 0 600000 1200000 2400000 3000000 4200000 4200000 5400000 5400000 66000000	End Burst Interval (u. 509090 1700009 2300009 2500009 4100099 4700009 5300009 5500009 7100009
veform: weform: m of Bu rst Int	Num = 30 wrsts = 20 off fime (us) 162494 573895 753253 474634 878654 609655 479646 212938 818277 782687 420035 544507 385022 815431 614401	1000 # Pulses 2 1 3 3 2 2 3 3 1 1 2 3 1 1	Chirp (MHz) 13 17 5 12 8 14 6 5 16 12 12 12	Fw (us) 55 95 75 50 100 70 65 95 95 75 60	Pulse 1 Pri (us) 1136 1508 1436 1885 1950 1458 1234 1866 1133 1582 1182 1303 1305	Pulse 2 Pri(us) 1680 0 1992 1978 1868 1563 2000 1581 1226 0	Pulse 3 Pri(us) 0 0 1318 1925 0 0 1211 0 1196 0	Start Loc (us) 192494 769205 1523966 2003346 2887788 3561261 4043928 4261311 5083035 5869277 6290894 6837645 7227012	Start Burst Interval(us) 0 600000 1200000 1800000 2400000 3600000 4200000 4200000 6400000 66000000 7200000	End Burst Interval (u. 59999 119999 239999 299999 419999 479999 539999 539999 539999 719999
veform: weform: ret Int 1 2 3 4 5	Num = 30 rest = 20 rest = 20 rest = 20 rest = 20 rest = 30 rest = 20 rest = 40 rest =	wwveform = 3 ***********************************	Chirp (Mitz) 13 17 5 12 8 14 6 5 16 12 12 12 12	Fw (us) 55 95 70 55 50 100 70 65 95 95 75 60 90	Pulse 1 Pri (us) 1136 1508 1436 1885 1950 1458 1234 1866 1133 1582 1182 1303 1305	Pulse 2 Pri(us) 1680 0 1992 1978 1868 1563 2000 1581 1226 0 1002 1222 0	Pulse 3 Pri(us) 0 0 0 1318 1925 0 0 1211 0 1196 0 0	Start Loc (us) 192494 769205 1523966 2003346 2887788 3561261 4043928 4261311 5083035 5889277 6290894 6837645 7227012 8043748	Start Burst Interval(us) 0 600000 1200000 1800000 2400000 3600000 4200000 4200000 6000000 6000000 7200000 7800000	End Burst Interval (u. 500000 11000000 23000000 23000000 25000000 41000000 41000000 53000000 53000000 65000000 71000000 83000000 83000000
veform we form of Burret Intrest Int	Num = 30 num = 30 num = 20 erval (us) = 6000 Off fime 192494 573395 753253 474634 878654 669655 479646 212938 818277 782687 420035 544507 385022 815431 614401 693415 641462	2 1 3 3 2 2 3 3 1 1 2 3 3 1 1 1 1 1 1 1	Chirp (MHz) 13 17 5 12 8 14 6 5 16 12 12 12 20 19	Type :	Pulse 1 Pri (us) 1 1136 1508 1436 1885 1950 1458 1234 1866 1133 1582 1182 1303 1305 1668	Pulse 2 Pri (us) 1680 0 1992 1978 1868 1563 2000 1581 1226 0 1062 1222 0	Pulse 3 Pri(us) 0 0 1318 1925 0 0 1211 0 1196 0 0 1820 0	Start Loc (us) 192494 769205 1523066 2003346 2887788 3561261 4043928 4261311 5083035 5869277 6200894 6837645 7227012 8043748 8659817	Start Burst Interval (us) 0 600000 1200000 2400000 3000000 4200000 4200000 5400000 5400000 7200000 8400000 8400000	End Burst Interval (u. 509090 1190909 1790909 2309090 2309090 3509090 4199090 4799090 5309090 5509090 7190909 7309090 8309090 8309090
tal num	Num = 30 ursts = 20 erval (us) = 6000 (ff, Time (1) = 102494 573895 753253 474634 878654 609655 479646 212938 818277 782637 420035 544507 385022 815431 614401 603415 641462 422762	2000 # Pulses 2 1 3 3 2 2 2 3 1 1 2 3 1 1 1 1 3 3	Chirp (MHz) 13 17 5 12 8 14 6 5 16 12 12 12 12 12 10 10	Type (U.S.) 55 95 75 70 55 50 100 70 65 95 75 60 90 55 100	Fulse 1 Pri (ue) 1 1136 1508 1436 1885 1950 1458 1234 1866 1133 1582 1182 1303 1305 1668 1888	Pulse 2 Pri (us) 1680 0 1992 1978 1868 1563 2000 1581 1226 0 1062 1222 0	Pulse 3 Pri(us) 0 0 1318 1925 0 1211 0 1196 0 0 1820 0	Start Loc (um) 192494 769205 1523966 2003346 2287788 3561261 4043928 4261311 5083035 5889277 6290894 6837645 7227012 8043748 8859817 9355120	Start Burst Interval(us) 0 600000 1200000 1800000 2400000 3600000 4200000 5400000 6600000 7200000 7800000 8400000 9000000	End Burst Interval (u. 59999 1199999 2300999 2300999 4799999 4799999 5300999 5500999 7799999 8300999 9590999
veform : weform if Europe of Europe	Num = 30 num = 30 num = 20 erval (us) = 6000 Off fime 192494 573395 753253 474634 878654 669655 479646 212938 818277 782687 420035 544507 385022 815431 614401 693415 641462	000 # Pulses 2 1 3 3 2 2 3 3 1 2 2 3 1 1 1 1 1 3 3 1	Chirp (MHz) 13 17 5 12 8 14 6 5 16 12 12 12 12 12 12 12 12 12 12 12 12 12	Fw (us) 55 95 75 70 65 95 95 95 95 95 95 95 90 60 90 65 100 65	Pulse 1 Pri (us) 1136 1508 1436 1885 1950 1458 1234 1866 1133 1582 1182 1303 1305 1668 1888 1786	Pulse 2 Pri(us) 1680 0 1992 1978 1868 1563 2000 1581 1226 0 1062 1222 0	Pulse 3 Pri(us) 0 0 0 1318 1925 0 0 1211 0 1196 0 0 0	Start Loc (ue) 102404 769205 1523966 2003346 2887788 3561261 4043928 4261311 508035 5869277 6290894 6837645 7227012 8043748 8659817 9355120 10001421	Start Burst Interval (us) 0 600000 1200000 1300000 2400000 3600000 4200000 4200000 5400000 6500000 7200000 7300000 9600000	End Burst Interval (u 500000 11000000 1790000 2300000 2300000 4100000 4100000 7790000 5000000 7790000 8300000 8300000 8300000 101000000 101000000 101000000



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	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%





F	Radar waveform #	1	Radar waveform #2			
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)	
3	5334	9	9	5330	27	
13	5353	39	11	5311	33	
15	5342	45	24	5340	72	
23	5335	69	55	5312	165	
33	5352	99	56	5348	168	
35	5351	105	72	5357	216	
41	5303	123	73	5351	219	
46	5355	138	83	5306	249	
47	5322	141	88	5303	264	
54	5324	162	89	5353	267	
58	5306	174	90	5344	270	
70	5350	210	95	5326	285	
75	5300	225				
76	5345	228				
79	5320	237				
94	5349	282				
97	5316	291				
99	5304	297				





F	Radar waveform #	3	Radar waveform #4			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
9	5319	27	6	5351	18	
10	5322	30	13	5324	39	
11	5321	33	25	5334	75	
16	5311	48	35	5313	105	
32	5334	96	37	5325	111	
39	5312	117	56	5309	168	
42	5299	126	70	5339	210	
45	5338	135	73	5356	219	
51	5330	153	85	5322	255	
57	5354	171	87	5320	261	
60	5345	180	88	5305	264	
75	5340	225	98	5327	294	
79	5303	237				
81	5335	243				
90	5336	270				
91	5349	273				
92	5350	276				
93	5305	279				



F	Radar waveform #	5	Radar waveform #6		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
4	5317	12	1	5303	3
24	5303	72	24	5302	72
26	5357	78	31	5310	93
35	5312	105	40	5337	120
37	5326	111	42	5309	126
40	5328	120	44	5318	132
48	5324	144	46	5344	138
53	5306	159	68	5322	204
59	5300	177	84	5348	252
61	5341	183	86	5324	258
63	5351	189	96	5304	288
77	5299	231	-		
80	5304	240			

F	Radar waveform #	7	Radar waveform #8			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
2	5322	6	34	5338	102	
16	5321	48	36	5347	108	
22	5305	66	37	5316	111	
37	5356	111	43	5314	129	
57	5319	171	59	5309	177	
60	5355	180	60	5303	180	
74	5344	222	68	5351	204	
77	5349	231	70	5354	210	
82	5304	246	72	5305	216	
86	5335	258	85	5340	255	
87	5345	261	91	5336	273	
96	5342	288	98	5355	294	
99	5312	297				





F	Radar waveform #	9	Radar waveform #10			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
1	5324	3	20	5331	60	
11	5318	33	21	5343	63	
52	5351	156	29	5328	87	
54	5321	162	31	5341	93	
59	5346	177	36	5346	108	
62	5326	186	41	5305	123	
71	5337	213	48	5327	144	
73	5302	219	50	5354	150	
74	5352	222	54	5322	162	
87	5308	261	55	5307	165	
92	5349	276	58	5303	174	
			61	5339	183	
			66	5355	198	
			76	5359	228	
			91	5335	273	
			98	5301	294	



R	adar waveform #1	11	Radar waveform #12			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
11	5330	33	0	5315	0	
26	5337	78	5	5332	15	
28	5347	84	14	5326	42	
50	5354	150	21	5302	63	
53	5345	159	31	5358	93	
54	5336	162	34	5299	102	
56	5300	168	40	5348	120	
60	5343	180	44	5359	132	
61	5342	183	46	5319	138	
64	5316	192	52	5330	156	
65	5321	195	77	5350	231	
80	5325	240	80	5314	240	
82	5312	246	81	5346	243	
84	5341	252	84	5303	252	
			90	5333	270	
			95	5329	285	

R	adar waveform #1	13	R	adar waveform #	14
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
2	5356	6	11	5321	33
24	5343	72	25	5356	75
31	5329	93	28	5358	84
39	5304	117	47	5345	141
66	5334	198	63	5326	189
73	5357	219	70	5310	210
83	5302	249	73	5336	219
95	5305	285	79	5315	237
			80	5353	240
			85	5323	255
			90	5331	270
			99	5346	297



R	adar waveform #1	15	Radar waveform #16			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
17	5348	51	5	5324	15	
20	5322	60	6	5306	18	
23	5339	69	10	5347	30	
28	5345	84	28	5315	84	
30	5305	90	37	5305	111	
36	5300	108	38	5319	114	
38	5335	114	39	5340	117	
49	5359	147	43	5332	129	
52	5333	156	47	5341	141	
56	5338	168	49	5326	147	
66	5321	198	56	5349	168	
75	5337	225	61	5344	183	
78	5320	234	78	5301	234	
91	5326	273	84	5317	252	
99	5314	297	89	5359	267	
			95	5350	285	
			99	5355	297	

