



**中认信通**  
CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)



## DFS TEST REPORT

**Applicant:** SHENZHEN TENDA TECHNOLOGY CO.,LTD.

Address: 6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052

**FCC ID:** V7TMESH15XP

**Product Name:** AX5400 Whole Home Mesh Wi-Fi 6 System

**Model Number:** Mesh15XP, MX15 Pro, EX15 Pro, EM15 Pro

**Standard(s):** 47 CFR Part 15, Subpart E(15.407)  
FCC KDB 905462 D02 UNII DFS Compliance  
Procedures New Rules v02

The above equipment has been tested and found compliant with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

**Report Number:** CR221261979-00D

**Date Of Issue:** 2023/3/17

**Reviewed By:** Sun Zhong

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Title: Manager

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## Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the No. 113, Pingkang Road, Dalang Town, Dongguan, Guangdong, China.

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 442868, the FCC Designation No. : CN1314.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0123.

## Declarations

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “▲”. Customer model name, addresses, names, trademarks etc. are not considered data.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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# CONTENTS

TEST FACILITY .....	2
DECLARATIONS.....	2
DOCUMENT REVISION HISTORY .....	4
<b>1. GENERAL INFORMATION .....</b>	<b>5</b>
<b>1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT) .....</b>	<b>5</b>
<b>1.2 DESCRIPTION OF TEST CONFIGURATION.....</b>	<b>6</b>
1.2.2 Support Equipment List and Details .....	11
1.2.3 Support Cable List and Details .....	11
1.2.4 Block Diagram of Test Setup.....	11
<b>2. SUMMARY OF TEST RESULTS .....</b>	<b>12</b>
<b>3. REQUIREMENTS AND TEST PROCEDURES .....</b>	<b>13</b>
<b>3.1 DFS REQUIREMENT.....</b>	<b>13</b>
<b>3.2 DFS MEASUREMENT SYSTEM.....</b>	<b>17</b>
<b>3.3 SYSTEM BLOCK DIAGRAM .....</b>	<b>17</b>
<b>3.4 TEST PROCEDURE .....</b>	<b>17</b>
<b>4. Test DATA AND RESULTS .....</b>	<b>18</b>
<b>4.1 RADAR WAVEFORM CALIBRATION .....</b>	<b>19</b>
<b>4.2 CHANNEL AVAILABILITY CHECK TIME (CAC).....</b>	<b>24</b>
4.2.1 Test Procedure .....	24
4.2.2 EUT Initial power-up Cycle Time .....	24
4.2.3 Results: .....	24
<b>4.3 CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME .....</b>	<b>27</b>
4.3.1 Test Procedure .....	27
4.3.2 Test Results.....	27
4.3.3 Results: .....	27
<b>4.4 NON-OCCUPANCY PERIOD.....</b>	<b>29</b>
4.4.1 Test Procedure .....	29
4.4.2 Test Result .....	29
<b>4.5 DETECTION BANDWIDTH .....</b>	<b>30</b>
4.5.1 Test Procedure .....	30
4.5.2 Test Result .....	30
<b>4.6 STATISTICAL PERFORMANCE CHECK.....</b>	<b>34</b>
4.6.1 Procedure: .....	34
4.6.2 Result: .....	35
<b>5. BRIDGE AND/OR MESH MODE.....</b>	<b>162</b>

**DOCUMENT REVISION HISTORY**

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<b>Revision Number</b>	<b>Report Number</b>	<b>Description of Revision</b>	<b>Date of Revision</b>
1.0	CR221261979-00D	Original Report	2023/3/17

## 1. GENERAL INFORMATION

### 1.1 Product Description for Equipment under Test (EUT)

<b>EUT Name:</b>	AX5400 Whole Home Mesh Wi-Fi 6 System
<b>EUT Model:</b>	Mesh15XP
<b>Multiple Model:</b>	MX15 Pro, EX15 Pro, EM15 Pro
<b>Operation Frequency:</b>	5260-5320 MHz (802.11a/n ht20/ac vht20/ax hew20) 5270-5310 MHz(802.11n ht40/ac vht40/ax hew40) 5290 MHz(802.11ac vht80/ax hew80) 5250 MHz(802.11ac vht160/ax hew160)
<b>Maximum Average Output Power (Conducted):</b>	19.73 dBm (5250-5350 MHz)
<b>Maximum Average Output Power (EIRP):</b>	23.66 dBm (5250-5350 MHz)
<b>Modulation Type:</b>	802.11a/n/ac/ax:OFDM-BPSK, QPSK, 16QAM, 64QAM,256QAM
<b>Rated Input Voltage:</b>	DC 12V from Adapter
<b>Serial Number:</b>	1VQ9
<b>EUT Received Date:</b>	2022/12/20
<b>EUT Received Status:</b>	Good
Note: The Multiple models are electrically identical with the test model. Please refer to the declaration letter for more detail, which was provided by manufacturer.	

### 1.1.3 Antenna Information Detail▲:

Antenna Chain	Manufacturer	Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain
Chain 0	SHENZHEN	PCB	50	5250-5350MHz	3.93 dBi
Chain 1	TENDA	PCB	50	5250-5350MHz	3.67 dBi
Chain 2	TECHNOLOGY	PCB	50	5250-5350MHz	3.77 dBi
Chain 3	CO.,LTD.	PCB	50	5250-5350MHz	3.78 dBi

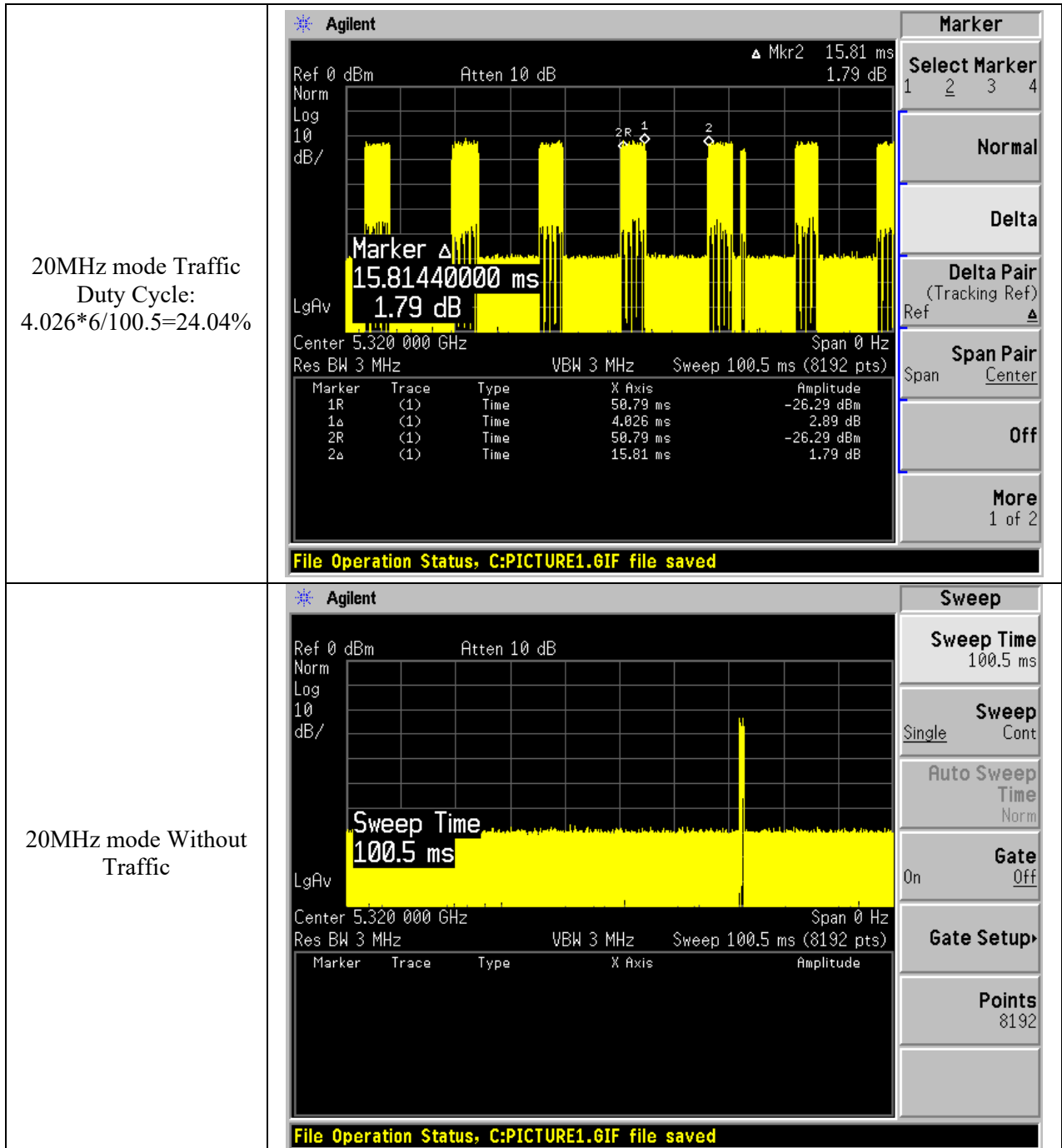
### 1.1.4 Accessory Information:

Accessory Description	Manufacturer	Model	Parameters
Adapter	Dong Guan City GangQi Electronic Co., Ltd	GQ24-120200-AU	Input: 100-240V, 50/60Hz, 1.0A Output:12V,2A

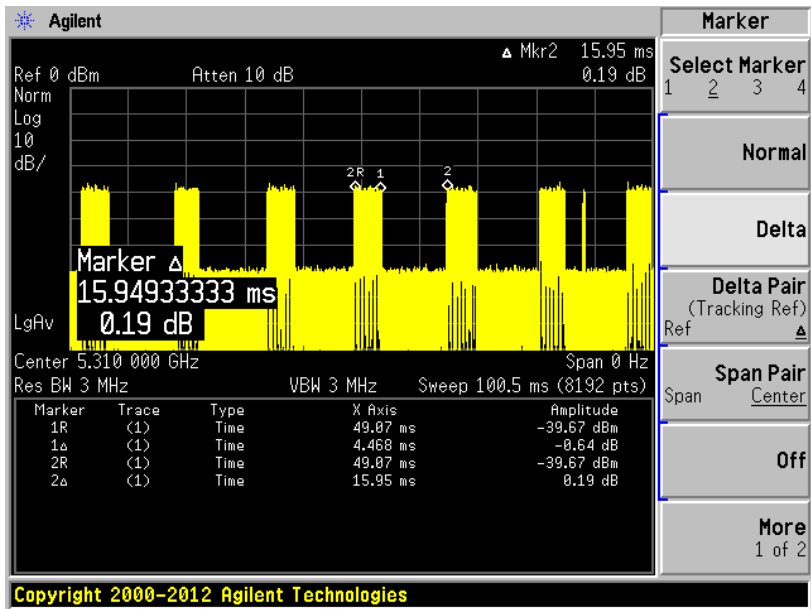
## 1.2 Description of Test Configuration

### 1.2.1 EUT Operation Condition:

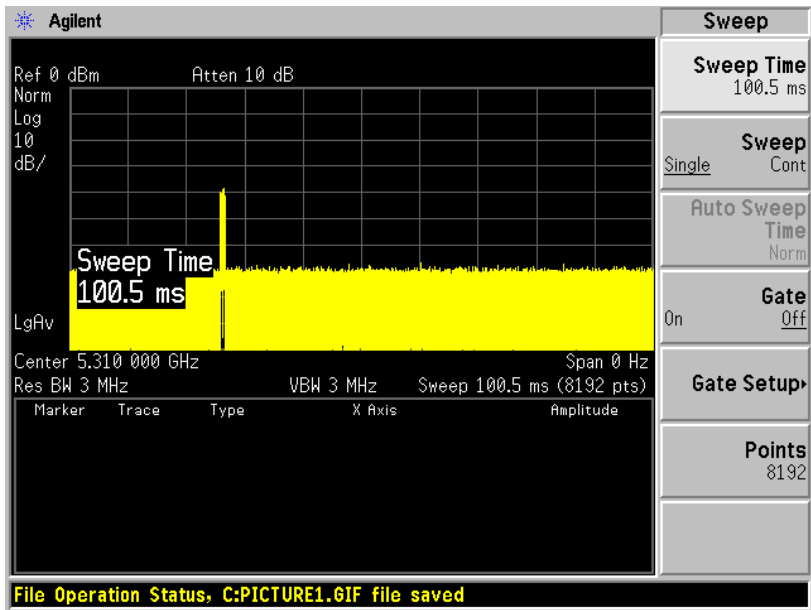
<b>EUT Operation Mode:</b>	The system was configured for testing in Engineering Mode, which was provided by the manufacturer.	
<b>Equipment Modifications:</b>	No	
<b>EUT Exercise Software:</b>	Tfgen	
The software was provided by manufacturer ▲. The below mode and data rate was used when testing:		
<b>Bandwidth</b>	<b>Modes</b>	<b>Data Rate</b>
20MHz	802.11ax hew20	MCS0
40MHz	802.11ax hew40	MCS0
80MHz	802.11ax hew80	MCS0
160MHz	802.11ax hew160	MCS0
WLAN traffic is generated by software “Tfgen”, software is used by IP and Frame based systems for loading the test channel during the In-service compliance testing of the U-NII device. Data pakge streamed from the Access Point to the Client using the software “Tfgen”. The following duty cycle was used when test:		



40MHz mode Traffic  
 Duty Cycle:  
 $4.468 * 6 / 100.5 = 26.67\%$

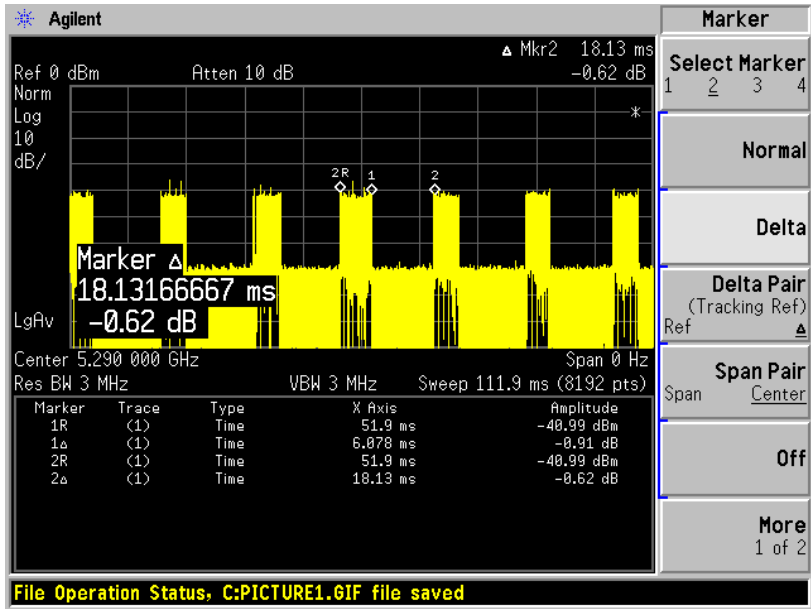


40MHz mode Without Traffic

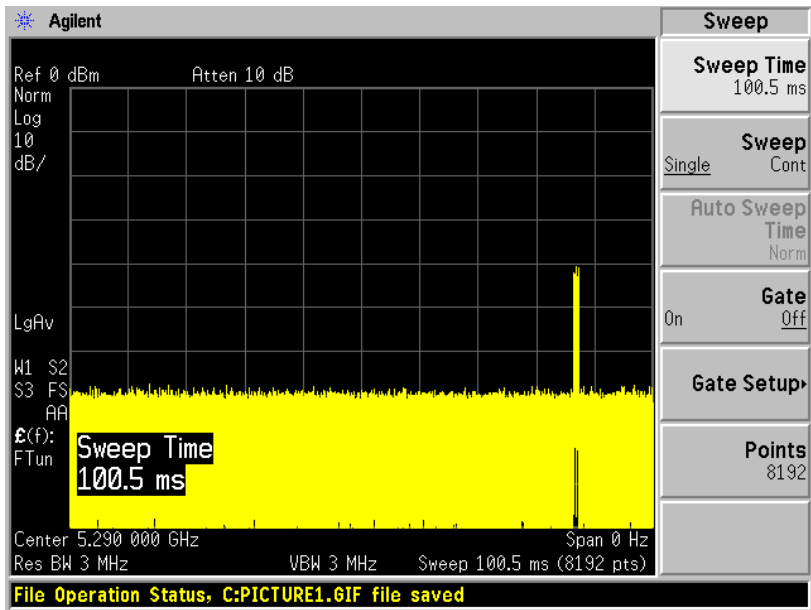




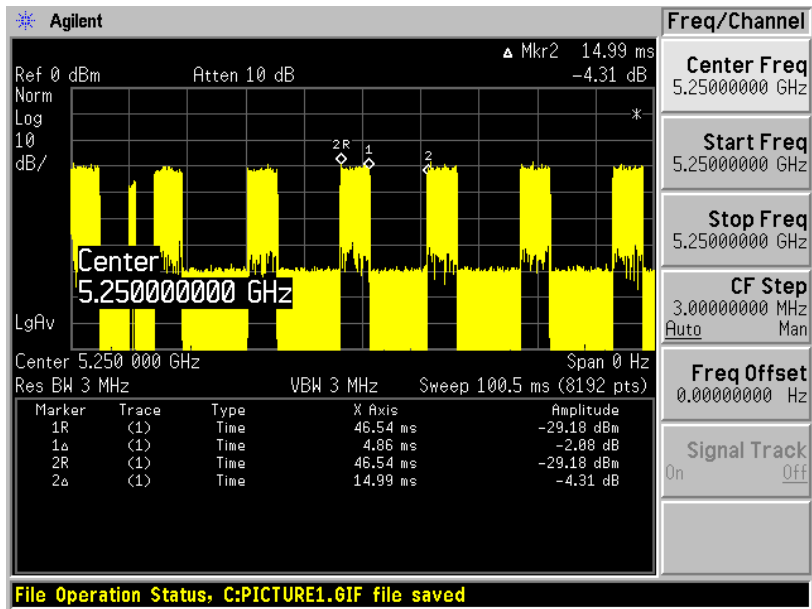
80MHz mode Traffic  
 Duty Cycle:  
 $6.078 * 6 / 100.5 = 36.29\%$



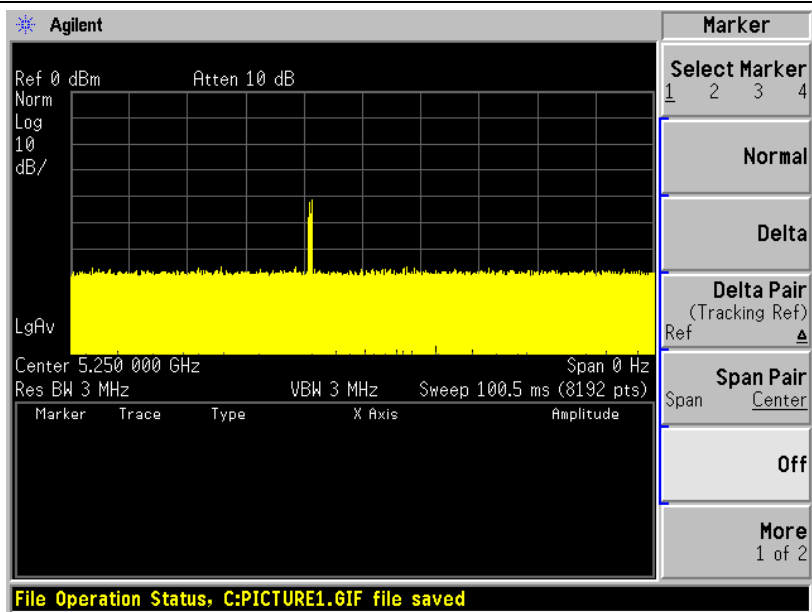
80MHz mode Without  
 Traffic



160MHz mode Traffic  
 Duty Cycle:  
 $4.86 * 6 / 100.5 = 29.01\%$



160MHz mode Without  
 Traffic



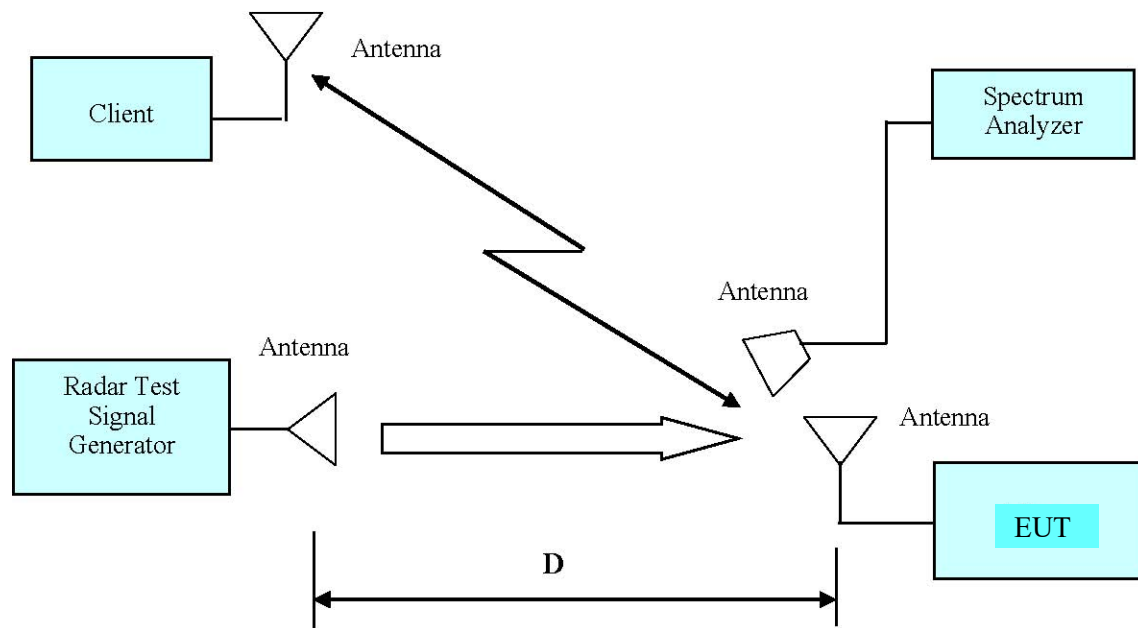
### 1.2.2 Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Lenovo	Laptop	T430	AA887-03
Asustek	Laptop	FX504G	J6NRCX014047232

### 1.2.3 Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
/	/	/	/	/	/

### 1.2.4 Block Diagram of Test Setup



## 2. SUMMARY OF TEST RESULTS

The following result table represents the list of measurements required under the CFR §47 Part 15.407(h), KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02

Items	Description of Test	Result
Detection Bandwidth	UNII Detection Bandwidth	Compliant
Performance Requirements Check	Initial Channel Availability Check Time (CAC)	Compliant
	Radar Burst at the Beginning of the CAC	Compliant
	Radar Burst at the End of the CAC	Compliant
In-Service Monitoring	Channel Move Time	Compliant
	Channel Closing Transmission Time	Compliant
	Non-Occupancy Period	Compliant
Radar Detection	Statistical Performance Check	Compliant

### 3. REQUIREMENTS AND TEST PROCEDURES

#### 3.1 DFS Requirement

CFR §47 Part 15.407(h)

FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

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

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

**Table 2: Applicability of DFS requirements during normal operation**

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

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

**Note:** Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

**Table 3: DFS Detection Thresholds for Master Devices and Client Devices With Radar Detection**

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
<p><b>Note 1:</b> This is the level at the input of the receiver assuming a 0 dBi receive antenna.</p> <p><b>Note 2:</b> 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.</p> <p><b>Note 3:</b> EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.</p>	

**Table 4: DFS Response Requirement Values**

Parameter	Value
<i>Non-occupancy period</i>	Minimum 30 minutes
<i>Channel Availability Check Time</i>	60 seconds
<i>Channel Move Time</i>	10 seconds See Note 1.
<i>Channel Closing Transmission Time</i>	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
<i>U-NII Detection Bandwidth</i>	Minimum 100% of the U- NII 99% transmission power bandwidth. See Note 3.
<p><b>Note 1:</b> <i>Channel Move Time</i> and the <i>Channel Closing Transmission Time</i> should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.</p> <p><b>Note 2:</b> The <i>Channel Closing Transmission Time</i> is comprised of 200 milliseconds starting at the beginning of the <i>Channel Move Time</i> plus any additional intermittent control signals required to facilitate a <i>Channel move</i> (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.</p> <p><b>Note 3:</b> During the <i>U-NII Detection Bandwidth</i> 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.</p>	

**Table 5 – Short Pulse Radar Test Waveforms**

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a	Roundup $\left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{SEC}}} \right) \right\}$	60%	30
		Test B: 15 unique PRI values randomly selected 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 (Radar Types 1-4)				80%	120
<b>Note 1:</b> Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

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

For example if in Short Pulse Radar Type 1 Test B a PRI of 3066 usec is selected, the number of pulses

would be  $\text{Roundup} \left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{3066} \right) \right\} = \text{Roundup} \{17.2\} = 18.$

**Table 5a - Pulse Repetition Intervals Values for Test A**

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

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

Radar Type	Number of Trials	Number of Successful Detections	Minimum Percentage of Successful Detection
1	35	29	82.9%
2	30	18	60%
3	30	27	90%
4	50	44	88%
Aggregate $(82.9\% + 60\% + 90\% + 88\%)/4 = 80.2\%$			



**Table 6 – Long Pulse Radar Test Waveform**

Radar Type	Pulse Width ( $\mu\text{sec}$ )	Chirp Width (MHz)	PRI ( $\mu\text{sec}$ )	Number of Pulses per <i>Burst</i>	Number of <i>Bursts</i>	Minimum Percentage of Successful Detection	Minimum Number of Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

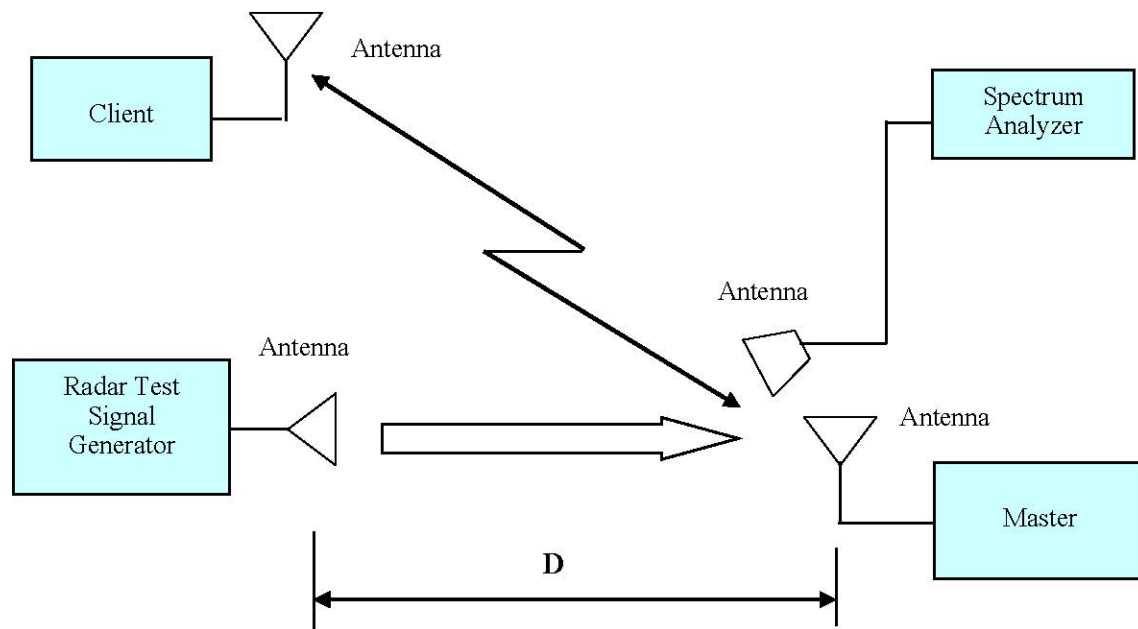
**Table 7 – Frequency Hopping Radar Test Waveform**

Radar Type	Pulse Width ( $\mu\text{sec}$ )	PRI ( $\mu\text{sec}$ )	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

### 3.2 DFS Measurement System

BACL DFS measurement system consists of two subsystems: (1) The radar signal generating subsystem and (2) the traffic monitoring subsystem.

### 3.3 System Block Diagram



### 3.4 Test Procedure

A spectrum analyzer is used as a monitor verifies that the EUT status including Channel Closing Transmission Time and Channel Move Time, and does not transmit on a Channel during the Non-Occupancy Period after the detection and Channel move. It is also used to monitor EUT transmissions during the Channel Availability Check Time.

#### 4. Test DATA AND RESULTS

Serial Number:	1VQ9	Test Date:	2023/3/3~2023/3/10
Test Site:	RF	Test Mode:	Transmitting
Tester:	Ada Yan	Test Result:	Pass

Environmental Conditions:					
Temperature: (°C)	23.2~24.6	Relative Humidity: (%)	39~46	ATM Pressure: (kPa)	101.2~102.5

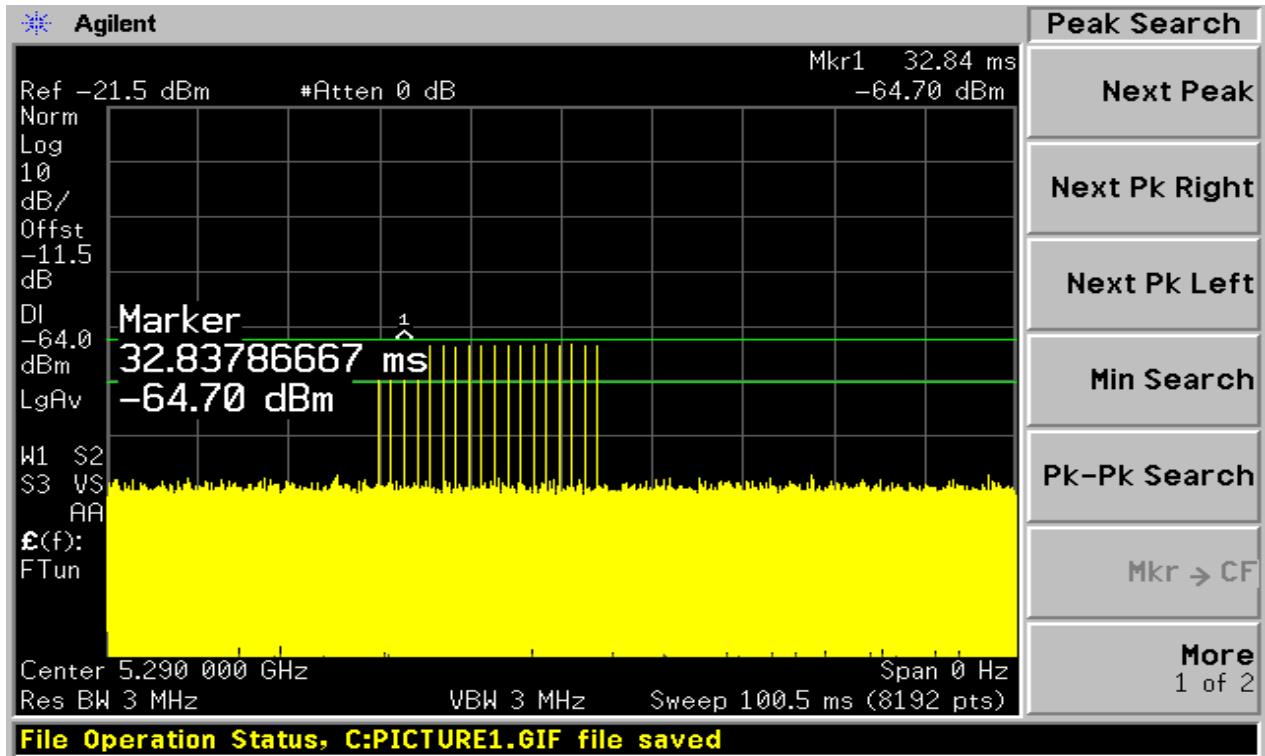
#### Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
National Instruments	NI PXI-1042 8-Slot chassis	PXI-1042	VOBX40FBD	N/A	N/A
National Instruments	Arbitrary Waveform Generator	PXI-5421	N/A	N/A	N/A
National Instruments	RF Upconverter	PXI-5610	N/A	N/A	N/A
ASCOR	Upconverter	AS-7202	N/A	N/A	N/A
Agilent	Spectrum Analyzer	E4440A	SG43360054	2022/07/15	2023/7/14
Ditorn	Splitter/Combiner	D3C4080	SN2244	N/A	N/A
TDK RF	horn antenna	HRN-0118	130 084	2021/10/12	2024/10/12
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020/10/13	2023/10/12

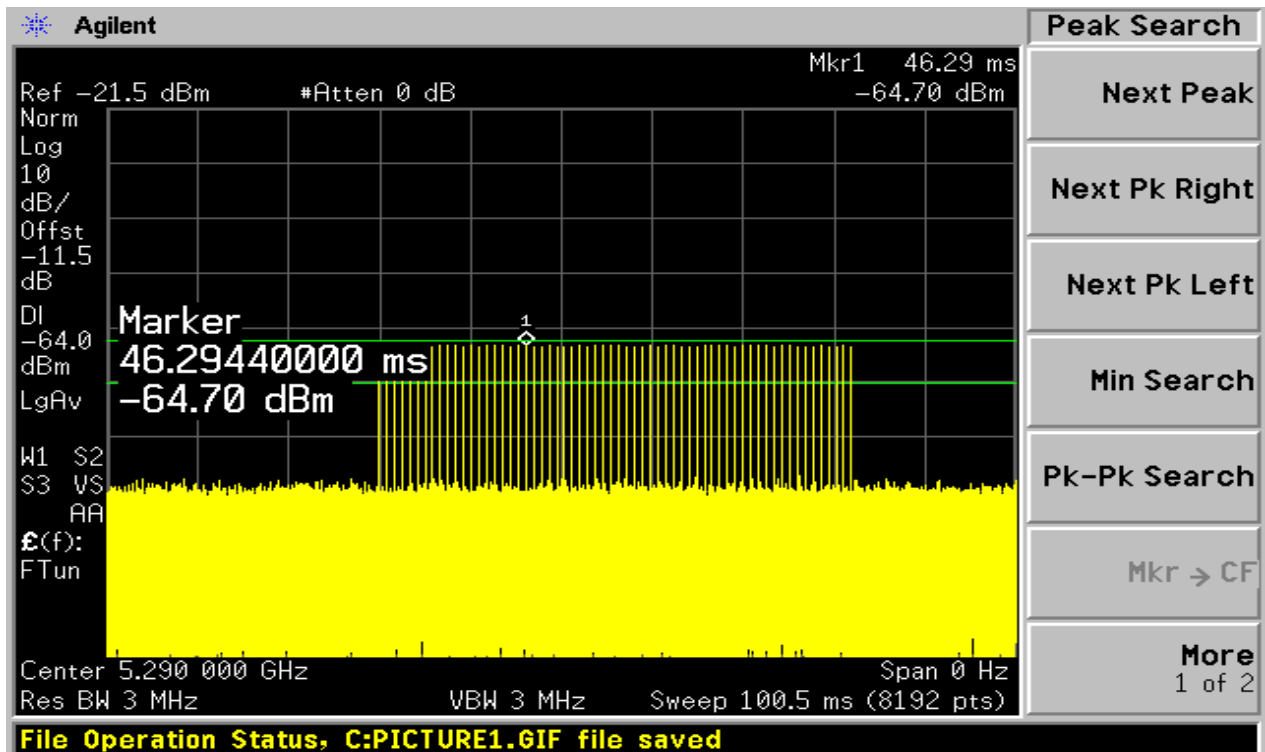
\* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