R	adar waveform #1	17	Radar waveform #18		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
14	5358	42	12	5334	36
15	5304	45	14	5342	42
33	5312	99	18	5337	54
41	5342	123	31	5306	93
51	5325	153	47	5347	141
68	5356	204	48	5330	144
75	5330	225	50	5352	150
83	5353	249	69	5335	207
			73	5350	219
			75	5307	225
			78	5309	234
			92	5331	276
			97	5339	291



R	adar waveform #1	19	Radar waveform #20			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
9	5328	27	2	5321	6	
16	5337	48	4	5330	12	
30	5341	90	5	5302	15	
36	5302	108	6	5319	18	
51	5324	153	12	5318	36	
56	5313	168	25	5316	75	
59	5326	177	29	5350	87	
61	5335	183	31	5346	93	
63	5353	189	46	5352	138	
66	5346	198	52	5332	156	
72	5306	216	53	5334	159	
74	5312	222	66	5337	198	
94	5340	282	70	5312	210	
			82	5314	246	

R	adar waveform #2	21	Radar waveform #22			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
0	5327	0	7	5349	21	
3	5319	9	9	5327	27	
15	5337	45	13	5343	39	
19	5338	57	17	5304	51	
23	5320	69	31	5324	93	
32	5328	96	40	5345	120	
39	5323	117	55	5351	165	
43	5322	129	57	5305	171	
49	5347	147	71	5322	213	
53	5333	159	72	5341	216	
56	5307	168	76	5330	228	
61	5325	183	80	5300	240	
62	5354	186				
68	5308	204				
92	5341	276				





R	adar waveform #2	23	Radar waveform #24			
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)	
2	5324	6	11	5309	33	
6	5316	18	14	5343	42	
7	5337	21	15	5345	45	
31	5352	93	17	5324	51	
46	5310	138	20	5339	60	
52	5340	156	21	5351	63	
56	5311	168	27	5318	81	
66	5319	198	29	5333	87	
72	5341	216	43	5301	129	
80	5358	240	48	5325	144	
87	5350	261	51	5350	153	
91	5333	273	57	5331	171	
95	5348	285	58	5340	174	
96	5345	288	60	5344	180	
			72	5317	216	
			77	5338	231	
			83	5357	249	
			84	5315	252	
			87	5314	261	
			88	5358	264	
			99	5305	297	





R	adar waveform #2	25	Radar waveform #26			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
3	5305	9	2	5348	6	
9	5341	27	4	5345	12	
18	5324	54	12	5312	36	
20	5307	60	23	5322	69	
21	1 5342 63		36	5324	108	
45	5354	135	38	5305	114	
67	5323	201	41	5341	123	
68	5340	204	48	5306	144	
69	5327	207	56	5340	168	
78	5304	234	57	5331	171	
81	5358	243	82	5311	246	
85	5329	255	83	5346	249	
88	5338	264	99	5317	297	
89	5349	267				
90	5331	270				





R	adar waveform #2	27	Radar waveform #28			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
8	5348	24	13	5305	39	
12	5318	36	24	5340	72	
33	5351	99	26	5348	78	
34	5353	102	47	5335	141	
35	5333	105	64	5337	192	
36	5312	108	68	5330	204	
37	5346	111	81	5318	243	
45	5355	135	85	5301	255	
47	5358	141	87	5336	261	
56	5308	168	88	5332	264	
65	5317	195				
70	5322	210				
74	5316	222				
96	5323	288				
97	5338	291				
98	5356	294				
99	5306	297				





R	adar waveform #2	29	Radar waveform #30			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
3	5318	9	5	5317	15	
8	5309	24	18	5354	54	
9	5354	27	23	5314	69	
14	5356	42	25	5337	75	
29	5311	87	26	5299	78	
54	5337	162	37	5342	111	
71	5355	213	39	5359	117	
84	5310	252	60	5350	180	
85	5346	255	62	5328	186	
90	5350	270	66	5318	198	
94	5324	282	71	5305	213	
96	5312	288	73	5336	219	
97	5314	291	92	5348	276	
			95	5343	285	
			98	5332	294	



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	5251	1	918	58	1	
2	5251	1	878	61	1	
3	5251	1	538	99	1	
4	5251	1	738	72	1	
5	5251	1	798	67	1	
6	5251	1	598	89	1	
7	5251	1	698	76	1	
8	5251	1	838	63	1	
9	5251	1	818	65	1	
10	5251	1	518	102	1	
11	5251	1	718	74	1	
12	5251	1	558	95	1	
13	5251	1	638	83	1	
14	5251	1	578	92	1	
15	5251	1	858	62	1	
16	5251	1	2183	25	1	
17	5251	1	1358	39	1	
18	5251	1	1322	40	1	
19	5251	1	2686	20	1	
20	5251	1	1529	35	1	
21	5251	1	1523	35	1	
22	5251	1	527	101	1	
23	5251	1	1782	30	1	
24	5251	1	2941	18	1	
25	5251	1	1684	32	1	
26	5251	1	2051	26	1	
27	5251	1	2569	21	1	
28	5251	1	3041	18	1	
29	5251	1	2817	19	1	
30	5251	1	1258	42	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	5270	5.0	227	26	1
2	5270	2.2	218	23	1
3	5270	4.0	181	29	1
4	5270	3.2	185	27	1
5	5270	2.9	217	25	1
6	5270	4.0	187	23	1
7	5270	5.0	191	27	1
8	5270	2.8	163	25	1
9	5270	1.1	215	25	1
10	5270	4.0	200	25	1
11	5270	3.4	171	25	1
12	5270	1.8	189	25	1
13	5270	4.1	176	25	1
14	5270	3.5	159	24	1
15	5270	2.5	157	24	1
16	5270	4.2	216	28	1
17	5270	3.4	225	23	1
18	5270	4.5	175	26	1
19	5270	2.1	175	25	1
20	5270	3.3	165	25	1
21	5270	2.8	185	29	1
22	5270	3.9	230	27	1
23	5270	4.7	208	23	1
24	5270	1.7	223	25	1
25	5270	1.2	171	24	1
26	5270	2.8	179	27	1
27	5270	1.8	181	23	1
28	5270	3.7	193	29	1
29	5270	4.3	195	26	1
30	5270	3.0	215	24	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	5290	6.9	495	16	1
2	5290	6.0	399	16	1
3	5290	8.6	291	16	1
4	5290	7.8	284	17	1
5	5290	7.5	253	16	1
6	5290	6.4	376	17	1
7	5290	8.8	449	17	1
8	5290	8.5	455	17	1
9	5290	8.2	318	18	1
10	5290	8.8	325	17	1
11	5290	8.8	293	17	1
12	5290	6.3	311	16	1
13	5290	6.7	403	18	1
14	5290	6.2	482	16	1
15	5290	8.8	307	18	1
16	5290	9.0	366	17	1
17	5290	9.3	466	17	1
18	5290	6.1	387	16	1
19	5290	8.1	355	18	1
20	5290	9.5	258	18	1
21	5290	6.2	406	17	1
22	5290	9.9	353	17	1
23	5290	9.0	491	17	1
24	5290	8.0	486	17	1
25	5290	6.3	319	16	1
26	5290	7.1	403	16	1
27	5290	8.0	325	17	1
28	5290	9.9	282	18	1
29	5290	9.0	331	17	1
30	5290	9.3	259	17	1
	Det	ection Percentage	(%)		100%



Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq.	Pulse Width	PRI (us)	Pulses / Burst	1=Detection
	(MHz)	(us)			0=No Detection
1	5305	18.3	308	13	1
2	5305	12.3	444	16	1
3	5305	17.5	273	16	1
4	5305	13.8	396	16	1
5	5305	18.2	319	12	1
6	5305	16.8	496	16	1
7	5305	17.1	462	14	1
8	5305	11.2	495	16	1
9	5305	11.6	419	16	1
10	5305	17.3	438	15	1
11	5305	15.4	334	13	1
12	5305	13.5	416	16	1
13	5305	15.7	491	15	1
14	5305	17.0	266	15	1
15	5305	15.4	366	13	1
16	5305	17.5	369	15	1
17	5305	17.2	275	12	1
18	5305	12.7	262	16	1
19	5305	18.4	406	12	1
20	5305	13.3	344	13	1
21	5305	14.0	457	15	1
22	5305	15.5	443	15	1
23	5305	16.8	415	13	1
24	5305	14.5	429	15	1
25	5305	13.3	273	14	1
26	5305	19.6	394	14	1
27	5305	15.3	480	16	1
28	5305	15.4	303	14	1
29	5305	18.6	486	12	1
30	5305	18.9	262	13	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: $\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4} = (100\% + 100\% + 100\% + 100\%)/4 = 100\% (>80\%)$

FCC ID: 2ABLK-8X4G-1V2 Page Number: 100 of 122



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%	

Type 5 Radar Waveform_1										
weform l m of Bu urst Inte urst	rsts = 19 erval (us)= 6315 Off Time (us)	579 # 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
	496124	3	13	85	1977	1073	1092	496124	0	631578
	635941	2	18	65	1920	1884	0	1136207	631579	1263157
	189563	1	5	95	1990	0	0	1329574	1263158	1894736
	1111404	1	11	65	1564	0	0	2442968	1894737	2526315
	609520	2	11	60	1141	1378	0	3054052	2526316	3157894
	362442	2	15	55	1210	1908	0	3419013	3157895	3789473
	716527	1	19	70	1095	0	0	4138658	3789474	4421052
	806856	3	19	70	1811	1869	1308	4946609	4421053	5052631
	235414	2	9	90	1617	1686	0	5187011	5052632	5684210
э	944531	3	19	90	1244	1810	1198	6134845	5684211	6315789
1	220895	1	15	55	1856	0	0	6359992	6315790	6947368
2	828410	3	11	80	1679	1327	1936	7190258	6947369	7578947
3	638437	2	17	60	1886	1741	0	7833637	7578948	8210526
4	391173	2	10	95	1695	1735	0	8228437	8210527	8842105
5	1059438	1	13	55	1509	0	0	9291305	8842106	9473684
8	786384	3	14	65	1121	1963	1636	10079198	9473685	10105263
7	321619	1	15	80	1792	0	0	10405537	10105264	10736842
8	923599	1	16	85	1801	0	0	11330928	10736843	11368421
9	541471	2	11	80	1864	1144	0	11874200	11368422	12000000
tal numl	ber of pulses in	1 waveform = 3 *********		Hasila shasila shasila shasila shasila shasila shasil	ia aka aka aka aka aka aka aka aka aka a	+ :: + :				



				Type	5 Radar W	aveform_	2			
veform l										
m of Bur irst Inte	rsts = 11 erval (us)= 109:	0909								
ırst	Off Time (us) 751990	# 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(u
	1128391	1	13	80	1685	0	0	751990	0	1090908
	847508	3	13	85	1891	1051	1865	1882066	1090909	2181817
3		3	20	90	1534	1982	1059	2734381	2181818	3272726
	1273816	1	20	80	1896	0	0	4012772	3272727	4363635
	1290862	2	14	95	1867	1639	0	5305530	4363636	5454544
	347169	2	19	65	1800	1916	0	5656205	5454545	6545453
	1530413	3	13	100	1468	1247	1562	7190334	6545454	7636362
	1351334	3	19	60	1983	1756	1686	8545945	7636363	8727271
	825317	2	10	80	1846	1153	0	9376687	8727272	9818180
0	772070	2	8	60	1558	1029	0	10151756	9818181	10909089
	891765	2								
	ber of pulses in	n waveform = 2		100 *****	1536 ******	1155 **	0	11046108	10909090	11999998
							2			
				туре	5 Radar W	averorm_	_3			
eform N	sts = 11	1000								
st Inte st	erval (us)= 1090 Off Time	#	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 598860	Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (u
	681671	3	18	55	1040	1858	1685	598860	0	1090908
	984091	2	12	70	1575	1568	0	1285114	1090909	2181817
	1587838	2	8	80	1003	1002	0	2272348	2181818	3272726
	1522219	1	8	70	1698	0	0	3862191	3272727	4363635
		3	16	80	1209	1293	1050	5386108	4363636	5454544
	316900	1	8	80	1500	0	0	5706560	5454545	6545453
	1924899	2	19	80	1173	1481	0	7632959	6545454	7636362
	479978	1	8	75	1275	0	0	8115591	7636363	8727271
	1528875	1	18	55	1962	0	0	9645741	8727272	9818180
)	623685	2	11	60	1805	1297	0	10271388	9818181	10909089
	1381833	2	13	60	1097	1960	0	11656323	10909090	11999998
al numb	er of pulses in	waveform = 2	10		*****		v	11000020	10303030	11333330
				Tyne	5 Radar W	laveform	4			
eform N	Vum = 4			.,,,,	O Hadai II					
	Num = 4 rsts = 17 erval (us) = 7058	382	Chi-	₽₩	Post 1	Post 2	D.1 2	S++ 1	Store Broom	Ford Posses
rst	Off Time (us) 204080	Pulses	Chirp (MHz)	(us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us
	884268	1 2	13 12	50 85	1131 1360	0 1380	0	204080 1089479	0 705882	705881 1411763
	1014432	1	11	95	1595	0	0	2106651	1411764	2117645
	277561 574337	3	9	50	1603	1975	1111	2385807	2117646	2823527
	758428	1	17 9	60 65	1929 1290	0	0	2964833 3725190	2823528 3529 4 10	3529409 4235291
	562657	3	19	100	1290 1125	0 1175	0 1643	3725190 4289137	3529410 4235292	4235291 4941173
	1205541 413429	1	16	95	1043	0	0	5498621	4941174	5647055
	989107	3	17	90	1327	1958	1877	5913093	5647056	6352937
1	206826	1 2	17 7	90 100	1586 1317	0 1397	0	6907362 7115774	6352938 7058820	7058819 776 4 701
2	904364	3	13	70	1389	1412	1217	8022852	7764702	8470583
	825147 482724	2	9	95	1871	1063	0	8852017	8470584	9176465
		3	17	90	1401	1882	1233	9337675	9176466	9882347
3 4.	998885							10041070		10500000
	998885 651319 791356	3	12 15	75 95	1283 1708	1977 1424	1030 1090	10341076 10996685	98823 4 8 10588230	10588229 11294111



				Туре	5 Radar W	aveform_	5			
weform N										
m of Bur: rst Inte	rsts = 10 erval (us)= 1200	000								
ırst	Off Time (us) 844572	# 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(u
	605417	2	20	75	1562	1759	0	844572	0	1199999
		3	20	50	1022	1992	1041	1453310	1200000	2399999
	1810487	1	13	75	1433	0	0	3267852	2400000	3599999
	352061									4799999
	1472445	2	6	80	1849	1881	0	3621346	3600000	4799999
	1393480	1	18	65	1493	0	0	5097521	4800000	5999999
		3	19	95	1263	1074	1936	6492494	6000000	7199999
	1073522	3	15	55	1182	1726	1568	7570289	7200000	8399999
	1618150	1	9	60	1820	0	0	9192915	8400000	9599999
	1398921									
	512326	1	11	85	1837	0	0	10593656	9600000	10799999
)		3	15	85	1242	1203	1851	11107819	10800000	11999999
	er of pulses in			********		**				
				Туре	5 Radar W	aveform_	.6			
eform N	ium = 6									
est Inter	tum = 6 sts = 20 rva1 (us)= 60000 Off Time (us)	# .	Chirp (MHz)	PW (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst	End Burst Interval(us
	(us) 240579	Pulses 2	(MHz) 18	(us) 85	Pri(us) 1499	Pri (us) 1643	Pri(us) O	(us) 240579	Interval (us)	Interval (us 599999
	474382	2	10	100	1371	1265	0	718103	600000	1199999
	637968 851679	3	13	55	1971	1981	1893	1358707	1200000	1799999
	194836	3	15	85	1284	1677	1703	2216231	1800000	2399999
	625109	2	9 20	50 90	1389 1430	1308 1470	0 1065	2415731 3043537	2400000 3000000	2999999 3599999
	1104795	3	13	55	1190	1363	1676	4152297	3600000	4199999
	44 779 1037793	2	17	65	1837	1850	0	4201305	4200000	4799999
	448791	2	9	60	1643	1079	0	5242785	4800000	5399999
	611192	3	17 10	95 55	1126 1114	1856 1524	1103 0	5694298 6309575	5400000 6000000	5999999 6599999
	364918	1	10	80	1665	0	0	6677131	6600000	7199999
	701671	3	8	75	1163	1077	1574	7380467	7200000	7799999
	684419 756923	2	12	55	1745	1361	0	8068700	7800000	8399999
5	248595	1	14	60	1088	0	0	8828729	8400000	8999999
,	1054025	1 2	10	95	1274	0	0	9078412	9000000	9599999
3	241711	3	14 12	85 55	1103 1428	1082 1332	1349	10133711 10377607	9600000 10200000	10199999
,	421240	3	13	70	1583	1902	1095	10802956	10800000	11399999
al numbe	629965 er of pulses in	3 waveform = 4	10 6	50	1586	1243	1833	11437501	11400000	11999999
				Tyne	5 Radar W	aveform	7			
veform N	Vum = 7			1960	o Radai W	<u> </u>	·•			
m of Bur	rsts = 15 erval (us)= 8000	00								
	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(u
rst	580544	2	17	65	1114	1885	0	580544	0	799999
rst			14	70	1321	1373	0	1448859	800000	1599999
rst	865316	2			1244	1788	1896	1636086	1600000	2399999
rst	184533	3	19	90	1244					
	18 4 533 1112087		19 13	90 90	1244	0	0	2753101	2400000	3199999
	18 4 533 1112087 1239223	3				0	0	2753101 3993553	2400000 3200000	3199999 3999999
	18 4 533 1112087 1239223 207325	3 1	13	90	1229					
	184533 1112087 1239223 207325 968973	3 1 1	13 10	90 70	1229 1467	0	0	3993553	3200000	3999999
	184533 1112087 1239223 207325 968973 1053885	3 1 1 2	13 10 19	90 70 60	1229 1467 1861	0 1250	0	3993553 42023 4 5	3200000 4000000	3999999 4799999
	184533 1112087 1239223 207325 968973 1053885 459068	3 1 1 2 2	13 10 19 10	90 70 60 95	1229 1467 1861 1030	0 1250 1356	0 0 0	3993553 4202345 5174429	3200000 4000000 4800000	3999999 4799999 5599999
	184533 1112087 1239223 207325 968973 1053885 459068 1161609	3 1 1 2 2	13 10 19 10 20	90 70 60 95 65	1229 1467 1861 1030 1323	0 1250 1356 0	0 0 0	3993553 4202345 5174429 6230700	3200000 4000000 4800000 5600000	3999999 4799999 5599999 6399999
D.	184533 1112087 1239223 207325 968973 1053885 459068 1161609 916916	3 1 1 2 2 1	13 10 19 10 20	90 70 60 95 65 65	1229 1467 1861 1030 1323	0 1250 1356 0 1766	0 0 0 0	3993553 4202345 5174429 6230700 6691091	3200000 4000000 4800000 5600000	3999999 4799999 5599999 6399999 7199999
o 1	184533 1112087 1239223 207325 968973 1053885 459068 1161609 916916 242366	3 1 1 2 2 1 2	13 10 19 10 20 11	90 70 60 95 65 65 85	1229 1467 1861 1030 1323 1943 1766	0 1250 1356 0 1766 1100	0 0 0 0 0	3993553 4202345 5174429 6230700 6691091 7856409	3200000 4000000 4800000 5600000 6400000 7200000	3999999 4799999 5599999 6399999 71999999
0 1 2 3	184533 1112087 1239223 207325 968973 1053885 459068 1161609 916916 242366 615506	3 1 1 2 2 1 2 2 1	13 10 19 10 20 11 13	90 70 60 95 65 65 85 60	1229 1467 1861 1030 1323 1943 1766 1068	0 1250 1356 0 1766 1100	0 0 0 0 0	3993553 4202345 5174429 6230700 6691091 7856409 8776191	3200000 4000000 4800000 5600000 6400000 7200000	3999999 4799999 5599999 6399999 7199999 7999999
0 1 2	184533 1112087 1239223 207325 968973 1053885 459068 1161609 916916 242366	3 1 1 2 2 1 2 1 3	13 10 19 10 20 11 13 14	90 70 60 95 65 65 85 60	1229 1467 1861 1030 1323 1943 1766 1068 1633	0 1250 1356 0 1766 1100 0	0 0 0 0 0 0 0	3993553 4202345 5174429 6230700 6691091 7856409 8776191 9019625	3200000 4000000 4800000 5600000 6400000 7200000 8000000 88000000	399999 479999 5599999 6399999 7199999 7999999 8799999





				Туре	5 Radar W	aveform_	_8			
aveform l										
	rsts = 10 .erval (us)= 1200	0000								
jurst !	Off Time (us) 781431	# 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(u:
1		2	11	80	1545	1167	0	781431	0	1199999
2	965107	3	10	95	1622	1145	1977	1749250	1200000	2399999
3	1057674	2	13	100	1480	1724	0	2811668	2400000	3599999
1	1896304	2	18	65		1387	0	4711176		4799999
	708171				1014				3600000	
5	1662083	3	13	65	1064	1106	1536	5421748	4800000	5999999
	633575	3	5	70	1125	1492	1486	7087537	6000000	7199999
		2	5	75	1615	1610	0	7725215	7200000	8399999
	1017799	3	6	75	1939	1247	1071	8746239	8400000	9599999
	1656139	3	12	90	1561	1251	1261	10406635	9600000	10799999
0	1345681		9	100	1593	0	0	11756389	10800000	11999999
tal numl	ber of pulses in	1 n waveform = (*********	24				U	11130209	10800000	11999999
							0			
				туре	5 Radar W	averorm_	_9			
veform l m of Bu	Num = 9 rsts = 11 erval (us)= 1090	1909								
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
	993353		12	50	1098	0	0	993353	0	1090908
	99287	1								
	2114859	3	14	90	1039	1552	1777	1093738	1090909	2181817
	190307	1	10	50	1485	0	0	3212965	2181818	3272726
	1003981	3	15	75	1578	1285	1282	3404757	3272727	4363635
	1086745	2	6	95	1516	1177	0	4412883	4363636	5454544
	1702714	3	13	90	1806	1398	1490	5502321	5454545	6545453
		2	9	65	1122	1788	0	7209729	6545454	7636362
	593566	3	9	100	1911	1441	1481	7806205	7636363	8727271
	1263205	3	15	80	1030	1931	1520	9074243	8727272	9818180
)	1284092	3	6	90	1344	1563	1218	10362816	9818181	10909089
1	669413	2	12	60	1809	1643	0	11036354	10909090	11999998
tal numb	ber of pulses in ********	waveform = 2	:6				·			
				Type	5 Radar W	aveform	10			
eform l	Num = 10			1,700	o itaaai ii	<u> </u>				
m of Bur rst Inte	rsts = 17 erval (us)= 7058	82								
rst	Off Time (us) 100672	# 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(u
	1130990	1	15	70	1752	0	0	100672	0	705881
	819510	2	17 20	95 50	1371 1185	1153 0	0	1233414 2055448	705882 1411764	1411763 2117645
	508442	1	8	55	1598	0	0	2565075	2117646	2823527
	957709 582057	3	18	100	1690	1363	1612	3524382	2823528	3529409
	621566	2	17	90	1326	1509	o	4111104	3529410	4235291
	492516	3	8	80	1584	1277	1779	4735505	4235292	4941173
	520060	1	11 8	55 55	1508 1083	0	0	5232661 5754229	4941174 5647056	5647055 6352937
	829409	3	14	75	1558	1192	1710	6584721	6352938	7058819
0			7	75	1345	1983	o	7193872	7058820	7764701
	604691	2			1553	1743	0	8210200	7764702	8470583
o 1	1013000	2	17	65	1553					
0 1 2 3		2	11	60	1720	О	О	9103171	8470584	9176465
0 1 2 3 4	1013000 889675	2 1 1	11 14	60 65	1720 1841	0	0	9856423	8470584 9176466	9882347
0 1 2 3 4 5	1013000 889675 751532	2	11	60	1720	О	О		8470584	