### 4.1 Radar Waveform Calibration 5290MHz:

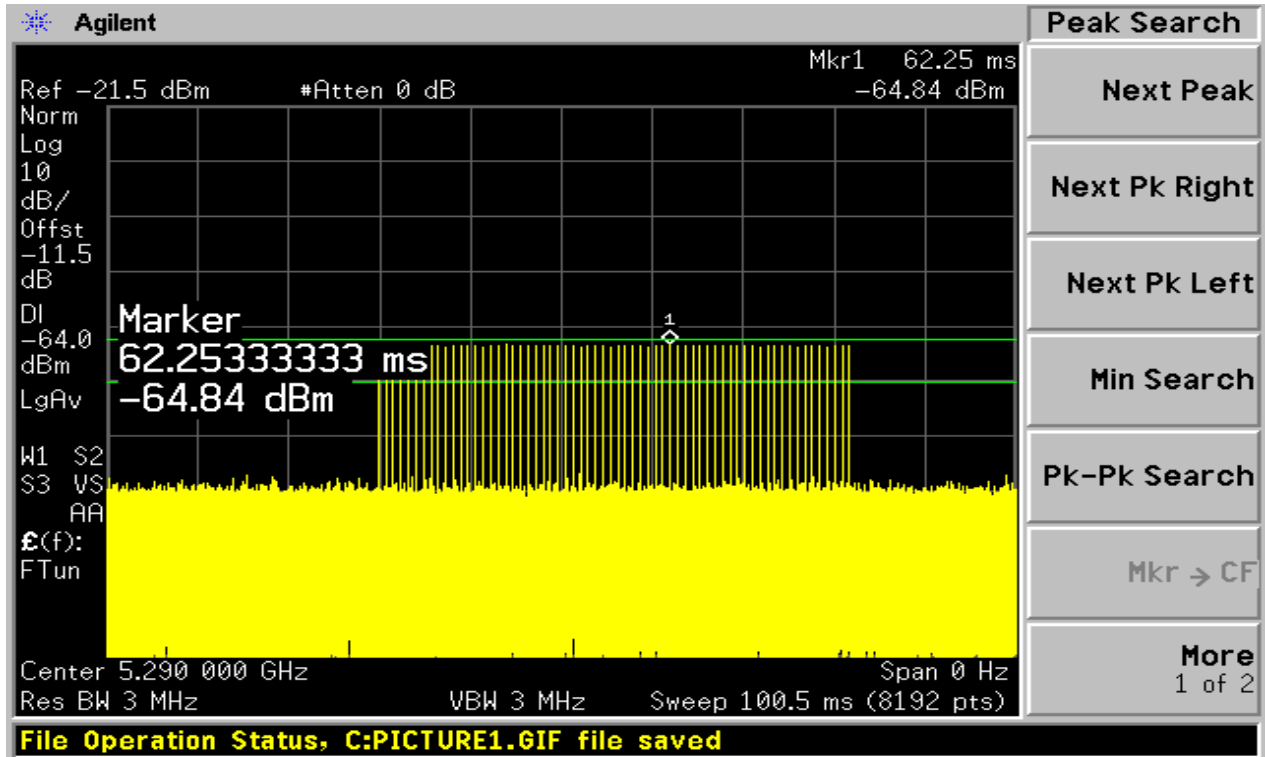
Radar Type 1



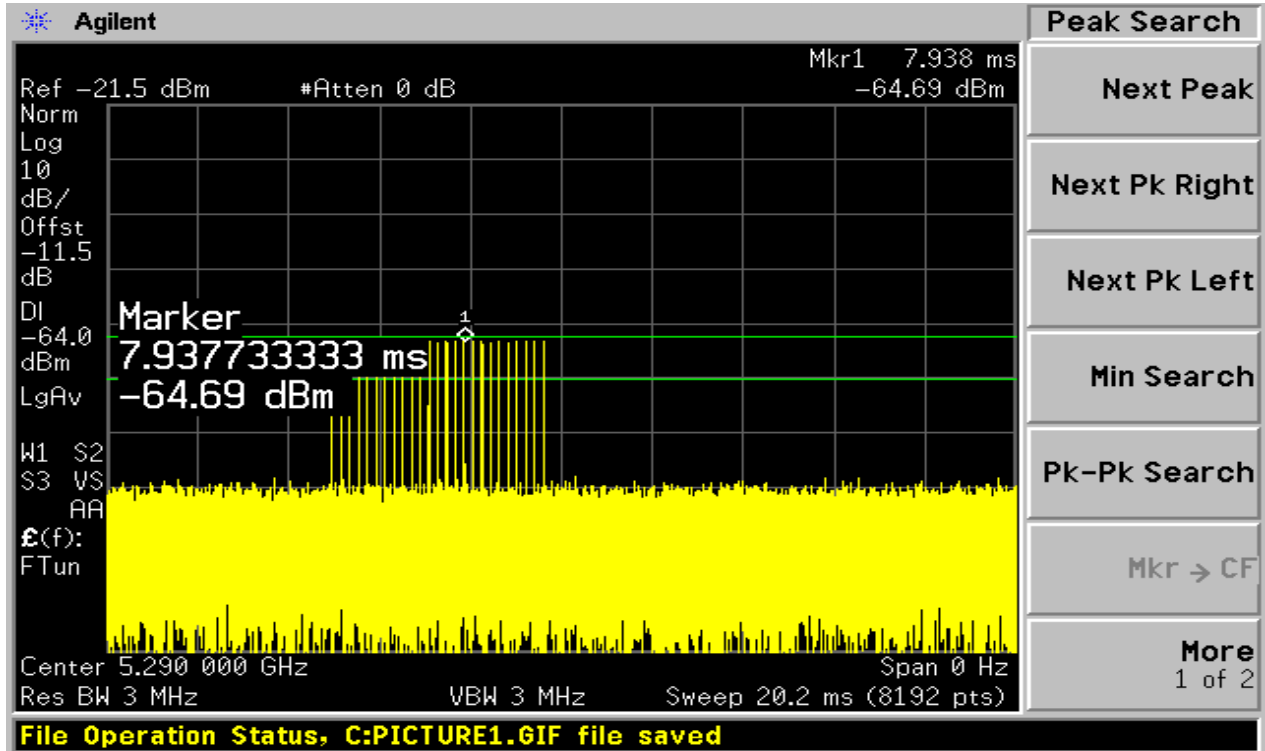
Radar Type 1A



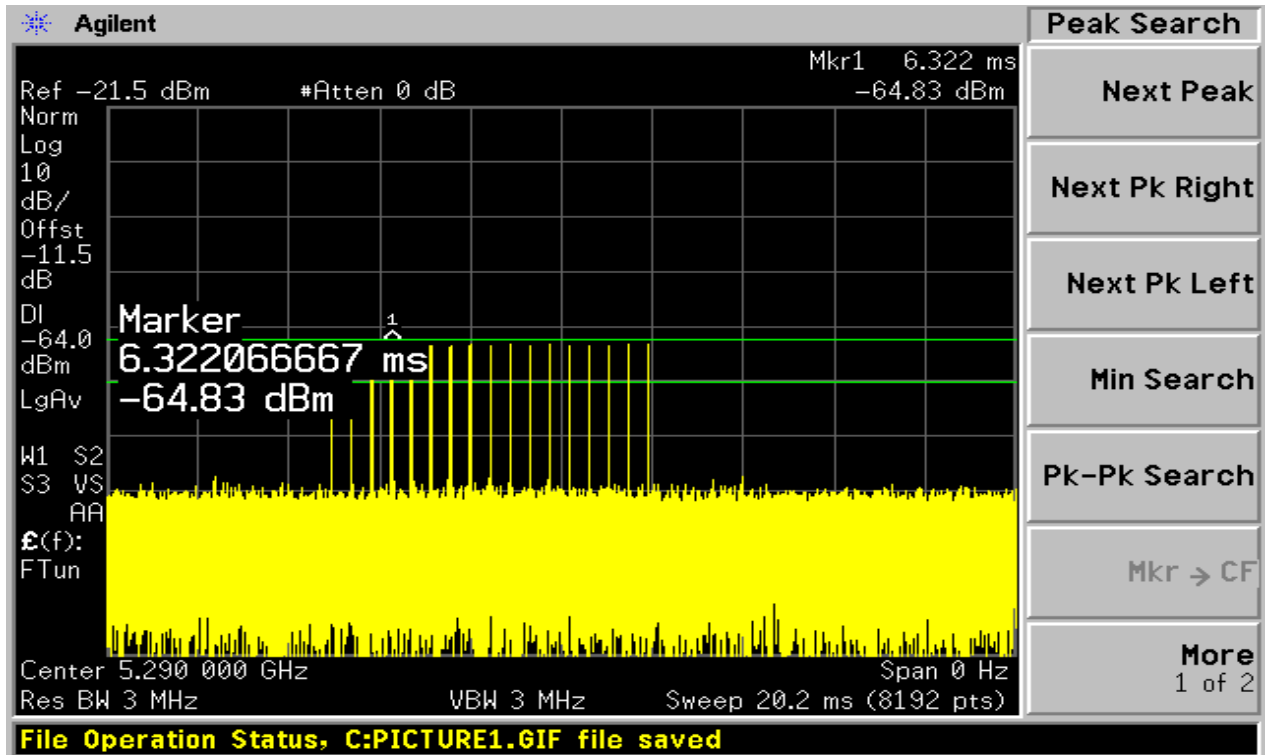
### Radar Type 1B



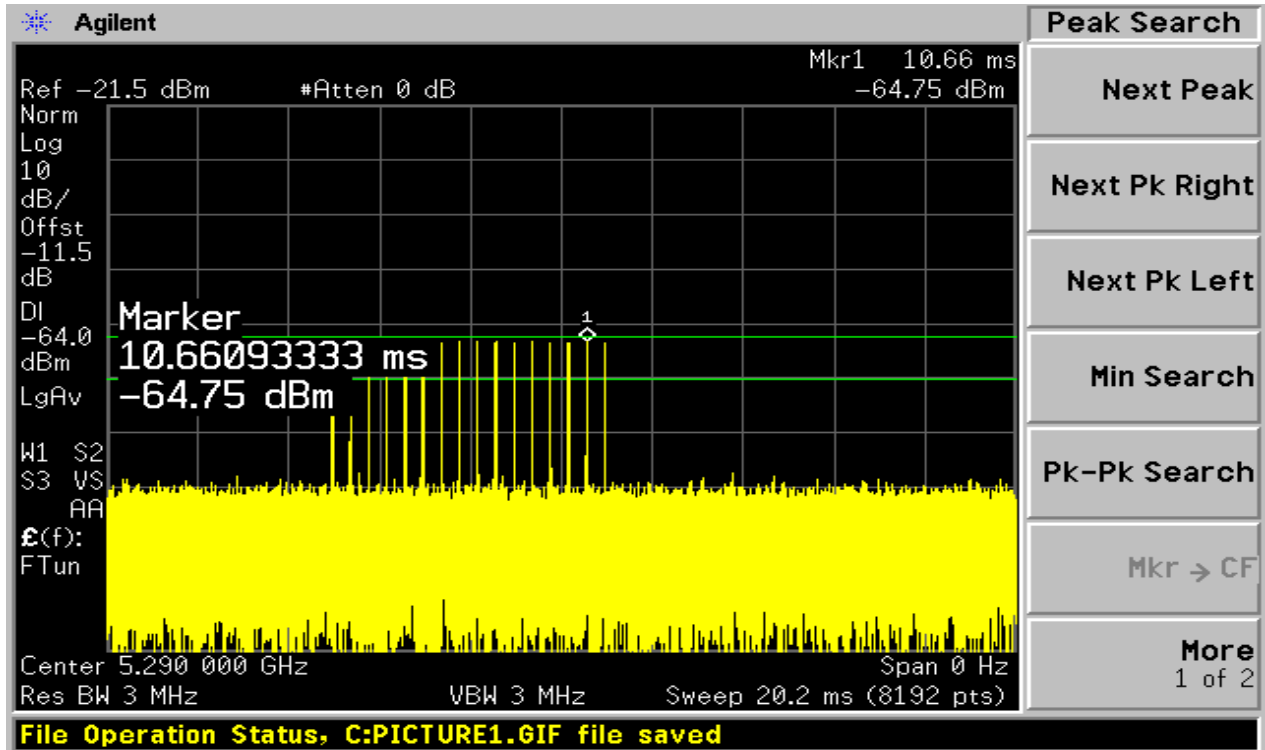
### Radar Type 2



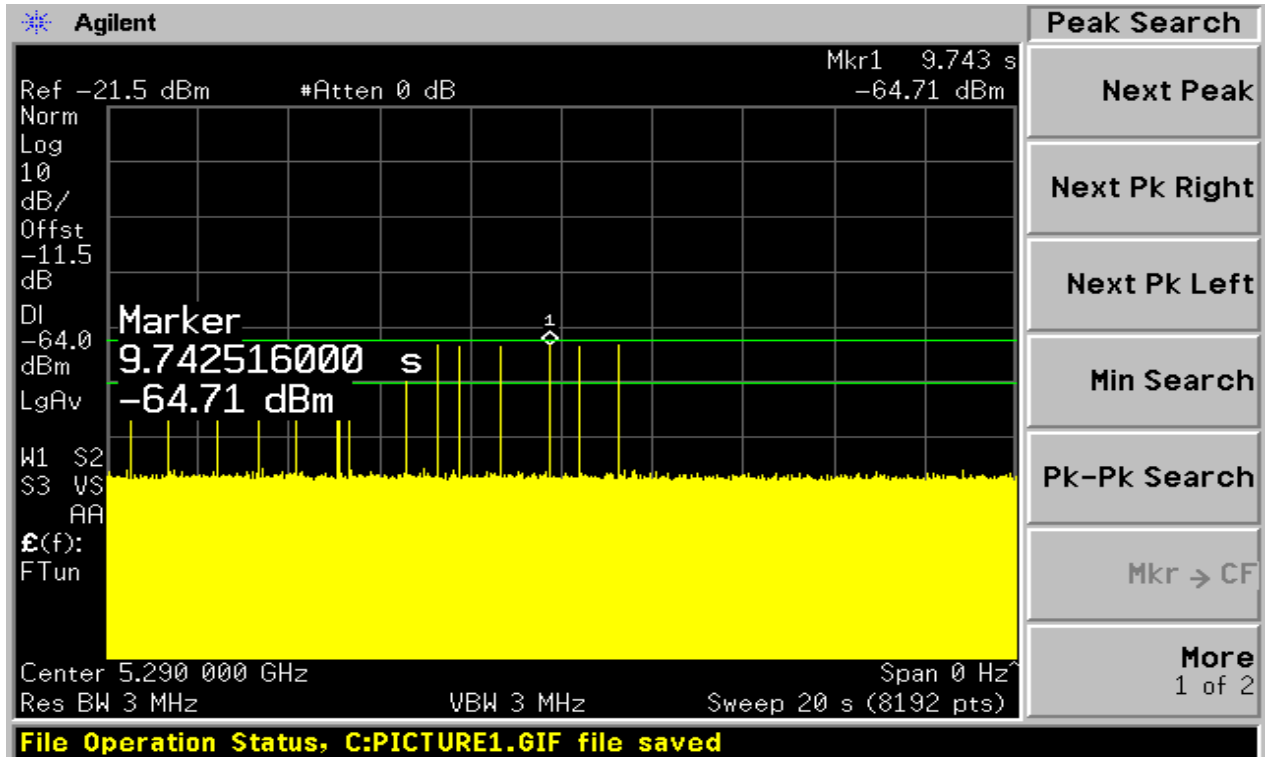
### Radar Type 3



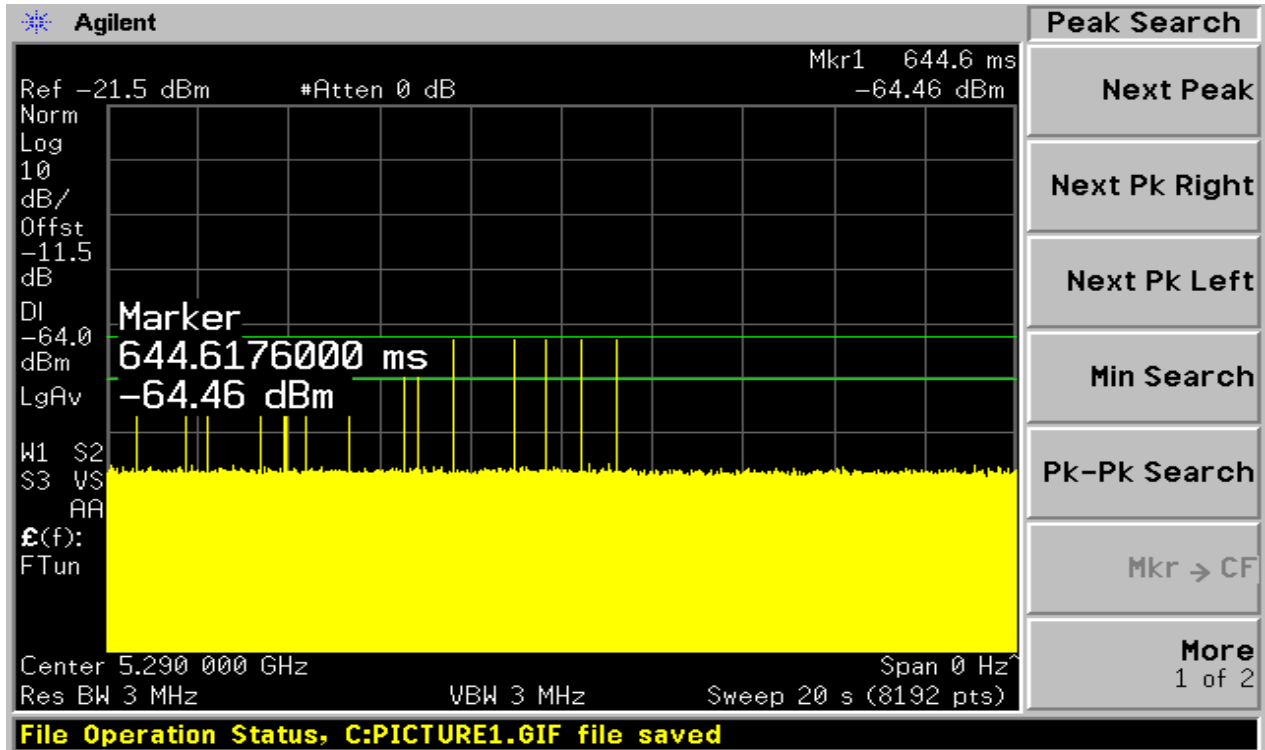
### Radar Type 4



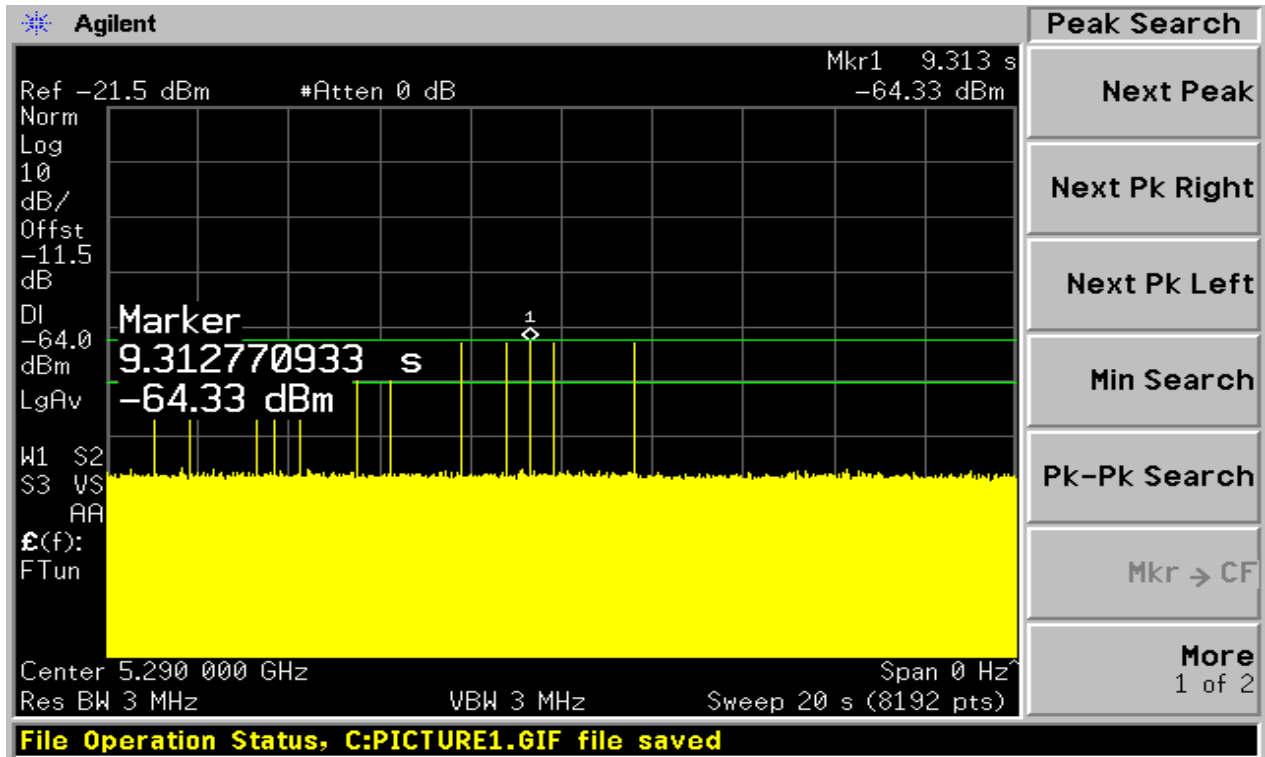
### Radar Type 5 Case 1



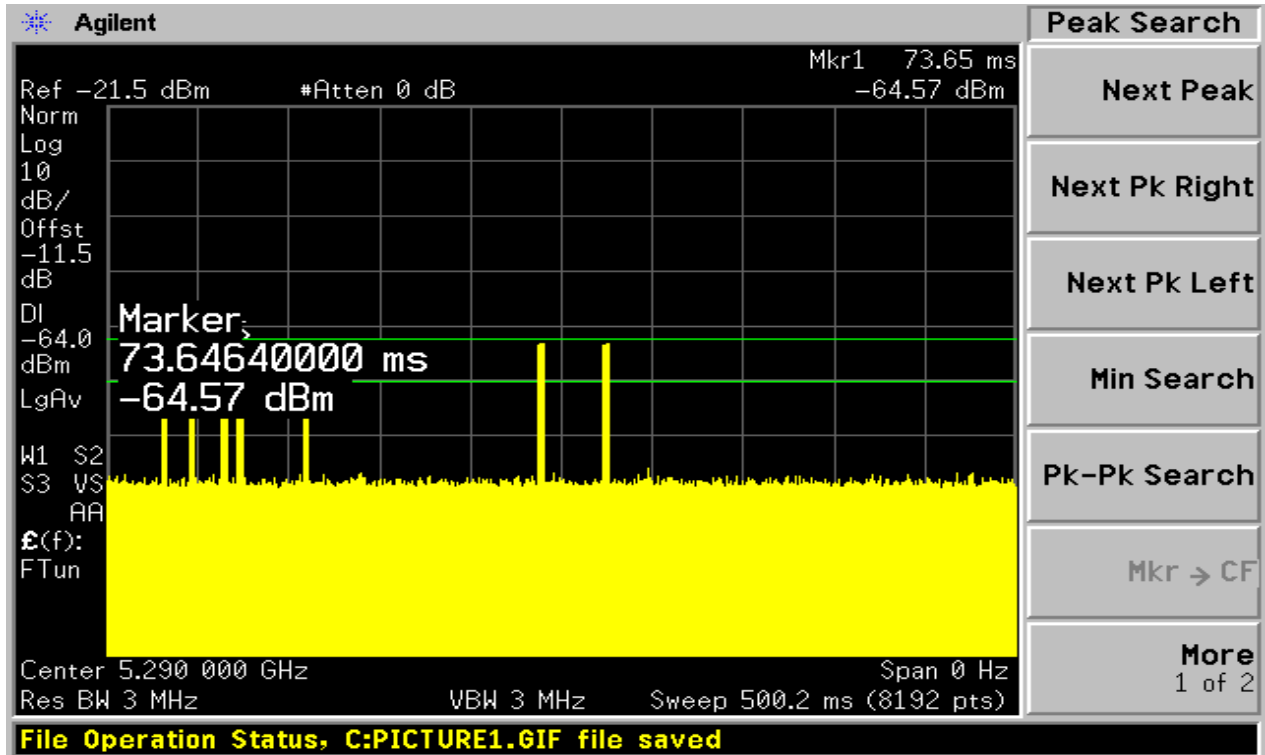
### Radar Type 5 Case 2



### Radar Type 5 Case 3



### Radar Type 6



## 4.2 Channel Availability Check Time (CAC)

### 4.2.1 Test Procedure

- 1) Channel Availability Check Time (CAC)
- 2) With link established on channel, apply a radar signal within 0~6 seconds after the initial power-up period; monitor the transmissions on channel from the spectrum analyzer.
- 3) Reboot EUT, with a link established on channel, apply a radar signal within 54~60 seconds after the initial power-up period, and monitor the transmission on channel from the spectrum analyzer.

### 4.2.2 EUT Initial power-up Cycle Time

Test Frequency (MHz)	EUT initial Power-up cycle (Second)
5290	41.9

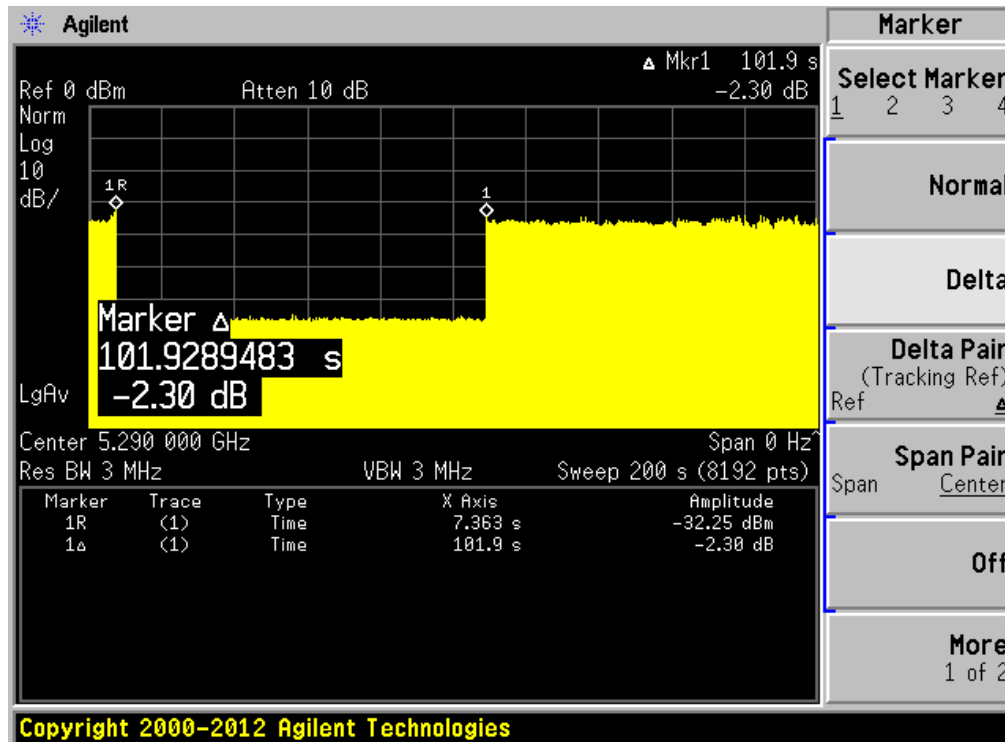
### 4.2.3 Results:

Timing of Radar Burst	Spectrum Analyzer Display
No Radar Triggered	Transmission begin after power-up cycle +60 seconds CAC
Within 6 seconds of the CAC starting	No transmission
Within the last 6 seconds of the CAC	No transmission

Please refer to the following plots.

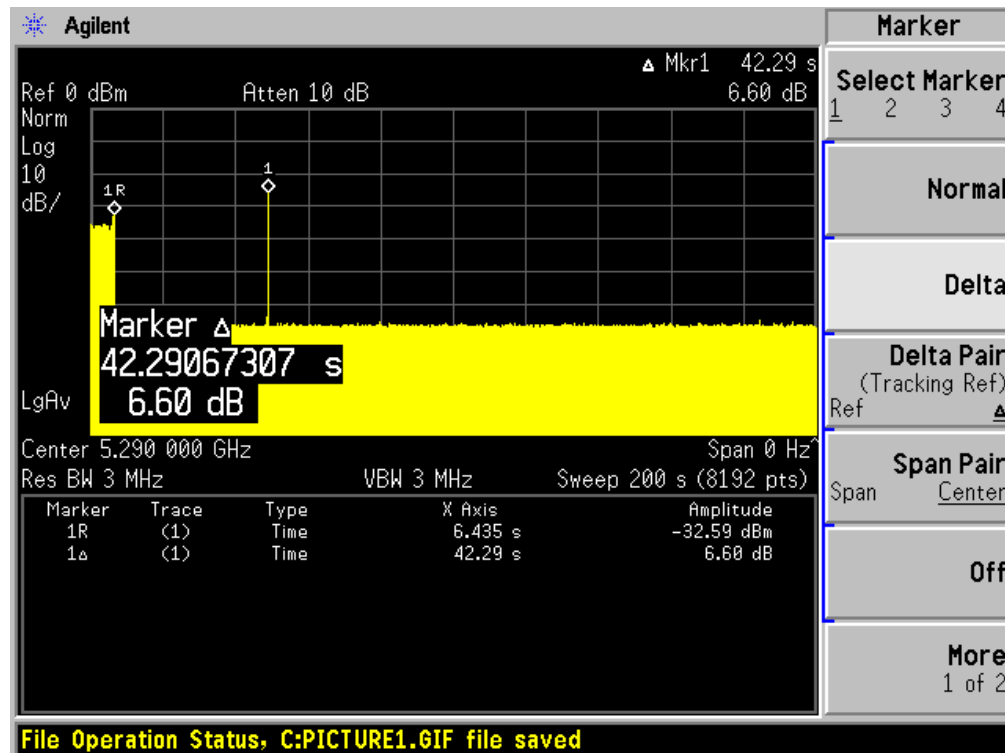


**Plot of without Radar signal applied**



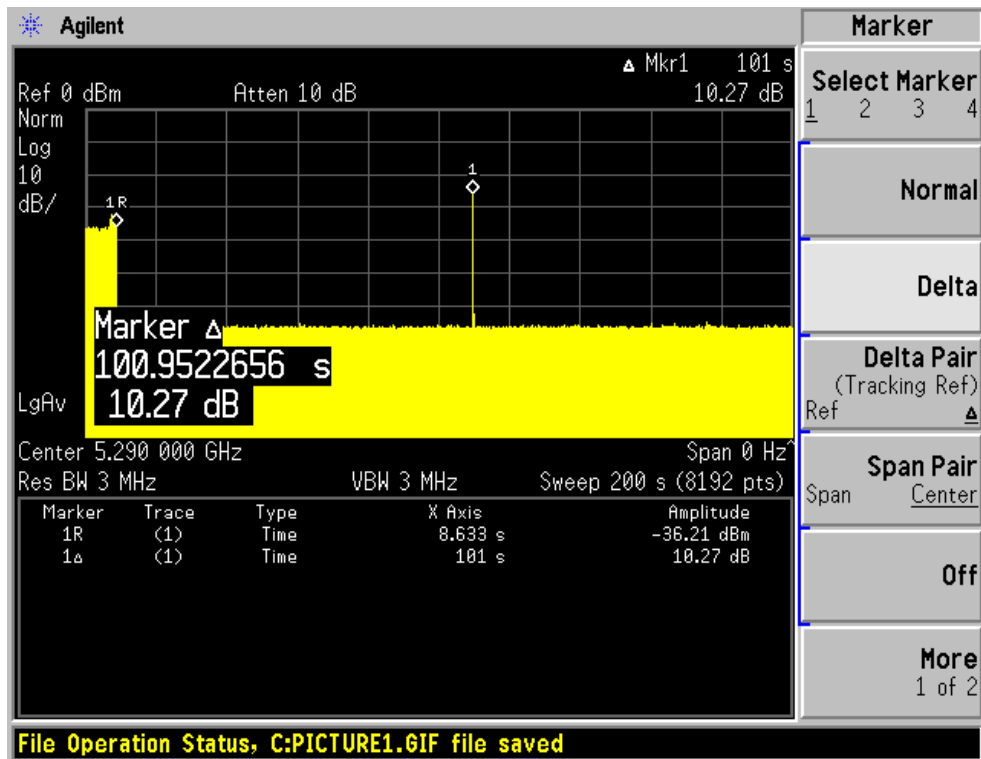
Note: The power-up cycle is 41.9 seconds.

**Plot of Radar signal applied within 6 seconds of start of CAC**



No transmissions found after radar signal applied.

**Plot of Radar signal applied at the end of 6 seconds of CAC**



No transmissions found after radar signal applied.

### 4.3 Channel Move Time And Channel Closing Transmission Time

#### 4.3.1 Test Procedure

Perform type 0 short pulse radar waveform.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = N\*Dwell Time

N is the number of spectrum analyzer bins showing a device transmission Dwell Time is the dwell time per bin (i.e. Dwell Time = S/B, S is the sweep time and B is the number of bin, i.e. 8192)

#### 4.3.2 Test Results

Test Frequency (MHz)	Bandwidth (MHz)	Radar Type	Results
5250 (Radar Frequency is 5290 MHz)	160	Type 0	Compliant

Please refer to the following tables and plots.

#### 4.3.3 Results:

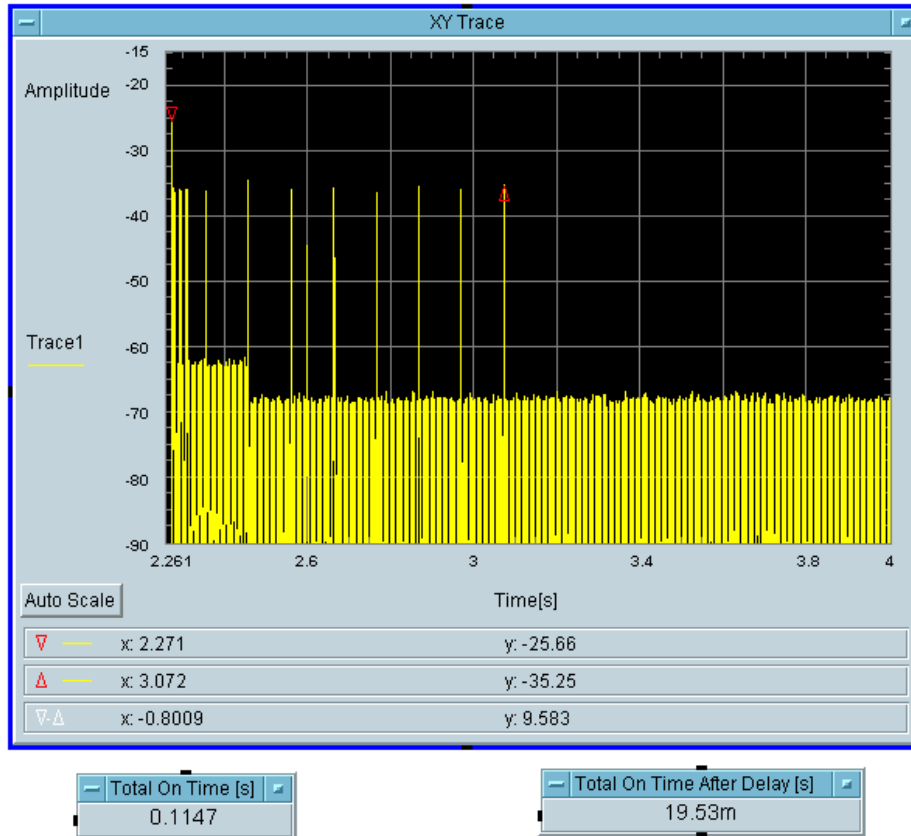
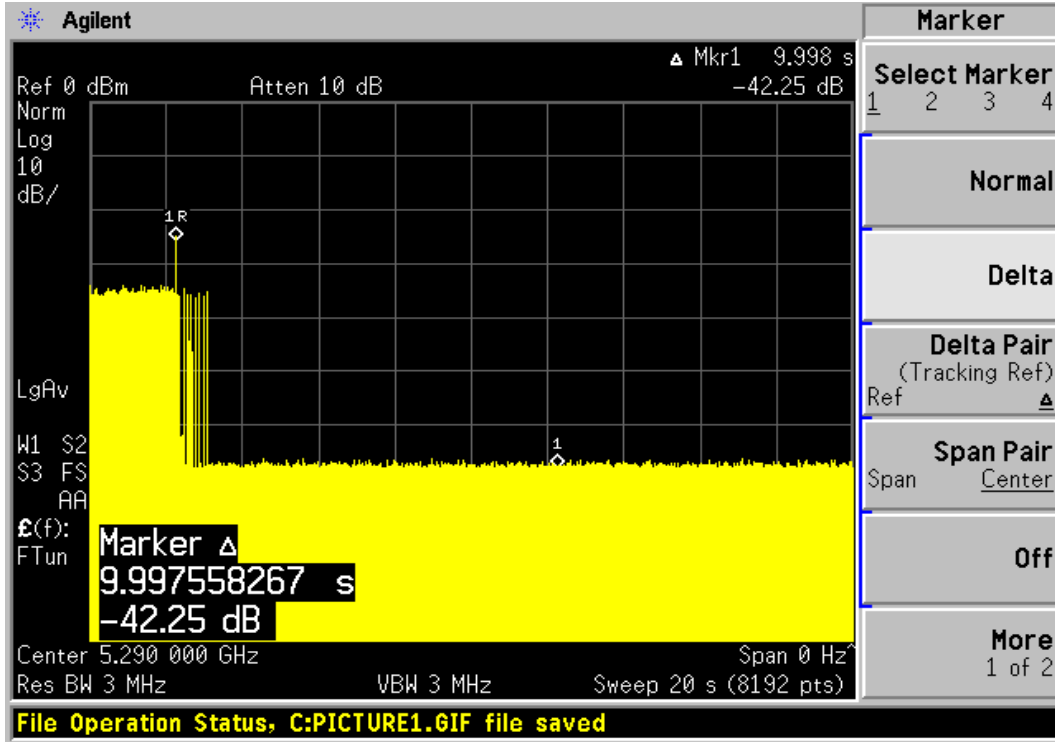
Type 0 radar channel move time result:

Channel Move Time (s)	Channel Move Time Limit (s)	Result
3.072	10	Pass

Type0 radar channel closing transmission time result:

Transmission After 200ms	Aggregate Transmission Time After 200ms Delay (ms)	Limit for Aggregate Transmission Time After 200ms Delay (ms)	Result
No	19.53	60	Pass

Type 0 radar channel move time result:



### 4.4 Non-occupancy Period

#### 4.4.1 Test Procedure

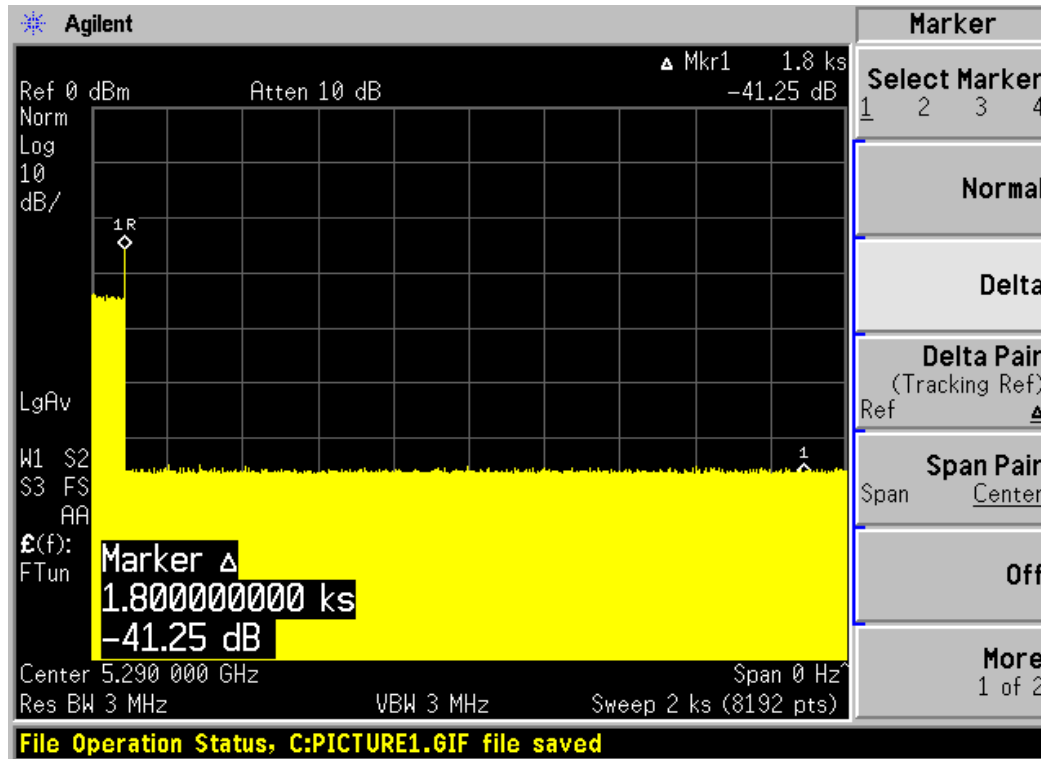
Measure the EUT for more than 30 minutes following the channel close/move time to verify that the EUT does not resume any transmissions on this channel. Provide one plot to demonstrate no transmission on the channel for the non-occupancy period (30 minutes observation time)

#### 4.4.2 Test Result

Test Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5250 (Radar Frequency is 5290 MHz)	160	No transmission within 30 minutes

Please refer to the following plots.