				Type	5 Radar W	aveform_	11			
eform N										
st Inte	sts = 10 rva1 (us)= 1200	1000								
rst	Off Time (us) 210647	# 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(u
		3	19	50	1805	1613	1834	210647	0	1199999
	1347157	1	17	65	1813	0	0	1563056	1200000	2399999
	916251	2	19	95	1233	1890	0	2481120	2400000	3599999
	1422102	1	18	95	1308	0	0	3906345	3600000	4799999
	1576616									
	551163	2	14	65	1814	1612	0	5484269	4800000	5999999
	1849544	1	6	90	1075	0	0	6038858	6000000	7199999
		2	20	65	1354	1686	0	7889477	7200000	8399999
	866351	3	16	75	1597	1237	1460	8758868	8400000	9599999
	1344277	2	12	80	1265	1375	0	10107439	9600000	10799999
	1397862									
	er of pulses in			55	1753 *******	1498	1175	11507941	10800000	11999999
h-4-4-4-4-4-4-	***************************************					r-tr				
				Type	5 Radar Wa	aveform_	12			
of Bur	um = 12 sts = 15 rva1 (us)= 8000	100								
st mce.	Off Time	#	Chirp (MHz)	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 621395	Pulses		(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (us
	280142	3	13 11	70 90	1270 1566	1045 1914	1741 1431	621395 905593	0 800000	799999 1599999
	904008	2	15	65	1551	1264	0	1814512	1600000	2399999
	1062565	2	20	65	1756	1715	0	2879892	2400000	3199999
	722833	3	19	50	1430	1128	1932	3606196	3200000	3999999
	1177432	3	10	55	1697	1077	1897	4788118	4000000	4799999
	798197	3	10	55	1406	1504	1266	5590986	4800000	5599999
	743106 417784	1	6	100	1283	0	0	6338268	5600000	6399999
	746577	2	16	95	1806	1332	0	6757335	6400000	7199999
	1039542	1	6	90	1866	0	0	7507050	7200000	7999999
	324641	2	20	55	1004	1964	0	8548458	8000000	8799999
	1176031	2	14	95	1615	1541	0	8876067	8800000	9599999
	1088049	3	19	85	1883	1973	1478	10055254	9600000	10399999
	302405	2	18	95	1038	1797	0	11148637	10400000	11199999
1 numb	er of pulses ir	3 waveform = 3 ********	13 35 *******	50 ******	1987	1429	1492	11453877	11200000	11999999
				Type	5 Radar Wa	aveform	13			
eform N	um = 13			.,,,,,						
of Bur st Inte st	um = 13 sts = 20 rval (us)= 6000 Off Time (us)	000 # Pulses	Chirp	PW (VG)	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst Interval(u
	289392	3	16	70	1418	1998	1695	289392	0	599999
	671 4 55 397010	3	20	85	1881	1857	1936	965958	600000	1199999
	709977	1	20	70	1037	0	0	1368642	1200000	1799999
		3	8	50 60	1435 1159	1957 0	1102 0	2079656 2890612	1800000 2400000	2399999 2999999
	806462			90	1719	0	0	3557555	3000000	3599999
	806462 665784	1	14		1989	1609	0	3685602	3600000	4199999
	806462	1 2	11	60				4789471		4799999
	806462 665784 126328	1 2 2	11 17	75	1079	1311	0		4200000 4800000	5399999
	806462 665784 126328 1100271 501539 481960	1 2	11			1311 1005 1354	0	5293400 5777763	4800000 5400000	5399999 5999999
	806462 665784 126328 1100271 501539 481960 674054	1 2 2 2 2 2	11 17 6 18 6	75 95 95 65	1079 1398 1618 1768	1005 1354 0	o o o	5293400 5777763 6454789	4800000 5400000 6000000	5999999 6599999
	806462 665784 126328 1100271 501539 481960	1 2 2 2 2 2 1 3	11 17 6 18 6	75 95 95 65 50	1079 1398 1618 1768 1446	1005 1354 0 1680	0 0 0 1535	5293400 5777763 6454789 7040747	4800000 5400000 6000000	5999999 6599999 7199999
	806462 665784 126328 1100271 501539 481960 674054 584190 265889 823002	1 2 2 2 2 1 3	11 17 6 18 6	75 95 95 65 50 55	1079 1398 1618 1768 1446 1263	1005 1354 0 1680 1565	o o o	5293400 5777763 6454789 7040747 7311297	4800000 5400000 6000000 6600000 7200000	5999999 6599999 7199999 7799999
	806462 665784 126328 1100271 501539 481960 674054 584190 265889 823002 579181	1 2 2 2 2 2 1 3	11 17 6 18 6 8	75 95 95 65 50	1079 1398 1618 1768 1446	1005 1354 0 1680	0 0 0 1535	5293400 5777763 6454789 7040747	4800000 5400000 6000000	5999999 6599999 7199999
	806462 665784 126328 1100271 501539 481960 674054 584190 265889 823002 579181 427800	1 2 2 2 2 1 3 2 2 2	11 17 6 18 6 8 5 10 7	75 95 95 65 50 55 50 100	1079 1398 1618 1768 1446 1263 1335 1354	1005 1354 0 1680 1565 1327 1860	0 0 0 1535 0 1832 0	5293400 5777763 6454789 7040747 7311297 8137127 8720802 9151816	4800000 5400000 6000000 7200000 7800000 8400000	599999 659999 719999 779999 839999 899999
	806462 665784 126328 1100271 501539 481960 674054 584190 265889 823002 579181	1 2 2 2 2 1 3 2 3 2 3 2 3	11 17 6 18 6 8 5 10 7 5	75 95 95 65 50 55 50 100 80	1079 1398 1618 1768 1446 1263 1335 1354 1469	1005 1354 0 1680 1565 1327 1860 1630	0 0 0 1535 0 1832 0 0	5293400 5777763 6454789 7040747 7311297 8137127 8720802 9151816 9710101	4800000 5400000 6000000 7200000 7800000 8400000 9600000	599999 659999 719999 779999 839999 899999 959999
	806462 665784 126328 1100271 501539 481960 674054 584190 265889 823002 579181 427800 555186	1 2 2 2 2 1 3 2 2 2	11 17 6 18 6 8 5 10 7	75 95 95 65 50 55 50 100	1079 1398 1618 1768 1446 1263 1335 1354	1005 1354 0 1680 1565 1327 1860	0 0 0 1535 0 1832 0	5293400 5777763 6454789 7040747 7311297 8137127 8720802 9151816	4800000 5400000 6000000 7200000 7800000 8400000	599999 659999 719999 779999 839999 899999



				Type	5 Radar Wa	aveform_	14			
aveform Num	n = 14									
m of Burst urst Interv urst	n = 14 ts = 19 va1 (us) = 6315 Off Time (us) 601751	79	Chirp (MHz)	₽₩	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Loc (us)	Start Burst	End Burst Interval(u
1	(us) 601751	Pulses 3	(MHz)	(us) 50	Pri (us) 1781	Pri (us) 1961	Pri (us) 1776	(us) 601751	Interval (us)	Interval (u: 631578
2	604870	2	5	80	1864	1322	1776	1212139	631579	1263157
3	588302	2	16	100	1092	1385	0	1803627	1263158	1894736
1	534923	1	12	95	1741	0	О	2341027	1894737	2526315
5	612337 225664	2	15	65	1350	1373	0	2955105	2526316	3157894
,	808033	1	16	95	1656	0	0	3183492	3157895	3789473
	983664	3	20	80	1229	1904	1893	3993181	3789474	4421052
	114088	2	11	80	1994	1476	0	4981871	4421053	5052631
0	925961	3	18 15	90 65	1682 1474	0 1094	1674	5099 4 29 6027072	5052632 5684211	5684210 6315789
1	538476	1	12	80	1417	0	0	6569790	6315790	6947368
2	829839	1	12	85	1600	0	0	7401046	6947369	7578947
3	277281	2	12	80	1791	1361	o	7679927	7578948	8210526
1	530077 1200664	2	7	55	1432	1904	0	8213156	8210527	8842105
5	140776	3	17	80	1500	1582	1204	9417156	8842106	9473684
5	853958	2	11	95	1179	1500	0	9562218	9473685	10105263
7	614589	2	13	55	1793	1249	0	10418855	10105264	10736842
3	482135	3	17 11	75 50	1318 1121	0 1628	0 1831	11036486 11519939	10736843 11368422	11368421 12000000
	of pulses in	waveform = 3	7 **********		**************************************	1020	1031	11012233	11300422	12500000
				Type	5 Radar Wa	aveform	15			
				туре	J Itauai VV	aveioiiii_	13			
veform Num m of Burst		222								
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
	1087457	1	8	100	1636	0	0	1087457	0	1333332
	1418994	0	1.4	FF	1507	1077	٥	0500007	100000	
	520029	2	14	55	1587	1077	0	2508087	1333333	2666665
		1	11	90	1858	0	0	3030780	2666666	3999998
	1182246		1.4	05	1000	1000	^	401 400 4	2000000	E000001
	1427717	2	14	85	1026	1966	0	4214884	3999999	5333331
		3	5	90	1488	1872	1446	5645593	5333332	6666664
	1299190	1	7	50	1596	0	0	6949589	6666665	7999997
	1718238	1	1	50	1920	v	v	0342002	0000000	1000001
		2	16	75	1682	1863	0	8669423	7999998	9333330
	1813058	3	14	80	1227	1179	1566	10/10/6006	9333331	10666669
	1171662	٥	14	٥٧	1771	111.2	1900	10486026	2000991	10666663
ral number	of pulses in	1 waveform = 1	6 6	65	1710	0	0	11661660	10666664	11999996
*******	* OI puises in	**********	****			lok				
				Type	5 Radar Wa	aveform_	16			
m of Burs rst Inter		000								
m of Burs rst Inter	ts = 10 val (us)= 1200 Off Time (us)	000 # 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(u
m of Burs rst Inter rst	ts = 10 va1 (us)= 1200 Off Time	# Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (u
m of Burs rst Inter rst	ts = 10 va1 (us)= 1200 Off Time (us) 130679	#	Chirp (MHz) 19			Pulse 2 Pri(us) 1081			Start Burst Interval(us)	End Burst Interval (us 1199999
m of Burs rst Inter rst	ts = 10 val (us) = 1200 Off Time (us) 130679 1985940	# Pulses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval (u
m of Burs rst Inter rst	ts = 10 va1 (us)= 1200 Off Time (us) 130679	# Pulses 2 3	(MHz) 19 16	(us) 55 70	Pri (us) 1559 1075	Pri (us) 1081 1955	Pri (us) 0 1597	(us) 130679 2119259	Interval (us) 0 1200000	Interval (u: 1199999 2399999
m of Burs rst Inter rst	ts = 10 val (us) = 1200 Off Time (us) 130679 1985940	# Pulses 2 3	(MHz) 19 16 17	(us) 55 70 70	Pri(us) 1559 1075 1115	Pri (us) 1081 1955 0	Pri (us) 0 1597 0	(us) 130679 2119259 2758293	Interval (us) 0 1200000 2400000	Interval (us 1199999 2399999 3599999
m of Burs rst Inter rst	ts = 10 val (us) = 1200 Off Time (us) 130679 1985940 634407 1425080	# Pulses 2 3	(MHz) 19 16	(us) 55 70	Pri (us) 1559 1075	Pri (us) 1081 1955	Pri (us) 0 1597	(us) 130679 2119259	Interval (us) 0 1200000	Interval (u: 1199999 2399999
m of Burs rst Inter rst	ts = 10 val (us) = 1200 Off Time (us) 130679 1985940 634407 1425080 848475	# Pulses 2 3	(MHz) 19 16 17	(us) 55 70 70	Pri(us) 1559 1075 1115	Pri (us) 1081 1955 0	Pri (us) 0 1597 0	(us) 130679 2119259 2758293	Interval (us) 0 1200000 2400000	Interval (u: 1199999 2399999 3599999
m of Burs rst Inter	ts = 10 val (us) = 1200 Off Time (us) 130679 1985940 634407 1425080	# Pulses 2 3 1 3	(MHz) 19 16 17 19 5	(us) 55 70 70 55 75	Pri (us) 1559 1075 1115 1469 1774	Pri (us) 1081 1955 0 1630	Pri (us) 0 1597 0 1756	(us) 130679 2119259 2758293 4184488 5037818	Interval (us) 0 1200000 2400000 3600000 4800000	Interval (u: 1199999 2399999 3599999 4799999 5999999
m of Burs rst Inter	ts = 10 val (us) = 1200 Off Time (us) 130679 1985940 634407 1425080 848475 1246239	# Pulses 2 3 1	(MHz) 19 16 17	(us) 55 70 70 55	Pri (us) 1559 1075 1115 1469	Pri (us) 1081 1955 0 1630	Pri(us) 0 1597 0 1756	(us) 130679 2119259 2758293 4184488	Interval (us) 0 1200000 2400000 3600000	Interval (u: 1199999 2399999 3599999 4799999
m of Burs rst Inter rst	ts = 10 val (us) = 1200 Off Time (us) 130679 1985940 634407 1425080 848475 1246239 1065709	# Pulses 2 3 1 3	(MHz) 19 16 17 19 5	(us) 55 70 70 55 75	Pri (us) 1559 1075 1115 1469 1774	Pri (us) 1081 1955 0 1630	Pri (us) 0 1597 0 1756	(us) 130679 2119259 2758293 4184488 5037818	Interval (us) 0 1200000 2400000 3600000 4800000	Interval (u: 1199999 2399999 3599999 4799999 5999999
m of Burs rst Inter rst	ts = 10 val (us) = 1200 Off Time (us) 130679 1985940 634407 1425080 848475 1246239	# Pulses 2 3 1 2 1 1	(MHz) 19 16 17 19 5 20	(us) 55 70 70 55 75 80 60	Pri (us) 1559 1075 1115 1469 1774 1943 1314	Pri (us) 1081 1955 0 1630 0 1631	Pri (us) 0 1597 0 1756 0 0	(us) 130679 2119259 2758293 4184488 5037818 6285831 7355114	Interval (us) 0 1200000 2400000 3600000 4800000 60000000 72000000	Interval (u 1199999 2399999 3599999 4799999 5999999 7199999 8399999
m of Burs rrst Inter rrst	ts = 10 val (us) = 1200 Off Time (us) 130679 1985940 634407 1425080 848475 1246239 1065709	# Pulses 2 3 1 3 1 2 1	(MHz) 19 16 17 19 5 20 12	(us) 55 70 70 55 75 80 60 75	Pri (us) 1559 1075 1115 1469 1774 1943 1314 1474	Pri (us) 1081 1955 0 1630 0 1631 0	Pri (us) 0 1597 0 1756 0 0 0	(us) 130679 2119259 2758293 4184488 5037818 6285831 7355114 9566158	Interval (us) 0 1200000 2400000 3600000 4800000 6000000 72000000 8400000	Interval (u 1199999 2399999 3599999 4799999 5999999 7199999 8399999
weform Mum of Burs' rst Inter	ts = 10 val (us) = 1200 Off Time (us) 130679 1985940 634407 1425080 848475 1246239 1065709 2209730	# Pulses 2 3 1 2 1 1	(MHz) 19 16 17 19 5 20	(us) 55 70 70 55 75 80 60	Pri (us) 1559 1075 1115 1469 1774 1943 1314	Pri (us) 1081 1955 0 1630 0 1631	Pri (us) 0 1597 0 1756 0 0	(us) 130679 2119259 2758293 4184488 5037818 6285831 7355114	Interval (us) 0 1200000 2400000 3600000 4800000 60000000 72000000	Interval (u: 1199999 2399999 3599999 4799999 5999999 7199999 8399999



				Туре	5 Radar W	aveform_	17			
aveform N um of Bur urst Inte	Wum = 17 rsts = 13 erva1 (us)= 9230	77								
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	370991	3	20	75	1092	1213	1144	370991	0	923076
2	941341	2	8	55	1573	1247	0		923077	
	1171576							1315781		1846153
	331139	3	5	100	1276	1716	1164	2490177	1846154	2769230
	1585604	3	15	70	1271	1667	1063	2825472	2769231	3692307
		3	11	65	1589	1775	1375	4415077	3692308	4615384
	248180	3	20	55	1680	1807	1416	4667996	4615385	5538461
	1609993	2	11	65	1386	1735	0	6282892	5538462	6461538
	863698	2	14	95	1553	1974	0	7149711	6461539	7384615
	1118592									
	130171	1	11	90	1487	0	0	8271830	7384616	8307692
)	1469372	1	9	95	1180	0	0	8403488	8307693	9230769
1		2	14	95	1507	1051	0	9874040	9230770	10153846
2	696864	2	9	55	1273	1755	0	10573462	10153847	11076923
3	936069	1	10	90	1132	0	0	11512559	11076924	12000000
tal numb	er of pulses ir	waveform = 2 ********	28			**				
				Туре	5 Radar W	aveform_	18			
eform N	Num = 18 sts = 17 rva1 (us)= 7058	82								
rst	Off Time	#	Chirp (MHz)	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us) 477898	Pulses		(us)	Pri (us)	Pri(us)	Pri(us)	(us)	Interval (us)	Interval(us)
	654457	3	18	60	1129	1129	1256	477898	0	705881
	940239	2	18	85	1093	1217	0	1135869	705882	1411763
	424246	1	20	100	1760	0	0	2078418	1411764	2117645
	675416	2	11 7	70 85	1253 1494	1331 0	0	2504424 3182424	2117646 2823528	2823527 3529409
	827386	1	7	90	1250	0	0	4011304	2823528 3529 4 10	4235291
	768337	3	17	90 85	1353	1485	1728	4780891	4235292	4941173
	704709	1	9	75	1607	0	0	5490166	4941174	5647055
	763211	3	18	55	1308	1087	1267	6254984	5647056	6352937
	250911	2	5	65	1531	1772	0	6509557	6352938	7058819
	751648	3	5	75	1776	1240	1582	7264508	7058820	7764701
	585293	1	6	65	1254	0	0	7854399	7764702	8470583
	782052	3	17	95	1307	1315	1103	8637705	8470584	9176465
	1133952	2	5	50	1361	1745	0	9775382	9176466	9882347
;	737034	2	19	55	1003	1085	0	10515522	9882348	10588229
5	589588	2	7	75	1180	1493	0	11107198	10588230	11294111
al numb	197616 er of pulses in	1 waveform = 3	12	50	1204	0	0	11307487	11294112	11999993
**************	raje nje nje nje nje nje nje nje nje nje n									
				Туре	5 Radar W	aveform_	19			
eform h a of Bur st Inte	Num = 19 rsts = 18 erval (us)= 6666 Off Time (us) 433227	67 #	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
-	(us) 433227	Pulses	(MHz)	(us)	Pri(us)	Pri (us)	Pri(us)	(us)	Interval(us)	Interval (us
	337961	3	7	80	1528	1955	1585	433227	0	666666
	698933	2	20	95	1759	1357	0	776256	666667	1333333
	1073457	2	14 6	70 80	1486 1219	1819 1998	0 1917	1478305 2555067	1333334 2000001	2000000 2666667
	483506	3	5	70	1992	1956	1535	3043707	2666668	3333334
	475528	2	19	95	1577	1213	0	3524718	3333335	4000001
	850065	1	5	95	1764	0	0	4377573	4000002	4666668
	429490	3	11	70	1591	1544	1232	4808827	4666669	5333335
	1056415	1	10	80	1474	0	0	5869609	5333336	6000002
)	488328	3	11	80	1919	1670	1281	6359411	6000003	6666669
L	671561 411056	2	5	95	1956	1079	o	7035842	6666670	7333336
2	411056 865061	1	15	85	1994	0	0	7449933	7333337	8000003
3	826956	1	10	55	1702	0	0	8316988	8000004	8666670
L	395686	1	20	90	1176	0	0	9145646	8666671	9333337
	923913	3	8	95	1348	1682	1091	9542508	9333338	10000004
5		1	20	95	1404	0	0	10470542	10000005	10666671
3	215466									
		2	12 16	55 55	1081 1354	1550 1898	0	10687 4 12 11581830	10666672 11333339	11333338 12000005