5290 MHz



## 4.5 DETECTION BANDWIDTH

### 4.5.1 Test Procedure

Performed with Type 0 radar waveforms

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 4**. Repeat this measurement in 1MHz steps at frequencies 5 MHz below where the detection rate begins to fall. Record the highest frequency (denote as  $F_H$ ) at which detection is greater than or equal to the *U-NII Detection Bandwidth* criterion. Recording the detection rate at frequencies above  $F_H$  is not required to demonstrate compliance.

Starting at the center frequency of the UUT operating *Channel*, decrease 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 4**. Repeat this measurement in 1MHz steps at frequencies 5 MHz above where the detection rate begins to fall. Record the lowest frequency (denote as  $F_L$ ) at which detection is greater than or equal to the *U-NII Detection Bandwidth* criterion. Recording the detection rate at frequencies below  $F_L$  is not required to demonstrate compliance.

The *U-NII Detection Bandwidth* is calculated as follows:

$$U-NII\ Detection\ Bandwidth = F_H - F_L$$

The *U-NII Detection Bandwidth* must meet the *U-NII Detection Bandwidth* criterion specified in **Table 4**. Otherwise, the UUT does not comply with DFS requirements. This is essential to ensure that the UUT is capable of detecting *Radar Waveforms* across the same frequency spectrum that contains the significant energy from the system. In the case that the *U-NII Detection Bandwidth* is greater than or equal to the 99 percent power bandwidth for the measured  $F_H$  and  $F_L$ , the test can be truncated and the *U-NII Detection Bandwidth* can be reported as the measured  $F_H$  and  $F_L$ .

### 4.5.2 Test Result

Frequency (MHz)	Bandwidth Systems (MHz)	$F_L$ (MHz)	$F_H$ (MHz)	Detection Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Minimum Limit	Result
5320	20	5310	5330	20	19.36	100%	Compliance
5310	40	5290	5330	40	38.08	100%	Compliance
5290	80	5250	5330	80	77.76	100%	Compliance
5250	160	5250	5330	80	156.80*	100%	Compliance

\*:**Detection Bandwidth** Covered all bandwidth fall into 5250-5350 MHz

Please refer to the following tables.

## Results of Detection Bandwidth:

20MHz Bandwidth, EUT Frequency = 5320MHz											
DFS Detection Trials ( 1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5309	1	1	1	1	1	0	1	1	1	1	90 %
5310(F <sub>L</sub> )	1	1	1	1	1	1	1	1	1	1	100 %
5315	1	1	1	1	1	1	1	1	1	1	100 %
<b>5320</b>	1	1	1	1	1	1	1	1	1	1	100 %
5325	1	1	1	1	1	1	1	1	1	1	100 %
<b>5330(F<sub>H</sub>)</b>	1	1	1	1	1	1	1	1	1	1	100 %
<b>5331</b>	1	1	0	1	1	0	1	1	1	1	80 %
<b>Detection Bandwidth = F<sub>H</sub> - F<sub>L</sub> = 5330-5310 = 20MHz</b>											
<b>EUT 99% BW = 19.36 MHz</b>										<b>Result: Pass</b>	

40MHz Bandwidth, EUT Frequency = 5310 MHz											
DFS Detection Trials ( 1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5288	1	1	0	1	1	0	1	1	1	1	80 %
5289(F <sub>L</sub> )	1	1	1	1	1	1	1	1	1	1	100 %
5290	1	1	1	1	1	1	1	1	1	1	100 %
5295	1	1	1	1	1	1	1	1	1	1	100 %
5300	1	1	1	1	1	1	1	1	1	1	100 %
5305	1	1	1	1	1	1	1	1	1	1	100 %
<b>5310</b>	1	1	1	1	1	1	1	1	1	1	100 %
5315	1	1	1	1	1	1	1	1	1	1	100 %
5320	1	1	1	1	1	1	1	1	1	1	100 %
5325	1	1	1	1	1	1	1	1	1	1	100 %
5330	1	1	1	1	1	1	1	1	1	1	100 %
<b>5331(F<sub>H</sub>)</b>	1	1	1	1	1	1	1	1	1	1	100 %
5332	1	1	1	0	1	1	1	1	1	1	90 %
<b>Detection Bandwidth = F<sub>H</sub> - F<sub>L</sub> = 5331-5289 = 42 MHz</b>											
<b>EUT 99% BW = 38.08MHz;</b>										<b>Result: Pass</b>	

80MHz Bandwidth, EUT Frequency = 5290 MHz											
DFS Detection Trials ( 1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5250(F <sub>L</sub> )	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5290	1	1	1	1	1	1	1	1	1	1	100 %
5295	1	1	1	1	1	1	1	1	1	1	100 %
5300	1	1	1	1	1	1	1	1	1	1	100 %
5305	1	1	1	1	1	1	1	1	1	1	100 %
5310	1	1	1	1	1	1	1	1	1	1	100 %
5315	1	1	1	1	1	1	1	1	1	1	100 %
5320	1	1	1	1	1	1	1	1	1	1	100 %
5325	1	1	1	1	1	1	1	1	1	1	100 %
5330	1	1	1	1	1	1	1	1	1	1	100 %
5331 (F <sub>H</sub> )	1	1	1	1	1	1	1	1	1	1	100 %
5332	1	0	1	1	1	1	0	1	0	1	70%
<b>Detection Bandwidth</b> = F <sub>H</sub> – F <sub>L</sub> =5331-5250=81 MHz											
<b>EUT 99% BW</b> = 77.76 MHz;										<b>Result:</b> Pass	



160MHz Bandwidth, EUT Frequency = 5290 MHz											
DFS Detection Trials ( 1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5250(F <sub>L</sub> )	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5290	1	1	1	1	1	1	1	1	1	1	100 %
5295	1	1	1	1	1	1	1	1	1	1	100 %
5300	1	1	1	1	1	1	1	1	1	1	100 %
5305	1	1	1	1	1	1	1	1	1	1	100 %
5310	1	1	1	1	1	1	1	1	1	1	100 %
5315	1	1	1	1	1	1	1	1	1	1	100 %
5320	1	1	1	1	1	1	1	1	1	1	100 %
5325	1	1	1	1	1	1	1	1	1	1	100 %
5330	1	1	1	1	1	1	1	1	1	1	100 %
5331 (F <sub>H</sub> )	1	1	1	1	1	1	1	1	1	1	100 %
5332	1	1	1	0	1	1	1	1	0	1	80 %
<b>Detection Bandwidth</b> = F <sub>H</sub> – F <sub>L</sub> = 5332-5250=82 MHz											
<b>EUT 99% BW</b> = 156.8 MHz ( <b>Detection Bandwidth</b> Covered all bandwidth fall into 5250-5350 MHz)											
<b>Result: Pass</b>											

## 4.6 STATISTICAL PERFORMANCE CHECK

### 4.6.1 Procedure:

The steps below define the procedure to determine the minimum percentage of successful detection requirements found in **Tables 5-7** when a radar burst with a level equal to the *DFS Detection Threshold + 1dB* is generated on the *Operating Channel* of the U-NII device (*In- Service Monitoring*).

- a) One frequency will be chosen from the *Operating Channels* of the UUT within the 5250-5350 MHz or 5470-5725 MHz bands.
- b) In case the UUT is a U-NII device operating as a Client Device (with or without Radar Detection), a U-NII device operating as a Master Device will be used to allow the UUT (Client device) to Associate with the Master Device. In case the UUT is a Master Device, a U-NII device operating as a Client Device will be used and it is assumed that the Client will Associate with the UUT (Master). In both cases for conducted tests, the Radar Waveform generator will be connected to the Master Device. For radiated tests, the emissions of the Radar Waveform generator will be directed towards the Master Device. If the Master Device has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing.
- c) Stream the channel loading test file from the *Master Device* to the Client Device on the test *Channel* for the entire period of the test.
- d) At time  $T_0$  the *Radar Waveform* generator sends the individual waveform for each of the Radar Types 1- 6 in **Tables 5-7**, at levels defined in **Table 3**, on the *Operating Channel*. An additional 1 dB is added to the radar test signal to ensure it is at or above the *DFS Detection Threshold*, accounting for equipment variations/errors.
- e) Observe the transmissions of the UUT at the end of the Burst on the *Operating Channel* for duration greater than 10 seconds for Radar Type 0 to ensure detection occurs.
- f) Observe the transmissions of the UUT 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.
- g) In case the UUT is a U-NII device operating as a *Client Device* with *In-Service Monitoring*, perform steps a) to f).

**4.6.2 Result:****160MHz(Radar Signal is 5290MHz)**

<b>Radar Signal Type</b>	<b>Waveform/Trial Number</b>	<b>Detection (%)</b>	<b>Limit (%)</b>	<b>Pass/Fail</b>
Type 1A	15	100%	60%	pass
Type 1B	15	100%	60%	pass
Type 2	30	90 %	60%	Pass
Type 3	30	90%	60%	Pass
Type 4	30	96.7 %	60%	Pass
Aggregate(Type1 to 4)	120	94.17 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

**5290MHz****Radar Type 1A Statistical Performance**

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	86	1	618	1
2	5290	81	1	658	1
3	5290	68	1	778	1
4	5290	57	1	938	1
5	5290	61	1	878	1
6	5290	65	1	818	1
7	5290	99	1	538	1
8	5290	70	1	758	1
9	5290	18	1	3066	1
10	5290	78	1	678	1
11	5290	83	1	638	1
12	5290	58	1	918	1
13	5290	67	1	798	1
14	5290	89	1	598	1
15	5290	95	1	558	1
Detection Percentage: 100 % (>60%)					

**Radar Type 1B Statistical Performance**

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	54	1	978	1
2	5290	33	1	1637	1
3	5290	32	1	1678	1
4	5290	26	1	2061	1
5	5290	38	1	1418	1
6	5290	74	1	721	1
7	5290	27	1	1982	1
8	5290	57	1	933	1
9	5290	20	1	2764	1
10	5290	35	1	1550	1
11	5290	55	1	974	1
12	5290	47	1	1144	1
13	5290	39	1	1354	1
14	5290	31	1	1758	1
15	5290	43	1	1236	1
Detection Percentage: 100 % (>60%)					

**Radar Type 2 Statistical Performance**

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	26	4.8	210	0
2	5290	26	3.1	186	1
3	5290	24	3.3	211	1
4	5290	28	4.7	181	1
5	5290	29	4.4	166	1
6	5290	26	1.4	162	0
7	5290	26	2.3	194	1
8	5290	24	4.0	219	1
9	5290	26	1.9	197	1
10	5290	27	4.2	185	1
11	5290	26	2.5	169	1
12	5290	27	3.2	193	1
13	5290	29	4.4	211	1
14	5290	26	4.3	205	1
15	5290	27	3.3	197	1
16	5290	23	3.0	223	1
17	5290	27	1.9	168	1
18	5290	23	1.9	186	1
19	5290	23	4.4	186	1
20	5290	24	2.9	220	1
21	5290	27	4.8	189	1
22	5290	23	3.9	197	1
23	5290	28	4.1	170	1
24	5290	24	2.5	209	1
25	5290	26	3.8	218	1
26	5290	27	4.8	203	1
27	5290	23	2.1	223	0
28	5290	27	2.3	196	1
29	5290	25	1.4	215	1
30	5290	24	2.1	171	1
<b>Detection Percentage: 90 % (&gt;60%)</b>					

**Radar Type 3 Statistical Performance**

<b>Trial #</b>	<b>Fc (MHz)</b>	<b>Pulse/Burst</b>	<b>Pulse Width (μS)</b>	<b>PRI (μs)</b>	<b>Detection (1:yes; 0:no)</b>
1	5290	16	8.2	465	1
2	5290	18	6.6	206	1
3	5290	16	6.0	243	1
4	5290	18	6.9	320	1
5	5290	16	6.9	296	0
6	5290	16	8.0	349	1
7	5290	16	6.9	370	1
8	5290	17	10.0	473	1
9	5290	18	7.7	373	1
10	5290	16	9.0	494	1
11	5290	18	9.8	470	1
12	5290	17	7.1	480	1
13	5290	17	6.7	316	1
14	5290	17	7.2	313	1
15	5290	18	6.1	439	1
16	5290	16	9.7	288	0
17	5290	18	10.0	413	1
18	5290	16	6.6	455	1
19	5290	18	8.8	267	1
20	5290	17	9.5	227	1
21	5290	18	6.7	333	1
22	5290	18	9.3	308	1
23	5290	17	6.6	479	1
24	5290	17	8.7	406	1
25	5290	18	9.9	350	1
26	5290	17	7.7	409	1
27	5290	17	7.9	449	0
28	5290	16	6.2	338	1
29	5290	17	8.1	214	1
30	5290	18	6.6	376	1
<b>Detection Percentage: 90% (&gt;60%)</b>					

**Radar Type 4 Statistical Performance**

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	12	18.2	344	1
2	5290	13	15.8	310	1
3	5290	13	13.7	405	1
4	5290	13	14.7	391	1
5	5290	12	11.7	489	1
6	5290	12	12.0	408	1
7	5290	15	11.0	357	1
8	5290	14	14.0	242	1
9	5290	14	11.2	435	1
10	5290	12	15.5	236	1
11	5290	13	18.6	232	1
12	5290	15	19.3	470	1
13	5290	14	17.4	293	1
14	5290	15	16.2	475	1
15	5290	14	19.5	444	1
16	5290	16	12.4	246	1
17	5290	15	18.4	292	1
18	5290	13	13.8	365	1
19	5290	16	17.6	213	1
20	5290	14	19.6	348	1
21	5290	12	16.4	355	1
22	5290	16	13.5	294	1
23	5290	16	19.4	412	1
24	5290	14	17.7	373	1
25	5290	14	17.3	455	0
26	5290	13	13.7	466	1
27	5290	15	12.6	401	1
28	5290	14	17.2	201	1
29	5290	13	14.1	244	1
30	5290	12	17.0	365	1
<b>Detection Percentage: 96.7 % (&gt;60%)</b>					

**Radar Type 5 Case 1 Statistical Performance**

Statistics 1 (ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	15	78.3	1025	1818	0.689817	1
1	2	15	81.8	1833		1.393563	
2	3	15	71.9	1397	1071	1.770030	
3	2	15	52.8	1243		2.816608	
4	2	15	99.0	1322		3.185194	
5	2	15	96.9	1555		4.214800	
6	3	15	84.6	1688	1876	4.390411	
7	1	15	53.5			4.980017	
8	3	15	96.5	1064	1946	6.256605	
9	2	15	60.4	1044		6.513703	
10	3	15	63.6	1477	1906	7.654434	
11	2	15	63.2	1195		7.921141	
12	3	15	62.3	1695	1933	8.778171	
13	2	15	71.1	1091		9.756692	
14	2	15	68.2	1812		9.914203	
15	3	15	93.3	1193	1264	10.608630	
16	3	15	82.1	1209	1901	11.532917	

Statistics 2 (ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	8	71.9	1941		0.290824	1
1	3	8	65.1	1421	1748	1.093634	
2	3	8	83.7	1036	1195	1.954146	
3	1	8	69.6			2.233968	
4	2	8	65.2	1731		3.021549	
5	1	8	70.7			4.130001	
6	2	8	59.9	1804		4.794279	
7	1	8	58.6			5.327314	
8	2	8	96.4	1264		5.882710	
9	3	8	89.0	1468	1625	6.447254	
10	3	8	69.6	1829	1847	7.737753	
11	3	8	58.4	1671	1926	8.276458	
12	1	8	97.4			9.158923	
13	3	8	66.9	1677	1271	9.654626	
14	2	8	56.9	1462		9.939513	
15	1	8	70.4			10.924192	
16	2	8	50.6	1913		11.797448	



Statistics 3 (ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	12	61.9	1983	1168	0.263106	1
1	3	12	70.6	1345	1089	1.220616	
2	2	12	84.5	1895		2.499137	
3	3	12	86.1	1450	1767	4.115783	
4	2	12	99.6	1294		4.525436	
5	2	12	72.2	1268		6.441111	
6	2	12	63.2	1257		7.532103	
7	1	12	61.2			8.237999	
8	3	12	74.9	1151	1355	9.013599	
9	3	12	89.0	1554	1081	10.598702	
10	2	12	85.4	1240		11.324001	

Statistics 4 (ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	15	78.2	1949		0.528929	1
1	2	15	77.9	1340		1.192828	
2	2	15	93.2	1172		1.348023	
3	1	15	54.1			2.218496	
4	2	15	68.1	1828		2.697369	
5	2	15	51.1	1569		3.511692	
6	2	15	81.8	1907		4.513438	
7	1	15	85.8			5.195661	
8	2	15	56.6	1695		5.742083	
9	1	15	83			6.346496	
10	1	15	73.1			6.901039	
11	2	15	84.9	1143		7.570836	
12	2	15	85.2	1860		8.31959	
13	2	15	91.6	1494		8.902355	
14	1	15	59.1			9.989555	
15	2	15	91.3	1021		10.061295	
16	1	15	99.1			11.124981	
17	2	15	94.5	1370		11.754935	

## Statistics 5(ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	7	55.9	1767	1151	0.967012	1
1	2	7	90.1	1868		1.872484	
2	2	7	66.3	1815		2.443506	
3	3	7	65.1	1001	1669	4.275118	
4	1	7	88.4			4.842834	
5	1	7	70.4			5.520941	
6	2	7	68.1	1493		7.612473	
7	1	7	86.1			7.730415	
8	2	7	90.3	1159		9.703391	
9	1	7	61.9			10.050934	
10	1	7	80.9			11.82709	

## Statistics 6 (ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	13	97.1			0.256382	1
1	3	13	69.1	1876	1075	2.078093	
2	1	13	62.4			3.007349	
3	1	13	83.2			3.891683	
4	2	13	75.7	1677		4.86568	
5	1	13	93.2			6.287081	
6	2	13	94.6	1135		6.782241	
7	3	13	97	1184	1251	8.609699	
8	1	13	68.2			9.069576	
9	3	13	52.3	1517	1166	10.867463	
10	2	13	96.8	1865		11.432476	

Statistics 7(ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	10	93	1261		0.984855	1
1	3	10	87	1458	1069	1.119872	
2	2	10	71	1839		2.546529	
3	3	10	74.1	1218	1211	3.372893	
4	2	10	51.4	1021		4.655296	
5	2	10	87.9	1519		5.899817	
6	2	10	93	1760		6.771651	
7	2	10	79.8	1074		7.628945	
8	2	10	96.5	1008		8.913385	
9	1	10	89.8			9.081653	
10	2	10	99.1	1277		10.611402	
11	2	10	76.8	1641		11.698629	

Statistics 8 (ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	6	74.4			0.12883	1
1	2	6	90.7	1147		1.002175	
2	2	6	84.2	1643		1.917162	
3	2	6	94.6	1182		2.658609	
4	2	6	73.9	1324		2.947685	
5	1	6	68.1			3.403314	
6	2	6	64.7	1150		4.527044	
7	1	6	67.7			5.127406	
8	1	6	93.4			5.764658	
9	2	6	90.7	2000		6.341636	
10	1	6	93.4			7.28366	
11	2	6	96.5	1127		7.334927	
12	2	6	55.8	1527		8.415487	
13	1	6	88.8			8.913361	
14	2	6	52.6	1790		9.917277	
15	2	6	57.6	1635		10.252279	
16	2	6	73.5	1041		11.273521	
17	1	6	59			11.747383	

Statistics 9 (ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	8	60.4	1447	1142	0.582787	1
1	2	8	78.8	1495		0.879672	
2	2	8	94	1736		1.822215	
3	3	8	85	1706	1908	2.428628	
4	2	8	68.7	1244		2.626718	
5	2	8	75.4	1594		3.460319	
6	3	8	99.4	1615	1309	4.059581	
7	2	8	70.7	1751		4.892988	
8	2	8	93.8	1780		5.141051	
9	3	8	87.2	1670	1903	5.787349	
10	1	8	66.4			6.692382	
11	2	8	60.6	1704		6.970766	
12	2	8	93.5	1738		7.888026	
13	3	8	50.1	1914	1038	8.668781	
14	3	8	54.2	1993	1056	9.040017	
15	2	8	94.5	1249		9.689954	
16	1	8	56			10.658309	
17	3	8	53.2	1544	1774	11.124331	
18	3	8	62	1836	1110	11.833846	

Statistics 10 (ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	12	57.1	1510		0.889357	1
1	2	12	60.1	1433		1.610538	
2	1	12	82.7			2.390112	
3	3	12	85.4	1932	1685	3.421562	
4	2	12	98.5	1363		4.379291	
5	3	12	90.7	1240	1321	5.306247	
6	2	12	67.3	1254		5.682796	
7	3	12	95	1620	1412	7.322888	
8	2	12	55.9	1013		7.565678	
9	2	12	87.3	1221		8.532814	
10	2	12	85	1531		10.034925	
11	3	12	83.7	1267	1182	10.633568	
12	2	12	73.1	1448		11.837868	

**Radar Type 5 Case 2 Statistical Performance**

Statistics 1 (ChirpCenter Frequency: 5290 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	17	60.5	1672		0.420197	1
1	1	17	79.3			0.818127	
2	3	17	82.1	1864	1035	1.664314	
3	2	17	56.7	1859		2.362409	
4	2	17	55.3	1621		3.107801	
5	3	17	84.6	1400	1981	3.293542	
6	1	17	98.3			4.230947	
7	1	17	61.4			4.595164	
8	2	17	58.2	1052		5.507341	
9	3	17	92.3	1545	1229	6.152224	
10	3	17	55.6	1156	1632	6.883978	
11	2	17	98.4	1015		7.477694	
12	3	17	96.7	1898	1459	7.882482	
13	3	17	51.6	1452	1073	8.71793	
14	2	17	76.4	1537		9.303987	
15	3	17	86.8	1436	1690	9.571122	
16	3	17	74.3	1219	1499	10.199177	
17	2	17	51.8	1666		11.02058	
18	3	17	76.9	1632	1382	11.941454	

Statistics 2 (ChirpCenter Frequency: 5255.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	8	81.7			0.761292	1
1	3	8	80.6	1892	1663	1.264975	
2	1	8	92.3			2.121502	
3	1	8	59.8			2.435706	
4	1	8	65.4			3.465477	
5	2	8	69.9	1603		4.199544	
6	3	8	55.3	1223	1818	5.210688	
7	2	8	99.2	1479		5.804043	
8	2	8	99.4	1025		7.110435	
9	3	8	93.6	1394	1792	7.451361	
10	2	8	71.9	1461		8.255256	
11	3	8	67.7	1384	1441	9.422176	
12	3	8	56.9	1498	1666	9.84245	
13	2	8	71.1	1812		11.192606	
14	1	8	73			11.896785	

Statistics 3 (ChirpCenter Frequency: 5257.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	13	71.9	1297	1644	1.145851	1
1	1	13	75.9			2.725666	
2	2	13	65.9	1273		4.05254	
3	1	13	75.5			5.941377	
4	2	13	71.9	1610		6.040594	
5	3	13	85.3	1310	1212	8.854397	
6	2	13	90.9	1084		10.055003	
7	1	13	96.7			11.03504	

Statistics 4 (ChirpCenter Frequency: 5256.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	10	54.6	1568		0.778877	1
1	3	10	98.1	1996	1928	1.287997	
2	1	10	71.7			2.35424	
3	2	10	92.8	1711		2.995677	
4	1	10	63.7			3.878959	
5	1	10	98.6			4.473022	
6	3	10	63.2	1639	1062	5.293502	
7	1	10	65.9			5.977806	
8	2	10	74	1679		6.655172	
9	2	10	53.6	1830		7.330031	
10	3	10	57	1892	1707	8.137347	
11	3	10	54.2	1858	1370	9.348801	
12	2	10	76.4	1934		9.662892	
13	2	10	55.3	1285		11.047743	
14	3	10	55.8	1179	1188	11.702101	

Statistics 5 (ChirpCenter Frequency: 5260.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	19	61.4	1257		0.382668	1
1	1	19	65.3			2.432591	
2	2	19	66.3	1246		3.85327	
3	2	19	99.9	1589		4.974694	
4	2	19	71.7	1639		5.62194	
5	1	19	60.5			6.72487	
6	3	19	88.9	1639	1432	8.561427	
7	3	19	53.8	1133	1790	9.963861	
8	2	19	92.7	1751		11.658253	

Statistics 6 (ChirpCenter Frequency: 5257.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	13	63.4			0.106528	1
1	2	13	50.9	1242		1.502653	
2	1	13	88.8			2.527983	
3	1	13	78.9			3.063744	
4	2	13	62.3	1610		4.046634	
5	2	13	82.1	1578		5.097079	
6	1	13	85.4			5.145607	
7	2	13	83.6	1299		6.653438	
8	1	13	56.1			7.252003	
9	1	13	73.1			7.76063	
10	3	13	71.6	1047	1950	9.204981	
11	1	13	72.9			9.859994	
12	2	13	74.7	1423		10.403741	
13	2	13	66	1115		11.256233	

## Statistics 7 (ChirpCenter Frequency: 5258.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	14	54.1			0.911188	1
1	3	14	76.1	1448	1142	1.525414	
2	3	14	66.4	1707	1170	2.061424	
3	2	14	52	1991		3.579816	
4	1	14	62.4			4.228632	
5	1	14	63			5.518828	
6	2	14	60.5	1299		6.443703	
7	2	14	99.5	1852		6.872764	
8	2	14	75.7	1208		7.53413	
9	1	14	55.7			8.860387	
10	2	14	57.7	1668		9.840443	
11	2	14	51.8	1067		10.233502	
12	1	14	60.9			11.892483	

## Statistics 8 (ChirpCenter Frequency: 5260.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	19	98	1383		0.502014	1
1	1	19	96.5			0.998884	
2	1	19	71.9			1.447804	
3	2	19	61	1027		2.018779	
4	1	19	60.1			3.044634	
5	3	19	52.8	1507	1938	3.180043	
6	3	19	76.5	1006	1292	4.097607	
7	2	19	72.8	1458		4.960795	
8	1	19	80.7			5.282367	
9	1	19	62.4			6.231181	
10	2	19	57.9	1131		6.661324	
11	1	19	96.8			7.253749	
12	2	19	64.8	1627		7.957086	
13	2	19	71.7	1972		8.435333	
14	2	19	85.2	1514		9.084483	
15	2	19	73	1144		9.816932	
16	2	19	77.9	1842		10.405432	
17	2	19	58.4	1259		11.245764	
18	2	19	99.7	1706		11.711884	



## Statistics 9 (ChirpCenter Frequency: 5254.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	5	85	1953		0.35253	1
1	2	5	53.3	1493		1.02495	
2	2	5	76.2	1343		1.836201	
3	1	5	54.3			2.45757	
4	3	5	91.2	1444	1354	2.805759	
5	3	5	72.8	1324	1608	3.638492	
6	1	5	68.9			4.534336	
7	1	5	61.7			5.123698	
8	2	5	84.7	1469		5.776474	
9	3	5	95.8	1641	1839	6.625908	
10	3	5	94.7	1224	1497	7.165629	
11	2	5	57.9	1684		7.66031	
12	3	5	88.9	1655	1462	8.558412	
13	3	5	63.1	1766	1367	8.927742	
14	3	5	84.2	1444	1636	9.961773	
15	1	5	98.1			10.267584	
16	3	5	96.2	1851	1024	10.963422	
17	2	5	61.9	1475		11.556786	

## Statistics 10 (ChirpCenter Frequency: 5258.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	15	73.8	1010		0.845776	1
1	3	15	98.2	1108	1055	1.477991	
2	2	15	72.5	1499		3.06471	
3	2	15	96.6	1308		3.592129	
4	1	15	61.1			4.552102	
5	2	15	72.3	1749		6.301015	
6	2	15	55.4	1783		6.964674	
7	2	15	79.2	1055		7.708684	
8	2	15	55.7	1049		8.735752	
9	1	15	71.1			10.642564	
10	2	15	76.2	1944		11.269971	

**Radar Type 5 Case 3 Statistical Performance**

Statistics 1 (ChirpCenter Frequency: 5324.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	9	85.1	1513	1936	0.231333	1
1	2	9	91.2	1164		1.144871	
2	2	9	71.7	1850		1.649746	
3	2	9	64.2	1360		2.618402	
4	2	9	64	1876		3.040167	
5	2	9	81.6	1806		3.701854	
6	2	9	59.7	1634		4.414546	
7	2	9	67.5	1462		4.982145	
8	1	9	60.9			5.612646	
9	2	9	91.1	1422		6.62139	
10	3	9	75.4	1870	1804	6.921315	
11	2	9	94.2	1060		7.768042	
12	2	9	79.5	1568		8.548076	
13	3	9	53.7	1420	1256	8.67479	
14	1	9	71.8			9.397809	
15	3	9	50.6	1836	1725	10.607572	
16	2	9	58.7	1415		10.717182	
17	2	9	71.7	1126		11.361559	

Statistics 2 (ChirpCenter Frequency: 5322.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	16	51.8	1779	1304	0.058708	1
1	2	16	56.8	1048		1.414952	
2	2	16	74.4	1874		2.16797	
3	1	16	59.3			2.915469	
4	1	16	86.2			3.83552	
5	1	16	92.6			5.108017	
6	1	16	62.2			5.643532	
7	3	16	51.8	1481	1180	6.670159	
8	1	16	57.3			6.964418	
9	1	16	60.8			8.088256	
10	1	16	58.2			9.21953	
11	1	16	94.1			9.754449	
12	1	16	63.8			10.658081	
13	2	16	75.9	1045		11.678054	

Statistics 3 (ChirpCenter Frequency: 5324.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	11	77.2	1774		0.464542	1
1	2	11	80	1785		1.252062	
2	2	11	68.8	1299		2.764072	
3	1	11	94.5			3.717337	
4	3	11	74.8	1348	1963	4.822861	
5	3	11	55	1461	1575	5.937516	
6	3	11	59.7	1222	1802	6.323095	
7	1	11	71.2			7.280661	
8	1	11	86.8			8.382779	
9	3	11	61.4	1956	1371	9.503064	
10	2	11	76.3	1871		10.547545	
11	3	11	55.3	1594	1214	11.67136	

Statistics 4 (ChirpCenter Frequency: 5324.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	11	83.5	1214	1981	0.392871	1
1	2	11	76.2	1134		0.706163	
2	2	11	85.2	1501		1.823687	
3	3	11	59.7	1938	1948	2.015099	
4	1	11	61.8			2.821338	
5	2	11	98.5	1173		3.691306	
6	2	11	80.3	1251		4.406803	
7	1	11	53.4			4.913739	
8	1	11	58			5.436699	
9	2	11	73.7	1123		6.152654	
10	2	11	81.4	1330		6.930293	
11	2	11	75.4	1966		6.955557	
12	2	11	71.7	1689		7.890635	
13	1	11	78.6			8.328682	
14	1	11	80.8			8.956253	
15	2	11	83.3	1385		9.669859	
16	1	11	73.3			10.530211	
17	2	11	76.1	1002		10.828314	
18	2	11	89	1727		11.617783	

Statistics 5 (ChirpCenter Frequency: 5322.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	14	98.9	1086		0.677955	1
1	3	14	71.4	1056	1562	1.125964	
2	3	14	57.8	1797	1659	2.105157	
3	1	14	94.3			2.577147	
4	1	14	67.8			2.995957	
5	2	14	73.7	1515		3.551884	
6	2	14	70.1	1565		4.535362	
7	3	14	94.9	1525	1284	5.19915	
8	1	14	90.7			5.90278	
9	2	14	83.7	1862		6.515853	
10	3	14	68.6	1857	1625	7.358457	
11	2	14	88.2	1038		8.357592	
12	3	14	76.9	1769	1457	8.554731	
13	2	14	85.4	1474		9.364351	
14	2	14	81.8	1984		10.070206	
15	2	14	63.5	1514		10.834613	
16	1	14	76.2			11.526494	

Statistics 6 (ChirpCenter Frequency: 5326.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	6	61.6	1669		1.152227	1
1	3	6	88.4	1817	1108	1.607064	
2	1	6	86.2			3.523794	
3	2	6	75.8	1323		4.991089	
4	3	6	51.2	1616	1368	5.68832	
5	1	6	59.7			6.853694	
6	3	6	88.3	1101	1818	9.1827	
7	2	6	52	1978		10.171914	
8	3	6	70.7	1858	1295	10.747646	

Statistics 7 (ChirpCenter Frequency: 5326.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	6	90.4			0.558667	1
1	2	6	52.4	1610		1.3234	
2	1	6	65.9			1.894876	
3	2	6	51.4	1184		2.260845	
4	2	6	61.8	1740		3.310901	
5	2	6	79.7	1598		3.810954	
6	2	6	85.1	1879		4.779921	
7	2	6	75.7	1450		5.075048	
8	2	6	51.4	1836		5.690931	
9	3	6	87	1691	1571	6.703071	
10	2	6	79.7	1081		7.727079	
11	1	6	84.9			7.936229	
12	2	6	62.7	1563		9.002185	
13	2	6	50.1	1943		9.585599	
14	1	6	65.7			10.398785	
15	1	6	52.5			10.783308	
16	3	6	84.3	1893	1428	11.828323	

Statistics 8 (ChirpCenter Frequency: 5323.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	12	73.8			0.607539	1
1	2	12	74.1	1993		1.677277	
2	2	12	95	1718		2.512918	
3	2	12	95.9	1083		3.772626	
4	2	12	74.7	1903		4.789451	
5	3	12	63.8	1123	1229	5.214888	
6	1	12	73.6			6.205763	
7	3	12	91.1	1676	1182	7.968152	
8	2	12	97.8	1723		8.29825	
9	1	12	66.8			9.643932	
10	2	12	93.4	1532		10.13373	
11	3	12	54.4	1023	1630	11.460123	

Statistics 9 (ChirpCenter Frequency: 5324.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	9	97.7			0.610156	1
1	1	9	75.7			0.822945	
2	3	9	81.4	1244	1536	1.948843	
3	2	9	58.8	1480		2.615771	
4	3	9	93	1569	1810	3.280615	
5	2	9	85.3	1483		3.541295	
6	2	9	84.7	1728		4.512584	
7	1	9	99.6			5.228241	
8	3	9	83.2	1076	1192	5.938952	
9	2	9	96.8	1442		6.162798	
10	3	9	85.8	1638	1423	7.2836	
11	3	9	90	1798	1342	7.910903	
12	3	9	87.5	1126	1775	8.106843	
13	1	9	78.1			8.814419	
14	2	9	92.1	1418		9.862425	
15	2	9	87.5	1725		10.612454	
16	2	9	52.6	1061		11.196716	
17	2	9	64.8	1264		11.732325	

Statistics 10 (ChirpCenter Frequency: 5325.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	8	89.8	1107		0.219787	1
1	2	8	52.6	1577		0.977029	
2	2	8	66.4	1539		1.507213	
3	2	8	60.8	1101		2.507056	
4	3	8	63.9	1334	1600	2.981826	
5	2	8	86.9	1478		3.700858	
6	2	8	57.7	1505		4.011014	
7	2	8	93.8	1271		4.950546	
8	2	8	92.5	1369		5.32446	
9	2	8	96.1	1040		5.926235	
10	3	8	85.1	1118	1859	6.373773	
11	1	8	98.3			7.263623	
12	2	8	65.6	1002		7.715966	
13	3	8	68.1	1607	1924	8.370745	
14	2	8	73.7	1236		8.948449	
15	1	8	83.4			9.763342	
16	2	8	76.9	1006		10.609734	
17	3	8	58.6	1504	1777	10.853381	
18	1	8	96.2			11.844032	

## Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)	Hopping Sequence (MHz)
1	5290	9	1	333	1	5652.0, 5511.0, 5636.0, 5538.0, 5264.0, 5472.0, 5656.0, 5555.0, 5694.0, 5509.0, 5623.0, 5633.0, 5625.0, 5464.0, 5369.0, 5263.0, 5501.0, 5552.0, 5682.0, 5379.0, 5565.0, 5476.0, 5346.0, 5654.0, 5513.0, 5706.0, 5292.0, 5629.0, 5286.0, 5366.0, 5413.0, 5566.0, 5630.0, 5368.0, 5408.0, 5328.0, 5581.0, 5610.0, 5365.0, 5639.0, 5556.0, 5632.0, 5619.0, 5421.0, 5507.0, 5669.0, 5602.0, 5516.0, 5269.0, 5373.0, 5506.0, 5528.0, 5486.0, 5512.0, 5371.0, 5520.0, 5582.0, 5617.0, 5590.0, 5343.0, 5674.0, 5490.0, 5282.0, 5508.0, 5256.0, 5384.0, 5647.0, 5715.0, 5481.0, 5326.0, 5414.0, 5596.0, 5670.0, 5615.0, 5717.0, 5540.0, 5527.0, 5355.0, 5345.0, 5539.0, 5560.0, 5574.0, 5467.0, 5451.0, 5270.0, 5514.0, 5469.0, 5393.0, 5260.0, 5548.0, 5492.0, 5385.0, 5664.0, 5458.0, 5308.0, 5254.0, 5367.0, 5660.0, 5427.0, 5295.0
2	5290	9	1	333	1	5570.0, 5600.0, 5327.0, 5273.0, 5433.0, 5309.0, 5649.0, 5265.0, 5334.0, 5686.0, 5626.0, 5488.0, 5431.0, 5518.0, 5541.0, 5542.0, 5374.0, 5498.0, 5546.0, 5717.0, 5390.0, 5528.0, 5554.0, 5520.0, 5282.0, 5459.0, 5281.0, 5656.0, 5521.0, 5257.0, 5353.0, 5458.0, 5605.0, 5557.0, 5689.0, 5410.0, 5562.0, 5272.0, 5668.0, 5685.0, 5694.0, 5350.0, 5522.0, 5322.0, 5497.0, 5362.0, 5588.0, 5679.0, 5544.0, 5624.0, 5466.0, 5463.0, 5305.0, 5373.0, 5347.0, 5338.0, 5565.0, 5495.0, 5568.0, 5413.0, 5631.0, 5365.0, 5523.0, 5680.0, 5708.0, 5401.0, 5364.0, 5636.0, 5441.0, 5331.0, 5425.0, 5259.0, 5539.0, 5349.0, 5634.0, 5454.0, 5650.0, 5344.0, 5502.0, 5293.0, 5270.0, 5659.0, 5444.0, 5451.0, 5287.0, 5582.0, 5474.0, 5602.0, 5662.0, 5665.0, 5591.0, 5321.0, 5698.0, 5696.0, 5543.0, 5447.0, 5418.0, 5414.0, 5312.0, 5336.0
3	5290	9	1	333	1	5580.0, 5572.0, 5363.0, 5356.0, 5620.0, 5343.0, 5439.0, 5499.0, 5665.0, 5348.0, 5663.0, 5404.0, 5289.0, 5594.0, 5346.0, 5266.0, 5433.0, 5519.0, 5458.0, 5259.0, 5459.0, 5367.0, 5296.0, 5711.0, 5313.0, 5485.0, 5604.0, 5557.0, 5332.0, 5302.0, 5413.0, 5431.0, 5694.0, 5539.0, 5699.0, 5254.0, 5480.0, 5463.0, 5656.0, 5503.0, 5603.0, 5264.0, 5444.0, 5666.0, 5685.0, 5287.0, 5674.0, 5437.0, 5501.0, 5586.0, 5578.0, 5371.0, 5624.0, 5349.0, 5318.0, 5486.0, 5366.0, 5564.0, 5429.0, 5562.0, 5700.0, 5370.0, 5533.0, 5322.0, 5517.0,

						5546.0, 5506.0, 5305.0, 5566.0, 5352.0, 5267.0, 5451.0, 5340.0, 5270.0, 5303.0, 5507.0, 5686.0, 5553.0, 5545.0, 5448.0, 5600.0, 5381.0, 5661.0, 5521.0, 5411.0, 5341.0, 5573.0, 5347.0, 5563.0, 5468.0, 5602.0, 5646.0, 5268.0, 5525.0, 5277.0, 5579.0, 5702.0, 5368.0, 5355.0, 5631.0
4	5290	9	1	333	1	5376.0, 5285.0, 5413.0, 5683.0, 5689.0, 5579.0, 5470.0, 5291.0, 5704.0, 5567.0, 5641.0, 5537.0, 5251.0, 5507.0, 5504.0, 5535.0, 5571.0, 5603.0, 5279.0, 5631.0, 5461.0, 5633.0, 5440.0, 5347.0, 5720.0, 5681.0, 5254.0, 5299.0, 5630.0, 5462.0, 5429.0, 5351.0, 5640.0, 5407.0, 5560.0, 5260.0, 5706.0, 5614.0, 5703.0, 5380.0, 5401.0, 5409.0, 5566.0, 5506.0, 5428.0, 5672.0, 5352.0, 5687.0, 5584.0, 5651.0, 5290.0, 5308.0, 5307.0, 5335.0, 5619.0, 5426.0, 5312.0, 5627.0, 5497.0, 5542.0, 5452.0, 5372.0, 5493.0, 5264.0, 5427.0, 5415.0, 5269.0, 5271.0, 5394.0, 5451.0, 5660.0, 5714.0, 5499.0, 5612.0, 5255.0, 5675.0, 5353.0, 5708.0, 5369.0, 5569.0, 5538.0, 5343.0, 5616.0, 5558.0, 5629.0, 5722.0, 5411.0, 5709.0, 5508.0, 5358.0, 5359.0, 5618.0, 5370.0, 5337.0, 5707.0, 5475.0, 5419.0, 5580.0, 5288.0, 5361.0
5	5290	9	1	333	1	5346.0, 5675.0, 5513.0, 5368.0, 5719.0, 5402.0, 5485.0, 5570.0, 5471.0, 5474.0, 5464.0, 5593.0, 5447.0, 5347.0, 5278.0, 5322.0, 5457.0, 5628.0, 5523.0, 5653.0, 5677.0, 5284.0, 5681.0, 5597.0, 5404.0, 5321.0, 5683.0, 5699.0, 5392.0, 5535.0, 5433.0, 5456.0, 5323.0, 5470.0, 5353.0, 5539.0, 5633.0, 5397.0, 5561.0, 5576.0, 5533.0, 5515.0, 5695.0, 5309.0, 5320.0, 5376.0, 5415.0, 5386.0, 5493.0, 5562.0, 5448.0, 5430.0, 5546.0, 5264.0, 5480.0, 5660.0, 5599.0, 5299.0, 5588.0, 5549.0, 5522.0, 5313.0, 5558.0, 5326.0, 5661.0, 5437.0, 5547.0, 5509.0, 5378.0, 5668.0, 5705.0, 5701.0, 5691.0, 5315.0, 5589.0, 5401.0, 5277.0, 5662.0, 5712.0, 5472.0, 5706.0, 5318.0, 5311.0, 5679.0, 5641.0, 5584.0, 5590.0, 5498.0, 5632.0, 5698.0, 5704.0, 5663.0, 5640.0, 5409.0, 5381.0, 5394.0, 5360.0, 5476.0, 5611.0, 5293.0
6	5290	9	1	333	1	5569.0, 5395.0, 5474.0, 5604.0, 5546.0, 5719.0, 5684.0, 5593.0, 5491.0, 5365.0, 5313.0, 5658.0, 5350.0, 5551.0, 5321.0, 5497.0, 5475.0, 5322.0, 5461.0, 5720.0, 5637.0, 5698.0, 5305.0, 5526.0, 5451.0, 5699.0, 5548.0, 5553.0, 5269.0, 5655.0, 5464.0, 5678.0, 5571.0, 5438.0, 5294.0, 5304.0, 5333.0, 5599.0, 5455.0, 5354.0, 5400.0, 5564.0, 5298.0, 5492.0, 5312.0, 5585.0, 5610.0, 5572.0, 5328.0, 5543.0, 5568.0, 5309.0, 5545.0, 5688.0, 5547.0, 5513.0, 5503.0, 5506.0, 5644.0, 5343.0,



						5709.0, 5479.0, 5582.0, 5483.0, 5413.0, 5630.0, 5613.0, 5528.0, 5640.0, 5508.0, 5348.0, 5347.0, 5382.0, 5531.0, 5268.0, 5344.0, 5665.0, 5454.0, 5659.0, 5384.0, 5293.0, 5260.0, 5426.0, 5270.0, 5394.0, 5274.0, 5356.0, 5701.0, 5420.0, 5430.0, 5376.0, 5556.0, 5631.0, 5378.0, 5485.0, 5559.0, 5687.0, 5459.0, 5386.0, 5370.0
7	5290	9	1	333	1	5410.0, 5634.0, 5511.0, 5629.0, 5365.0, 5295.0, 5598.0, 5493.0, 5458.0, 5491.0, 5254.0, 5406.0, 5686.0, 5644.0, 5712.0, 5439.0, 5380.0, 5369.0, 5670.0, 5605.0, 5612.0, 5645.0, 5463.0, 5660.0, 5714.0, 5481.0, 5667.0, 5307.0, 5518.0, 5464.0, 5432.0, 5482.0, 5396.0, 5637.0, 5516.0, 5521.0, 5506.0, 5374.0, 5622.0, 5332.0, 5639.0, 5308.0, 5465.0, 5338.0, 5386.0, 5512.0, 5613.0, 5405.0, 5497.0, 5378.0, 5583.0, 5444.0, 5565.0, 5674.0, 5719.0, 5597.0, 5413.0, 5473.0, 5531.0, 5424.0, 5341.0, 5387.0, 5257.0, 5555.0, 5715.0, 5467.0, 5470.0, 5290.0, 5603.0, 5587.0, 5640.0, 5448.0, 5433.0, 5505.0, 5367.0, 5494.0, 5355.0, 5366.0, 5542.0, 5411.0, 5334.0, 5624.0, 5395.0, 5471.0, 5427.0, 5713.0, 5621.0, 5538.0, 5577.0, 5434.0, 5304.0, 5426.0, 5561.0, 5704.0, 5425.0, 5420.0, 5654.0, 5457.0, 5682.0, 5414.0
8	5290	9	1	333	1	5293.0, 5607.0, 5647.0, 5545.0, 5336.0, 5704.0, 5381.0, 5577.0, 5723.0, 5300.0, 5585.0, 5517.0, 5643.0, 5648.0, 5375.0, 5291.0, 5624.0, 5590.0, 5593.0, 5716.0, 5313.0, 5367.0, 5326.0, 5592.0, 5550.0, 5466.0, 5644.0, 5292.0, 5539.0, 5522.0, 5660.0, 5347.0, 5415.0, 5657.0, 5481.0, 5421.0, 5394.0, 5436.0, 5316.0, 5391.0, 5281.0, 5324.0, 5629.0, 5576.0, 5675.0, 5440.0, 5606.0, 5412.0, 5445.0, 5667.0, 5557.0, 5594.0, 5288.0, 5544.0, 5543.0, 5574.0, 5487.0, 5565.0, 5655.0, 5538.0, 5542.0, 5700.0, 5371.0, 5521.0, 5499.0, 5556.0, 5480.0, 5410.0, 5611.0, 5636.0, 5506.0, 5484.0, 5423.0, 5586.0, 5631.0, 5318.0, 5474.0, 5255.0, 5701.0, 5385.0, 5267.0, 5567.0, 5366.0, 5676.0, 5360.0, 5357.0, 5468.0, 5503.0, 5494.0, 5583.0, 5530.0, 5673.0, 5656.0, 5446.0, 5356.0, 5395.0, 5505.0, 5413.0, 5640.0, 5575.0
9	5290	9	1	333	1	5596.0, 5342.0, 5698.0, 5607.0, 5590.0, 5554.0, 5391.0, 5407.0, 5499.0, 5457.0, 5565.0, 5498.0, 5277.0, 5355.0, 5623.0, 5401.0, 5668.0, 5567.0, 5709.0, 5620.0, 5682.0, 5439.0, 5527.0, 5492.0, 5413.0, 5480.0, 5562.0, 5708.0, 5370.0, 5610.0, 5325.0, 5557.0, 5268.0, 5695.0, 5394.0, 5270.0, 5601.0, 5589.0, 5560.0, 5656.0, 5648.0, 5260.0, 5547.0, 5622.0, 5471.0, 5669.0, 5700.0, 5296.0, 5532.0, 5442.0, 5309.0, 5252.0, 5305.0, 5366.0, 5491.0,

						5362.0, 5711.0, 5389.0, 5678.0, 5462.0, 5314.0, 5520.0, 5501.0, 5477.0, 5543.0, 5396.0, 5680.0, 5384.0, 5697.0, 5451.0, 5448.0, 5629.0, 5540.0, 5367.0, 5653.0, 5513.0, 5484.0, 5264.0, 5592.0, 5387.0, 5410.0, 5519.0, 5606.0, 5530.0, 5657.0, 5251.0, 5450.0, 5363.0, 5718.0, 5253.0, 5497.0, 5301.0, 5539.0, 5443.0, 5461.0, 5561.0, 5306.0, 5564.0, 5597.0, 5712.0
10	5290	9	1	333	1	5562.0, 5337.0, 5369.0, 5377.0, 5373.0, 5501.0, 5594.0, 5680.0, 5652.0, 5672.0, 5523.0, 5661.0, 5566.0, 5622.0, 5312.0, 5408.0, 5606.0, 5630.0, 5250.0, 5380.0, 5531.0, 5363.0, 5409.0, 5487.0, 5589.0, 5385.0, 5493.0, 5708.0, 5717.0, 5350.0, 5253.0, 5595.0, 5588.0, 5407.0, 5489.0, 5720.0, 5580.0, 5569.0, 5267.0, 5446.0, 5692.0, 5617.0, 5484.0, 5438.0, 5645.0, 5698.0, 5511.0, 5387.0, 5506.0, 5427.0, 5254.0, 5399.0, 5623.0, 5496.0, 5702.0, 5300.0, 5719.0, 5405.0, 5555.0, 5344.0, 5311.0, 5616.0, 5713.0, 5391.0, 5423.0, 5574.0, 5449.0, 5550.0, 5537.0, 5637.0, 5711.0, 5610.0, 5563.0, 5260.0, 5587.0, 5348.0, 5666.0, 5515.0, 5552.0, 5634.0, 5691.0, 5548.0, 5336.0, 5626.0, 5293.0, 5271.0, 5378.0, 5544.0, 5579.0, 5598.0, 5390.0, 5316.0, 5352.0, 5700.0, 5577.0, 5430.0, 5679.0, 5656.0, 5603.0, 5417.0
11	5290	9	1	333	1	5359.0, 5627.0, 5311.0, 5459.0, 5617.0, 5700.0, 5628.0, 5721.0, 5429.0, 5446.0, 5472.0, 5595.0, 5508.0, 5262.0, 5466.0, 5619.0, 5440.0, 5431.0, 5420.0, 5298.0, 5667.0, 5293.0, 5504.0, 5557.0, 5290.0, 5269.0, 5584.0, 5521.0, 5470.0, 5368.0, 5347.0, 5616.0, 5416.0, 5253.0, 5448.0, 5276.0, 5251.0, 5535.0, 5307.0, 5587.0, 5317.0, 5526.0, 5718.0, 5497.0, 5486.0, 5392.0, 5422.0, 5621.0, 5664.0, 5548.0, 5342.0, 5279.0, 5630.0, 5333.0, 5482.0, 5270.0, 5529.0, 5670.0, 5550.0, 5600.0, 5402.0, 5716.0, 5419.0, 5287.0, 5407.0, 5381.0, 5516.0, 5511.0, 5713.0, 5701.0, 5684.0, 5456.0, 5406.0, 5665.0, 5705.0, 5679.0, 5362.0, 5322.0, 5453.0, 5656.0, 5488.0, 5527.0, 5572.0, 5371.0, 5345.0, 5391.0, 5539.0, 5316.0, 5691.0, 5653.0, 5638.0, 5294.0, 5687.0, 5540.0, 5288.0, 5513.0, 5332.0, 5538.0, 5666.0, 5384.0
12	5290	9	1	333	1	5623.0, 5690.0, 5568.0, 5641.0, 5500.0, 5707.0, 5376.0, 5507.0, 5633.0, 5443.0, 5528.0, 5530.0, 5506.0, 5578.0, 5519.0, 5545.0, 5559.0, 5586.0, 5366.0, 5395.0, 5659.0, 5640.0, 5307.0, 5432.0, 5629.0, 5591.0, 5426.0, 5405.0, 5323.0, 5341.0, 5671.0, 5291.0, 5292.0, 5501.0, 5554.0, 5649.0, 5273.0, 5660.0, 5393.0, 5563.0, 5389.0, 5435.0, 5276.0, 5429.0, 5412.0, 5488.0, 5505.0, 5448.0, 5321.0, 5605.0,

						5637.0, 5487.0, 5380.0, 5665.0, 5692.0, 5431.0, 5278.0, 5265.0, 5552.0, 5525.0, 5489.0, 5480.0, 5608.0, 5492.0, 5697.0, 5620.0, 5667.0, 5425.0, 5476.0, 5414.0, 5289.0, 5712.0, 5502.0, 5522.0, 5421.0, 5401.0, 5252.0, 5560.0, 5272.0, 5318.0, 5493.0, 5349.0, 5658.0, 5325.0, 5648.0, 5555.0, 5508.0, 5705.0, 5470.0, 5720.0, 5504.0, 5709.0, 5600.0, 5546.0, 5553.0, 5509.0, 5420.0, 5686.0, 5351.0, 5715.0
13	5290	9	1	333	1	5310.0, 5388.0, 5523.0, 5660.0, 5618.0, 5573.0, 5387.0, 5459.0, 5272.0, 5362.0, 5275.0, 5261.0, 5371.0, 5655.0, 5648.0, 5661.0, 5602.0, 5712.0, 5567.0, 5405.0, 5675.0, 5399.0, 5498.0, 5319.0, 5292.0, 5698.0, 5434.0, 5500.0, 5592.0, 5645.0, 5717.0, 5568.0, 5613.0, 5294.0, 5398.0, 5543.0, 5700.0, 5499.0, 5488.0, 5258.0, 5575.0, 5267.0, 5350.0, 5724.0, 5532.0, 5480.0, 5374.0, 5682.0, 5501.0, 5334.0, 5421.0, 5290.0, 5493.0, 5623.0, 5359.0, 5519.0, 5652.0, 5439.0, 5598.0, 5418.0, 5640.0, 5251.0, 5680.0, 5330.0, 5437.0, 5318.0, 5706.0, 5538.0, 5327.0, 5541.0, 5466.0, 5668.0, 5513.0, 5604.0, 5497.0, 5529.0, 5571.0, 5537.0, 5342.0, 5408.0, 5588.0, 5558.0, 5367.0, 5322.0, 5469.0, 5264.0, 5426.0, 5262.0, 5703.0, 5338.0, 5381.0, 5597.0, 5471.0, 5368.0, 5313.0, 5593.0, 5564.0, 5323.0, 5353.0, 5502.0
14	5290	9	1	333	1	5425.0, 5384.0, 5461.0, 5282.0, 5669.0, 5647.0, 5474.0, 5263.0, 5658.0, 5633.0, 5557.0, 5401.0, 5385.0, 5302.0, 5451.0, 5684.0, 5701.0, 5675.0, 5320.0, 5388.0, 5393.0, 5688.0, 5718.0, 5570.0, 5692.0, 5608.0, 5402.0, 5338.0, 5481.0, 5710.0, 5604.0, 5594.0, 5486.0, 5497.0, 5286.0, 5324.0, 5702.0, 5452.0, 5617.0, 5368.0, 5615.0, 5395.0, 5372.0, 5266.0, 5554.0, 5370.0, 5646.0, 5428.0, 5346.0, 5322.0, 5719.0, 5280.0, 5621.0, 5569.0, 5365.0, 5279.0, 5363.0, 5468.0, 5380.0, 5326.0, 5643.0, 5546.0, 5260.0, 5272.0, 5503.0, 5378.0, 5291.0, 5408.0, 5588.0, 5443.0, 5413.0, 5409.0, 5349.0, 5590.0, 5607.0, 5394.0, 5268.0, 5466.0, 5583.0, 5355.0, 5321.0, 5347.0, 5551.0, 5420.0, 5438.0, 5510.0, 5597.0, 5436.0, 5629.0, 5325.0, 5403.0, 5495.0, 5572.0, 5589.0, 5605.0, 5475.0, 5602.0, 5463.0, 5687.0, 5480.0
15	5290	9	1	333	1	5602.0, 5508.0, 5284.0, 5494.0, 5702.0, 5675.0, 5452.0, 5316.0, 5518.0, 5700.0, 5573.0, 5560.0, 5490.0, 5409.0, 5353.0, 5673.0, 5636.0, 5306.0, 5704.0, 5487.0, 5443.0, 5559.0, 5611.0, 5692.0, 5629.0, 5642.0, 5644.0, 5298.0, 5287.0, 5626.0, 5462.0, 5579.0, 5499.0, 5396.0, 5552.0, 5633.0, 5339.0, 5299.0, 5502.0, 5338.0, 5334.0, 5397.0, 5610.0, 5471.0, 5399.0,

						5390.0, 5329.0, 5562.0, 5322.0, 5694.0, 5505.0, 5323.0, 5713.0, 5324.0, 5707.0, 5543.0, 5285.0, 5472.0, 5567.0, 5422.0, 5428.0, 5711.0, 5290.0, 5319.0, 5591.0, 5569.0, 5437.0, 5460.0, 5689.0, 5674.0, 5687.0, 5366.0, 5294.0, 5535.0, 5374.0, 5716.0, 5625.0, 5481.0, 5652.0, 5456.0, 5638.0, 5624.0, 5558.0, 5262.0, 5475.0, 5468.0, 5641.0, 5680.0, 5263.0, 5403.0, 5531.0, 5718.0, 5699.0, 5664.0, 5655.0, 5511.0, 5643.0, 5582.0, 5693.0, 5521.0
16	5290	9	1	333	1	5442.0, 5304.0, 5260.0, 5538.0, 5602.0, 5297.0, 5507.0, 5493.0, 5338.0, 5626.0, 5485.0, 5660.0, 5674.0, 5348.0, 5471.0, 5255.0, 5324.0, 5672.0, 5401.0, 5685.0, 5453.0, 5623.0, 5385.0, 5569.0, 5606.0, 5427.0, 5543.0, 5612.0, 5368.0, 5299.0, 5301.0, 5293.0, 5548.0, 5576.0, 5467.0, 5422.0, 5583.0, 5465.0, 5644.0, 5482.0, 5380.0, 5632.0, 5431.0, 5330.0, 5413.0, 5284.0, 5618.0, 5479.0, 5438.0, 5290.0, 5419.0, 5349.0, 5373.0, 5565.0, 5376.0, 5540.0, 5571.0, 5615.0, 5462.0, 5528.0, 5313.0, 5564.0, 5367.0, 5428.0, 5499.0, 5691.0, 5600.0, 5266.0, 5314.0, 5470.0, 5658.0, 5547.0, 5723.0, 5328.0, 5651.0, 5421.0, 5292.0, 5682.0, 5640.0, 5698.0, 5327.0, 5281.0, 5649.0, 5559.0, 5635.0, 5504.0, 5594.0, 5662.0, 5394.0, 5272.0, 5423.0, 5439.0, 5414.0, 5265.0, 5426.0, 5315.0, 5638.0, 5444.0, 5676.0, 5537.0
17	5290	9	1	333	1	5591.0, 5477.0, 5571.0, 5384.0, 5659.0, 5253.0, 5549.0, 5561.0, 5312.0, 5385.0, 5506.0, 5577.0, 5456.0, 5375.0, 5442.0, 5524.0, 5474.0, 5711.0, 5600.0, 5648.0, 5439.0, 5347.0, 5705.0, 5420.0, 5466.0, 5386.0, 5327.0, 5502.0, 5702.0, 5489.0, 5660.0, 5570.0, 5433.0, 5655.0, 5432.0, 5369.0, 5504.0, 5516.0, 5311.0, 5715.0, 5602.0, 5255.0, 5391.0, 5393.0, 5304.0, 5628.0, 5540.0, 5721.0, 5664.0, 5437.0, 5434.0, 5483.0, 5700.0, 5638.0, 5476.0, 5356.0, 5425.0, 5719.0, 5324.0, 5428.0, 5399.0, 5308.0, 5267.0, 5445.0, 5362.0, 5458.0, 5636.0, 5277.0, 5658.0, 5647.0, 5400.0, 5546.0, 5511.0, 5667.0, 5539.0, 5319.0, 5373.0, 5583.0, 5528.0, 5599.0, 5424.0, 5446.0, 5673.0, 5284.0, 5701.0, 5603.0, 5364.0, 5422.0, 5336.0, 5365.0, 5538.0, 5714.0, 5310.0, 5508.0, 5318.0, 5637.0, 5429.0, 5533.0, 5552.0, 5349.0
18	5290	9	1	333	1	5683.0, 5463.0, 5414.0, 5465.0, 5436.0, 5437.0, 5395.0, 5256.0, 5383.0, 5528.0, 5433.0, 5613.0, 5373.0, 5593.0, 5439.0, 5566.0, 5443.0, 5263.0, 5564.0, 5369.0, 5417.0, 5470.0, 5368.0, 5317.0, 5295.0, 5708.0, 5588.0, 5386.0, 5697.0, 5426.0, 5278.0, 5354.0, 5582.0, 5690.0, 5557.0, 5615.0, 5272.0, 5548.0, 5608.0, 5454.0,

						5337.0, 5349.0, 5577.0, 5587.0, 5633.0, 5719.0, 5502.0, 5444.0, 5362.0, 5524.0, 5599.0, 5341.0, 5438.0, 5300.0, 5435.0, 5314.0, 5629.0, 5344.0, 5372.0, 5637.0, 5662.0, 5340.0, 5500.0, 5584.0, 5657.0, 5527.0, 5345.0, 5287.0, 5357.0, 5330.0, 5715.0, 5554.0, 5270.0, 5626.0, 5304.0, 5416.0, 5666.0, 5514.0, 5721.0, 5476.0, 5510.0, 5603.0, 5642.0, 5397.0, 5279.0, 5434.0, 5631.0, 5583.0, 5723.0, 5495.0, 5550.0, 5532.0, 5590.0, 5604.0, 5283.0, 5315.0, 5644.0, 5475.0, 5420.0, 5284.0
19	5290	9	1	333	1	5368.0, 5406.0, 5378.0, 5572.0, 5630.0, 5326.0, 5299.0, 5646.0, 5386.0, 5693.0, 5548.0, 5330.0, 5374.0, 5454.0, 5526.0, 5252.0, 5480.0, 5300.0, 5525.0, 5441.0, 5666.0, 5357.0, 5470.0, 5373.0, 5534.0, 5319.0, 5253.0, 5311.0, 5317.0, 5648.0, 5342.0, 5596.0, 5275.0, 5324.0, 5297.0, 5349.0, 5440.0, 5612.0, 5407.0, 5623.0, 5258.0, 5318.0, 5364.0, 5346.0, 5286.0, 5615.0, 5276.0, 5296.0, 5504.0, 5442.0, 5633.0, 5372.0, 5493.0, 5556.0, 5643.0, 5629.0, 5652.0, 5673.0, 5499.0, 5681.0, 5325.0, 5306.0, 5635.0, 5626.0, 5603.0, 5426.0, 5707.0, 5472.0, 5439.0, 5496.0, 5291.0, 5267.0, 5384.0, 5264.0, 5355.0, 5660.0, 5516.0, 5465.0, 5266.0, 5530.0, 5412.0, 5518.0, 5449.0, 5579.0, 5675.0, 5559.0, 5362.0, 5259.0, 5558.0, 5432.0, 5621.0, 5581.0, 5320.0, 5541.0, 5370.0, 5366.0, 5339.0, 5280.0, 5437.0, 5687.0
20	5290	9	1	333	1	5338.0, 5579.0, 5442.0, 5691.0, 5619.0, 5585.0, 5675.0, 5255.0, 5509.0, 5362.0, 5602.0, 5475.0, 5567.0, 5556.0, 5341.0, 5597.0, 5532.0, 5357.0, 5720.0, 5693.0, 5722.0, 5459.0, 5369.0, 5273.0, 5317.0, 5307.0, 5315.0, 5711.0, 5481.0, 5690.0, 5552.0, 5374.0, 5269.0, 5541.0, 5323.0, 5677.0, 5639.0, 5645.0, 5672.0, 5557.0, 5275.0, 5285.0, 5389.0, 5543.0, 5700.0, 5641.0, 5649.0, 5278.0, 5596.0, 5683.0, 5692.0, 5717.0, 5547.0, 5723.0, 5384.0, 5276.0, 5638.0, 5305.0, 5428.0, 5695.0, 5478.0, 5594.0, 5401.0, 5493.0, 5520.0, 5373.0, 5325.0, 5397.0, 5342.0, 5265.0, 5375.0, 5681.0, 5626.0, 5586.0, 5364.0, 5474.0, 5324.0, 5504.0, 5580.0, 5288.0, 5684.0, 5394.0, 5498.0, 5634.0, 5319.0, 5721.0, 5698.0, 5263.0, 5528.0, 5392.0, 5282.0, 5495.0, 5656.0, 5620.0, 5409.0, 5393.0, 5352.0, 5679.0, 5710.0, 5381.0
21	5290	9	1	333	1	5683.0, 5527.0, 5698.0, 5684.0, 5475.0, 5477.0, 5356.0, 5674.0, 5535.0, 5624.0, 5638.0, 5680.0, 5360.0, 5351.0, 5648.0, 5503.0, 5584.0, 5669.0, 5577.0, 5511.0, 5520.0, 5474.0, 5307.0, 5561.0, 5571.0, 5484.0, 5297.0, 5526.0, 5573.0, 5566.0, 5552.0, 5301.0, 5397.0, 5649.0, 5716.0,

						5373.0, 5643.0, 5352.0, 5437.0, 5679.0, 5388.0, 5562.0, 5413.0, 5510.0, 5620.0, 5537.0, 5534.0, 5328.0, 5486.0, 5583.0, 5617.0, 5398.0, 5564.0, 5602.0, 5709.0, 5485.0, 5480.0, 5261.0, 5436.0, 5546.0, 5406.0, 5432.0, 5251.0, 5590.0, 5424.0, 5633.0, 5265.0, 5415.0, 5355.0, 5704.0, 5411.0, 5646.0, 5509.0, 5458.0, 5285.0, 5256.0, 5469.0, 5512.0, 5296.0, 5569.0, 5580.0, 5555.0, 5626.0, 5304.0, 5697.0, 5604.0, 5655.0, 5273.0, 5277.0, 5314.0, 5599.0, 5581.0, 5439.0, 5549.0, 5420.0, 5663.0, 5332.0, 5463.0, 5269.0, 5446.0
22	5290	9	1	333	1	5687.0, 5323.0, 5253.0, 5603.0, 5411.0, 5457.0, 5518.0, 5704.0, 5617.0, 5611.0, 5368.0, 5524.0, 5400.0, 5269.0, 5533.0, 5554.0, 5324.0, 5640.0, 5252.0, 5589.0, 5464.0, 5485.0, 5573.0, 5459.0, 5330.0, 5697.0, 5312.0, 5423.0, 5407.0, 5288.0, 5578.0, 5256.0, 5598.0, 5699.0, 5507.0, 5516.0, 5432.0, 5515.0, 5503.0, 5505.0, 5446.0, 5262.0, 5579.0, 5381.0, 5281.0, 5261.0, 5327.0, 5649.0, 5447.0, 5509.0, 5374.0, 5597.0, 5429.0, 5625.0, 5580.0, 5561.0, 5722.0, 5671.0, 5264.0, 5510.0, 5605.0, 5546.0, 5328.0, 5718.0, 5352.0, 5271.0, 5306.0, 5694.0, 5680.0, 5711.0, 5581.0, 5314.0, 5639.0, 5613.0, 5346.0, 5547.0, 5480.0, 5479.0, 5700.0, 5375.0, 5555.0, 5440.0, 5458.0, 5540.0, 5684.0, 5595.0, 5379.0, 5393.0, 5488.0, 5419.0, 5303.0, 5358.0, 5571.0, 5474.0, 5527.0, 5450.0, 5599.0, 5273.0, 5519.0, 5337.0
23	5290	9	1	333	1	5264.0, 5333.0, 5255.0, 5640.0, 5645.0, 5324.0, 5529.0, 5430.0, 5251.0, 5723.0, 5518.0, 5315.0, 5341.0, 5702.0, 5453.0, 5633.0, 5589.0, 5515.0, 5261.0, 5307.0, 5611.0, 5618.0, 5608.0, 5548.0, 5330.0, 5556.0, 5474.0, 5432.0, 5709.0, 5568.0, 5606.0, 5691.0, 5290.0, 5429.0, 5342.0, 5637.0, 5305.0, 5450.0, 5346.0, 5327.0, 5267.0, 5426.0, 5609.0, 5287.0, 5449.0, 5578.0, 5629.0, 5614.0, 5306.0, 5616.0, 5697.0, 5521.0, 5631.0, 5476.0, 5339.0, 5279.0, 5588.0, 5425.0, 5575.0, 5374.0, 5625.0, 5391.0, 5266.0, 5286.0, 5624.0, 5296.0, 5623.0, 5510.0, 5289.0, 5710.0, 5587.0, 5717.0, 5516.0, 5461.0, 5435.0, 5382.0, 5652.0, 5475.0, 5700.0, 5368.0, 5552.0, 5520.0, 5398.0, 5405.0, 5719.0, 5531.0, 5413.0, 5472.0, 5448.0, 5259.0, 5562.0, 5693.0, 5273.0, 5422.0, 5677.0, 5343.0, 5638.0, 5297.0, 5715.0, 5622.0
24	5290	9	1	333	1	5285.0, 5709.0, 5625.0, 5260.0, 5723.0, 5451.0, 5272.0, 5602.0, 5279.0, 5473.0, 5414.0, 5273.0, 5606.0, 5402.0, 5550.0, 5489.0, 5622.0, 5649.0, 5293.0, 5608.0, 5561.0, 5594.0, 5294.0, 5444.0, 5376.0, 5263.0, 5434.0, 5428.0, 5352.0, 5280.0,

						5637.0, 5492.0, 5532.0, 5601.0, 5286.0, 5464.0, 5353.0, 5368.0, 5441.0, 5332.0, 5401.0, 5472.0, 5267.0, 5639.0, 5418.0, 5614.0, 5678.0, 5662.0, 5429.0, 5549.0, 5577.0, 5462.0, 5396.0, 5661.0, 5564.0, 5478.0, 5679.0, 5420.0, 5587.0, 5566.0, 5658.0, 5316.0, 5433.0, 5412.0, 5442.0, 5498.0, 5556.0, 5427.0, 5265.0, 5313.0, 5719.0, 5277.0, 5693.0, 5426.0, 5479.0, 5486.0, 5647.0, 5620.0, 5407.0, 5676.0, 5573.0, 5317.0, 5304.0, 5400.0, 5674.0, 5476.0, 5527.0, 5574.0, 5379.0, 5394.0, 5669.0, 5632.0, 5700.0, 5261.0, 5553.0, 5558.0, 5419.0, 5351.0, 5271.0, 5544.0
25	5290	9	1	333	1	5582.0, 5404.0, 5655.0, 5507.0, 5578.0, 5387.0, 5256.0, 5723.0, 5287.0, 5346.0, 5537.0, 5463.0, 5283.0, 5388.0, 5682.0, 5368.0, 5399.0, 5345.0, 5649.0, 5664.0, 5438.0, 5615.0, 5419.0, 5484.0, 5253.0, 5519.0, 5691.0, 5641.0, 5470.0, 5564.0, 5629.0, 5300.0, 5677.0, 5462.0, 5282.0, 5496.0, 5261.0, 5344.0, 5711.0, 5595.0, 5673.0, 5541.0, 5694.0, 5585.0, 5363.0, 5650.0, 5395.0, 5356.0, 5299.0, 5593.0, 5583.0, 5396.0, 5667.0, 5274.0, 5547.0, 5495.0, 5452.0, 5260.0, 5389.0, 5503.0, 5586.0, 5285.0, 5658.0, 5512.0, 5562.0, 5354.0, 5364.0, 5670.0, 5718.0, 5692.0, 5456.0, 5447.0, 5265.0, 5250.0, 5390.0, 5588.0, 5696.0, 5401.0, 5523.0, 5468.0, 5369.0, 5448.0, 5417.0, 5322.0, 5554.0, 5367.0, 5273.0, 5382.0, 5501.0, 5565.0, 5480.0, 5391.0, 5713.0, 5381.0, 5498.0, 5365.0, 5548.0, 5379.0, 5671.0, 5336.0
26	5290	9	1	333	1	5356.0, 5343.0, 5679.0, 5295.0, 5322.0, 5288.0, 5575.0, 5627.0, 5714.0, 5542.0, 5608.0, 5287.0, 5587.0, 5694.0, 5682.0, 5543.0, 5690.0, 5335.0, 5258.0, 5362.0, 5339.0, 5498.0, 5712.0, 5552.0, 5375.0, 5491.0, 5391.0, 5666.0, 5612.0, 5652.0, 5708.0, 5663.0, 5641.0, 5484.0, 5453.0, 5428.0, 5547.0, 5477.0, 5692.0, 5388.0, 5700.0, 5532.0, 5723.0, 5415.0, 5581.0, 5426.0, 5364.0, 5554.0, 5297.0, 5651.0, 5703.0, 5346.0, 5277.0, 5524.0, 5353.0, 5305.0, 5392.0, 5457.0, 5381.0, 5395.0, 5398.0, 5470.0, 5645.0, 5559.0, 5464.0, 5284.0, 5495.0, 5278.0, 5722.0, 5461.0, 5460.0, 5317.0, 5574.0, 5680.0, 5598.0, 5387.0, 5717.0, 5492.0, 5549.0, 5507.0, 5669.0, 5497.0, 5602.0, 5686.0, 5440.0, 5251.0, 5294.0, 5519.0, 5348.0, 5533.0, 5265.0, 5639.0, 5301.0, 5455.0, 5647.0, 5490.0, 5629.0, 5621.0, 5445.0, 5450.0
27	5290	9	1	333	1	5331.0, 5357.0, 5467.0, 5431.0, 5452.0, 5359.0, 5562.0, 5659.0, 5294.0, 5298.0, 5532.0, 5277.0, 5535.0, 5575.0, 5619.0, 5252.0, 5641.0, 5289.0, 5284.0, 5529.0, 5322.0, 5477.0, 5340.0, 5635.0, 5450.0

						5722.0, 5304.0, 5653.0, 5636.0, 5655.0, 5558.0, 5522.0, 5671.0, 5426.0, 5669.0, 5715.0, 5637.0, 5581.0, 5328.0, 5316.0, 5601.0, 5514.0, 5329.0, 5321.0, 5352.0, 5665.0, 5580.0, 5682.0, 5707.0, 5311.0, 5632.0, 5583.0, 5355.0, 5482.0, 5269.0, 5388.0, 5486.0, 5700.0, 5427.0, 5673.0, 5266.0, 5678.0, 5714.0, 5643.0, 5517.0, 5325.0, 5351.0, 5491.0, 5599.0, 5694.0, 5576.0, 5401.0, 5302.0, 5481.0, 5668.0, 5605.0, 5271.0, 5465.0, 5462.0, 5705.0, 5412.0, 5685.0, 5341.0, 5589.0, 5257.0, 5724.0, 5263.0, 5649.0, 5428.0, 5375.0, 5354.0, 5667.0, 5675.0, 5706.0, 5408.0, 5306.0, 5270.0, 5418.0, 5493.0, 5704.0
28	5290	9	1	333	1	5502.0, 5601.0, 5450.0, 5349.0, 5586.0, 5294.0, 5537.0, 5395.0, 5682.0, 5400.0, 5276.0, 5553.0, 5543.0, 5335.0, 5256.0, 5541.0, 5496.0, 5420.0, 5545.0, 5656.0, 5604.0, 5386.0, 5611.0, 5292.0, 5644.0, 5655.0, 5273.0, 5593.0, 5526.0, 5523.0, 5321.0, 5440.0, 5274.0, 5513.0, 5666.0, 5677.0, 5556.0, 5471.0, 5303.0, 5378.0, 5470.0, 5506.0, 5591.0, 5389.0, 5385.0, 5287.0, 5293.0, 5548.0, 5398.0, 5489.0, 5703.0, 5559.0, 5390.0, 5569.0, 5361.0, 5288.0, 5376.0, 5522.0, 5259.0, 5528.0, 5697.0, 5645.0, 5474.0, 5626.0, 5384.0, 5684.0, 5664.0, 5547.0, 5268.0, 5695.0, 5605.0, 5692.0, 5399.0, 5527.0, 5663.0, 5622.0, 5306.0, 5261.0, 5304.0, 5383.0, 5431.0, 5590.0, 5612.0, 5662.0, 5588.0, 5354.0, 5565.0, 5637.0, 5624.0, 5289.0, 5674.0, 5418.0, 5566.0, 5713.0, 5455.0, 5571.0, 5724.0, 5531.0, 5636.0, 5340.0
29	5290	9	1	333	1	5440.0, 5585.0, 5639.0, 5469.0, 5377.0, 5286.0, 5522.0, 5463.0, 5338.0, 5622.0, 5555.0, 5343.0, 5456.0, 5414.0, 5406.0, 5588.0, 5699.0, 5465.0, 5641.0, 5701.0, 5666.0, 5640.0, 5525.0, 5348.0, 5637.0, 5653.0, 5382.0, 5615.0, 5516.0, 5716.0, 5609.0, 5311.0, 5396.0, 5664.0, 5689.0, 5521.0, 5698.0, 5527.0, 5511.0, 5606.0, 5531.0, 5703.0, 5395.0, 5505.0, 5581.0, 5271.0, 5549.0, 5570.0, 5306.0, 5431.0, 5319.0, 5322.0, 5394.0, 5497.0, 5544.0, 5294.0, 5705.0, 5515.0, 5320.0, 5471.0, 5361.0, 5331.0, 5714.0, 5253.0, 5692.0, 5565.0, 5553.0, 5353.0, 5264.0, 5625.0, 5432.0, 5429.0, 5478.0, 5591.0, 5576.0, 5638.0, 5620.0, 5258.0, 5621.0, 5378.0, 5380.0, 5252.0, 5599.0, 5312.0, 5674.0, 5305.0, 5364.0, 5663.0, 5518.0, 5423.0, 5504.0, 5602.0, 5393.0, 5386.0, 5337.0, 5357.0, 5347.0, 5667.0, 5435.0, 5290.0
30	5290	9	1	333	1	5723.0, 5343.0, 5382.0, 5642.0, 5665.0, 5695.0, 5652.0, 5648.0, 5531.0, 5644.0, 5678.0, 5681.0, 5467.0, 5585.0, 5329.0, 5573.0, 5291.0, 5666.0, 5589.0, 5335.0,



						5621.0, 5455.0, 5650.0, 5501.0, 5601.0, 5625.0, 5372.0, 5530.0, 5717.0, 5412.0, 5558.0, 5264.0, 5302.0, 5433.0, 5426.0, 5416.0, 5328.0, 5362.0, 5418.0, 5268.0, 5432.0, 5352.0, 5720.0, 5253.0, 5492.0, 5293.0, 5475.0, 5604.0, 5395.0, 5483.0, 5568.0, 5271.0, 5508.0, 5591.0, 5414.0, 5651.0, 5318.0, 5590.0, 5453.0, 5574.0, 5692.0, 5472.0, 5458.0, 5422.0, 5401.0, 5608.0, 5451.0, 5348.0, 5334.0, 5696.0, 5368.0, 5691.0, 5464.0, 5576.0, 5356.0, 5317.0, 5721.0, 5381.0, 5326.0, 5499.0, 5358.0, 5701.0, 5657.0, 5523.0, 5319.0, 5420.0, 5562.0, 5297.0, 5507.0, 5421.0, 5486.0, 5532.0, 5663.0, 5288.0, 5719.0, 5667.0, 5519.0, 5516.0, 5575.0, 5550.0
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**80MHz**

<b>Radar SignalType</b>	<b>Waveform/Trial Number</b>	<b>Detection (%)</b>	<b>Limit (%)</b>	<b>Pass/Fail</b>
<b>Type 1A</b>	15	100%	60%	pass
<b>Type 1B</b>	15	100%	60%	pass
<b>Type 2</b>	30	100 %	60%	Pass
<b>Type 3</b>	30	93.3 %	60%	Pass
<b>Type 4</b>	30	93.3 %	60%	Pass
<b>Aggregate (Type1 to 4)</b>	120	96.67 %	80%	Pass
<b>Type 5</b>	120	100 %	80%	Pass
<b>Type 6</b>	30	100 %	70%	Pass

Please refer to the following statistical tables:

**5290MHz:****Radar Type 1A Statistical Performance**

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	99	1	538	1
2	5290	65	1	818	1
3	5290	76	1	698	1
4	5290	59	1	898	1
5	5290	81	1	658	1
6	5290	68	1	778	1
7	5290	63	1	838	1
8	5290	86	1	618	1
9	5290	92	1	578	1
10	5290	58	1	918	1
11	5290	74	1	718	1
12	5290	62	1	858	1
13	5290	72	1	738	1
14	5290	67	1	798	1
15	5290	57	1	938	1
Detection Percentage: 100% (>60%)					

**Radar Type 1B Statistical Performance**

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	41	1	1302	1
2	5290	28	1	1915	1
3	5290	31	1	1713	1
4	5290	19	1	2925	1
5	5290	27	1	2029	1
6	5290	86	1	620	1
7	5290	18	1	3036	1
8	5290	21	1	2629	1
9	5290	29	1	1878	1
10	5290	47	1	1138	1
Detection Percentage: 100 % (>60%)					

**Radar Type 2 Statistical Performance**

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	27	1.6	210	1
2	5290	29	3.1	161	1
3	5290	27	2	160	1
4	5290	28	1.2	206	1
5	5290	29	4.9	151	1
6	5290	28	1.1	165	1
7	5290	24	1.4	199	1
8	5290	29	2.1	179	1
9	5290	26	3.7	181	1
10	5290	25	2.2	150	1
11	5290	28	2.7	181	1
12	5290	25	4.7	190	1
13	5290	27	3.3	154	1
14	5290	27	2.8	225	1
15	5290	23	2.6	223	1
16	5290	28	3.4	209	1
17	5290	29	3.2	154	1
18	5290	26	1.7	155	1
19	5290	27	1.3	195	1
20	5290	26	4.5	211	1
21	5290	28	3.1	206	1
22	5290	25	3.5	171	1
23	5290	25	4.6	162	1
24	5290	28	1	155	1
25	5290	28	2.5	166	1
26	5290	26	4.4	182	1
27	5290	26	1.2	196	1
28	5290	23	1.7	150	1
29	5290	26	2.2	180	1
30	5290	23	4.7	203	1
<b>Detection Percentage: 100 % (&gt;60%)</b>					

**Radar Type 3 Statistical Performance**

<b>Trial #</b>	<b>Fc (MHz)</b>	<b>Pulse/Burst</b>	<b>Pulse Width (µS)</b>	<b>PRI (µs)</b>	<b>Detection (1:yes; 0:no)</b>
1	5290	18	9.3	490	1
2	5290	16	9.4	327	1
3	5290	17	7.6	230	1
4	5290	18	7.3	256	0
5	5290	18	7.8	278	1
6	5290	17	6.8	417	1
7	5290	17	8.2	235	1
8	5290	16	9.4	431	1
9	5290	17	9.4	426	1
10	5290	18	9.7	330	1
11	5290	18	9.4	461	1
12	5290	16	7.2	485	1
13	5290	16	6.8	238	1
14	5290	17	6.9	453	1
15	5290	16	8.4	436	1
16	5290	16	8.2	471	1
17	5290	17	7.7	345	1
18	5290	16	8.2	416	1
19	5290	16	7.2	377	1
20	5290	16	7.1	470	1
21	5290	16	8.7	412	1
22	5290	16	6.4	347	1
23	5290	16	8	500	1
24	5290	17	6.6	297	1
25	5290	17	8.4	454	1
26	5290	16	10	317	1
27	5290	17	8.1	496	0
28	5290	18	7.4	472	1
29	5290	18	6.9	263	1
30	5290	16	8.1	445	1
<b>Detection Percentage: 93.3% (&gt;60%)</b>					

**Radar Type 4 Statistical Performance**

<b>Trial #</b>	<b>Fc (MHz)</b>	<b>Pulse/Burst</b>	<b>Pulse Width (μS)</b>	<b>PRI (μs)</b>	<b>Detection (1:yes; 0:no)</b>
1	5290	12	15.7	205	1
2	5290	14	12	300	0
3	5290	15	19.5	397	1
4	5290	12	11.8	292	1
5	5290	13	17.8	219	1
6	5290	16	19.9	348	1
7	5290	13	13.2	434	1
8	5290	12	18	297	1
9	5290	12	12.5	293	1
10	5290	12	16.6	426	1
11	5290	12	19.3	258	1
12	5290	15	19.8	237	1
13	5290	16	13.5	463	1
14	5290	13	14.7	331	1
15	5290	15	18	294	1
16	5290	12	17.7	287	1
17	5290	15	15.9	482	1
18	5290	15	15.1	335	0
19	5290	14	13.7	449	1
20	5290	14	19.6	276	1
21	5290	13	19	331	1
22	5290	12	18	327	1
23	5290	15	11.7	433	1
24	5290	14	14.8	438	1
25	5290	12	12.4	417	1
26	5290	15	11	415	1
27	5290	14	18.2	366	1
28	5290	13	18.7	299	1
29	5290	12	18.9	270	1
30	5290	13	18	334	1
<b>Detection Percentage: 93.3% (&gt;60%)</b>					

**Radar Type 5 Case 1 Statistical Performance**

Statistics 1 (ChirpCenter Frequency: 5290.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	12	94.8	1089	1338	0.475305	1
1	2	12	99.2	1580		0.875855	
2	2	12	66.2	1840		2.198646	
3	1	12	66.5			2.668229	
4	3	12	51	1342	1576	3.984972	
5	2	12	97.5	1148		4.706328	
6	2	12	54.4	1743		5.654238	
7	1	12	89.5			6.798916	
8	2	12	52	1449		7.631696	
9	2	12	71.7	1697		8.500318	
10	2	12	89.5	1479		9.271657	
11	3	12	99	1546	1546	9.940552	
12	2	12	94.3	1127		10.721317	
13	1	12	62.3			11.252163	

Statistics 2 (ChirpCenter Frequency: 5290.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	15	94.6			0.374986	1
1	2	15	61.3	1311		0.890614	
2	3	15	98.4	1625	1229	1.575186	
3	2	15	86.3	1567		2.812437	
4	2	15	67	1055		3.170883	
5	1	15	79.1			4.108304	
6	1	15	61.7			4.746567	
7	3	15	99.4	1745	1682	5.693972	
8	2	15	95.6	1507		6.06606	
9	1	15	68.1			6.820449	
10	2	15	89.2	1024		7.860934	
11	3	15	52.6	1818	1225	8.767196	
12	2	15	58.5	1612		9.488574	
13	3	15	58.1	1732	1181	10.171318	
14	2	15	79.9	1771		10.524786	
15	1	15	96.5			11.831457	

Statistics 3 (ChirpCenter Frequency: 5290.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	11	74.6	1288		0.267684	1
1	2	11	56.6	1003		1.201652	
2	2	11	63.7	1517		1.510624	
3	2	11	74.3	1958		2.329836	
4	2	11	64	1902		2.777252	
5	3	11	81.8	1266	1433	3.248386	
6	1	11	79.3			4.147389	
7	3	11	98.2	1828	1593	4.516583	
8	1	11	86.4			5.114904	
9	2	11	51.2	1504		5.75987	
10	2	11	80.4	1350		6.804108	
11	2	11	93.8	1920		7.306477	
12	3	11	89.7	1912	1992	7.701016	
13	2	11	77	1071		8.225299	
14	1	11	85.2			9.247184	
15	1	11	71.2			9.796313	
16	1	11	67.5			10.264925	
17	3	11	89.9	1159	1589	10.793856	
18	2	11	86.3	1690		11.930485	

Statistics 4 (ChirpCenter Frequency: 5290.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	8	98.3	1750		0.139383	1
1	3	8	58.7	1692	1555	1.055443	
2	1	8	74.7			1.448906	
3	1	8	52			2.387305	
4	1	8	64.5			2.878154	
5	2	8	87	1107		3.353	
6	1	8	77.7			4.59772	
7	2	8	59.8	1042		4.704011	
8	3	8	74.8	1468	1395	5.916656	
9	2	8	71.4	1306		6.194551	
10	1	8	91.1			6.863748	
11	2	8	54.9	1255		7.83693	
12	2	8	80.5	1038		8.083027	
13	3	8	51.6	1172	1566	9.180728	
14	1	8	66.8			9.6291	
15	3	8	75.9	1925	1433	10.062119	
16	2	8	86.9	1955		11.042299	
17	1	8	68.8			11.616652	



Statistics 5(ChirpCenter Frequency: 5290.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	12	54.5	1683	1630	0.644474	1
1	2	12	76.4	1137		1.952002	
2	3	12	96.7	1477	1577	2.253773	
3	2	12	51.7	1288		4.018245	
4	1	12	78.4			4.734272	
5	3	12	66.1	1218	1273	6.528668	
6	2	12	53.5	1924		7.185645	
7	2	12	90.6	1079		7.751178	
8	1	12	87.8			9.19209	
9	2	12	99	1904		10.255263	
10	2	12	61.7	1837		11.679409	

Statistics 6 (ChirpCenter Frequency: 5290.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	11	97.4	1961		0.271699	1
1	3	11	91.1	1484	1471	0.874904	
2	2	11	81.8	1125		1.806523	
3	3	11	96.1	1152	1999	3.407261	
4	3	11	56.6	1846	1749	3.505978	
5	2	11	95.4	1108		5.132646	
6	3	11	54.8	1403	1996	5.805115	
7	1	11	71.9			6.237468	
8	3	11	75.8	1275	1755	7.230776	
9	2	11	86.0	1413		8.49029	
10	2	11	61.5	1529		9.156864	
11	3	11	95.2	1528	1926	9.827628	
12	3	11	52.4	1808	1327	10.456365	
13	2	11	74.7	1039		11.487666	

Statistics 7(ChirpCenter Frequency: 5290.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	15	74.4	1458		1.121467	1
1	3	15	79.5	1676	1992	1.571464	
2	3	15	94.6	1800	1212	2.973292	
3	1	15	88.2			5.078739	
4	2	15	70.3	1352		5.33714	
5	2	15	66.2	1270		7.727396	
6	1	15	94			8.285444	
7	2	15	82	1766		9.703908	
8	2	15	60.6	1890		11.991072	

Statistics 8 (ChirpCenter Frequency: 5290.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	16	80	1945		0.088283	1
1	2	16	50.1	1483		0.949838	
2	2	16	91.7	1363		1.714645	
3	2	16	91.7	1582		2.492267	
4	2	16	74.1	1158		2.834331	
5	2	16	60.7	1036		3.673236	
6	1	16	97			4.248874	
7	1	16	50.9			5.025342	
8	2	16	89.6	1394		6.15215	
9	3	16	86.9	1695	1263	6.905787	
10	3	16	82.8	1629	1314	7.492794	
11	3	16	91.3	1153	1532	8.007575	
12	3	16	70.6	1920	1293	8.805813	
13	1	16	98.6			9.720206	
14	3	16	62	1229	1367	10.352651	
15	2	16	97.4	1066		10.655533	
16	2	16	99.5	1684		11.424876	

Statistics 9 (ChirpCenter Frequency: 5290.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	15	78.2	1733	1758	0.897607	1
1	3	15	60	1757	1695	1.611493	
2	2	15	86.4	1098		2.536575	
3	2	15	56.6	1635		2.771189	
4	2	15	56.4	1402		4.022426	
5	1	15	82.4			4.695345	
6	3	15	78.9	1968	1975	6.212303	
7	3	15	90.4	1653	1948	7.328898	
8	2	15	96.1	1664		8.11812	
9	2	15	59.3	1750		8.918937	
10	2	15	55.1	1817		10.12635	
11	1	15	69.5			10.180754	
12	2	15	76.2	1238		11.349356	

Statistics 10 (ChirpCenter Frequency: 5290.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	11	56.4	1165		0.37589	1
1	2	11	97.7	1425		0.786787	
2	1	11	58.1			1.899176	
3	1	11	71.3			2.640972	
4	1	11	81			2.839915	
5	2	11	73.4	1656		3.40142	
6	2	11	95.5	1605		4.391591	
7	1	11	64.1			4.734318	
8	2	11	90.3	1429		5.887122	
9	3	11	90.8	1737	1597	6.14192	
10	1	11	80.9			6.928915	
11	3	11	77.5	1879	1668	7.838741	
12	1	11	54.6			8.182417	
13	2	11	70.1	1342		8.882815	
14	3	11	83.3	1807	1434	9.840807	
15	2	11	60.3	1736		10.65839	
16	2	11	97.3	1686		10.882748	
17	2	11	52.2	1154		11.764289	

**Radar Type 5 Case 2 Statistical Performance**

Statistics 1 (ChirpCenter Frequency: 5254.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	10	92	1984		0.226712	1
1	2	10	86.3	1815		2.365814	
2	3	10	84.9	1124	1186	2.902037	
3	3	10	65.4	1105	1481	4.154106	
4	2	10	69.9	1244		5.051363	
5	2	10	52.7	1404		6.989862	
6	3	10	84.1	1686	1624	8.260235	
7	3	10	54.5	1233	1460	8.412026	
8	1	10	86.1			10.639883	
9	2	10	90.8	1813		11.177361	

Statistics 2 (ChirpCenter Frequency: 5258.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	20	92.7	1900		0.272221	1
1	2	20	68.6	1118		1.985622	
2	2	20	97.1	1443		2.425329	
3	2	20	98.8	1005		3.437225	
4	1	20	60.9			4.513962	
5	3	20	97	1876	1567	6.328952	
6	3	20	89	1907	1182	7.566996	
7	2	20	76.2	1479		7.829332	
8	3	20	77.4	1224	1024	9.067237	
9	2	20	67.1	1145		10.267078	
10	2	20	61.8	1695		11.112444	

Statistics 3 (ChirpCenter Frequency: 5256.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	15	60.9	1760	1284	0.629091	1
1	3	15	64.5	1821	1346	0.741947	
2	2	15	54.6	1778		1.627007	
3	3	15	96.9	1957	1350	2.259494	
4	1	15	50.6			3.218588	
5	1	15	68.9			3.593571	
6	3	15	69.4	1642	1551	4.2267	
7	2	15	77.7	1568		4.950595	
8	3	15	88.7	1059	1023	5.496959	
9	2	15	95.7	1184		6.036039	
10	3	15	68.1	1232	1042	6.793552	
11	1	15	62.6			7.82028	
12	2	15	97	1588		8.530501	
13	2	15	84.3	1881		8.731135	
14	3	15	69.4	1529	1763	9.482897	
15	3	15	91.6	1527	1325	10.290651	
16	2	15	59.6	1121		10.94761	
17	1	15	94.8			11.388629	

Statistics 4 (ChirpCenter Frequency: 5254.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	9	92.2	1655		0.703443	1
1	3	9	87.9	1751	1241	0.952508	
2	3	9	71.4	1992	1302	1.616725	
3	2	9	95.3	1201		2.92664	
4	3	9	89.5	1007	1964	3.524154	
5	2	9	90.9	1190		3.926541	
6	2	9	87	1184		4.783688	
7	1	9	97.2			5.642216	
8	3	9	58.7	1578	1871	6.450045	
9	1	9	86.3			6.970559	
10	1	9	80.5			7.744059	
11	1	9	63.7			8.781016	
12	3	9	57.2	1211	1205	9.253213	
13	3	9	75	1174	1738	10.410538	
14	2	9	71.7	1676		10.845735	
15	3	9	73.3	1310	1330	11.82977	

## Statistics 5 (ChirpCenter Frequency: 5258.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	19	63.2			0.095193	1
1	1	19	88			1.260979	
2	2	19	68.5	1134		2.715018	
3	3	19	53	1744	1868	3.308374	
4	3	19	53.1	1337	1847	3.700814	
5	3	19	50	1971	1805	5.52348	
6	2	19	93	1270		5.78078	
7	3	19	69	1414	1928	7.303473	
8	1	19	62.7			7.503631	
9	2	19	51.1	1568		8.821042	
10	1	19	76.2			9.24853	
11	2	19	56.6	1567		10.57544	
12	2	19	65	1703		11.541903	

## Statistics 6 (ChirpCenter Frequency: 5258.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	20	57.1	1661	1528	0.239342	1
1	2	20	60.7	1474		1.957452	
2	2	20	72	1638		3.048889	
3	3	20	63.1	1275	1737	3.636621	
4	2	20	85	1158		5.32395	
5	1	20	84.1			6.181401	
6	2	20	87.9	1285		7.944528	
7	2	20	54.8	1393		8.595046	
8	2	20	95	1168		10.617955	
9	1	20	89.3			11.980799	

Statistics 7 (ChirpCenter Frequency: 5254.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	11	58.5	1503	1427	0.611825	1
1	3	11	79.9	1578	1344	1.331364	
2	3	11	83.9	1606	1339	2.002375	
3	1	11	98.8			2.150727	
4	2	11	92.6	1837		3.10647	
5	3	11	77.8	1663	1601	4.190393	
6	2	11	53.6	1044		4.78309	
7	1	11	59.5			5.351283	
8	3	11	89.9	1514	1584	6.257313	
9	1	11	65.9			6.451271	
10	2	11	62	1965		7.732367	
11	2	11	61.4	1078		8.150095	
12	2	11	62.8	1311		8.659839	
13	2	11	54.8	1287		9.712554	
14	1	11	55.8			10.407479	
15	2	11	71.2	1377		11.240176	
16	3	11	50.7	1961	1244	11.877961	

Statistics 8 (ChirpCenter Frequency: 5253.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	8	92.4	1782		0.196153	1
1	2	8	72.3	1133		1.631535	
2	2	8	62.4	1101		2.833019	
3	2	8	71	1314		4.073623	
4	3	8	91.1	1553	1618	6.403099	
5	2	8	55.2	1982		7.640199	
6	3	8	94.9	1686	1065	9.219447	
7	1	8	72.1			10.211742	
8	1	8	61.3			10.96496	

Statistics 9 (ChirpCenter Frequency: 5256.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	16	72.8			0.599896	1
1	2	16	67.7	1132		0.764233	
2	2	16	90.7	1685		1.566157	
3	1	16	73.4			2.255635	
4	2	16	65.5	1434		3.141772	
5	1	16	80.6			3.537282	
6	2	16	65	1312		4.207394	
7	2	16	96.6	1656		4.960082	
8	2	16	79.5	1599		5.549982	
9	1	16	50.3			6.503442	
10	2	16	83.9	1626		7.188906	
11	1	16	78.2			7.731939	
12	3	16	58	1936	1207	8.181795	
13	1	16	76.4			9.234983	
14	3	16	79.6	1842	1353	9.992427	
15	3	16	76.3	1580	1550	10.588464	
16	2	16	85.8	1600		11.108138	
17	2	16	96.6	1946		11.978963	

Statistics 10 (ChirpCenter Frequency: 5257.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	18	62			0.027506	1
1	3	18	77.7	1493	1487	1.607307	
2	1	18	53.6			2.104875	
3	1	18	91.1			2.662864	
4	1	18	88.8			3.750812	
5	2	18	59.4	1211		4.336266	
6	1	18	70.2			5.457129	
7	2	18	67.6	1325		6.260475	
8	2	18	85	1560		6.942904	
9	2	18	82.2	1189		8.10647	
10	2	18	55.3	1055		8.951582	
11	3	18	82.5	1924	1989	9.671078	
12	1	18	95.7			11.041532	
13	2	18	82.8	1413		11.203632	



**Radar Type 5 Case 3 Statistical Performance**

Statistics 1 (ChirpCenter Frequency: 5324.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	15	80.6	1299	1191	0.204127	1
1	3	15	68.4	1671	1270	1.211754	
2	2	15	59.7	1480		1.97442	
3	1	15	79.4			3.049919	
4	2	15	88.2	1232		4.124204	
5	2	15	62	1014		4.774129	
6	2	15	75.5	1530		5.758874	
7	2	15	66.7	1141		6.503979	
8	1	15	91.7			7.329036	
9	1	15	50.4			8.204894	
10	2	15	80.1	1176		8.83612	
11	2	15	96	1412		10.10101	
12	2	15	99.1	1917		10.4541	
13	2	15	60.3	1730		11.53384	

Statistics 2 (ChirpCenter Frequency: 5322.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	19	92	1692		0.392921	1
1	2	19	70.1	1010		1.066358	
2	3	19	93.7	1975	1400	1.98799	
3	2	19	92.7	1964		2.418677	
4	2	19	98.2	1168		3.418791	
5	2	19	78.8	1333		3.749644	
6	2	19	97.8	1204		4.386818	
7	2	19	89.3	1447		5.12005	
8	2	19	53.2	1319		5.773704	
9	1	19	62			6.894667	
10	2	19	65.2	1083		7.175471	
11	2	19	65.3	1552		7.925122	
12	1	19	65.9			9.169834	
13	2	19	97.7	1147		9.517786	
14	3	19	92.6	1767	1344	10.48624	
15	2	19	84.6	1282		11.16566	
16	2	19	70.4	1348		11.75261	

## Statistics 3 (ChirpCenter Frequency: 5326.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	10	60.7			0.09931	1
1	1	10	85.1			1.5037	
2	2	10	53	1046		2.512192	
3	1	10	94.7			4.434103	
4	2	10	53.7	1444		5.387121	
5	1	10	56.5			6.241115	
6	2	10	78.8	1862		8.280767	
7	2	10	73.3	1799		8.878784	
8	3	10	70.8	1864	1077	9.640638	
9	2	10	67.2	1433		10.94815	

## Statistics 4 (ChirpCenter Frequency: 5325.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	13	62.7			0.402823	1
1	1	13	72.8			0.729169	
2	2	13	52.5	1950		1.664764	
3	3	13	66.8	1006	1446	2.236256	
4	2	13	96.3	1907		3.096987	
5	3	13	74.2	1060	1888	3.286881	
6	1	13	50.4			4.097394	
7	3	13	99.9	1478	1615	4.429914	
8	3	13	55.2	1863	1814	5.547828	
9	2	13	76.7	1733		6.196426	
10	3	13	88.1	1127	1387	6.875066	
11	2	13	78.6	1340		7.471491	
12	1	13	51.8			7.640575	
13	2	13	66.8	1578		8.490843	
14	3	13	59.2	1519	1929	8.882226	
15	2	13	92.8	1430		9.511531	
16	2	13	80.6	1032		10.68967	
17	2	13	95	1620		11.10155	
18	2	13	88.6	1328		11.544937	

Statistics 5 (ChirpCenter Frequency: 5328.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	6	68	1984	1819	0.057611	1
1	2	6	84.6	1697		0.672006	
2	2	6	81.5	1010		1.773718	
3	3	6	82.8	1788	1453	2.190947	
4	2	6	87.1	1552		2.982002	
5	1	6	86.5			3.416681	
6	2	6	93.8	1584		4.110161	
7	3	6	86.1	1402	1174	5.286443	
8	3	6	71.1	1559	1672	5.900085	
9	2	6	99.5	1376		6.632125	
10	3	6	71.3	1740	1830	7.12977	
11	1	6	84.5			7.62894	
12	2	6	59.7	1804		8.452294	
13	3	6	78.8	1250	1897	9.136637	
14	3	6	53.5	1833	1376	9.876662	
15	2	6	92.4	1808		10.32895	
16	3	6	67.6	1423	1126	10.80272	
17	3	6	99.2	1525	1231	11.77524	

Statistics 6 (ChirpCenter Frequency: 5324.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	15	85.9	1643	1171	0.099595	1
1	2	15	68.5	1165		1.736583	
2	2	15	74.3	1931		3.171141	
3	3	15	70.6	1507	1156	3.967869	
4	1	15	68.2			5.14401	
5	2	15	99.3	1116		6.945685	
6	2	15	63.3	1861		8.249026	
7	2	15	63.1	1107		9.107247	
8	3	15	70.8	1909	1542	9.994469	
9	3	15	79.4	1623	1768	11.1119	

## Statistics 7 (ChirpCenter Frequency: 5327.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	8	59.4	1509	1934	0.08221	1
1	2	8	58.3	1204		0.967316	
2	2	8	65.1	1011		2.379586	
3	3	8	50.7	1349	1850	3.28143	
4	3	8	89.1	1094	1476	4.041525	
5	1	8	64.9			4.500342	
6	2	8	96.1	1912		5.165744	
7	1	8	78.4			6.796788	
8	2	8	51.7	1893		7.624593	
9	2	8	75.4	1627		8.472784	
10	3	8	57.4	1717	1208	9.310062	
11	2	8	61.9	1273		9.76588	
12	2	8	53.8	1133		10.8508	
13	2	8	86.8	1200		11.61682	

## Statistics 8 (ChirpCenter Frequency: 5326.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	11	68.6	1426	1706	0.484066	1
1	2	11	74.6	1322		1.714182	
2	3	11	91.1	1778	1350	2.042178	
3	2	11	83.4	1201		3.439405	
4	3	11	76.7	1524	1808	3.734843	
5	2	11	82.1	1727		4.779962	
6	2	11	57.8	1680		6.395542	
7	2	11	94.1	1745		6.634899	
8	3	11	94.2	1892	1715	8.101638	
9	2	11	74.3	1916		9.1299	
10	3	11	99.3	1382	1875	9.999894	
11	1	11	52.7			10.80111	
12	3	11	63.3	1022	1656	11.25096	

## Statistics 9 (ChirpCenter Frequency: 5326.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	11	62.8	1466		0.484876	1
1	1	11	81.8			1.399219	
2	2	11	71.6	1365		3.307849	
3	3	11	68.7	1256	1497	4.077601	
4	2	11	51.5	1669		6.110701	
5	2	11	93.5	1672		7.607086	
6	1	11	68.4			8.239588	
7	1	11	90.5			10.65557	
8	1	11	89.1			11.61649	

## Statistics 10 (ChirpCenter Frequency: 5323.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	18	55.6	1474	1212	0.551773	1
1	2	18	51.6	1083		0.727573	
2	2	18	51.1	1147		1.975244	
3	1	18	65.5			2.085944	
4	2	18	63.9	1959		3.038029	
5	2	18	54.2	1741		3.654256	
6	3	18	52.4	1502	1934	4.565194	
7	2	18	89.6	1700		5.06563	
8	3	18	99.6	1939	1596	5.587027	
9	3	18	56.5	1911	1634	6.371244	
10	2	18	62.3	1947		6.789717	
11	3	18	51.2	1597	1996	7.340267	
12	2	18	97.3	1838		8.231813	
13	2	18	72	1905		8.992762	
14	2	18	50.3	1365		9.597217	
15	2	18	96.8	1899		10.30883	
16	3	18	56.8	1434	1229	11.25849	
17	3	18	61.8	1024	1217	11.76432	

**Radar Type 6 Statistical Performance**

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)	Hopping Sequence (MHz)
1	5290	9	1	333	1	5454.0, 5481.0, 5699.0, 5397.0, 5401.0, 5568.0, 5361.0, 5574.0, 5357.0, 5491.0, 5390.0, 5385.0, 5443.0, 5456.0, 5388.0, 5524.0, 5619.0, 5278.0, 5476.0, 5659.0, 5719.0, 5400.0, 5693.0, 5708.0, 5523.0, 5515.0, 5521.0, 5383.0, 5289.0, 5646.0, 5451.0, 5479.0, 5334.0, 5661.0, 5687.0, 5352.0, 5266.0, 5368.0, 5471.0, 5294.0, 5652.0, 5472.0, 5347.0, 5499.0, 5353.0, 5284.0, 5605.0, 5527.0, 5660.0, 5354.0, 5596.0, 5389.0, 5578.0, 5561.0, 5304.0, 5551.0, 5375.0, 5287.0, 5311.0, 5644.0, 5276.0, 5538.0, 5382.0, 5497.0, 5302.0, 5251.0, 5620.0, 5396.0, 5366.0, 5694.0, 5444.0, 5603.0, 5657.0, 5545.0, 5509.0, 5336.0, 5721.0, 5371.0, 5565.0, 5614.0, 5582.0, 5423.0, 5263.0, 5622.0, 5428.0, 5489.0, 5692.0, 5704.0, 5272.0, 5327.0, 5682.0, 5621.0, 5576.0, 5458.0, 5634.0, 5419.0, 5571.0, 5338.0, 5413.0, 5372.0
2	5290	9	1	333	1	5357.0, 5389.0, 5601.0, 5398.0, 5663.0, 5254.0, 5629.0, 5378.0, 5410.0, 5255.0, 5338.0, 5715.0, 5487.0, 5385.0, 5652.0, 5468.0, 5392.0, 5405.0, 5352.0, 5326.0, 5683.0, 5626.0, 5610.0, 5481.0, 5466.0, 5259.0, 5316.0, 5388.0, 5678.0, 5640.0, 5514.0, 5561.0, 5480.0, 5631.0, 5434.0, 5422.0, 5536.0, 5700.0, 5519.0, 5718.0, 5547.0, 5712.0, 5276.0, 5401.0, 5438.0, 5454.0, 5717.0, 5374.0, 5478.0, 5295.0, 5279.0, 5566.0, 5596.0, 5538.0, 5630.0, 5484.0, 5497.0, 5391.0, 5699.0, 5555.0, 5679.0, 5643.0, 5409.0, 5274.0, 5549.0, 5633.0, 5335.0, 5413.0, 5508.0, 5556.0, 5474.0, 5330.0, 5506.0, 5649.0, 5563.0, 5645.0, 5416.0, 5582.0, 5509.0, 5341.0, 5343.0, 5697.0, 5473.0, 5635.0, 5393.0, 5664.0, 5390.0, 5575.0, 5313.0, 5327.0, 5551.0, 5534.0, 5296.0, 5344.0, 5565.0, 5659.0, 5618.0, 5339.0, 5644.0, 5704.0
3	5290	9	1	333	1	5276.0, 5713.0, 5280.0, 5551.0, 5432.0, 5341.0, 5544.0, 5358.0, 5336.0, 5320.0, 5546.0, 5489.0, 5674.0, 5372.0, 5300.0, 5636.0, 5690.0, 5289.0, 5505.0, 5508.0, 5574.0, 5343.0, 5487.0, 5714.0, 5281.0, 5584.0, 5379.0, 5670.0, 5559.0, 5614.0, 5302.0, 5305.0, 5312.0, 5264.0, 5682.0, 5375.0, 5382.0, 5601.0, 5553.0, 5509.0, 5577.0, 5602.0, 5266.0, 5640.0, 5378.0, 5692.0, 5391.0, 5398.0, 5700.0, 5414.0, 5465.0, 5687.0, 5416.0, 5596.0, 5697.0, 5306.0, 5527.0, 5350.0, 5456.0, 5370.0, 5615.0, 5680.0, 5413.0, 5698.0, 5631.0, 5446.0, 5256.0, 5628.0, 5665.0, 5410.0