				Type	5 Radar Wa	aveform_	20			
aveform Num	n = 20 s = 20 val (us) = 6000 Off Time (us)									
urst Interv urst	a1 (us) = 6000 Off Time	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
1	(us) 278757	Pulses 1	(MHz) 18	(us) 100	Pri (us) 1348	Pri(us)	Pri(us)	(us) 278757	Interval(us)	Interval (us 599999
2	891920	2	17	95	1348	1712	0	1172025	600000	1199999
	176127	3	10	75	1930	1859	1045	1351138	1200000	1799999
	798638	1	13	65	1801	0	0	2154610	1800000	2399999
	316630	3	13	85	1750	1464	1785	2473041	2400000	2999999
	771418 377279	1	7	65	1756	0	0	3249458	3000000	3599999
	954296	1	15	50	1313	О	0	3628493	3600000	4199999
	752058	3	13	95	1121	1043	1651	4584102	4200000	4799999
	635605	2	10	80	1667	1151	0	5339975	4800000	5399999
D .	306677	3	5	50	1387	1679	1133	5978398	5400000	5999999
1	464203	1	13	55	1460	0	0	6289274	6000000	6599999
2	919327	1	13	55	1981	0	0	6754937	6600000	7199999
3 1 .	450291	1 2	19 20	100 70	1730 1628	0 1395	0	76762 4 5 8128266	7200000 7800000	7799999 8399999
5	290246	2	18	85	1925	1514	0	8421535	8400000	8999999
8	756359	3	5	75	1235	1574	1757	9181333	9000000	9599999
7	768440	1	13	75	1121	0	0	9954339	9600000	10199999
8	382911	3	5	75	1791	1118	1243	10338371	10200000	10799999
9	853032	1	6	80	1298	0	0	11195555	10800000	11399999
0	759310	2	16	80	1075	1368	0	11956163	11400000	11999999
tal number	of pulses in	waveform = 3	S. C. India dende dendende dende dende dende dende			+:+:				
				Туре	5 Radar W	aveform_	21			
veform Num n of Burst:	s = 13									
rst Interv: rst	a1 (us)= 9230 Off Time	77	Chirp	₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc	Start Burst	End Burst
	(us)	Pu1ses	(MHz)	(us)	Pri(us)	Pri(us)	Pri(us)	(us)	Interval(us)	Interval (us
	615573	3	7	55	1797	1689	1574	615573	0	923076
	484131									
	947713	3	5	85	1377	1022	1664	1104764	923077	1846153
	903972	2	17	95	1513	1318	0	2056540	1846154	2769230
		2	5	95	1514	1383	0	2963343	2769231	3692307
	1583366	3	8	55	1379	1002	1081	4549606	3692308	4615384
	670467									
	855485	1	18	100	1463	0	0	5223535	4615385	5538461
	1261405	1	19	85	1862	0	0	6080483	5538462	6461538
		3	6	55	1109	1411	1996	7343750	6461539	7384615
	264281	2	5	65	1405	1686	0	7612547	7384616	8307692
	1322665									
)	1110398	1	8	95	1510	0	0	8938303	8307693	9230769
L		3	13	50	1139	1185	1699	10050211	9230770	10153846
2	118549	1	13	75	1884	0	0	10172783	10153847	11076923
	1225621									
3 :al number :*******	of pulses in	1 . waveform = 2 ******	6 6 ******	65 ******	1510 *****	0	0	11400288	11076924	12000000
							00			
				Туре	5 Radar W	avetorm_	22			
	. = 22 s = 11	909								
n of Burst:				₽₩	Pulse 1	Pulse 2	Pulse 3	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(us
of Burst: st Interv	al (us)= 1090 Off Time (us)	# Pulses	Chirp (MHz)	(us)	Pri(us)	Pri(us)	Pri(us)			
n of Burst: rst Interv	a1 (us)= 1090 Off Time	# Pulses	(MHz)	(us)	Pri(us)	Pri(us)				
of Burst: st Interv	a1 (us)= 1090 Off Time (us)	#	Chirp (MHz) 20		Pri(us) 1097	Pri(us) O	Pri(us) O	429467	0	1090908
n of Burst: rst Interv	a1 (us)= 1090 Off Time (us) 429467 1654030	# Pulses	(MHz)	(us)	Pri(us)	Pri(us)				
of Burst: st Interv	a1 (us)= 1090 Off Time (us) 429467	# Pulses 1 2	(MHz) 20 14	(us) 95 80	Pri (us) 1097 1181	Pri(us) 0 1932	0	429467 2084594	0 1090909	1090908 2181817
of Burst: st Interv	a1 (us)= 1090 Off Time (us) 429467 1654030	# Pulses 1 2 3	(MHz) 20	(us) 95 80 50	Pri (us) 1097 1181 1925	Pri(us) 0 1932 1885	0 0 1877	429467 2084594 2422145	0 1090909 2181818	1090908
of Burst: st Interv	a1 (us)= 1090 Off Time (us) 429467 1654030 334438 1820227	# Pulses 1 2	(MHz) 20 14	(us) 95 80	Pri (us) 1097 1181	Pri(us) 0 1932	0	429467 2084594	0 1090909	1090908 2181817
of Burst: st Interv	al (us)= 1090 Off Time (us) 429467 1654030 334438	# Pulses 1 2 3	(MHz) 20 14 17 14	(us) 95 80 50 70	Pri (us) 1097 1181 1925 1843	Pri(us) 0 1932 1885 1305	0 0 1877 0	429467 2084594 2422145 4248059	0 1090909 2181818 3272727	1090908 2181817 3272726 4363635
of Burst: st Interv	a1 (us)= 1090 Off Time (us) 429467 1654030 334438 1820227	#Pulses 1 2 3 2	(MHz) 20 14 17 14	(us) 95 80 50 70 75	Pri(us) 1097 1181 1925 1843 1746	Pri (us) 0 1932 1885 1305 1876	0 0 1877 0 1225	429467 2084594 2422145 4248059 4519499	0 1090909 2181818 3272727 4363636	1090908 2181817 3272726 4363635 5454544
of Burst: st Interv	a1 (us)= 1090 Off Time (us) 429467 1654030 334438 1820227 268292 1081577	# Pulses 1 2 3	(MHz) 20 14 17 14	(us) 95 80 50 70	Pri (us) 1097 1181 1925 1843	Pri(us) 0 1932 1885 1305	0 0 1877 0	429467 2084594 2422145 4248059	0 1090909 2181818 3272727	1090908 2181817 3272726 4363635
of Burst: st Interv	a1 (us)= 1090 Off Time (us) 429467 1654030 334438 1820227 268292	# Pulses 1 2 3 2 3 3	(MHz) 20 14 17 14 14 15	(us) 95 80 50 70 75	Pri (us) 1097 1181 1925 1843 1746 1523	Pri (us) 0 1932 1885 1305 1876	0 0 1877 0 1225 1106	429467 2084594 2422145 4248059 4519499 5605923	0 1090909 2181818 3272727 4363636 5454545	1090908 2181817 3272726 4363635 5454544 6545453
n of Burst: rst Interv	a1 (us)= 1090 Off Time (us) 429467 1654030 334438 1820227 268292 1081577	#Pulses 1 2 3 2 3 1	(MHz) 20 14 17 14 14 15	(us) 95 80 50 70 75 60	Pri (us) 1097 1181 1925 1843 1746 1523 1944	Pri(us) 0 1932 1885 1305 1876 1991	0 0 1877 0 1225 1106	429467 2084594 2422145 4248059 4519499 5605923 6615968	0 1090909 2181818 3272727 4363636 5454545 6545454	1090908 2181817 3272726 4363635 5454544 6545453 7636362
n of Burst: rst Interv	al (us) = 1090 Off Time (us) 429467 1654030 334438 1820227 268292 1081577 1005425 1079531	# Pulses 1 2 3 2 3 3	(MHz) 20 14 17 14 14 15	(us) 95 80 50 70 75	Pri (us) 1097 1181 1925 1843 1746 1523	Pri (us) 0 1932 1885 1305 1876	0 0 1877 0 1225 1106	429467 2084594 2422145 4248059 4519499 5605923	0 1090909 2181818 3272727 4363636 5454545	1090908 2181817 3272726 4363635 5454544 6545453
n of Burst: rst Interv	al (us) = 1090 Off Time (us) 429467 1654030 334438 1820227 268292 1081577 1005425 1079531 1147030	#Pulses 1 2 3 2 3 1	(MHz) 20 14 17 14 14 15	(us) 95 80 50 70 75 60	Pri (us) 1097 1181 1925 1843 1746 1523 1944	Pri(us) 0 1932 1885 1305 1876 1991	0 0 1877 0 1225 1106	429467 2084594 2422145 4248059 4519499 5605923 6615968	0 1090909 2181818 3272727 4363636 5454545 6545454	1090908 2181817 3272726 4363635 5454544 6545453 7636362
n of Bursts sst Interva rst	al (us) = 1090 Off Time (us) 429467 1654030 334438 1820227 268292 1081577 1005425 1079531	# Pulses 1 2 3 2 3 1 3 1 3 1	(MHz) 20 14 17 14 14 15 13 14	(us) 95 80 50 70 75 60 50 80	Pri (us) 1097 1181 1925 1843 1746 1523 1944 1560 1252	Pri(us) 0 1932 1885 1305 1876 1991 0 1941 1237	0 0 1877 0 1225 1106 0 1821 1626	429467 2084594 2422145 4248059 4519499 5605923 6615968 7697443 8849795	0 1090909 2181818 3272727 4363636 5454545 6545454 7636363 8727272	1090908 2181817 3272726 4363635 5454544 6545453 7636362 8727271 9818180
veform Num n of Burstr rst Interv	al (us) = 1090 Off Time (us) 429467 1654030 334438 1820227 268292 1081577 1005425 1079531 1147030	# Pulses 1 2 3 2 3 1 3 1	(MHz) 20 14 17 14 14 15 13	(us) 95 80 50 70 75 60 50	Pri (us) 1097 1181 1925 1843 1746 1523 1944 1560	Pri (us) 0 1932 1885 1305 1876 1991 0 1941	0 0 1877 0 1225 1106 0	429467 2084594 2422145 4248059 4519499 5605923 6615968 7697443	0 1090909 2181818 3272727 4363636 5454545 6545454 7636363	1090908 2181817 3272726 4363635 5454544 6545453 7636362 8727271