						5292.0, 5647.0, 5407.0, 5339.0, 5335.0, 5543.0, 5476.0, 5255.0, 5406.0, 5657.0, 5492.0, 5620.0, 5703.0, 5285.0, 5327.0, 5523.0, 5317.0, 5363.0, 5503.0, 5351.0, 5269.0, 5633.0, 5616.0, 5482.0, 5502.0, 5529.0, 5402.0, 5708.0, 5573.0, 5603.0
4	5290	9	1	333	1	5319.0, 5398.0, 5627.0, 5568.0, 5408.0, 5338.0, 5549.0, 5719.0, 5400.0, 5329.0, 5471.0, 5710.0, 5448.0, 5659.0, 5607.0, 5422.0, 5666.0, 5368.0, 5341.0, 5573.0, 5624.0, 5360.0, 5570.0, 5459.0, 5621.0, 5514.0, 5340.0, 5380.0, 5488.0, 5630.0, 5476.0, 5722.0, 5639.0, 5528.0, 5281.0, 5371.0, 5521.0, 5395.0, 5268.0, 5612.0, 5518.0, 5392.0, 5505.0, 5384.0, 5613.0, 5359.0, 5551.0, 5656.0, 5635.0, 5603.0, 5645.0, 5328.0, 5484.0, 5584.0, 5314.0, 5663.0, 5388.0, 5636.0, 5571.0, 5297.0, 5465.0, 5291.0, 5619.0, 5318.0, 5703.0, 5652.0, 5307.0, 5475.0, 5706.0, 5716.0, 5547.0, 5529.0, 5481.0, 5348.0, 5527.0, 5648.0, 5290.0, 5420.0, 5709.0, 5452.0, 5483.0, 5480.0, 5623.0, 5694.0, 5478.0, 5593.0, 5282.0, 5455.0, 5304.0, 5642.0, 5397.0, 5600.0, 5581.0, 5269.0, 5435.0, 5567.0, 5546.0, 5720.0, 5553.0, 5287.0
5	5290	9	1	333	1	5555.0, 5633.0, 5351.0, 5425.0, 5469.0, 5287.0, 5670.0, 5556.0, 5381.0, 5551.0, 5352.0, 5523.0, 5713.0, 5594.0, 5318.0, 5427.0, 5683.0, 5723.0, 5407.0, 5514.0, 5607.0, 5494.0, 5559.0, 5533.0, 5654.0, 5718.0, 5571.0, 5580.0, 5301.0, 5260.0, 5307.0, 5506.0, 5665.0, 5473.0, 5349.0, 5480.0, 5482.0, 5265.0, 5470.0, 5282.0, 5320.0, 5657.0, 5334.0, 5326.0, 5345.0, 5264.0, 5452.0, 5258.0, 5374.0, 5625.0, 5526.0, 5642.0, 5308.0, 5599.0, 5362.0, 5340.0, 5481.0, 5582.0, 5380.0, 5403.0, 5520.0, 5522.0, 5698.0, 5614.0, 5489.0, 5639.0, 5529.0, 5474.0, 5275.0, 5605.0, 5467.0, 5596.0, 5311.0, 5278.0, 5302.0, 5540.0, 5561.0, 5356.0, 5703.0, 5641.0, 5434.0, 5554.0, 5562.0, 5525.0, 5393.0, 5515.0, 5294.0, 5306.0, 5688.0, 5563.0, 5557.0, 5714.0, 5711.0, 5628.0, 5446.0, 5617.0, 5568.0, 5709.0, 5355.0, 5259.0
6	5290	9	1	333	1	5353.0, 5615.0, 5607.0, 5311.0, 5496.0, 5711.0, 5656.0, 5305.0, 5347.0, 5257.0, 5473.0, 5540.0, 5407.0, 5518.0, 5553.0, 5523.0, 5532.0, 5377.0, 5492.0, 5259.0, 5605.0, 5261.0, 5593.0, 5331.0, 5641.0, 5282.0, 5266.0, 5526.0, 5592.0, 5552.0, 5461.0, 5250.0, 5537.0, 5610.0, 5334.0, 5272.0, 5596.0, 5625.0, 5469.0, 5507.0, 5657.0, 5536.0, 5352.0, 5707.0, 5338.0, 5509.0, 5560.0, 5661.0, 5689.0, 5675.0, 5672.0, 5405.0, 5497.0, 5519.0, 5609.0, 5585.0, 5364.0, 5680.0, 5271.0, 5423.0, 5333.0, 5572.0, 5446.0, 5600.0, 5682.0,

						5695.0, 5464.0, 5548.0, 5253.0, 5654.0, 5394.0, 5500.0, 5631.0, 5530.0, 5458.0, 5413.0, 5556.0, 5457.0, 5308.0, 5703.0, 5299.0, 5569.0, 5301.0, 5529.0, 5577.0, 5452.0, 5489.0, 5652.0, 5683.0, 5310.0, 5690.0, 5367.0, 5716.0, 5370.0, 5554.0, 5346.0, 5389.0, 5339.0, 5330.0, 5534.0
7	5290	9	1	333	1	5584.0, 5280.0, 5291.0, 5366.0, 5302.0, 5357.0, 5403.0, 5550.0, 5538.0, 5522.0, 5340.0, 5253.0, 5447.0, 5329.0, 5645.0, 5561.0, 5421.0, 5685.0, 5613.0, 5647.0, 5266.0, 5304.0, 5306.0, 5555.0, 5497.0, 5507.0, 5331.0, 5347.0, 5452.0, 5417.0, 5669.0, 5391.0, 5326.0, 5703.0, 5273.0, 5342.0, 5365.0, 5515.0, 5345.0, 5699.0, 5336.0, 5652.0, 5257.0, 5392.0, 5321.0, 5477.0, 5668.0, 5428.0, 5384.0, 5402.0, 5449.0, 5673.0, 5270.0, 5505.0, 5693.0, 5372.0, 5692.0, 5583.0, 5388.0, 5453.0, 5456.0, 5671.0, 5310.0, 5390.0, 5322.0, 5264.0, 5642.0, 5461.0, 5610.0, 5626.0, 5544.0, 5334.0, 5678.0, 5305.0, 5713.0, 5351.0, 5298.0, 5656.0, 5354.0, 5350.0, 5393.0, 5387.0, 5367.0, 5436.0, 5328.0, 5295.0, 5267.0, 5394.0, 5532.0, 5714.0, 5320.0, 5549.0, 5379.0, 5604.0, 5556.0, 5386.0, 5660.0, 5424.0, 5667.0, 5523.0
8	5290	9	1	333	1	5296.0, 5607.0, 5391.0, 5453.0, 5617.0, 5558.0, 5360.0, 5293.0, 5659.0, 5454.0, 5438.0, 5654.0, 5285.0, 5355.0, 5682.0, 5623.0, 5580.0, 5489.0, 5390.0, 5429.0, 5330.0, 5650.0, 5257.0, 5601.0, 5672.0, 5384.0, 5665.0, 5295.0, 5684.0, 5413.0, 5490.0, 5477.0, 5466.0, 5346.0, 5254.0, 5643.0, 5256.0, 5723.0, 5709.0, 5267.0, 5516.0, 5696.0, 5724.0, 5341.0, 5579.0, 5327.0, 5483.0, 5448.0, 5517.0, 5711.0, 5278.0, 5671.0, 5351.0, 5491.0, 5322.0, 5372.0, 5541.0, 5364.0, 5702.0, 5690.0, 5518.0, 5277.0, 5562.0, 5439.0, 5343.0, 5286.0, 5348.0, 5457.0, 5706.0, 5455.0, 5484.0, 5335.0, 5576.0, 5588.0, 5460.0, 5276.0, 5710.0, 5378.0, 5608.0, 5261.0, 5638.0, 5465.0, 5644.0, 5503.0, 5265.0, 5556.0, 5392.0, 5501.0, 5362.0, 5543.0, 5716.0, 5705.0, 5253.0, 5397.0, 5528.0, 5349.0, 5321.0, 5347.0, 5425.0, 5520.0
9	5290	9	1	333	1	5668.0, 5360.0, 5470.0, 5672.0, 5480.0, 5507.0, 5283.0, 5258.0, 5335.0, 5444.0, 5584.0, 5429.0, 5297.0, 5688.0, 5619.0, 5643.0, 5472.0, 5556.0, 5698.0, 5715.0, 5345.0, 5447.0, 5647.0, 5451.0, 5397.0, 5474.0, 5510.0, 5437.0, 5273.0, 5534.0, 5391.0, 5425.0, 5393.0, 5678.0, 5392.0, 5476.0, 5382.0, 5666.0, 5453.0, 5434.0, 5622.0, 5308.0, 5674.0, 5300.0, 5359.0, 5517.0, 5694.0, 5499.0, 5348.0, 5389.0, 5516.0, 5640.0, 5521.0, 5564.0, 5321.0, 5384.0, 5478.0, 5625.0, 5549.0, 5370.0,



						5455.0, 5344.0, 5385.0, 5266.0, 5592.0, 5566.0, 5705.0, 5704.0, 5301.0, 5570.0, 5620.0, 5590.0, 5337.0, 5544.0, 5557.0, 5383.0, 5471.0, 5404.0, 5448.0, 5312.0, 5601.0, 5613.0, 5645.0, 5583.0, 5262.0, 5599.0, 5438.0, 5527.0, 5562.0, 5491.0, 5354.0, 5254.0, 5614.0, 5338.0, 5418.0, 5473.0, 5286.0, 5542.0, 5309.0, 5600.0
10	5290	9	1	333	1	5295.0, 5481.0, 5579.0, 5668.0, 5327.0, 5674.0, 5259.0, 5598.0, 5500.0, 5529.0, 5277.0, 5535.0, 5307.0, 5380.0, 5629.0, 5434.0, 5527.0, 5487.0, 5684.0, 5711.0, 5636.0, 5261.0, 5708.0, 5317.0, 5549.0, 5635.0, 5505.0, 5710.0, 5688.0, 5656.0, 5360.0, 5286.0, 5368.0, 5609.0, 5592.0, 5595.0, 5444.0, 5423.0, 5714.0, 5305.0, 5604.0, 5590.0, 5329.0, 5438.0, 5459.0, 5323.0, 5355.0, 5276.0, 5528.0, 5578.0, 5432.0, 5539.0, 5397.0, 5447.0, 5544.0, 5321.0, 5643.0, 5293.0, 5573.0, 5614.0, 5514.0, 5373.0, 5378.0, 5374.0, 5465.0, 5400.0, 5472.0, 5464.0, 5628.0, 5670.0, 5666.0, 5518.0, 5376.0, 5531.0, 5495.0, 5365.0, 5292.0, 5662.0, 5497.0, 5519.0, 5348.0, 5266.0, 5334.0, 5582.0, 5663.0, 5646.0, 5346.0, 5694.0, 5477.0, 5420.0, 5388.0, 5608.0, 5511.0, 5389.0, 5517.0, 5454.0, 5601.0, 5310.0, 5581.0, 5337.0
11	5290	9	1	333	1	5276.0, 5629.0, 5596.0, 5709.0, 5611.0, 5666.0, 5571.0, 5661.0, 5634.0, 5636.0, 5626.0, 5492.0, 5717.0, 5281.0, 5326.0, 5528.0, 5536.0, 5277.0, 5348.0, 5442.0, 5315.0, 5547.0, 5710.0, 5514.0, 5368.0, 5257.0, 5623.0, 5451.0, 5347.0, 5253.0, 5689.0, 5683.0, 5593.0, 5371.0, 5649.0, 5669.0, 5520.0, 5337.0, 5530.0, 5318.0, 5272.0, 5469.0, 5307.0, 5650.0, 5695.0, 5540.0, 5720.0, 5385.0, 5436.0, 5438.0, 5694.0, 5526.0, 5265.0, 5641.0, 5499.0, 5375.0, 5298.0, 5606.0, 5304.0, 5667.0, 5645.0, 5435.0, 5521.0, 5408.0, 5713.0, 5439.0, 5370.0, 5343.0, 5458.0, 5490.0, 5261.0, 5618.0, 5407.0, 5339.0, 5335.0, 5477.0, 5679.0, 5466.0, 5445.0, 5474.0, 5390.0, 5605.0, 5663.0, 5655.0, 5505.0, 5525.0, 5698.0, 5704.0, 5482.0, 5455.0, 5312.0, 5595.0, 5363.0, 5598.0, 5254.0, 5559.0, 5443.0, 5485.0, 5546.0, 5377.0
12	5290	9	1	333	1	5580.0, 5650.0, 5709.0, 5612.0, 5358.0, 5664.0, 5518.0, 5346.0, 5323.0, 5606.0, 5296.0, 5314.0, 5426.0, 5357.0, 5516.0, 5423.0, 5555.0, 5701.0, 5327.0, 5387.0, 5253.0, 5277.0, 5639.0, 5367.0, 5611.0, 5637.0, 5598.0, 5300.0, 5342.0, 5435.0, 5610.0, 5589.0, 5301.0, 5405.0, 5523.0, 5251.0, 5628.0, 5404.0, 5414.0, 5646.0, 5328.0, 5329.0, 5469.0, 5422.0, 5261.0, 5680.0, 5388.0, 5711.0, 5392.0, 5413.0, 5519.0, 5371.0, 5618.0, 5629.0, 5617.0,

						5267.0, 5263.0, 5272.0, 5716.0, 5627.0, 5658.0, 5548.0, 5699.0, 5355.0, 5501.0, 5401.0, 5621.0, 5557.0, 5344.0, 5698.0, 5578.0, 5682.0, 5693.0, 5417.0, 5587.0, 5352.0, 5652.0, 5427.0, 5437.0, 5649.0, 5276.0, 5517.0, 5311.0, 5489.0, 5569.0, 5663.0, 5597.0, 5283.0, 5419.0, 5418.0, 5325.0, 5394.0, 5374.0, 5684.0, 5545.0, 5406.0, 5271.0, 5497.0, 5484.0, 5515.0
13	5290	9	1	333	1	5621.0, 5390.0, 5368.0, 5614.0, 5309.0, 5412.0, 5691.0, 5419.0, 5521.0, 5703.0, 5474.0, 5508.0, 5354.0, 5565.0, 5680.0, 5429.0, 5440.0, 5439.0, 5520.0, 5689.0, 5497.0, 5321.0, 5541.0, 5307.0, 5492.0, 5391.0, 5371.0, 5669.0, 5679.0, 5619.0, 5291.0, 5254.0, 5288.0, 5598.0, 5652.0, 5393.0, 5335.0, 5330.0, 5328.0, 5559.0, 5325.0, 5692.0, 5398.0, 5576.0, 5469.0, 5711.0, 5361.0, 5707.0, 5355.0, 5312.0, 5476.0, 5389.0, 5379.0, 5303.0, 5401.0, 5564.0, 5667.0, 5672.0, 5463.0, 5324.0, 5372.0, 5308.0, 5334.0, 5534.0, 5683.0, 5706.0, 5494.0, 5536.0, 5529.0, 5682.0, 5356.0, 5623.0, 5523.0, 5641.0, 5462.0, 5426.0, 5535.0, 5616.0, 5458.0, 5352.0, 5700.0, 5583.0, 5632.0, 5659.0, 5450.0, 5630.0, 5522.0, 5348.0, 5259.0, 5610.0, 5491.0, 5405.0, 5499.0, 5256.0, 5424.0, 5688.0, 5459.0, 5432.0, 5408.0, 5277.0
14	5290	9	1	333	1	5457.0, 5384.0, 5390.0, 5547.0, 5445.0, 5360.0, 5452.0, 5375.0, 5308.0, 5676.0, 5659.0, 5456.0, 5293.0, 5552.0, 5479.0, 5684.0, 5523.0, 5405.0, 5630.0, 5510.0, 5512.0, 5372.0, 5507.0, 5444.0, 5569.0, 5649.0, 5449.0, 5381.0, 5260.0, 5468.0, 5434.0, 5625.0, 5497.0, 5660.0, 5325.0, 5332.0, 5609.0, 5678.0, 5712.0, 5287.0, 5431.0, 5470.0, 5526.0, 5314.0, 5674.0, 5663.0, 5498.0, 5426.0, 5595.0, 5306.0, 5645.0, 5280.0, 5270.0, 5258.0, 5257.0, 5612.0, 5338.0, 5282.0, 5540.0, 5717.0, 5570.0, 5686.0, 5588.0, 5277.0, 5274.0, 5395.0, 5320.0, 5330.0, 5618.0, 5474.0, 5459.0, 5364.0, 5443.0, 5500.0, 5534.0, 5524.0, 5704.0, 5273.0, 5345.0, 5418.0, 5585.0, 5478.0, 5484.0, 5690.0, 5473.0, 5252.0, 5554.0, 5567.0, 5647.0, 5436.0, 5471.0, 5263.0, 5682.0, 5716.0, 5506.0, 5521.0, 5520.0, 5319.0, 5351.0, 5571.0
15	5290	9	1	333	1	5462.0, 5696.0, 5720.0, 5314.0, 5433.0, 5718.0, 5529.0, 5526.0, 5284.0, 5521.0, 5305.0, 5576.0, 5328.0, 5416.0, 5606.0, 5507.0, 5322.0, 5397.0, 5449.0, 5389.0, 5625.0, 5676.0, 5600.0, 5391.0, 5691.0, 5259.0, 5505.0, 5468.0, 5398.0, 5291.0, 5500.0, 5369.0, 5693.0, 5405.0, 5689.0, 5469.0, 5706.0, 5421.0, 5450.0, 5260.0, 5320.0, 5470.0, 5290.0, 5535.0, 5313.0, 5271.0, 5356.0, 5688.0, 5659.0, 5678.0,

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16	5290	9	1	333	1	5336.0, 5691.0, 5663.0, 5404.0, 5358.0, 5722.0, 5624.0, 5689.0, 5514.0, 5291.0, 5712.0, 5464.0, 5418.0, 5258.0, 5568.0, 5282.0, 5593.0, 5453.0, 5300.0, 5650.0, 5655.0, 5470.0, 5279.0, 5272.0, 5273.0, 5417.0, 5399.0, 5529.0, 5707.0, 5589.0, 5670.0, 5662.0, 5620.0, 5504.0, 5370.0, 5259.0, 5407.0, 5634.0, 5480.0, 5356.0, 5256.0, 5588.0, 5702.0, 5465.0, 5343.0, 5479.0, 5490.0, 5536.0, 5367.0, 5469.0, 5658.0, 5551.0, 5660.0, 5615.0, 5342.0, 5651.0, 5333.0, 5265.0, 5283.0, 5598.0, 5534.0, 5495.0, 5492.0, 5626.0, 5561.0, 5276.0, 5493.0, 5622.0, 5388.0, 5521.0, 5661.0, 5430.0, 5610.0, 5253.0, 5389.0, 5544.0, 5559.0, 5457.0, 5361.0, 5355.0, 5294.0, 5317.0, 5409.0, 5368.0, 5485.0, 5653.0, 5337.0, 5696.0, 5630.0, 5412.0, 5482.0, 5608.0, 5332.0, 5471.0, 5512.0, 5280.0, 5629.0, 5275.0, 5456.0, 5582.0
17	5290	9	1	333	1	5311.0, 5388.0, 5406.0, 5302.0, 5612.0, 5294.0, 5694.0, 5270.0, 5588.0, 5325.0, 5539.0, 5283.0, 5343.0, 5609.0, 5361.0, 5499.0, 5437.0, 5629.0, 5503.0, 5552.0, 5257.0, 5683.0, 5421.0, 5412.0, 5482.0, 5430.0, 5703.0, 5484.0, 5507.0, 5488.0, 5631.0, 5351.0, 5264.0, 5544.0, 5587.0, 5525.0, 5497.0, 5641.0, 5441.0, 5364.0, 5527.0, 5379.0, 5350.0, 5280.0, 5547.0, 5303.0, 5569.0, 5262.0, 5572.0, 5298.0, 5471.0, 5669.0, 5615.0, 5319.0, 5434.0, 5512.0, 5316.0, 5577.0, 5666.0, 5660.0, 5636.0, 5473.0, 5502.0, 5711.0, 5376.0, 5354.0, 5299.0, 5333.0, 5269.0, 5708.0, 5427.0, 5656.0, 5389.0, 5393.0, 5382.0, 5679.0, 5332.0, 5315.0, 5652.0, 5438.0, 5297.0, 5673.0, 5713.0, 5508.0, 5692.0, 5661.0, 5640.0, 5478.0, 5650.0, 5386.0, 5668.0, 5324.0, 5380.0, 5550.0, 5369.0, 5625.0, 5268.0, 5349.0, 5613.0, 5676.0
18	5290	9	1	333	1	5339.0, 5475.0, 5361.0, 5458.0, 5619.0, 5367.0, 5312.0, 5341.0, 5646.0, 5563.0, 5510.0, 5578.0, 5443.0, 5657.0, 5720.0, 5552.0, 5673.0, 5496.0, 5334.0, 5629.0, 5508.0, 5627.0, 5260.0, 5705.0, 5618.0, 5564.0, 5268.0, 5615.0, 5394.0, 5565.0, 5344.0, 5568.0, 5497.0, 5712.0, 5378.0, 5495.0, 5719.0, 5439.0, 5668.0, 5677.0, 5405.0, 5333.0, 5608.0, 5710.0, 5674.0,

						5372.0, 5258.0, 5298.0, 5718.0, 5679.0, 5597.0, 5553.0, 5654.0, 5427.0, 5667.0, 5272.0, 5359.0, 5699.0, 5704.0, 5292.0, 5304.0, 5316.0, 5433.0, 5569.0, 5514.0, 5690.0, 5562.0, 5286.0, 5308.0, 5363.0, 5714.0, 5280.0, 5612.0, 5649.0, 5365.0, 5469.0, 5364.0, 5396.0, 5622.0, 5723.0, 5391.0, 5711.0, 5477.0, 5605.0, 5456.0, 5285.0, 5513.0, 5691.0, 5540.0, 5449.0, 5431.0, 5717.0, 5408.0, 5288.0, 5481.0, 5483.0, 5708.0, 5610.0, 5276.0, 5327.0
19	5290	9	1	333	1	5329.0, 5261.0, 5549.0, 5392.0, 5489.0, 5254.0, 5418.0, 5403.0, 5698.0, 5367.0, 5590.0, 5447.0, 5601.0, 5307.0, 5417.0, 5398.0, 5415.0, 5400.0, 5374.0, 5606.0, 5712.0, 5277.0, 5283.0, 5660.0, 5497.0, 5662.0, 5711.0, 5402.0, 5568.0, 5327.0, 5651.0, 5460.0, 5336.0, 5262.0, 5430.0, 5494.0, 5389.0, 5434.0, 5674.0, 5613.0, 5390.0, 5661.0, 5628.0, 5721.0, 5523.0, 5536.0, 5492.0, 5533.0, 5675.0, 5646.0, 5396.0, 5608.0, 5656.0, 5393.0, 5625.0, 5481.0, 5424.0, 5437.0, 5432.0, 5259.0, 5406.0, 5648.0, 5380.0, 5694.0, 5707.0, 5376.0, 5679.0, 5513.0, 5256.0, 5619.0, 5503.0, 5347.0, 5652.0, 5443.0, 5471.0, 5665.0, 5291.0, 5609.0, 5670.0, 5359.0, 5368.0, 5539.0, 5699.0, 5462.0, 5521.0, 5669.0, 5450.0, 5306.0, 5720.0, 5557.0, 5629.0, 5386.0, 5672.0, 5581.0, 5479.0, 5714.0, 5621.0, 5642.0, 5320.0, 5314.0
20	5290	9	1	333	1	5686.0, 5364.0, 5339.0, 5423.0, 5547.0, 5573.0, 5374.0, 5713.0, 5550.0, 5501.0, 5643.0, 5342.0, 5486.0, 5414.0, 5308.0, 5604.0, 5692.0, 5503.0, 5461.0, 5519.0, 5623.0, 5533.0, 5555.0, 5664.0, 5289.0, 5286.0, 5627.0, 5287.0, 5680.0, 5531.0, 5405.0, 5436.0, 5397.0, 5544.0, 5410.0, 5370.0, 5418.0, 5667.0, 5603.0, 5346.0, 5640.0, 5601.0, 5329.0, 5633.0, 5556.0, 5546.0, 5506.0, 5566.0, 5450.0, 5645.0, 5361.0, 5514.0, 5412.0, 5431.0, 5723.0, 5385.0, 5441.0, 5525.0, 5597.0, 5340.0, 5327.0, 5438.0, 5588.0, 5324.0, 5641.0, 5325.0, 5291.0, 5700.0, 5256.0, 5343.0, 5420.0, 5548.0, 5251.0, 5366.0, 5311.0, 5295.0, 5396.0, 5282.0, 5468.0, 5380.0, 5648.0, 5518.0, 5635.0, 5537.0, 5383.0, 5663.0, 5442.0, 5580.0, 5270.0, 5493.0, 5253.0, 5681.0, 5350.0, 5314.0, 5425.0, 5711.0, 5652.0, 5577.0, 5377.0, 5477.0
21	5290	9	1	333	1	5360.0, 5407.0, 5588.0, 5325.0, 5601.0, 5594.0, 5319.0, 5252.0, 5382.0, 5481.0, 5408.0, 5423.0, 5430.0, 5301.0, 5387.0, 5720.0, 5698.0, 5445.0, 5418.0, 5419.0, 5513.0, 5389.0, 5572.0, 5638.0, 5409.0, 5647.0, 5298.0, 5331.0, 5315.0, 5597.0, 5442.0, 5384.0, 5650.0, 5342.0, 5579.0, 5254.0, 5674.0, 5645.0, 5699.0, 5264.0,

						5507.0, 5640.0, 5618.0, 5518.0, 5525.0, 5296.0, 5255.0, 5705.0, 5355.0, 5543.0, 5329.0, 5324.0, 5446.0, 5655.0, 5526.0, 5341.0, 5585.0, 5531.0, 5598.0, 5380.0, 5392.0, 5701.0, 5602.0, 5506.0, 5284.0, 5348.0, 5461.0, 5569.0, 5605.0, 5477.0, 5696.0, 5676.0, 5574.0, 5582.0, 5673.0, 5534.0, 5276.0, 5547.0, 5501.0, 5283.0, 5723.0, 5415.0, 5441.0, 5397.0, 5505.0, 5535.0, 5669.0, 5262.0, 5687.0, 5659.0, 5332.0, 5590.0, 5303.0, 5548.0, 5471.0, 5488.0, 5576.0, 5453.0, 5633.0, 5703.0
22	5290	9	1	333	1	5267.0, 5384.0, 5551.0, 5592.0, 5703.0, 5263.0, 5530.0, 5614.0, 5694.0, 5568.0, 5493.0, 5286.0, 5657.0, 5292.0, 5604.0, 5626.0, 5591.0, 5436.0, 5661.0, 5515.0, 5297.0, 5618.0, 5295.0, 5392.0, 5255.0, 5582.0, 5405.0, 5504.0, 5630.0, 5269.0, 5449.0, 5301.0, 5545.0, 5622.0, 5556.0, 5419.0, 5629.0, 5503.0, 5400.0, 5559.0, 5689.0, 5507.0, 5475.0, 5484.0, 5440.0, 5519.0, 5318.0, 5327.0, 5517.0, 5673.0, 5498.0, 5356.0, 5309.0, 5409.0, 5509.0, 5565.0, 5294.0, 5693.0, 5316.0, 5350.0, 5719.0, 5323.0, 5572.0, 5635.0, 5388.0, 5432.0, 5399.0, 5303.0, 5594.0, 5277.0, 5252.0, 5474.0, 5696.0, 5298.0, 5534.0, 5403.0, 5598.0, 5506.0, 5377.0, 5360.0, 5367.0, 5471.0, 5658.0, 5370.0, 5631.0, 5365.0, 5548.0, 5595.0, 5375.0, 5704.0, 5636.0, 5358.0, 5546.0, 5621.0, 5483.0, 5443.0, 5660.0, 5677.0, 5547.0, 5619.0
23	5290	9	1	333	1	5364.0, 5460.0, 5578.0, 5521.0, 5276.0, 5461.0, 5591.0, 5641.0, 5353.0, 5330.0, 5542.0, 5400.0, 5619.0, 5626.0, 5418.0, 5634.0, 5670.0, 5300.0, 5253.0, 5356.0, 5375.0, 5722.0, 5694.0, 5379.0, 5686.0, 5536.0, 5681.0, 5574.0, 5382.0, 5440.0, 5635.0, 5620.0, 5724.0, 5342.0, 5260.0, 5266.0, 5609.0, 5459.0, 5684.0, 5370.0, 5286.0, 5420.0, 5550.0, 5507.0, 5287.0, 5429.0, 5605.0, 5328.0, 5474.0, 5710.0, 5505.0, 5297.0, 5519.0, 5668.0, 5502.0, 5368.0, 5672.0, 5318.0, 5671.0, 5261.0, 5580.0, 5432.0, 5413.0, 5294.0, 5425.0, 5280.0, 5597.0, 5452.0, 5631.0, 5699.0, 5528.0, 5390.0, 5512.0, 5522.0, 5602.0, 5545.0, 5662.0, 5406.0, 5630.0, 5692.0, 5615.0, 5345.0, 5573.0, 5399.0, 5380.0, 5470.0, 5442.0, 5301.0, 5387.0, 5717.0, 5539.0, 5324.0, 5673.0, 5523.0, 5643.0, 5593.0, 5690.0, 5589.0, 5430.0, 5677.0
24	5290	9	1	333	1	5333.0, 5283.0, 5372.0, 5632.0, 5718.0, 5470.0, 5559.0, 5642.0, 5286.0, 5262.0, 5268.0, 5530.0, 5468.0, 5568.0, 5704.0, 5269.0, 5441.0, 5265.0, 5472.0, 5345.0, 5426.0, 5343.0, 5533.0, 5456.0, 5673.0, 5496.0, 5280.0, 5607.0, 5390.0, 5544.0, 5371.0, 5710.0, 5342.0, 5702.0, 5688.0,

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25	5290	9	1	333	1	5529.0, 5252.0, 5436.0, 5553.0, 5403.0, 5619.0, 5667.0, 5311.0, 5392.0, 5383.0, 5453.0, 5574.0, 5265.0, 5530.0, 5365.0, 5416.0, 5449.0, 5352.0, 5581.0, 5547.0, 5303.0, 5371.0, 5635.0, 5280.0, 5338.0, 5569.0, 5598.0, 5580.0, 5524.0, 5683.0, 5618.0, 5273.0, 5336.0, 5606.0, 5584.0, 5448.0, 5405.0, 5445.0, 5630.0, 5649.0, 5511.0, 5386.0, 5439.0, 5492.0, 5505.0, 5723.0, 5489.0, 5350.0, 5330.0, 5670.0, 5452.0, 5300.0, 5349.0, 5713.0, 5572.0, 5540.0, 5258.0, 5514.0, 5494.0, 5299.0, 5399.0, 5506.0, 5278.0, 5620.0, 5603.0, 5275.0, 5554.0, 5484.0, 5413.0, 5518.0, 5422.0, 5520.0, 5446.0, 5385.0, 5475.0, 5555.0, 5643.0, 5483.0, 5340.0, 5589.0, 5699.0, 5508.0, 5522.0, 5353.0, 5521.0, 5342.0, 5689.0, 5421.0, 5444.0, 5648.0, 5626.0, 5681.0, 5638.0, 5266.0, 5367.0, 5639.0, 5621.0, 5655.0, 5633.0, 5662.0
26	5290	9	1	333	1	5378.0, 5513.0, 5420.0, 5315.0, 5337.0, 5680.0, 5402.0, 5507.0, 5489.0, 5633.0, 5569.0, 5605.0, 5277.0, 5628.0, 5346.0, 5262.0, 5414.0, 5678.0, 5706.0, 5443.0, 5354.0, 5671.0, 5485.0, 5519.0, 5298.0, 5618.0, 5394.0, 5492.0, 5382.0, 5493.0, 5376.0, 5684.0, 5559.0, 5398.0, 5407.0, 5253.0, 5717.0, 5445.0, 5295.0, 5597.0, 5622.0, 5602.0, 5281.0, 5419.0, 5312.0, 5305.0, 5487.0, 5456.0, 5693.0, 5720.0, 5383.0, 5591.0, 5664.0, 5467.0, 5490.0, 5627.0, 5574.0, 5722.0, 5330.0, 5641.0, 5548.0, 5357.0, 5636.0, 5301.0, 5270.0, 5589.0, 5252.0, 5533.0, 5565.0, 5345.0, 5632.0, 5647.0, 5721.0, 5453.0, 5682.0, 5525.0, 5600.0, 5635.0, 5269.0, 5529.0, 5256.0, 5538.0, 5424.0, 5542.0, 5250.0, 5543.0, 5498.0, 5674.0, 5710.0, 5604.0, 5515.0, 5377.0, 5451.0, 5404.0, 5585.0, 5450.0, 5372.0, 5656.0, 5639.0, 5405.0
27	5290	9	1	333	1	5561.0, 5619.0, 5453.0, 5490.0, 5271.0, 5310.0, 5696.0, 5397.0, 5326.0, 5623.0, 5311.0, 5459.0, 5580.0, 5426.0, 5610.0, 5454.0, 5559.0, 5539.0, 5519.0, 5699.0, 5450.0, 5318.0, 5722.0, 5328.0, 5325.0, 5380.0, 5365.0, 5346.0, 5535.0, 5428.0,

						5651.0, 5333.0, 5417.0, 5515.0, 5710.0, 5522.0, 5509.0, 5520.0, 5530.0, 5387.0, 5317.0, 5463.0, 5331.0, 5569.0, 5464.0, 5408.0, 5698.0, 5625.0, 5497.0, 5518.0, 5482.0, 5256.0, 5614.0, 5335.0, 5597.0, 5296.0, 5557.0, 5440.0, 5567.0, 5546.0, 5672.0, 5391.0, 5338.0, 5277.0, 5632.0, 5416.0, 5659.0, 5611.0, 5564.0, 5488.0, 5324.0, 5575.0, 5462.0, 5323.0, 5708.0, 5268.0, 5514.0, 5582.0, 5652.0, 5511.0, 5599.0, 5299.0, 5627.0, 5351.0, 5344.0, 5670.0, 5701.0, 5431.0, 5626.0, 5270.0, 5622.0, 5457.0, 5367.0, 5574.0, 5451.0, 5711.0, 5340.0, 5452.0, 5687.0, 5286.0
28	5290	9	1	333	1	5370.0, 5539.0, 5495.0, 5300.0, 5603.0, 5597.0, 5314.0, 5396.0, 5436.0, 5399.0, 5316.0, 5627.0, 5390.0, 5623.0, 5257.0, 5273.0, 5566.0, 5688.0, 5397.0, 5463.0, 5420.0, 5686.0, 5305.0, 5578.0, 5510.0, 5278.0, 5320.0, 5583.0, 5590.0, 5482.0, 5318.0, 5535.0, 5306.0, 5308.0, 5252.0, 5548.0, 5605.0, 5282.0, 5598.0, 5692.0, 5595.0, 5532.0, 5416.0, 5543.0, 5353.0, 5512.0, 5444.0, 5569.0, 5492.0, 5586.0, 5393.0, 5307.0, 5304.0, 5336.0, 5612.0, 5662.0, 5348.0, 5290.0, 5494.0, 5332.0, 5503.0, 5620.0, 5284.0, 5437.0, 5687.0, 5450.0, 5666.0, 5338.0, 5553.0, 5604.0, 5415.0, 5626.0, 5499.0, 5621.0, 5283.0, 5443.0, 5354.0, 5633.0, 5286.0, 5424.0, 5594.0, 5629.0, 5382.0, 5473.0, 5351.0, 5652.0, 5577.0, 5678.0, 5568.0, 5289.0, 5359.0, 5349.0, 5464.0, 5313.0, 5714.0, 5709.0, 5585.0, 5655.0, 5618.0, 5355.0
29	5290	9	1	333	1	5378.0, 5584.0, 5298.0, 5291.0, 5500.0, 5447.0, 5459.0, 5633.0, 5268.0, 5476.0, 5721.0, 5490.0, 5575.0, 5254.0, 5491.0, 5270.0, 5396.0, 5489.0, 5355.0, 5448.0, 5289.0, 5426.0, 5323.0, 5385.0, 5261.0, 5724.0, 5351.0, 5657.0, 5625.0, 5591.0, 5611.0, 5593.0, 5309.0, 5429.0, 5623.0, 5410.0, 5603.0, 5618.0, 5354.0, 5518.0, 5304.0, 5277.0, 5704.0, 5419.0, 5586.0, 5321.0, 5483.0, 5624.0, 5650.0, 5440.0, 5521.0, 5718.0, 5505.0, 5266.0, 5600.0, 5287.0, 5558.0, 5279.0, 5622.0, 5421.0, 5450.0, 5538.0, 5337.0, 5438.0, 5699.0, 5302.0, 5523.0, 5716.0, 5585.0, 5368.0, 5556.0, 5640.0, 5326.0, 5294.0, 5493.0, 5290.0, 5563.0, 5263.0, 5496.0, 5442.0, 5430.0, 5310.0, 5437.0, 5311.0, 5306.0, 5512.0, 5662.0, 5545.0, 5534.0, 5282.0, 5629.0, 5626.0, 5656.0, 5428.0, 5256.0, 5526.0, 5547.0, 5439.0, 5620.0, 5660.0
30	5290	9	1	333	1	5377.0, 5644.0, 5643.0, 5489.0, 5587.0, 5703.0, 5382.0, 5693.0, 5471.0, 5405.0, 5517.0, 5549.0, 5442.0, 5717.0, 5434.0, 5630.0, 5580.0, 5256.0, 5542.0, 5579.0, 5538.0, 5374.0, 5684.0, 5609.0, 5432.0,

						5653.0, 5253.0, 5594.0, 5463.0, 5443.0, 5656.0, 5316.0, 5640.0, 5612.0, 5412.0, 5702.0, 5415.0, 5595.0, 5680.0, 5713.0, 5491.0, 5416.0, 5354.0, 5452.0, 5660.0, 5566.0, 5698.0, 5387.0, 5532.0, 5663.0, 5399.0, 5521.0, 5495.0, 5280.0, 5334.0, 5574.0, 5339.0, 5307.0, 5395.0, 5588.0, 5323.0, 5659.0, 5592.0, 5290.0, 5417.0, 5678.0, 5444.0, 5381.0, 5475.0, 5402.0, 5700.0, 5269.0, 5722.0, 5535.0, 5312.0, 5691.0, 5453.0, 5324.0, 5450.0, 5431.0, 5430.0, 5263.0, 5373.0, 5568.0, 5710.0, 5438.0, 5515.0, 5465.0, 5539.0, 5673.0, 5597.0, 5413.0, 5658.0, 5518.0, 5582.0, 5602.0, 5283.0, 5530.0, 5470.0, 5701.0
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**40MHz**

<b>Radar SignalType</b>	<b>Waveform/Trial Number</b>	<b>Detection (%)</b>	<b>Limit (%)</b>	<b>Pass/Fail</b>
<b>Type 1A</b>	15	100%	60%	pass
<b>Type 1B</b>	15	93.3%	60%	pass
<b>Type 2</b>	30	93.3%	60%	Pass
<b>Type 3</b>	30	96.7%	60%	Pass
<b>Type 4</b>	30	96.7%	60%	Pass
<b>Aggregate(Type1 to 4)</b>	120	95.83%	80%	Pass
<b>Type 5</b>	30	100 %	80%	Pass
<b>Type 6</b>	30	100 %	70%	Pass

Please refer to the following statistical tables:

**5310MHz****Radar Type 1A Statistical Performance**

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5310	72	1	738	1
2	5310	78	1	678	1
3	5310	62	1	858	1
4	5310	89	1	598	1
5	5310	65	1	818	1
6	5310	67	1	798	1
7	5310	70	1	758	1
8	5310	92	1	578	1
9	5310	59	1	898	1
10	5310	86	1	618	1
11	5310	68	1	778	1
12	5310	63	1	838	1
13	5310	61	1	878	1
14	5310	74	1	718	1
15	5310	76	1	698	1
Detection Percentage:100 % (>60%)					

**Radar Type 1B Statistical Performance**

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5310	29	1	1844	1
2	5310	48	1	1114	1
3	5310	33	1	1617	1
4	5310	20	1	2641	1
5	5310	67	1	797	1
6	5310	24	1	2200	1
7	5310	28	1	1888	1
8	5310	21	1	2629	1
9	5310	46	1	1158	1
10	5310	18	1	3035	1
11	5310	20	1	2699	0
12	5310	27	1	1987	1
13	5310	34	1	1598	1
14	5310	20	1	2772	1
15	5310	51	1	1039	1
Detection Percentage: 93.3 % (>60%)					

**Radar Type 2 Statistical Performance**

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5310	27	4.1	218	1
2	5310	23	3	229	1
3	5310	29	4.2	165	1
4	5310	29	2.9	202	1
5	5310	27	2.7	213	0
6	5310	28	2.1	152	1
7	5310	29	4.9	214	1
8	5310	25	4.7	183	1
9	5310	26	4.6	196	1
10	5310	26	1.1	196	1
11	5310	28	2.5	152	1
12	5310	27	2.1	172	1
13	5310	24	3.8	195	1
14	5310	23	4.6	176	1
15	5310	28	3.7	198	1
16	5310	25	2.5	201	1
17	5310	23	2.1	158	1
18	5310	27	2	216	1
19	5310	25	1.6	215	1
20	5310	29	2	207	1
21	5310	23	4.6	169	0
22	5310	28	5	192	1
23	5310	28	3.5	208	1
24	5310	27	2.4	194	1
25	5310	28	1.7	216	1
26	5310	28	4.2	156	1
27	5310	25	2.1	178	1
28	5310	29	1.3	178	1
29	5310	28	2.9	221	1
30	5310	29	4.9	152	1
<b>Detection Percentage: 93.3 % (&gt;60%)</b>					

**Radar Type 3 Statistical Performance**

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5310	17	7.2	251	1
2	5310	17	9.5	412	1
3	5310	16	8.1	402	1
4	5310	18	10	208	1
5	5310	18	9.8	489	1
6	5310	18	7.4	402	1
7	5310	18	10	309	1
8	5310	17	8.8	282	1
9	5310	18	7.1	465	1
10	5310	17	8.5	412	1
11	5310	18	8.6	414	1
12	5310	18	6.1	331	0
13	5310	18	8.9	209	1
14	5310	16	8.9	390	1
15	5310	16	9.4	215	1
16	5310	18	8.2	281	1
17	5310	17	7.8	449	1
18	5310	16	8.5	281	1
19	5310	18	7.6	212	1
20	5310	18	6.7	348	1
21	5310	16	7.3	336	1
22	5310	17	8.6	234	1
23	5310	17	7.4	221	1
24	5310	16	6.4	359	1
25	5310	17	9.1	419	1
26	5310	16	6.3	379	1
27	5310	17	9.7	280	1
28	5310	16	6.5	214	1
29	5310	16	8	246	1
30	5310	18	8.5	326	1
<b>Detection Percentage: 96.7 % (&gt;60%)</b>					

**Radar Type 4 Statistical Performance**

<b>Trial #</b>	<b>Fc (MHz)</b>	<b>Pulse/Burst</b>	<b>Pulse Width (μS)</b>	<b>PRI (μs)</b>	<b>Detection (1:yes; 0:no)</b>
1	5310	16	12	416	1
2	5310	14	18.2	454	1
3	5310	15	12.9	495	1
4	5310	13	16.7	228	1
5	5310	12	19.9	258	1
6	5310	16	19.5	214	1
7	5310	15	18.9	489	1
8	5310	16	18.5	340	1
9	5310	16	19.2	485	0
10	5310	15	13	319	1
11	5310	15	12.7	379	1
12	5310	12	13.6	375	1
13	5310	13	15.6	262	1
14	5310	16	18.8	445	1
15	5310	12	17.5	383	1
16	5310	12	18.8	386	1
17	5310	13	16.8	411	1
18	5310	14	18.4	344	1
19	5310	12	18.8	214	1
20	5310	16	17.6	242	1
21	5310	13	20	217	1
22	5310	14	16.5	498	1
23	5310	13	16.3	395	1
24	5310	14	14.9	405	1
25	5310	14	19.7	341	1
26	5310	12	15.5	244	1
27	5310	14	19.5	281	1
28	5310	16	13.8	282	1
29	5310	15	19	430	1
30	5310	14	19.9	366	1
<b>Detection Percentage: 96.7 % (&gt;60%)</b>					

**Radar Type 5 Case 1 Statistical Performance**

Statistics 1 (ChirpCenter Frequency: 5310.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	16	88.1	1213	1858	0.05876	1
1	3	16	65.5	1486	1639	1.161437	
2	2	16	58.6	1061		1.717794	
3	1	16	66.9			2.814411	
4	2	16	54.3	1232		2.834167	
5	2	16	87.6	1712		3.625002	
6	2	16	66.8	1053		4.659425	
7	3	16	71.7	1102	1204	5.034894	
8	2	16	94.7	1988		6.128886	
9	1	16	72.3			6.962685	
10	1	16	50.8			7.328586	
11	3	16	71.4	1018	1149	8.386868	
12	1	16	80.1			8.775227	
13	2	16	51.4	1361		9.693275	
14	3	16	94.5	1881	1809	10.31151	
15	3	16	69.9	1093	1418	10.65295	
16	1	16	58.9			11.86546	

Statistics 2 (ChirpCenter Frequency: 5310.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	11	98.3	1412	1127	0.314041	1
1	2	11	97.2	1440		0.998728	
2	2	11	71.8	1403		1.34755	
3	2	11	60.7	1506		2.328816	
4	3	11	52.1	1679	1897	2.51064	
5	2	11	53.3	1144		3.008941	
6	2	11	80	1108		3.646733	
7	2	11	69.1	1885		4.59737	
8	3	11	65.5	1849	1034	5.015482	
9	1	11	57.8			5.800216	
10	1	11	63			6.170115	
11	2	11	94.2	1077		6.807519	
12	1	11	77.7			7.481932	
13	2	11	98.8	1037		8.368062	
14	1	11	78.9			8.819571	
15	2	11	91.9	1877		9.276094	
16	2	11	75	1562		10.181773	
17	1	11	87.4			10.491779	
18	1	11	60.1			11.390008	
19	1	11	61.7			11.480878	

## Statistics 3 (ChirpCenter Frequency: 5310.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	12	84.6	1584	1704	0.131484	1
1	1	12	57.7			0.688573	
2	2	12	84.7	1096		1.695876	
3	3	12	99	1000	1472	2.334671	
4	2	12	62.9	1830		2.598094	
5	2	12	65.3	1862		3.315551	
6	1	12	76.7			3.857419	
7	2	12	61	1888		5.014643	
8	3	12	86.2	1012	1773	5.268506	
9	1	12	57.4			6.081108	
10	3	12	96.7	1632	1608	6.405603	
11	2	12	80.5	1090		7.464159	
12	1	12	71.5			7.723545	
13	1	12	63.4			8.77781	
14	3	12	67.8	1130	1730	9.211438	
15	3	12	92.7	1598	1441	9.545642	
16	2	12	78.5	1275		10.709129	
17	2	12	85.8	1696		11.266833	
18	2	12	77.5	1936		11.918587	

## Statistics 4 (ChirpCenter Frequency: 5310.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	13	73.1	1236		0.698692	1
1	2	13	51.6	1870		1.340489	
2	3	13	86	1195	1899	1.629391	
3	1	13	54.2			2.251931	
4	2	13	81.3	1227		3.015857	
5	3	13	95.5	1017	1748	4.139161	
6	2	13	51.4	1473		4.736209	
7	3	13	63.5	1001	1206	5.461798	
8	2	13	72.8	1464		5.724159	
9	3	13	61.8	1631	1908	6.982127	
10	2	13	66.6	1752		7.680832	
11	3	13	87.8	1231	1706	8.315992	
12	1	13	51.5			9.117736	
13	2	13	64.4	1344		9.456404	
14	2	13	96.6	1343		10.287633	
15	2	13	63.9	1167		10.632429	
16	3	13	99.4	1717	1087	11.523111	

## Statistics 5(ChirpCenter Frequency: 5310.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	7	62.6			0.357847	1
1	2	7	87.6	1532		0.901833	
2	3	7	64.7	1063	1470	1.460949	
3	3	7	96.4	1299	1776	2.079839	
4	1	7	61.3			3.039448	
5	1	7	91.9			3.37606	
6	1	7	68.1			4.155997	
7	2	7	56	1176		4.837456	
8	2	7	57.4	1980		5.292509	
9	2	7	96.8	1544		6.025579	
10	3	7	98.8	1008	1607	6.87431	
11	1	7	83.8			7.326526	
12	2	7	66.7	1311		7.823046	
13	1	7	92.4			8.311885	
14	2	7	77.9	1343		9.194342	
15	2	7	63.2	1995		9.523875	
16	3	7	86.5	1121	1500	10.220526	
17	2	7	77	1743		10.830352	
18	1	7	85.8			11.921497	



## Statistics 6 (ChirpCenter Frequency: 5310.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width ( $\mu$ S)	Pulse 1-2 spacing( $\mu$ S)	Pulse 2-3 spacing( $\mu$ S)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	15	72			0.921669	1
1	2	15	82.8	1279		1.732071	
2	1	15	96.6			3.109551	
3	1	15	91.6			4.152875	
4	1	15	85.4			4.984117	
5	1	15	68.1			5.555665	
6	2	15	88.3	1037		7.530925	
7	3	15	91.2	1472	1762	8.067837	
8	3	15	90.2	1788	1856	9.370116	
9	1	15	99			10.245969	
10	1	15	56.2			11.100017	

Statistics 7(ChirpCenter Frequency: 5310.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	12	85	1533	1541	0.421927	1
1	1	12	75.3			0.84827	
2	1	12	61.6			1.941742	
3	1	12	51			2.306587	
4	1	12	64.7			3.221498	
5	1	12	72.4			4.088914	
6	2	12	97.8	1241		5.005632	
7	2	12	91.2	1175		5.344773	
8	2	12	57.2	1875		6.206047	
9	3	12	94.5	1812	1859	7.202811	
10	2	12	95.5	1886		7.660309	
11	2	12	53.9	1835		8.936381	
12	3	12	76.8	1322	1571	9.528631	
13	3	12	97.6	1093	1120	10.198959	
14	3	12	58.1	1995	1391	10.72219	
15	3	12	50.3	1955	1486	11.853227	

Statistics 8 (ChirpCenter Frequency: 5310.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	11	78.9	1098	1292	0.436839	1
1	2	11	77.9	1606		0.835335	
2	2	11	63.7	1506		1.70768	
3	3	11	74.3	1766	1952	2.732607	
4	3	11	61.9	1355	1475	3.294311	
5	1	11	94.7			4.038952	
6	1	11	61.9			4.601956	
7	3	11	92.7	1330	1929	5.605693	
8	3	11	80.3	1112	1233	6.329485	
9	2	11	87.9	1086		6.973145	
10	2	11	88.1	1099		7.616292	
11	2	11	88.1	1559		8.718667	
12	1	11	81.1			9.112333	
13	2	11	68.6	1187		10.01677	
14	2	11	95.6	1970		10.806417	
15	2	11	88	1616		11.387619	

## Statistics 9 (ChirpCenter Frequency: 5310.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	15	95.2	1007		0.212735	1
1	2	15	69.2	1024		2.661617	
2	1	15	72.1			3.903879	
3	3	15	88	1066	1987	5.134772	
4	2	15	86.4	1498		6.047512	
5	2	15	70	1566		8.377432	
6	3	15	88.9	1855	1575	9.609953	
7	3	15	97.4	1372	1715	11.962849	

## Statistics 10 (ChirpCenter Frequency: 5310.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	11	51.7			0.558188	1
1	2	11	61.4	1033		1.439477	
2	3	11	97.9	1820	1460	1.6331	
3	2	11	87.3	1043		2.284768	
4	3	11	51.1	1364	1760	3.671996	
5	2	11	96.2	1442		4.416034	
6	2	11	88.5	1756		4.663846	
7	1	11	50.5			5.597534	
8	3	11	52.5	1427	1736	6.076776	
9	3	11	67.2	1452	1029	6.8647	
10	2	11	79	1912		8.244834	
11	2	11	74.9	1547		8.735427	
12	1	11	52.8			9.366431	
13	3	11	65	1872	1095	10.288994	
14	1	11	60			10.912847	
15	1	11	86.5			11.28268	

**Radar Type 5 Case 2 Statistical Performance**

Statistics 1 (ChirpCenter Frequency: 5294.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	11	73.8	1136		0.730735	1
1	3	11	74	1774	1484	1.579009	
2	2	11	81.8	1439		1.701612	
3	3	11	50.5	1442	1074	2.50454	
4	1	11	94.7			3.412097	
5	1	11	65			4.639195	
6	3	11	70.2	1532	1138	5.493019	
7	2	11	51.1	1116		5.869342	
8	2	11	97.2	1740		6.855269	
9	3	11	82.3	1461	1380	7.666545	
10	3	11	90	1297	1177	8.747212	
11	3	11	71.8	1349	1867	9.056791	
12	3	11	74.3	1690	1881	10.247971	
13	1	11	63.9			10.75909	
14	3	11	76.7	1574	1557	11.445286	

Statistics 2 (ChirpCenter Frequency: 5294.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	10	89.4	1139		0.103583	1
1	3	10	73	1630	1738	1.155335	
2	2	10	76.1	1829		1.457031	
3	2	10	67.2	1160		2.377651	
4	2	10	94.5	1825		2.90856	
5	1	10	87			3.369195	
6	2	10	68.6	1860		4.420429	
7	2	10	87.4	1713		5.043634	
8	1	10	87.3			5.791195	
9	2	10	81.7	1942		6.656677	
10	2	10	94.9	1940		6.757857	
11	3	10	74.8	1797	1273	7.483195	
12	2	10	99.9	1396		8.616799	
13	2	10	90.1	1650		8.673402	
14	2	10	89.9	1682		9.451513	
15	2	10	82.9	1896		10.132277	
16	2	10	91	1946		10.944749	
17	2	10	75.6	1318		11.854988	

Statistics 3 (ChirpCenter Frequency: 5298.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	19	72.3	1528		0.765526	1
1	2	19	57.1	1260		1.345251	
2	3	19	70.6	1131	1032	2.041381	
3	2	19	93	1436		3.469415	
4	2	19	87.1	1330		4.643564	
5	2	19	67.9	1206		5.296371	
6	3	19	73.2	1160	1139	6.044152	
7	2	19	66.6	1653		7.237632	
8	2	19	91.8	1042		8.284608	
9	1	19	61.4			9.777436	
10	2	19	59.6	1144		10.297926	
11	3	19	77.5	1574	1995	11.450763	

Statistics 4 (ChirpCenter Frequency: 5298.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	20	83	1011		0.573716	1
1	1	20	52.7			1.120424	
2	2	20	96.8	1586		1.727086	
3	1	20	56.4			2.127972	
4	3	20	69.8	1596	1318	3.279832	
5	2	20	66.2	1228		3.74265	
6	2	20	67.4	1102		4.204173	
7	3	20	97.8	1860	1139	4.744514	
8	3	20	56.1	1613	1533	5.768116	
9	2	20	96.2	1874		6.086327	
10	3	20	72.8	1513	1589	7.285576	
11	3	20	92.8	1794	1357	7.497039	
12	2	20	78.5	1517		8.172055	
13	2	20	96.1	1476		9.237444	
14	1	20	74.6			9.79019	
15	2	20	91.9	1503		10.458336	
16	3	20	93.4	1033	1283	11.204698	
17	2	20	70.4	1204		11.533054	

Statistics 5 (ChirpCenter Frequency: 5297.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	17	67	1945		0.400183	1
1	2	17	94.2	1846		0.758013	
2	2	17	60.1	1749		1.491793	
3	3	17	50.8	1339	1936	2.390336	
4	2	17	50.2	1395		2.642563	
5	2	17	90.1	1537		3.069661	
6	2	17	96.3	1144		3.630406	
7	3	17	86.9	1569	1161	4.254791	
8	1	17	80.9			5.297838	
9	3	17	96.3	1255	1715	5.865948	
10	3	17	91.3	1405	1231	6.078117	
11	2	17	85.9	1470		7.007593	
12	1	17	51.2			7.603908	
13	2	17	57	1965		8.12145	
14	1	17	75			8.434075	
15	2	17	82.9	1632		9.391994	
16	3	17	83.8	1132	1961	10.074667	
17	3	17	55.9	1793	1164	10.504048	
18	1	17	89.7			10.80629	
19	2	17	78.1	1339		11.596261	

Statistics 6 (ChirpCenter Frequency: 5296.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	16	75.2	1945		0.551299	1
1	1	16	68.4			1.488697	
2	2	16	98.8	1042		1.61442	
3	3	16	75.4	1820	1908	2.260775	
4	3	16	69	1883	1199	3.215509	
5	2	16	86.9	1161		4.411597	
6	2	16	74	1702		4.764265	
7	3	16	73.7	1653	1202	5.264254	
8	3	16	53.1	1734	1214	6.722302	
9	2	16	67.6	1085		6.966065	
10	2	16	65.5	1031		7.758119	
11	2	16	85	1260		8.736988	
12	2	16	91.6	1217		9.628594	
13	2	16	75.6	1019		10.347202	
14	2	16	83.8	1362		11.130931	
15	2	16	85.4	1839		11.2688	

Statistics 7 (ChirpCenter Frequency: 5292.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	5	50.4	1010		0.370493	1
1	1	5	53			1.485906	
2	1	5	93.7			3.258627	
3	2	5	87.6	1781		4.21415	
4	1	5	81.7			5.077564	
5	3	5	82.1	1478	1372	6.072319	
6	1	5	52.2			7.730749	
7	1	5	81.9			9.171021	
8	1	5	73			10.046157	
9	2	5	79.7	1423		11.393488	

Statistics 8 (ChirpCenter Frequency: 5292.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	6	98.6	1225	1980	0.496347	1
1	3	6	67.9	1748	1060	1.650492	
2	2	6	64.8	1753		4.17266	
3	3	6	52	1529	1288	5.737359	
4	3	6	51.3	1186	1832	7.092234	
5	2	6	72.5	1849		8.83591	
6	3	6	87.9	1866	1889	9.238851	
7	3	6	51.6	1877	1518	10.560599	

## Statistics 9 (ChirpCenter Frequency: 5296.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	14	77.7	1452		0.703973	1
1	1	14	67.5			0.979723	
2	2	14	88.4	1815		1.902561	
3	1	14	61.9			2.585762	
4	2	14	100	1941		4.027687	
5	3	14	64.3	1116	1435	4.578105	
6	2	14	92.6	1570		5.771343	
7	3	14	90.1	1052	1658	6.280513	
8	2	14	51.5	1429		7.511859	
9	1	14	63.1			8.424674	
10	2	14	63.7	1397		8.695496	
11	1	14	73			10.258831	
12	3	14	58.9	1628	1600	10.332513	
13	3	14	95.8	1125	1971	11.930298	

## Statistics 10 (ChirpCenter Frequency: 5294.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	10	59	1594	1504	0.322625	1
1	1	10	52.9			1.322945	
2	2	10	79.9	1557		2.073694	
3	1	10	91.1			3.207737	
4	2	10	89.8	1828		3.792661	
5	2	10	54.5	1667		5.077943	
6	2	10	61.9	1554		5.257796	
7	3	10	79.3	1431	1355	6.824346	
8	2	10	80.1	1267		7.010964	
9	3	10	86.1	1842	1125	7.932984	
10	1	10	74.9			8.878985	
11	2	10	80.6	1158		9.915084	
12	2	10	88.6	1482		10.870564	
13	3	10	54.1	1964	1706	11.93376	



**Radar Type 5 Case 3 Statistical Performance**

Statistics 1 (ChirpCenter Frequency: 5328.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	6	99.9	1342	1238	0.604443	1
1	2	6	55	1728		1.282946	
2	2	6	55.2	1960		2.338561	
3	2	6	96.7	1084		2.68478	
4	2	6	72.8	1340		3.286683	
5	2	6	74.6	1335		4.420184	
6	2	6	86.3	1016		5.479748	
7	1	6	97.2			6.159188	
8	3	6	51.4	1318	1472	6.965637	
9	3	6	63.2	1066	1689	7.82793	
10	2	6	92	1624		8.409045	
11	1	6	77.3			8.82761	
12	1	6	90.4			10.340778	
13	2	6	74.9	1158		10.956747	
14	2	6	95.6	1916		11.778135	

Statistics 2 (ChirpCenter Frequency: 5327.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	7	90	1984	1762	0.477939	1
1	1	7	97.3			0.872808	
2	3	7	57.7	1635	1800	2.029864	
3	2	7	71	1875		3.09889	
4	2	7	73.3	1965		3.59086	
5	2	7	76.6	1338		4.735999	
6	2	7	93.3	1804		5.366296	
7	2	7	86.5	1397		6.099738	
8	3	7	52.5	1818	1766	7.075553	
9	1	7	91.5			7.817528	
10	2	7	54.1	1217		8.667725	
11	1	7	83.8			9.041471	
12	2	7	89.9	1833		9.896077	
13	2	7	70.7	1274		10.980001	
14	2	7	63.7	1817		11.590829	

## Statistics 3 (ChirpCenter Frequency: 5323.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	18	72.5	1129	1142	0.408136	1
1	2	18	85.8	1298		1.26573	
2	2	18	96	1832		2.690015	
3	3	18	56.8	1540	1942	3.025825	
4	2	18	70.2	1410		4.604163	
5	2	18	81.9	1269		5.41188	
6	2	18	62	1536		5.753629	
7	2	18	96.3	1859		6.812196	
8	1	18	73.7			7.760305	
9	2	18	58.5	1618		8.395993	
10	1	18	91			9.655174	
11	3	18	82.9	1083	1922	10.23603	
12	2	18	84.2	1525		11.857729	

## Statistics 4 (ChirpCenter Frequency: 5325.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	12	55.1			1.258056	1
1	3	12	67.9	1143	1731	2.231132	
2	2	12	73.1	1769		3.100125	
3	2	12	53.3	1400		4.904014	
4	1	12	87.4			5.556743	
5	2	12	52.7	1334		7.951517	
6	2	12	75.7	1932		8.421317	
7	2	12	95.8	1192		10.335273	
8	3	12	98.9	1701	1790	11.175494	

Statistics 5 (ChirpCenter Frequency: 5322.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	19	80.5	1572	1504	0.564825	1
1	2	19	96.1	1065		1.038924	
2	2	19	63.5	1615		2.119796	
3	2	19	68.7	1248		3.881759	
4	2	19	79.1	1101		4.817146	
5	1	19	59.1			5.287372	
6	2	19	56.5	1520		6.585578	
7	2	19	96.4	1225		7.622946	
8	3	19	58.8	1345	1194	8.489494	
9	2	19	67.7	1721		9.573744	
10	2	19	71.9	1742		10.045057	
11	1	19	91.2			11.268833	

Statistics 6 (ChirpCenter Frequency: 5325.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	12	57.1	1613	1891	0.990444	1
1	3	12	71.2	1987	1849	1.721156	
2	2	12	61.5	1871		3.003843	
3	3	12	72.3	1801	1862	4.129712	
4	2	12	85.6	1603		6.15896	
5	3	12	81.2	1061	1989	6.721922	
6	2	12	53.4	1556		8.847792	
7	2	12	70.2	1137		9.925874	
8	3	12	68.1	1086	1643	11.93139	

## Statistics 7 (ChirpCenter Frequency: 5324.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	15	96.5	1213		0.508241	1
1	2	15	66.5	1960		1.036162	
2	2	15	55.1	1994		1.734786	
3	2	15	94.9	1375		2.841716	
4	1	15	97.4			3.270347	
5	1	15	52.4			4.400524	
6	1	15	65.6			5.134661	
7	2	15	86.1	1147		5.857575	
8	2	15	53.8	1073		7.188617	
9	2	15	92.7	1392		7.590302	
10	2	15	58.7	1312		8.355982	
11	2	15	86.9	1229		9.477764	
12	3	15	64.5	1675	1602	10.157902	
13	1	15	90			10.566025	
14	1	15	62.1			11.835183	

## Statistics 8 (ChirpCenter Frequency: 5323.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	17	76.8	1286	1845	1.253333	1
1	3	17	72.3	1286	1611	2.720046	
2	1	17	56.1			4.365216	
3	3	17	64.4	1636	1537	4.720776	
4	3	17	77.1	1735	1812	6.916623	
5	2	17	72.3	1310		8.305581	
6	3	17	79.6	1685	1701	9.613913	
7	2	17	73.8	1706		11.236642	

## Statistics 9 (ChirpCenter Frequency: 5324.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	14	52.2	1444		0.345506	1
1	2	14	80.4	1433		0.922363	
2	2	14	73.2	1743		1.90787	
3	3	14	92.3	1451	1412	2.282249	
4	2	14	93.7	1381		3.514815	
5	2	14	73.2	1476		4.046793	
6	1	14	54.3			4.649606	
7	2	14	59.7	1158		5.15219	
8	2	14	52.3	1592		6.012827	
9	1	14	58.5			6.511656	
10	2	14	91.5	1088		7.701766	
11	2	14	64.8	1814		7.883161	
12	3	14	89.5	1686	1368	8.879925	
13	3	14	61.9	1188	1032	9.542833	
14	1	14	65.8			10.378644	
15	3	14	72.1	1375	1701	10.94865	
16	2	14	76.9	1236		11.635758	

## Statistics 10 (ChirpCenter Frequency: 5325.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	13	57.2	1419		0.541097	1
1	1	13	71.6			1.855154	
2	2	13	71.8	1620		2.820796	
3	2	13	83.9	1704		3.331364	
4	1	13	84.2			4.192893	
5	1	13	78.2			5.298721	
6	2	13	79	1800		6.063837	
7	1	13	88.5			7.128701	
8	2	13	51.9	1992		8.247949	
9	2	13	94.7	1913		9.542762	
10	3	13	55.5	1843	1678	10.573552	
11	2	13	56.6	1943		11.146811	

**Radar Type 6 Statistical Performance**

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)	Hopping Sequence (MHz)
1	5310	9	1	333	1	5444.0, 5394.0, 5720.0, 5531.0, 5367.0, 5713.0, 5478.0, 5397.0, 5378.0, 5721.0, 5354.0, 5569.0, 5520.0, 5297.0, 5511.0, 5603.0, 5359.0, 5370.0, 5402.0, 5562.0, 5675.0, 5654.0, 5617.0, 5644.0, 5563.0, 5700.0, 5618.0, 5626.0, 5610.0, 5634.0, 5454.0, 5554.0, 5326.0, 5448.0, 5648.0, 5388.0, 5363.0, 5717.0, 5347.0, 5616.0, 5605.0, 5699.0, 5712.0, 5501.0, 5353.0, 5403.0, 5365.0, 5496.0, 5417.0, 5383.0, 5672.0, 5462.0, 5386.0, 5470.0, 5606.0, 5342.0, 5613.0, 5494.0, 5382.0, 5273.0, 5608.0, 5622.0, 5391.0, 5427.0, 5466.0, 5350.0, 5508.0, 5483.0, 5685.0, 5656.0, 5351.0, 5418.0, 5457.0, 5258.0, 5586.0, 5358.0, 5298.0, 5355.0, 5412.0, 5542.0, 5424.0, 5274.0, 5689.0, 5518.0, 5461.0, 5643.0, 5703.0, 5645.0, 5425.0, 5553.0, 5538.0, 5564.0, 5653.0, 5254.0, 5584.0, 5568.0, 5261.0, 5578.0, 5488.0, 5504.0
2	5310	9	1	333	1	5673.0, 5534.0, 5356.0, 5283.0, 5303.0, 5393.0, 5332.0, 5469.0, 5268.0, 5679.0, 5263.0, 5398.0, 5407.0, 5605.0, 5640.0, 5364.0, 5274.0, 5517.0, 5664.0, 5369.0, 5335.0, 5702.0, 5608.0, 5301.0, 5524.0, 5418.0, 5669.0, 5419.0, 5480.0, 5563.0, 5618.0, 5682.0, 5291.0, 5711.0, 5320.0, 5278.0, 5477.0, 5592.0, 5470.0, 5321.0, 5600.0, 5455.0, 5313.0, 5287.0, 5644.0, 5400.0, 5352.0, 5497.0, 5660.0, 5675.0, 5388.0, 5507.0, 5545.0, 5463.0, 5577.0, 5569.0, 5326.0, 5493.0, 5642.0, 5602.0, 5630.0, 5323.0, 5475.0, 5458.0, 5349.0, 5409.0, 5611.0, 5521.0, 5266.0, 5289.0, 5654.0, 5690.0, 5459.0, 5671.0, 5254.0, 5515.0, 5508.0, 5384.0, 5707.0, 5641.0, 5397.0, 5453.0, 5619.0, 5565.0, 5538.0, 5262.0, 5710.0, 5447.0, 5613.0, 5632.0, 5699.0, 5484.0, 5509.0, 5482.0, 5544.0, 5650.0, 5634.0, 5348.0, 5449.0, 5561.0
3	5310	9	1	333	1	5482.0, 5690.0, 5456.0, 5288.0, 5559.0, 5584.0, 5480.0, 5384.0, 5502.0, 5468.0, 5313.0, 5367.0, 5346.0, 5386.0, 5439.0, 5579.0, 5542.0, 5486.0, 5304.0, 5333.0, 5443.0, 5272.0, 5498.0, 5507.0, 5528.0, 5343.0, 5478.0, 5515.0, 5666.0, 5665.0, 5284.0, 5373.0, 5349.0, 5523.0, 5589.0, 5691.0, 5353.0, 5530.0, 5389.0, 5366.0, 5598.0, 5428.0, 5397.0, 5399.0, 5719.0, 5315.0, 5307.0, 5674.0, 5533.0, 5680.0, 5380.0, 5617.0, 5270.0, 5425.0, 5722.0, 5677.0, 5625.0, 5338.0, 5354.0, 5432.0, 5276.0, 5335.0, 5544.0, 5262.0, 5605.0, 5505.0, 5393.0, 5717.0, 5442.0, 5521.0

						5555.0, 5602.0, 5365.0, 5267.0, 5648.0, 5558.0, 5455.0, 5257.0, 5546.0, 5587.0, 5445.0, 5371.0, 5475.0, 5274.0, 5578.0, 5494.0, 5529.0, 5723.0, 5676.0, 5575.0, 5268.0, 5254.0, 5657.0, 5571.0, 5368.0, 5687.0, 5260.0, 5321.0, 5709.0, 5671.0
4	5310	9	1	333	1	5583.0, 5477.0, 5391.0, 5425.0, 5682.0, 5367.0, 5556.0, 5585.0, 5652.0, 5559.0, 5502.0, 5403.0, 5288.0, 5489.0, 5632.0, 5581.0, 5531.0, 5434.0, 5444.0, 5537.0, 5433.0, 5482.0, 5610.0, 5693.0, 5351.0, 5543.0, 5495.0, 5625.0, 5348.0, 5315.0, 5515.0, 5371.0, 5284.0, 5494.0, 5619.0, 5257.0, 5446.0, 5573.0, 5567.0, 5389.0, 5318.0, 5414.0, 5345.0, 5471.0, 5716.0, 5601.0, 5566.0, 5336.0, 5252.0, 5686.0, 5267.0, 5364.0, 5458.0, 5649.0, 5377.0, 5700.0, 5366.0, 5272.0, 5676.0, 5646.0, 5360.0, 5450.0, 5577.0, 5321.0, 5386.0, 5696.0, 5526.0, 5712.0, 5278.0, 5594.0, 5469.0, 5528.0, 5521.0, 5636.0, 5666.0, 5530.0, 5538.0, 5259.0, 5342.0, 5335.0, 5487.0, 5564.0, 5320.0, 5292.0, 5645.0, 5424.0, 5266.0, 5329.0, 5374.0, 5724.0, 5574.0, 5461.0, 5513.0, 5269.0, 5431.0, 5412.0, 5303.0, 5644.0, 5599.0, 5635.0
5	5310	9	1	333	1	5573.0, 5336.0, 5560.0, 5646.0, 5342.0, 5384.0, 5611.0, 5452.0, 5351.0, 5476.0, 5458.0, 5277.0, 5316.0, 5668.0, 5470.0, 5664.0, 5325.0, 5309.0, 5474.0, 5609.0, 5279.0, 5553.0, 5259.0, 5460.0, 5413.0, 5480.0, 5504.0, 5694.0, 5624.0, 5523.0, 5594.0, 5355.0, 5650.0, 5305.0, 5397.0, 5443.0, 5346.0, 5466.0, 5256.0, 5360.0, 5264.0, 5339.0, 5401.0, 5628.0, 5378.0, 5666.0, 5612.0, 5707.0, 5633.0, 5603.0, 5337.0, 5669.0, 5454.0, 5652.0, 5698.0, 5354.0, 5509.0, 5304.0, 5441.0, 5576.0, 5615.0, 5368.0, 5335.0, 5710.0, 5554.0, 5315.0, 5290.0, 5311.0, 5434.0, 5610.0, 5310.0, 5536.0, 5328.0, 5385.0, 5391.0, 5703.0, 5455.0, 5706.0, 5294.0, 5631.0, 5269.0, 5681.0, 5634.0, 5659.0, 5708.0, 5353.0, 5532.0, 5295.0, 5467.0, 5420.0, 5429.0, 5715.0, 5506.0, 5566.0, 5677.0, 5613.0, 5379.0, 5687.0, 5558.0, 5270.0
6	5310	9	1	333	1	5666.0, 5671.0, 5505.0, 5581.0, 5313.0, 5519.0, 5417.0, 5255.0, 5587.0, 5344.0, 5701.0, 5558.0, 5625.0, 5371.0, 5294.0, 5451.0, 5317.0, 5257.0, 5659.0, 5372.0, 5647.0, 5677.0, 5349.0, 5507.0, 5442.0, 5460.0, 5403.0, 5708.0, 5715.0, 5540.0, 5686.0, 5665.0, 5613.0, 5279.0, 5277.0, 5658.0, 5265.0, 5551.0, 5474.0, 5506.0, 5378.0, 5414.0, 5694.0, 5303.0, 5459.0, 5462.0, 5253.0, 5391.0, 5475.0, 5565.0, 5716.0, 5347.0, 5550.0, 5606.0, 5498.0, 5555.0, 5297.0, 5514.0, 5453.0, 5306.0, 5679.0, 5328.0, 5440.0, 5602.0, 5345.0,

						5676.0, 5468.0, 5562.0, 5503.0, 5622.0, 5268.0, 5624.0, 5566.0, 5685.0, 5394.0, 5406.0, 5528.0, 5700.0, 5646.0, 5589.0, 5360.0, 5325.0, 5634.0, 5362.0, 5522.0, 5384.0, 5564.0, 5480.0, 5567.0, 5584.0, 5290.0, 5425.0, 5616.0, 5693.0, 5651.0, 5339.0, 5446.0, 5574.0, 5369.0, 5579.0
7	5310	9	1	333	1	5384.0, 5439.0, 5581.0, 5305.0, 5285.0, 5255.0, 5372.0, 5338.0, 5554.0, 5670.0, 5692.0, 5611.0, 5700.0, 5408.0, 5654.0, 5382.0, 5426.0, 5664.0, 5722.0, 5327.0, 5267.0, 5449.0, 5491.0, 5374.0, 5675.0, 5296.0, 5492.0, 5263.0, 5437.0, 5591.0, 5306.0, 5515.0, 5689.0, 5447.0, 5666.0, 5432.0, 5415.0, 5511.0, 5523.0, 5410.0, 5649.0, 5317.0, 5606.0, 5567.0, 5637.0, 5440.0, 5331.0, 5613.0, 5262.0, 5718.0, 5354.0, 5588.0, 5407.0, 5671.0, 5597.0, 5343.0, 5282.0, 5462.0, 5494.0, 5509.0, 5602.0, 5529.0, 5257.0, 5431.0, 5266.0, 5634.0, 5617.0, 5638.0, 5690.0, 5590.0, 5496.0, 5513.0, 5623.0, 5626.0, 5631.0, 5422.0, 5564.0, 5569.0, 5402.0, 5487.0, 5297.0, 5628.0, 5367.0, 5592.0, 5324.0, 5298.0, 5489.0, 5360.0, 5357.0, 5495.0, 5401.0, 5674.0, 5593.0, 5583.0, 5520.0, 5694.0, 5678.0, 5579.0, 5719.0, 5417.0
8	5310	9	1	333	1	5303.0, 5341.0, 5326.0, 5414.0, 5688.0, 5438.0, 5540.0, 5572.0, 5602.0, 5549.0, 5718.0, 5459.0, 5250.0, 5528.0, 5403.0, 5346.0, 5397.0, 5256.0, 5565.0, 5455.0, 5558.0, 5308.0, 5496.0, 5662.0, 5616.0, 5432.0, 5553.0, 5313.0, 5274.0, 5531.0, 5580.0, 5368.0, 5460.0, 5425.0, 5323.0, 5676.0, 5537.0, 5509.0, 5357.0, 5334.0, 5711.0, 5476.0, 5659.0, 5517.0, 5634.0, 5590.0, 5519.0, 5365.0, 5628.0, 5703.0, 5660.0, 5319.0, 5372.0, 5552.0, 5617.0, 5523.0, 5535.0, 5394.0, 5483.0, 5314.0, 5481.0, 5265.0, 5513.0, 5700.0, 5638.0, 5430.0, 5542.0, 5434.0, 5466.0, 5505.0, 5556.0, 5691.0, 5366.0, 5271.0, 5488.0, 5289.0, 5441.0, 5629.0, 5499.0, 5316.0, 5501.0, 5713.0, 5492.0, 5546.0, 5272.0, 5619.0, 5714.0, 5322.0, 5343.0, 5310.0, 5698.0, 5511.0, 5447.0, 5405.0, 5330.0, 5719.0, 5692.0, 5626.0, 5510.0, 5479.0
9	5310	9	1	333	1	5677.0, 5606.0, 5615.0, 5532.0, 5718.0, 5669.0, 5330.0, 5470.0, 5699.0, 5493.0, 5568.0, 5566.0, 5570.0, 5579.0, 5339.0, 5322.0, 5531.0, 5646.0, 5417.0, 5387.0, 5317.0, 5482.0, 5414.0, 5525.0, 5432.0, 5468.0, 5478.0, 5636.0, 5492.0, 5393.0, 5645.0, 5607.0, 5544.0, 5407.0, 5705.0, 5439.0, 5386.0, 5692.0, 5351.0, 5558.0, 5368.0, 5696.0, 5484.0, 5392.0, 5663.0, 5355.0, 5278.0, 5639.0, 5559.0, 5354.0, 5721.0, 5682.0, 5661.0, 5426.0, 5378.0, 5717.0, 5535.0, 5376.0, 5401.0, 5345.0,