				Туре	5 Radar W	aveform_	23			
veform Nu	ım = 23									
m of burs rst Inter rst	m = 23 tts = 19 val (us)= 6315 Off Time (us) 85157	79	Chirp (MHz)	₽₩	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3	Start Loc	Start Burst	End Burst
	85157	Pulses 2	(MHz)	(us) 70	Pri(us) 1339	Pri (us) 1512	Pri(us)	(us) 85157	Interval (us)	Interval (us) 631578
	579979	3	13	90	1328	1670	1664	667987	631579	1263157
	944753	2	14	75	1129	1869	0	1617402	1263158	1894736
	556890	3	19	65	1861	1273	1432	2177290	1894737	2526315
	868485 396781	3	12	80	1801	1169	1660	3050341	2526316	3157894
	429428	1	6	55	1136	0	0	3451752	3157895	3789473
	674872	1	7	60	1557	0	0	3882316	3789474	4421052
	1072121	3	10	50	1084	1652	1654	4558745	4421053	5052631
	602318	3	16	80	1040	1229	1638	5635256	5052632	5684210
	588988	1 2	19 20	70 50	1322	0 1496	0	6241481	568 4 211 6315790	6315789
	511376	1	17	95	1037 1282	0	0	6831791 7345700	6947369	6947368 7578947
3	278945	1	16	90	1939	0	0	7625927	7578948	8210526
	1068893	3	11	85	1434	1577	1767	8696759	8210527	8842105
;	282351	3	5	50	1645	1535	1432	8983888	8842106	9473684
i .	770373	3	17	85	1975	1442	1585	9758873	9473685	10105263
•	952767 219507	1	15	50	1051	0	0	10716642	10105264	10736842
	965503	2	14	55	1473	1863	0	10937200	10736843	11368421
al numbe	or of pulses in	waveform = 3	19 39	80	1918	0	0	11906039	11368422	12000000
enerenenenenene		**********				+				
				Туре	5 Radar W	aveform_	24			
veform Nu m of Burs	sts = 9									
rst Inter	rva1 (us)= 1333	3333								
rst	Off Time (us) 593147	# 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(u
	1781960	2	20	70	1039	1618	0	593147	0	1333332
	331919	1	10	100	1491	0	0	2377764	1333333	2666665
		3	16	100	1997	1791	1851	2711174	2666666	3999998
	1912279	2	5	75	1228	1851	0	4629092	3999999	5333331
	1095185	2	5	60	1912	1417	0	5727356	5333332	6666664
	1070379	2	20	100	1591	1827	0	6801064	6666665	7999997
	2302032	3	20				1915			
	626115		20	85	1881	1819	1915	9106514	7999998	9333330
	1319137	2	20	75	1396	1283	0	9738244	9333331	10666663
		3	8	65	1087	1987	1744	11060060	10666664	11999996
tal numbe	er of pulses in	1 waveform = 1 *******	20 ********			**				
				Туре	5 Radar W	aveform_	25			
veform Nu	sts = 14									
u of Burs	rval (us)= 857: 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
m of Burs rst Inter rst	131264	3	14	55	1750	1234	1916	131264	0	857142
rst Inter	101201		9	85	1029	1415	0	1173801	857143	1714285
rst Inter	1037637	2	9							
st Inter		2	0		1516	1178	0	2386832	1714286	2571428
st Inter	1037637	2	9	50			0	2876529	2571429	3428571
rst Inter	1037637 1210587	2	18	95	1735	0				
rst Inter	1037637 1210587 487003 965579	2				0	0	3843843	3428572	4285714
rst Inter	1037637 1210587 487003 965579 1205084	2	18	95	1735					4285714 5142857
rst Inter	1037637 1210587 487003 965579 1205084 711188	2 1 1	18 10	95 90	1735 1085	0	0	3843843	3428572	
rst Inter	1037637 1210587 487003 965579 1205084 711188 1044233	2 1 1 3	18 10 14	95 90 90	1735 1085 1616	0 1267	0 1356	38 4 38 4 3 5050012	3428572 4285715	5142857
rst Inter	1037637 1210587 487003 965579 1205084 711188 1044233 259926	2 1 1 3	18 10 14 16 7	95 90 90 100	1735 1085 1616 1193	0 1267 0	0 1356 0	3843843 5050012 5765439 6810865	3428572 4285715 5142858 6000001	5142857 6000000 6857143
rst Inter	1037637 1210587 487003 965579 1205084 711188 1044233	2 1 1 3 1 1	18 10 14 16 7 15	95 90 90 100 100	1735 1085 1616 1193 1859 1150	0 1267 0 0 1859	0 1356 0 0 19 4 3	3843843 5050012 5765439 6810865 7072650	3428572 4285715 5142858 6000001 6857144	5142857 6000000 6857143 7714286
rst Inter rst	1037637 1210587 487003 965579 1205084 711188 1044233 259926	2 1 1 3 1 1 3	18 10 14 16 7 15	95 90 90 100 100 100	1735 1085 1616 1193 1859 1150	0 1267 0 0 1859	0 1356 0 0 1943	3843843 5050012 5765439 6810865 7072650 7929508	3428572 4285715 5142858 6000001 6857144 7714287	5142857 6000000 6857143 7714286 8571429
rst Inter rst 0	1037637 1210587 487003 965579 1205084 711188 1044233 259926 851906	2 1 1 3 1 1 3 1 2	18 10 14 16 7 15 5	95 90 90 100 100 100 85	1735 1085 1616 1193 1859 1150 1125	0 1267 0 0 1859 0	0 1356 0 0 1943 0	3843843 5050012 5765439 6810865 7072650 7929508 8576510	3428572 4285715 5142858 6000001 6857144 7714287 8571430	5142857 6000000 6857143 7714286 8571429 9428572
rst Inter rst	1037637 1210587 487003 965579 1205084 711188 1044233 259926 851906 645877	2 1 1 3 1 1 3 1 2 3	18 10 14 16 7 15 5 12	95 90 90 100 100 100 85 50	1735 1085 1616 1193 1859 1150 1125 1049	0 1267 0 0 1859 0 1290	0 1356 0 0 1943 0 0	3843843 5050012 5765439 6810865 7072650 7929508 8576510 9669092	3428572 4285715 5142858 6000001 6857144 7714287 8571430 9428573	5142857 6000000 6857143 7714286 8571429 9428572 10285715
rst Inter rst 0	1037637 1210587 487003 965579 1205084 711188 1044233 259926 851906 645877 1090243	2 1 1 3 1 1 3 1 2	18 10 14 16 7 15 5	95 90 90 100 100 100 85	1735 1085 1616 1193 1859 1150 1125	0 1267 0 0 1859 0	0 1356 0 0 1943 0	3843843 5050012 5765439 6810865 7072650 7929508 8576510	3428572 4285715 5142858 6000001 6857144 7714287 8571430	5142857 6000000 6857143 7714286 8571429 9428572



				Type	5 Radar W	aveform_	26			
veform N	ium = 26									
m of Bur	sts = 10 rva1 (us)= 1200	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(u
	542952	1	19	100	1811	0	0	542952	0	1199999
	1621500	3	20	80	1553	1657	1277	2166263	1200000	2399999
	790204	2					0			3599999
	920885		11	95	1831	1969		2960954	2400000	
	925614	1	15	90	1312	0	0	3885639	3600000	4799999
	2005372	3	6	90	1780	1568	1397	4812565	4800000	5999999
	392944	3	16	75	1228	1826	1866	6822682	6000000	7199999
	1947625	1	9	90	1334	0	0	7220546	7200000	8399999
		1	16	80	1018	0	0	9169505	8400000	9599999
	946888	2	14	75	1899	1633	0	10117411	9600000	10799999
	1552137	3	17	55	1842	1818	1715	11673080	10800000	11999999
al numb *****	er of pulses in ******	waveform = 2 *******	0 ******			**				
				Type	5 Radar W	aveform	27			
				Турс	o itadai 11		_ '			
un of Bu	Num = 27 rsts = 13 erva1 (us)= 9230	077								
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)
	253741	2	13	55	1429	1279	0	253741	0	923076
	1410988	2	20	95	1060	1223	0	1667437	923077	1846153
	532082	1	19	60	1096	0	0	2201802	1846154	2769230
	995900	2	12	95	1052	1094	0	3198798	2769231	3692307
	857531	3	15	100	1030	1767	1002	4058475	3692308	4615384
	563681 1225917	2	18	95	1757	1562	0	4625955	4615385	5538461
	1330178	1	8	50	1265	0	0	5855191	5538462	6461538
	453332	2	19	75	1457	1017	0	7186634	6461539	7384615
	1290356	1	16	95	1630	0	0	7642440	7384616	8307692
0	787878	1	7	75	1455	0	0	8934426	8307693	9230769
1	1097981	3	9	100	1650	1983	1260	9723759	9230770	10153846
2	908736	2	10	55	1163	1770	0	10826633	10153847	11076923
3 tal num *****	ber of pulses in	1 n waveform = 2 *********	16 !3 ******	80 ******	1908 ******	0	0	11738302	11076924	12000000
				Type	5 Radar W	aveform	28			
	v 00			туре	J Kauai W	aveioiii_	20			
m of Bu	Wum = 28 rsts = 10 erval (us)= 1200	0000								
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(u
	914856	3	12	80	1486	1989	1265	914856	0	1199999
	855543		8	80	1917	0	0		1200000	2399999
	1518537	1						1775139		
	1197852	2	17	85	1555	1095	0	3295593	2400000	3599999
	934152	2	9	75	1845	1474	0	4496095	3600000	4799999
		2	10	95	1128	1897	0	5433566	4800000	5999999
	632163	2	18	50	1037	1091	0	6068754	6000000	7199999
	1904490	3	9	100	1068	1495	1233	7975372	7200000	8399999
	644500	2	6	75	1025	1077	0	8623668	8400000	9599999
	1762362									
	1351475	2	10	75	1137	1059	0	10388132	9600000	10799999
0	1001410	3	8	55	1759	1798	1016	11741803	10800000	11999999





Type 5 Radar Waveform_29										
m of Bur	Wum = 29 rsts = 10 erval (us)= 1200	000								
rst	Off Time (us) 462811	# 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
	1238296	2	9	55	1673	1448	0	462811	0	1199999
	1336650	1	12	70	1848	0	0	1704228	1200000	2399999
	1538332	2	13	60	1774	1865	0	3042726	2400000	3599999
		3	9	85	1809	1492	1333	4584697	3600000	4799999
	359495	1	12	90	1757	0	0	4948826	4800000	5999999
	1102027	1	13	100	1204	0	0	6052610	6000000	7199999
	1676642	1	9	55	1455	0	0	7730456	7200000	8399999
	1751910	2	7	90	1648	1785	0	9483821	8400000	9599999
	171227	1	6	95	1531	0	0	9658481	9600000	10799999
	1196564	1	6	60	1106	0	0	10856576	10800000	11999999
0 tal numb ******	er of pulses in	waveform = 1	5			kok	20	10000010		
tal numb	per of pulses in	waveform = 1	5			kok	30	100000.0		
tal numb ****** veform l m of Bu	Num = 30 rsts = 9 erval (us) = 1333 Off Time (us)	waveform = 1 ***********************************	5			kok	Pulse 3 Pri(us)	Start Loc (us)	Start Burst Interval(us)	End Burst Interval(
al numb ****** veform l m of Bu rst Int	Num = 30 rsts = 9 erval (us) = 1333	waveform = 1 ***********************************	5 ************************************	**************************************	5 Radar Wa	aveform_;	Pulse 3	Start Loc	Start Burst	Interval (u
al numb ****** veform m of Bu rst Interst	Num = 30 rsts = 9 erval (us) = 1333 Off Time (us)	waveform = 1 ***********************************	5 ************************************	Type :	Pulse 1 Pri (us)	Pulse 2 Pri(us)	Pulse 3 Pri(us) 0	Start Loc (us) 1261524	Start Burst Interval(us)	Interval (u 1333332
al numb ****** veform m of Bu rst Int	Num = 30 rsts = 9 erval (us)= 1333 Off Time (us) 1261524	######################################	5 ************************************	Type : PW (us) 70 85	Pulse 1 Pri (us) 1236 1016	Pulse 2 Pri(us) 0	Pulse 3 Pri(us) 0 1266	Start Loc (us) 1261524 1403249	Start Burst Interval(us) 0 1333333	Interval (t 1333332 2666665
veform l m of Bu rst Into	Num = 30 rsts = 9 erval (us)= 1333 Off Time (us) 1261524 140489	waveform = 1 ***********************************	5 ************ Chirp (MHz) 13 14 8	PW (us) 70 85 100	Pulse 1 Pri (us) 1236 1016 1256	Pulse 2 Pri(us) 0 1484	Pulse 3 Pri(us) 0 1266	Start Loc (us) 1261524 1403249 2707132	Start Burst Interval(us) 0 1333333 2666666	Interval (c 1333332 2666665 3999998
veform www.weform weform m of Burst Inte	Num = 30 rsts = 9 erval (us) = 1333 Off Time (us) 1261524 140489 1300117	######################################	5 ************* Chirp (MHz) 13 14 8 7	PW (us) 70 85 100 70	Pulse 1 Pri (us) 1236 1016 1256 1384	Pulse 2 Pri(us) 0 1484 0	Pulse 3 Pri(us) 0 1266 0	Start Loc (us) 1261524 1403249 2707132 5008230	Start Burst Interval (us) 0 1333333 2666666 3999999	Interval (t 1333332 2666665 3999998 5333331
al numb	Num = 30 rsts = 9 erval (us) = 1333 Off Time (us) 1261524 140489 1300117 2299842	######################################	5 ************* Chirp (MHz) 13 14 8 7	PW (us) 70 85 100 70 60	Pulse 1 Pri (us) 1236 1016 1256 1384 1791	Pulse 2 Pri (us) 0 1484 0 1543 1542	Pulse 3 Pri(us) 0 1266 0 1352 1766	Start Loc (us) 1261524 1403249 2707132 5008230 5459593	Start Burst Interval (us) 0 1333333 2666666 3999999 5333332	Interval (u 1333332 2666665 3999998 5333331 6666664
al numb	Num = 30 rsts = 9 erval (us) = 1333 Off Time (us) 1261524 140489 1300117 2299842 447084	######################################	5 ******************** Chirp (MHz) 13 14 8 7 8 14	PW (us) 70 85 100 70 60 90	Pulse 1 Pri (us) 1236 1016 1256 1384 1791 1025	Pulse 2 Pri(us) 0 1484 0 1543 1542 1505	Pulse 3 Pri(us) 0 1266 0 1352 1766	Start Loc (us) 1261524 1403249 2707132 5008230 5459593 6666919	Start Burst Interval(us) 0 1333333 2666666 399999 5333332 6666665	Interval (u 1333332 2666665 399998 5333331 6666664 7999997
al numb	Num = 30 rsts = 9 erval (us) = 1333 Off Time (us) 1261524 140489 1300117 2299842 447084 1202227	######################################	5 ************* Chirp (MHz) 13 14 8 7	PW (us) 70 85 100 70 60	Pulse 1 Pri (us) 1236 1016 1256 1384 1791	Pulse 2 Pri (us) 0 1484 0 1543 1542	Pulse 3 Pri(us) 0 1266 0 1352 1766	Start Loc (us) 1261524 1403249 2707132 5008230 5459593	Start Burst Interval (us) 0 1333333 2666666 3999999 5333332	Interval (to 1333332 2666665 3999998 5333331 6666664
tal numb ******* veform l m of Bu rst Int	Num = 30 rsts = 9 erval (us)= 1333 Off Time (us) 1261524 140489 1300117 2299842 447084 1202227 1726595	######################################	5 ******************** Chirp (MHz) 13 14 8 7 8 14	PW (us) 70 85 100 70 60 90	Pulse 1 Pri (us) 1236 1016 1256 1384 1791 1025	Pulse 2 Pri(us) 0 1484 0 1543 1542 1505	Pulse 3 Pri(us) 0 1266 0 1352 1766	Start Loc (us) 1261524 1403249 2707132 5008230 5459593 6666919	Start Burst Interval(us) 0 1333333 2666666 399999 5333332 6666665	Interval (u 1333332 2666665 399998 5333331 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	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%



F	Radar waveform #	1	F	Radar waveform #	2
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
0	5308	0	11	5321	33
13	5320	39	20	5319	60
33	5301	99	24	5318	72
38	5311	114	51	5308	153
41	5324	123	52	5358	156
52	5329	156	62	5333	186
66	5335	198	66	5349	198
74	5356	222	68	5329	204
75	5351	225	71	5312	213
77	5355	231	90	5341	270
80	5353	240	99	5328	297
85	5348	255			
96	5310	288			
98	5345	294			

F	Radar waveform #	3	F	Radar waveform #	4
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
3	5335	9	13	5304	39
12	5316	36	28	5327	84
18	5356	54	30	5323	90
32	5303	96	40	5336	120
34	5312	102	55	5311	165
44	5304	132	57	5329	171
45	5324	135	59	5314	177
55	5317	165	65	5348	195
56	5326	168	77	5333	231
59	5352	177	78	5312	234
60	5323	180	92	5353	276
82	5299	246	96	5308	288
			98	5352	294



F	Radar waveform #	5	F	Radar waveform #	¹ 6
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
27	5352	81	7	5300	21
30	5316	90	17	5356	51
39	5299	117	29	5355	87
55	5343	165	47	5315	141
59	5331	177	50	5346	150
63	5357	189	55	5312	165
66	5314	198	59	5302	177
76	5320	228	84	5340	252
78	5330	234	93	5348	279
81	5359	243	95	5321	285
85	5332	255	99	5299	297
91	5307	273			

F	Radar waveform #	7	Radar waveform #8			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
2	5305	6	6	5335	18	
5	5350	15	10	5316	30	
8	5346	24	32	5336	96	
11	5333	33	36	5340	108	
18	5328	54	42	5357	126	
20	5331	60	54	5341	162	
37	5344	111	61	5312	183	
41	5359	123	66	5299	198	
53	5322	159	71	5353	213	
55	5316	165	77	5319	231	
65	5335	195	94	5333	282	
71	5330	213	98	5338	294	
74	5355	222				



F	Radar waveform #	9	Radar waveform #10			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
12	5356	36	6	5337	18	
21	5347	63	8	5349	24	
32	5311	96	14	5314	42	
43	5320	129	24	5306	72	
49	5344	147	46	5299	138	
54	5300	162	48	5358	144	
55	5332	165	64	5307	192	
63	5303	189	68	5346	204	
72	5309	216	73	5347	219	
80	5341	240	95	5338	285	
98	5342	294	99	5352	297	

R	adar waveform #1	11	R	adar waveform #1	12
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
11	5333	33	18	5307	54
13	5342	39	22	5302	66
14	5308	42	30	5305	90
28	5349	84	31	5314	93
56	5318	168	34	5357	102
58	5327	174	49	5330	147
60	5309	180	54	5353	162
79	5301	237	55	5333	165
80	5306	240	57	5328	171
86	5343	258	58	5346	174
93	5299	279	73	5351	219
			74	5354	222
			82	5329	246
			83	5315	249





R	adar waveform #1	13	R	adar waveform #1	14
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
3	5316	9	1	5303	3
14	5328	42	14	5326	42
16	5348	48	20	5339	60
18	5305	54	34	5311	102
25	5315	75	35	5357	105
31	5345	93	42	5346	126
35	5308	105	50	5327	150
36	5319	108	54	5302	162
45	5318	135	55	5332	165
53	5317	159	64	5301	192
60	5303	180	84	5309	252
75	5321	225	85	5299	255
87	5330	261	89	5330	267
89	5322	267	98	5313	294





R	adar waveform #1	15	Radar waveform #16			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
5	5306	15	4	5358	12	
12	5302	36	6	5337	18	
15	5336	45	7	5300	21	
31	5353	93	13	5311	39	
34	5344	102	22	5338	66	
36	5321	108	23	5349	69	
42	5338	126	26	5314	78	
83	5313	249	42	5336	126	
90	5311	270	45	5301	135	
97	5319	291	50	5335	150	
99	5323	297	62	5330	186	
			65	5350	195	
			68	5310	204	
			83	5341	249	
			84	5333	252	
			86	5299	258	
			94	5320	282	



Radar waveform #17			Radar waveform #18		
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)
Number	(MHz)		Number	(MHz)	
21	5309	63	1	5355	3
29	5303	87	13	5309	39
37	5345	111	17	5356	51
44	5357	132	19	5346	57
58	5317	174	20	5359	60
64	5347	192	30	5350	90
81	5308	243	39	5349	117
90	5331	270	55	5342	165
			69	5344	207
			91	5352	273
			93	5321	279

Radar waveform #19			Radar waveform #20			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
0	5309	0	4	5315	12	
3	5350	9	16	5350	48	
4	5339	12	23	5307	69	
13	5354	39	30	5310	90	
27	5349	81	42	5347	126	
40	5322	120	43	5339	129	
44	5347	132	53	5326	159	
54	5323	162	54	5352	162	
75	5301	225	56	5314	168	
			58	5353	174	
			61	5301	183	
			72	5340	216	



Radar waveform #21			Radar waveform #22			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
8	5299	24	19	5307	57	
17	5326	51	22	5339	66	
24	5321	72	32	5315	96	
25	5304	75	37	5337	111	
36	5308	108	47	5358	141	
43	5340	129	60	5345	180	
57	5345	171	64	5342	192	
59	5301	177	74	5320	222	
61	5359	183	96	5303	288	
62	5302	186				
64	5309	192				
80	5356	240				
82	5320	246				
83	5348	249				
88	5322	264				
90	5343	270				

Radar waveform #23			Radar waveform #24			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
2	5356	6	13	5356	39	
34	5314	102	22	5311	66	
39	5315	117	24	5302	72	
40	5303	120	28	5336	84	
57	5347	171	40	5357	120	
68	5311	204	46	5333	138	
70	5306	210	62	5338	186	
72	5358	216	68	5348	204	
80	5353	240	77	5322	231	
88	5355	264	88	5350	264	
96	5329	288				
99	5336	297				





Radar waveform #25			Radar waveform #26			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
1	5331	3	2	5310	6	
2	5327	6	6	5335	18	
17	5342	51	33	5349	99	
28	5340	84	38	5332	114	
34	5301	102	41	5320	123	
37	5303	111	42	5346	126	
48	5337	144	43	5330	129	
49	5329	147	51	5302	153	
55	5349	165	52	5326	156	
59	5322	177	60	5317	180	
68	5325	204	75	5312	225	
72	5309	216	83	5347	249	
91	5343	273	90	5356	270	
93	5344	279	91	5355	273	
96	5320	288				



Radar waveform #27			Radar waveform #28			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
12	5345	36	10	5313	30	
14	5310	42	11	5341	33	
21	5329	63	22	5319	66	
36	5356	108	29	5343	87	
53	5321	159	32	5310	96	
57	5307	171	35	5324	105	
60	5357	180	38	5321	114	
63	5339	189	45	5312	135	
82	5351	246	47	5356	141	
83	5332	249	53	5306	159	
87	5358	261	61	5318	183	
90	5304	270	66	5339	198	
92	5335	276	77	5316	231	
			80	5337	240	
			84	5350	252	
			87	5309	261	
			94	5300	282	
			96	5330	288	

Radar waveform #29			Radar waveform #30			
Hopping	Frequency	Pulse Start (ms)	Hopping	Frequency	Pulse Start (ms)	
Number	(MHz)		Number	(MHz)		
1	5330	3	42	5303	126	
3	5314	9	47	5329	141	
15	5301	45	63	5352	189	
21	5302	63	66	5323	198	
38	5322	114	73	5350	219	
52	5346	156	77	5351	231	
70	5299	210	87	5322	261	
81	5338	243				
91	5332	273				
96	5327	288				
97	5308	291				



6. CONCLUSION

The data collected relate only the item(s) tested and show that the WIFI dual band 4 GE LAN GPON HGU FCC ID: 2ABLK-8X4G-1V2 is in compliance with Part 15E of the FCC Rules.

————— The End