						5284.0, 5644.0, 5723.0, 5421.0, 5305.0, 5708.0, 5625.0, 5400.0, 5425.0, 5507.0, 5442.0, 5557.0, 5662.0, 5660.0, 5422.0, 5263.0, 5528.0, 5404.0, 5530.0, 5427.0, 5383.0, 5672.0, 5297.0, 5440.0, 5657.0, 5286.0, 5277.0, 5445.0, 5483.0, 5359.0, 5632.0, 5397.0, 5372.0, 5288.0, 5485.0, 5329.0, 5370.0, 5462.0, 5471.0, 5595.0
10	5310	9	1	333	1	5691.0, 5566.0, 5478.0, 5516.0, 5557.0, 5509.0, 5504.0, 5522.0, 5294.0, 5716.0, 5303.0, 5558.0, 5475.0, 5443.0, 5508.0, 5502.0, 5341.0, 5531.0, 5272.0, 5693.0, 5447.0, 5399.0, 5310.0, 5251.0, 5543.0, 5657.0, 5393.0, 5666.0, 5616.0, 5498.0, 5323.0, 5469.0, 5582.0, 5605.0, 5394.0, 5459.0, 5302.0, 5690.0, 5637.0, 5429.0, 5599.0, 5315.0, 5440.0, 5602.0, 5552.0, 5301.0, 5651.0, 5278.0, 5405.0, 5709.0, 5318.0, 5701.0, 5524.0, 5417.0, 5549.0, 5609.0, 5565.0, 5614.0, 5646.0, 5601.0, 5430.0, 5623.0, 5644.0, 5446.0, 5618.0, 5607.0, 5723.0, 5331.0, 5560.0, 5373.0, 5530.0, 5452.0, 5501.0, 5684.0, 5596.0, 5544.0, 5364.0, 5661.0, 5431.0, 5562.0, 5554.0, 5559.0, 5402.0, 5423.0, 5309.0, 5612.0, 5627.0, 5677.0, 5263.0, 5708.0, 5286.0, 5395.0, 5324.0, 5464.0, 5525.0, 5276.0, 5620.0, 5361.0, 5409.0, 5467.0
11	5310	9	1	333	1	5370.0, 5722.0, 5561.0, 5590.0, 5619.0, 5667.0, 5682.0, 5374.0, 5257.0, 5644.0, 5425.0, 5539.0, 5509.0, 5404.0, 5492.0, 5518.0, 5580.0, 5298.0, 5589.0, 5686.0, 5359.0, 5406.0, 5596.0, 5554.0, 5545.0, 5375.0, 5599.0, 5680.0, 5623.0, 5307.0, 5414.0, 5659.0, 5372.0, 5522.0, 5708.0, 5655.0, 5312.0, 5376.0, 5368.0, 5255.0, 5473.0, 5608.0, 5636.0, 5293.0, 5439.0, 5304.0, 5535.0, 5642.0, 5641.0, 5699.0, 5553.0, 5410.0, 5548.0, 5303.0, 5343.0, 5546.0, 5696.0, 5567.0, 5640.0, 5709.0, 5691.0, 5395.0, 5256.0, 5301.0, 5441.0, 5268.0, 5444.0, 5267.0, 5266.0, 5465.0, 5419.0, 5528.0, 5422.0, 5675.0, 5612.0, 5574.0, 5493.0, 5275.0, 5417.0, 5586.0, 5543.0, 5283.0, 5326.0, 5261.0, 5529.0, 5431.0, 5602.0, 5550.0, 5409.0, 5597.0, 5319.0, 5294.0, 5633.0, 5411.0, 5285.0, 5677.0, 5453.0, 5538.0, 5533.0, 5251.0
12	5310	9	1	333	1	5613.0, 5671.0, 5723.0, 5575.0, 5604.0, 5502.0, 5331.0, 5690.0, 5492.0, 5380.0, 5337.0, 5443.0, 5367.0, 5370.0, 5535.0, 5707.0, 5427.0, 5608.0, 5663.0, 5436.0, 5289.0, 5610.0, 5545.0, 5638.0, 5453.0, 5581.0, 5421.0, 5458.0, 5422.0, 5297.0, 5444.0, 5688.0, 5342.0, 5546.0, 5529.0, 5354.0, 5621.0, 5432.0, 5566.0, 5625.0, 5455.0, 5369.0, 5286.0, 5445.0, 5643.0, 5319.0, 5426.0, 5441.0, 5500.0, 5487.0, 5652.0, 5281.0, 5373.0, 5587.0, 5280.0,

						5618.0, 5561.0, 5594.0, 5355.0, 5266.0, 5442.0, 5554.0, 5574.0, 5389.0, 5253.0, 5493.0, 5299.0, 5522.0, 5395.0, 5511.0, 5470.0, 5486.0, 5590.0, 5632.0, 5356.0, 5284.0, 5533.0, 5351.0, 5277.0, 5599.0, 5419.0, 5627.0, 5678.0, 5605.0, 5396.0, 5544.0, 5368.0, 5381.0, 5388.0, 5679.0, 5300.0, 5439.0, 5483.0, 5270.0, 5677.0, 5490.0, 5570.0, 5353.0, 5527.0, 5414.0
13	5310	9	1	333	1	5378.0, 5264.0, 5476.0, 5646.0, 5667.0, 5263.0, 5340.0, 5291.0, 5572.0, 5707.0, 5402.0, 5301.0, 5300.0, 5704.0, 5312.0, 5371.0, 5570.0, 5298.0, 5723.0, 5331.0, 5433.0, 5406.0, 5517.0, 5670.0, 5403.0, 5425.0, 5497.0, 5463.0, 5674.0, 5446.0, 5512.0, 5475.0, 5716.0, 5302.0, 5658.0, 5382.0, 5279.0, 5584.0, 5350.0, 5642.0, 5601.0, 5669.0, 5370.0, 5573.0, 5379.0, 5317.0, 5521.0, 5576.0, 5508.0, 5398.0, 5255.0, 5377.0, 5675.0, 5389.0, 5641.0, 5546.0, 5545.0, 5339.0, 5314.0, 5506.0, 5680.0, 5338.0, 5416.0, 5557.0, 5510.0, 5654.0, 5597.0, 5555.0, 5415.0, 5500.0, 5711.0, 5604.0, 5610.0, 5712.0, 5305.0, 5348.0, 5460.0, 5543.0, 5399.0, 5613.0, 5436.0, 5266.0, 5464.0, 5547.0, 5655.0, 5474.0, 5616.0, 5422.0, 5364.0, 5359.0, 5692.0, 5713.0, 5400.0, 5617.0, 5554.0, 5683.0, 5417.0, 5311.0, 5663.0, 5470.0
14	5310	9	1	333	1	5476.0, 5307.0, 5576.0, 5677.0, 5532.0, 5653.0, 5522.0, 5316.0, 5531.0, 5424.0, 5298.0, 5524.0, 5314.0, 5304.0, 5645.0, 5264.0, 5339.0, 5649.0, 5627.0, 5329.0, 5260.0, 5255.0, 5595.0, 5251.0, 5540.0, 5297.0, 5429.0, 5709.0, 5388.0, 5455.0, 5266.0, 5680.0, 5369.0, 5346.0, 5554.0, 5619.0, 5614.0, 5710.0, 5509.0, 5410.0, 5496.0, 5366.0, 5667.0, 5563.0, 5708.0, 5393.0, 5613.0, 5722.0, 5639.0, 5501.0, 5354.0, 5584.0, 5394.0, 5717.0, 5253.0, 5391.0, 5286.0, 5398.0, 5289.0, 5470.0, 5629.0, 5434.0, 5437.0, 5381.0, 5301.0, 5694.0, 5492.0, 5440.0, 5654.0, 5503.0, 5656.0, 5384.0, 5364.0, 5516.0, 5340.0, 5589.0, 5695.0, 5502.0, 5530.0, 5435.0, 5413.0, 5291.0, 5660.0, 5464.0, 5573.0, 5705.0, 5313.0, 5372.0, 5582.0, 5317.0, 5321.0, 5560.0, 5480.0, 5566.0, 5547.0, 5331.0, 5538.0, 5262.0, 5448.0, 5511.0
15	5310	9	1	333	1	5338.0, 5573.0, 5717.0, 5372.0, 5722.0, 5615.0, 5398.0, 5341.0, 5464.0, 5572.0, 5305.0, 5256.0, 5598.0, 5532.0, 5626.0, 5607.0, 5618.0, 5297.0, 5541.0, 5319.0, 5459.0, 5405.0, 5696.0, 5593.0, 5490.0, 5351.0, 5528.0, 5707.0, 5669.0, 5677.0, 5390.0, 5485.0, 5363.0, 5371.0, 5289.0, 5381.0, 5580.0, 5290.0, 5605.0, 5520.0, 5565.0, 5253.0, 5621.0, 5516.0, 5418.0, 5317.0, 5686.0, 5500.0, 5493.0, 5386.0,

						5304.0, 5557.0, 5410.0, 5471.0, 5252.0, 5709.0, 5657.0, 5465.0, 5419.0, 5631.0, 5553.0, 5511.0, 5339.0, 5268.0, 5576.0, 5538.0, 5468.0, 5512.0, 5616.0, 5575.0, 5364.0, 5603.0, 5406.0, 5685.0, 5487.0, 5374.0, 5463.0, 5411.0, 5357.0, 5658.0, 5633.0, 5645.0, 5302.0, 5663.0, 5629.0, 5375.0, 5515.0, 5691.0, 5502.0, 5498.0, 5635.0, 5474.0, 5292.0, 5670.0, 5342.0, 5368.0, 5440.0, 5674.0, 5258.0, 5361.0
16	5310	9	1	333	1	5251.0, 5671.0, 5429.0, 5602.0, 5547.0, 5467.0, 5325.0, 5540.0, 5686.0, 5288.0, 5488.0, 5694.0, 5323.0, 5608.0, 5568.0, 5260.0, 5583.0, 5520.0, 5414.0, 5603.0, 5589.0, 5309.0, 5444.0, 5718.0, 5703.0, 5560.0, 5591.0, 5722.0, 5341.0, 5634.0, 5297.0, 5558.0, 5629.0, 5485.0, 5494.0, 5326.0, 5270.0, 5555.0, 5362.0, 5338.0, 5387.0, 5435.0, 5539.0, 5590.0, 5723.0, 5705.0, 5609.0, 5610.0, 5407.0, 5390.0, 5693.0, 5318.0, 5628.0, 5647.0, 5575.0, 5481.0, 5516.0, 5293.0, 5536.0, 5364.0, 5625.0, 5574.0, 5592.0, 5261.0, 5450.0, 5640.0, 5638.0, 5417.0, 5644.0, 5307.0, 5285.0, 5679.0, 5335.0, 5254.0, 5369.0, 5518.0, 5453.0, 5374.0, 5354.0, 5305.0, 5571.0, 5670.0, 5613.0, 5541.0, 5459.0, 5524.0, 5535.0, 5596.0, 5656.0, 5394.0, 5349.0, 5553.0, 5526.0, 5663.0, 5383.0, 5403.0, 5278.0, 5361.0, 5382.0, 5659.0
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24	5310	9	1	333	1	5532.0, 5309.0, 5300.0, 5361.0, 5614.0, 5251.0, 5394.0, 5453.0, 5625.0, 5496.0, 5654.0, 5639.0, 5626.0, 5592.0, 5290.0, 5299.0, 5638.0, 5712.0, 5558.0, 5314.0, 5677.0, 5272.0, 5364.0, 5318.0, 5431.0, 5259.0, 5636.0, 5260.0, 5649.0, 5687.0, 5551.0, 5296.0, 5707.0, 5478.0, 5382.0,

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29	5310	9	1	333	1	5581.0, 5723.0, 5258.0, 5401.0, 5431.0, 5535.0, 5344.0, 5698.0, 5294.0, 5673.0, 5542.0, 5583.0, 5429.0, 5534.0, 5480.0, 5668.0, 5437.0, 5282.0, 5544.0, 5476.0, 5313.0, 5627.0, 5536.0, 5285.0, 5573.0, 5666.0, 5487.0, 5543.0, 5343.0, 5547.0, 5348.0, 5568.0, 5601.0, 5450.0, 5307.0, 5716.0, 5600.0, 5697.0, 5255.0, 5474.0, 5577.0, 5650.0, 5623.0, 5554.0, 5605.0, 5329.0, 5299.0, 5651.0, 5603.0, 5288.0, 5714.0, 5516.0, 5513.0, 5398.0, 5614.0, 5277.0, 5712.0, 5321.0, 5658.0, 5286.0, 5660.0, 5715.0, 5267.0, 5444.0, 5499.0, 5339.0, 5647.0, 5448.0, 5337.0, 5427.0, 5377.0, 5642.0, 5333.0, 5622.0, 5514.0, 5426.0, 5436.0, 5253.0, 5469.0, 5372.0, 5618.0, 5428.0, 5292.0, 5706.0, 5303.0, 5388.0, 5359.0, 5708.0, 5367.0, 5369.0, 5318.0, 5711.0, 5508.0, 5624.0, 5404.0, 5562.0, 5360.0, 5721.0, 5322.0, 5596.0
30	5310	9	1	333	1	5506.0, 5472.0, 5361.0, 5684.0, 5617.0, 5697.0, 5474.0, 5466.0, 5654.0, 5713.0, 5522.0, 5651.0, 5493.0, 5334.0, 5453.0, 5528.0, 5401.0, 5342.0, 5470.0, 5309.0, 5280.0, 5330.0, 5546.0, 5364.0, 5612.0,

						5265.0, 5290.0, 5311.0, 5251.0, 5723.0, 5704.0, 5618.0, 5691.0, 5355.0, 5710.0, 5322.0, 5375.0, 5451.0, 5556.0, 5317.0, 5270.0, 5717.0, 5635.0, 5490.0, 5352.0, 5314.0, 5565.0, 5281.0, 5319.0, 5491.0, 5464.0, 5521.0, 5653.0, 5576.0, 5433.0, 5291.0, 5318.0, 5624.0, 5358.0, 5384.0, 5421.0, 5468.0, 5645.0, 5602.0, 5550.0, 5485.0, 5410.0, 5569.0, 5337.0, 5501.0, 5695.0, 5598.0, 5449.0, 5325.0, 5374.0, 5682.0, 5392.0, 5432.0, 5341.0, 5712.0, 5663.0, 5477.0, 5363.0, 5564.0, 5396.0, 5308.0, 5676.0, 5580.0, 5722.0, 5425.0, 5367.0, 5469.0, 5446.0, 5457.0, 5400.0, 5625.0, 5397.0, 5349.0, 5721.0, 5498.0
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**20MHz**

<b>Radar SignalType</b>	<b>Waveform/Trial Number</b>	<b>Detection (%)</b>	<b>Limit (%)</b>	<b>Pass/Fail</b>
<b>Type 1A</b>	15	100%	60%	pass
<b>Type 1B</b>	15	100%	60%	pass
<b>Type 2</b>	30	93.3%	60%	Pass
<b>Type 3</b>	30	100%	60%	Pass
<b>Type 4</b>	30	93.3 %	60%	Pass
<b>Aggregate(Type1 to 4)</b>	120	96.67%	80%	Pass
<b>Type 5</b>	120	100 %	80%	Pass
<b>Type 6</b>	30	96.67%	70%	Pass

Please refer to the following statistical tables:

**5320MHz****Radar Type 1A Statistical Performance**

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5320	57	1	938	1
2	5320	67	1	798	1
3	5320	74	1	718	1
4	5320	99	1	538	1
5	5320	72	1	738	1
6	5320	61	1	878	1
7	5320	63	1	838	1
8	5320	89	1	598	1
9	5320	70	1	758	1
10	5320	83	1	638	1
11	5320	76	1	698	1
12	5320	92	1	578	1
13	5320	81	1	658	1
14	5320	78	1	678	1
15	5320	86	1	618	1
Detection Percentage:100 % (>60%)					

**Radar Type 1B Statistical Performance**

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5320	42	1	1277	1
2	5320	51	1	1040	1
3	5320	33	1	1631	1
4	5320	48	1	1110	1
5	5320	89	1	595	1
6	5320	20	1	2721	1
7	5320	42	1	1267	1
8	5320	29	1	1873	1
9	5320	45	1	1181	1
10	5320	33	1	1646	1
11	5320	50	1	1076	1
12	5320	59	1	909	1
13	5320	34	1	1583	1
14	5320	20	1	2661	1
15	5320	46	1	1156	1
Detection Percentage: 100 % (>60%)					

**Radar Type 2 Statistical Performance**

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5320	23	4	179	1
2	5320	24	1.8	199	1
3	5320	25	3.5	154	1
4	5320	29	1.2	170	1
5	5320	29	3.1	160	1
6	5320	25	1.1	203	1
7	5320	23	3.2	178	1
8	5320	23	1.3	189	1
9	5320	25	4.7	214	1
10	5320	27	4.4	173	1
11	5320	25	1	209	1
12	5320	29	4.6	202	1
13	5320	23	4.7	194	1
14	5320	29	2	227	1
15	5320	28	3.5	166	1
16	5320	29	1.4	192	1
17	5320	27	4.2	197	1
18	5320	23	4.8	176	1
19	5320	28	3.2	161	1
20	5320	29	2.4	213	1
21	5320	24	4.3	169	0
22	5320	29	5	222	1
23	5320	27	2.9	160	0
24	5320	25	1.3	161	1
25	5320	24	1.5	204	1
26	5320	24	3.6	202	1
27	5320	24	3.5	151	1
28	5320	29	2.1	162	1
29	5320	28	3.5	191	1
30	5320	29	2.1	204	1
<b>Detection Percentage: 93.3 % (&gt;60%)</b>					

**Radar Type 3 Statistical Performance**

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5320	16	6.2	361	1
2	5320	16	9.7	400	1
3	5320	18	8	297	1
4	5320	18	7.2	344	1
5	5320	17	6.7	265	1
6	5320	18	8.3	362	1
7	5320	18	7.3	368	1
8	5320	18	9.1	237	1
9	5320	16	8.3	318	1
10	5320	17	8.1	357	1
11	5320	17	9.6	266	1
12	5320	17	6	256	1
13	5320	16	6	200	1
14	5320	17	7.9	378	1
15	5320	17	7.5	301	1
16	5320	17	7.2	310	1
17	5320	17	7.7	348	1
18	5320	18	7.8	302	1
19	5320	16	6.8	393	1
20	5320	17	7.2	311	1
21	5320	18	8.9	212	1
22	5320	16	8.3	455	1
23	5320	17	7.6	266	1
24	5320	16	8.5	274	1
25	5320	18	6.3	361	1
26	5320	18	6.5	407	1
27	5320	18	6.1	208	1
28	5320	16	6.3	225	1
29	5320	18	8.8	441	1
30	5320	16	8.1	386	1
<b>Detection Percentage: 100 % (&gt;60%)</b>					

**Radar Type 4 Statistical Performance**

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5320	15	17.6	243	1
2	5320	14	18.2	328	1
3	5320	16	17	240	1
4	5320	15	19.6	325	1
5	5320	15	15	466	1
6	5320	14	15.4	468	1
7	5320	15	12.6	362	0
8	5320	14	16.1	318	1
9	5320	13	14	204	1
10	5320	15	18.8	295	1
11	5320	14	13.5	343	1
12	5320	13	19.7	337	1
13	5320	16	14.5	356	1
14	5320	14	19	254	1
15	5320	12	13	262	1
16	5320	12	17.3	232	1
17	5320	13	18.2	327	1
18	5320	13	11.5	493	1
19	5320	16	16.5	315	1
20	5320	16	14.7	428	1
21	5320	15	14.3	240	0
22	5320	12	17.7	285	1
23	5320	16	17.1	436	1
24	5320	15	16.2	466	1
25	5320	14	17	453	1
26	5320	15	16.3	215	1
27	5320	15	11.2	427	1
28	5320	14	13.2	390	1
29	5320	12	13.4	261	1
30	5320	13	17.6	412	1
<b>Detection Percentage: 93.3 % (&gt;60%)</b>					

**Radar Type 5 Case 1 Statistical Performance**

Statistics 1 (ChirpCenter Frequency: 5320.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	10	59.7	1274	1317	0.134305	1
1	2	10	63.3	1733		2.174357	
2	1	10	59			3.33883	
3	2	10	61.8	1636		5.963607	
4	1	10	59.8			6.038663	
5	2	10	77.6	1136		7.659945	
6	2	10	78.2	1614		9.01178	
7	1	10	50.3			11.830922	

Statistics 2 (ChirpCenter Frequency: 5320.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	8	71.9	1373		0.073101	1
1	1	8	72			1.128141	
2	2	8	91.6	1669		1.465982	
3	2	8	55.5	1714		2.393823	
4	2	8	83.7	1655		2.541777	
5	2	8	77.5	1034		3.248909	
6	1	8	80.8			4.136109	
7	2	8	95.5	1193		4.875431	
8	2	8	60.8	1601		5.40223	
9	1	8	82.9			5.788611	
10	1	8	97.1			6.838292	
11	3	8	80.4	1803	1327	7.419882	
12	1	8	65.9			7.828779	
13	2	8	85.7	1531		8.402618	
14	1	8	53.4			9.085193	
15	3	8	95.4	1968	1818	9.629166	
16	3	8	92.5	1963	1695	10.214237	
17	1	8	61.4			11.135943	
18	3	8	79.9	1288	1671	11.82789	

Statistics 3 (ChirpCenter Frequency: 5320.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	14	87.7	1845		0.171158	1
1	3	14	70.5	1746	1988	1.056706	
2	2	14	84.2	1985		1.683975	
3	3	14	61.4	1871	1236	1.96237	
4	2	14	65.6	1911		2.478375	
5	2	14	70.7	1184		3.548261	
6	2	14	51.4	1610		4.055701	
7	1	14	95.1			4.582708	
8	1	14	93.3			4.916421	
9	2	14	95.5	1080		5.626005	
10	2	14	99.3	1751		6.16235	
11	2	14	86.6	1263		6.79129	
12	2	14	51.8	1185		7.734213	
13	3	14	63.7	1484	1723	8.031499	
14	2	14	85.6	1997		8.596763	
15	2	14	83.3	1650		9.178665	
16	1	14	61.5			10.12795	
17	2	14	57.9	1860		10.540315	
18	1	14	81.2			10.961653	
19	2	14	60.7	1380		11.717513	

Statistics 4 (ChirpCenter Frequency: 5320.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	8	85.4	1781		0.146338	1
1	2	8	96	1930		1.221104	
2	2	8	78.4	1079		1.470322	
3	2	8	92.2	1512		2.637338	
4	2	8	79.3	1418		2.762654	
5	2	8	96.7	1092		3.744049	
6	2	8	57.2	1617		4.103463	
7	2	8	87.3	1593		4.674326	
8	2	8	67.2	1191		5.710161	
9	1	8	58.1			6.132474	
10	2	8	51.9	1347		6.739332	
11	3	8	74.5	1223	1081	7.554838	
12	2	8	54	1284		8.621457	
13	3	8	55.1	1803	1259	8.939749	
14	2	8	50.9	1209		9.729036	
15	2	8	80.5	1907		10.162118	
16	2	8	95.5	1717		10.745438	
17	2	8	69.2	1321		11.728022	

## Statistics 5(ChirpCenter Frequency: 5320.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	10	63	1768		0.335686	1
1	3	10	84.9	1964	1913	1.547533	
2	2	10	59.3	1329		1.714818	
3	2	10	83.5	1189		2.801004	
4	3	10	93.6	1152	1925	3.748753	
5	3	10	98.8	1591	1763	4.867238	
6	1	10	90.3			5.852328	
7	1	10	99.2			6.426237	
8	2	10	89.7	1313		7.084826	
9	2	10	60	1095		8.322555	
10	2	10	51.8	1188		9.206953	
11	3	10	87.1	1785	1829	9.602234	
12	2	10	70.2	1505		11.033061	
13	3	10	54.1	1153	1596	11.293197	

## Statistics 6 (ChirpCenter Frequency: 5320.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	14	78.8	1167		0.627768	1
1	3	14	83.6	1898	1808	2.07483	
2	1	14	68.7			2.72344	
3	2	14	51.5	1768		4.783919	
4	1	14	54.6			5.377391	
5	1	14	62.6			6.871066	
6	2	14	60.4	1019		7.398356	
7	2	14	67.4	1185		8.566712	
8	1	14	62.8			10.179375	
9	2	14	56.5	1009		11.106222	



Statistics 7(ChirpCenter Frequency: 5320.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	9	86.4	1944		0.927383	1
1	2	9	90.5	1854		1.472084	
2	2	9	82	1681		3.191234	
3	3	9	64	1558	1160	4.638758	
4	3	9	77.4	1459	1975	6.452694	
5	3	9	93	1337	1148	7.390123	
6	2	9	84.4	1292		9.303884	
7	2	9	92.9	1804		10.119686	
8	2	9	96.2	1714		11.724662	

Statistics 8 (ChirpCenter Frequency: 5320.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	6	70.5	1297		0.456119	1
1	1	6	82.3			0.9747	
2	1	6	60.9			1.86724	
3	1	6	55.5			2.070818	
4	2	6	84.5	1223		2.972889	
5	2	6	73.9	1144		3.334566	
6	2	6	59.7	1988		4.37726	
7	2	6	65.5	1886		4.973064	
8	2	6	85	1071		5.58731	
9	2	6	72.8	1290		6.071982	
10	2	6	54.4	1498		6.726282	
11	2	6	64.3	1516		7.653221	
12	3	6	74.1	1299	1392	8.285001	
13	2	6	98.4	1907		9.259304	
14	1	6	81.5			9.468711	
15	2	6	95.7	1784		10.308075	
16	1	6	54.3			10.950717	
17	1	6	53.5			11.686647	

Statistics 9 (ChirpCenter Frequency: 5320.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	6	82.7			0.417914	1
1	2	6	62.6	1863		1.240739	
2	1	6	74.1			2.465531	
3	1	6	92.1			3.866958	
4	3	6	79.2	1044	1993	4.3959	
5	3	6	99.7	1919	1289	5.828558	
6	1	6	71.5			6.088188	
7	1	6	60.9			7.008841	
8	1	6	82.7			8.077899	
9	2	6	78	1498		9.400598	
10	1	6	77.9			10.385406	
11	2	6	50.6	1281		11.439296	

Statistics 10 (ChirpCenter Frequency: 5320.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	8	62	1243		0.295387	1
1	2	8	54.3	1660		1.191891	
2	1	8	63.6			1.454249	
3	2	8	59	1338		2.339111	
4	2	8	86.2	1271		2.514812	
5	3	8	89.5	1966	1696	3.216052	
6	2	8	52.5	1692		3.729946	
7	2	8	77	1667		4.667049	
8	2	8	55.7	1080		4.837598	
9	1	8	51.4			5.964271	
10	2	8	95.9	1847		6.482568	
11	3	8	96.3	1554	1588	7.011651	
12	1	8	87.8			7.305503	
13	2	8	61.4	1845		7.904177	
14	2	8	71.5	1587		8.559882	
15	3	8	86.6	1318	1755	9.324323	
16	1	8	86.6			9.902697	
17	1	8	81.3			10.727298	
18	1	8	65			10.941677	
19	2	8	78.1	1007		11.500379	

**Radar Type 5 Case 2 Statistical Performance**

Statistics 1 (ChirpCenter Frequency: 5318.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	20	90	1553		0.465052	1
1	3	20	95.3	1977	1378	2.234193	
2	2	20	78.5	1522		3.206797	
3	2	20	95.4	1319		5.344664	
4	2	20	56	1759		6.930916	
5	2	20	86.7	1255		8.672845	
6	2	20	75.9	1649		10.314007	
7	2	20	54.7	1116		10.81224	

Statistics 2 (ChirpCenter Frequency: 5312.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	6	51.9	1487		0.503326	1
1	2	6	69.6	1125		1.263491	
2	2	6	83.9	1846		2.833595	
3	2	6	89.5	1257		3.284504	
4	3	6	57.9	1371	1318	4.157666	
5	2	6	65.8	1904		5.372986	
6	2	6	78.7	1000		6.518272	
7	2	6	61.8	1726		7.726826	
8	1	6	78.1			8.883293	
9	3	6	96.6	1449	1415	9.068257	
10	2	6	60.6	1674		10.416651	
11	1	6	73.2			11.567761	

## Statistics 3 (ChirpCenter Frequency: 5312.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	5	86.9	1123		0.883594	1
1	2	5	78.2	1639		1.473123	
2	2	5	87.3	1556		2.297893	
3	2	5	93.1	1115		3.589382	
4	3	5	80	1771	1533	4.917403	
5	2	5	83	1382		6.536019	
6	1	5	63.5			7.198489	
7	2	5	92.4	1172		7.924191	
8	2	5	96.7	1497		8.830105	
9	2	5	76.7	1802		10.861671	
10	2	5	93.6	1428		11.850797	

## Statistics 4 (ChirpCenter Frequency: 5317.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	18	96.8	1290		0.914208	1
1	3	18	60.7	1147	1060	1.6029	
2	1	18	70.6			3.165104	
3	3	18	83.4	1352	1626	3.614696	
4	2	18	71.9	1987		4.833183	
5	2	18	54.4	1878		6.016548	
6	1	18	88.7			7.397288	
7	1	18	65.2			8.797643	
8	1	18	61.1			10.224873	
9	2	18	68.4	1008		10.885543	

Statistics 5 (ChirpCenter Frequency: 5318.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width ( $\mu$ S)	Pulse 1-2 spacing( $\mu$ S)	Pulse 2-3 spacing( $\mu$ S)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	19	53.8	1905		0.32264	1
1	3	19	77.6	1988	1750	1.132792	
2	3	19	66	1284	1713	2.029442	
3	2	19	88.6	1989		2.314487	
4	2	19	78.5	1364		3.319248	
5	1	19	59.5			4.228609	
6	2	19	79.5	1909		4.611202	
7	3	19	93.4	1957	1511	5.458635	
8	1	19	87.1			6.172249	
9	2	19	75.2	1051		6.437425	
10	1	19	92.4			7.677553	
11	2	19	73.7	1331		8.203711	
12	2	19	77.3	1643		9.074258	
13	1	19	96.2			9.679128	
14	2	19	65.2	1281		10.014355	
15	3	19	92.9	1814	1493	11.215414	
16	1	19	88			11.974474	

Statistics 6 (ChirpCenter Frequency: 5316.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width ( $\mu$ S)	Pulse 1-2 spacing( $\mu$ S)	Pulse 2-3 spacing( $\mu$ S)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	14	77	1735		0.003875	1
1	2	14	76.2	1302		1.195588	
2	1	14	82.8			1.815827	
3	3	14	59.2	1645	1493	2.773587	
4	1	14	57			3.67043	
5	3	14	77.5	1255	1372	4.852801	
6	3	14	68.3	1656	1128	5.657624	
7	2	14	57.9	1292		6.666552	
8	2	14	66	1858		7.374535	
9	2	14	61.7	1860		8.098282	
10	3	14	99.2	1274	1402	8.852212	
11	3	14	53.4	1852	1032	9.46577	
12	2	14	80.7	1559		10.308388	
13	3	14	63.5	1694	1312	11.660162	

Statistics 7 (ChirpCenter Frequency: 5316.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	14	65.5	1097		0.390089	1
1	1	14	76.8			0.819193	
2	1	14	55.4			1.614366	
3	2	14	53.2	1528		2.371889	
4	3	14	51.5	1973	1725	3.152014	
5	1	14	69.8			4.210692	
6	1	14	70.4			4.573334	
7	1	14	54.2			5.531339	
8	2	14	99.9	1739		6.654629	
9	3	14	99.3	1473	1938	6.767833	
10	2	14	50.8	1098		8.088348	
11	2	14	81	1209		8.55486	
12	2	14	71.4	1164		9.225257	
13	2	14	80.6	1000		10.124021	
14	1	14	88.4			11.143371	
15	3	14	88.4	1894	1153	11.934927	

Statistics 8 (ChirpCenter Frequency: 5316.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	14	87.2	1149		0.184873	1
1	2	14	58.6	1953		1.780333	
2	3	14	70.2	1302	1701	2.469066	
3	1	14	98.3			2.940537	
4	2	14	85.9	1618		4.209665	
5	1	14	51.5			5.275003	
6	3	14	55.5	1739	1968	6.33828	
7	2	14	98	1951		6.46879	
8	2	14	53.2	1090		7.971119	
9	3	14	95.7	1687	1219	8.547097	
10	2	14	59.8	1512		9.748264	
11	2	14	64.2	1599		10.215031	
12	3	14	56.9	1121	1238	11.690497	

## Statistics 9 (ChirpCenter Frequency: 5318.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	20	78.9	1145	1260	1.252779	1
1	2	20	62.4	1448		1.456831	
2	3	20	68	1099	1869	3.149722	
3	2	20	85.5	1480		4.175454	
4	2	20	87.9	1087		5.861215	
5	1	20	80.5			7.111857	
6	2	20	51.6	1500		8.583459	
7	3	20	95.3	1045	1694	10.380765	
8	3	20	59.6	1369	1987	11.33471	

## Statistics 10 (ChirpCenter Frequency: 5317.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	18	81.4	1911		0.803769	1
1	3	18	86.8	1682	1832	1.389019	
2	3	18	53.1	1882	1901	2.87476	
3	2	18	74.2	1890		3.644448	
4	3	18	59.1	1565	1839	4.659043	
5	2	18	86	1321		6.502508	
6	2	18	85.2	1935		6.572607	
7	2	18	62.2	1091		8.192396	
8	1	18	51.9			9.00243	
9	1	18	91.6			9.923156	
10	2	18	74.4	1476		11.312674	

**Radar Type 5 Case 3 Statistical Performance**

Statistics 1 (ChirpCenter Frequency: 5323.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	18	64	1198		0.607677	1
1	2	18	56.5	1180		1.598629	
2	1	18	70.8			1.873088	
3	3	18	95.3	1804	1610	2.615003	
4	2	18	56.9	1698		4.094236	
5	2	18	78.1	1859		4.291946	
6	2	18	77.6	1287		5.939433	
7	3	18	86.7	1969	1047	6.326058	
8	2	18	74.3	1268		7.152256	
9	3	18	87	1111	1510	8.17432	
10	3	18	94.3	1151	1836	8.881491	
11	1	18	74.8			10.280912	
12	2	18	98.4	1463		10.69274	
13	2	18	71.4	1325		11.364971	

Statistics 2 (ChirpCenter Frequency: 5326.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	10	98.5			0.683195	1
1	1	10	68.8			1.65764	
2	2	10	84	1683		2.892145	
3	2	10	67.6	1862		3.932234	
4	2	10	73	1594		4.555237	
5	2	10	66.1	1915		5.520315	
6	2	10	54.3	1093		6.905525	
7	3	10	79.6	1575	1396	7.752867	
8	2	10	91	1063		8.392325	
9	1	10	91.7			9.10021	
10	3	10	67.4	1160	1606	10.340232	
11	2	10	87.8	1113		11.467013	



## Statistics 3 (ChirpCenter Frequency: 5326.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	9	85.3	1041	1115	0.647733	1
1	2	9	95.3	1215		0.885191	
2	1	9	53.9			1.493143	
3	3	9	64.7	1478	1633	2.140429	
4	2	9	76.2	1279		3.227282	
5	1	9	74.1			4.114955	
6	1	9	75.9			4.870304	
7	2	9	86.8	1818		5.399963	
8	3	9	50.8	1174	1943	5.794371	
9	1	9	98.1			6.620474	
10	1	9	86.2			7.336751	
11	2	9	94.5	1934		8.409834	
12	1	9	89.3			8.572609	
13	3	9	57.7	1666	1666	9.537167	
14	2	9	68.6	1228		10.325227	
15	1	9	70			10.885668	
16	1	9	80.1			11.776791	

## Statistics 4 (ChirpCenter Frequency: 5326.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	11	75.5			0.227188	1
1	3	11	74	1579	1542	2.216283	
2	3	11	71.7	1646	1915	3.113176	
3	3	11	65.4	1962	1032	5.29112	
4	1	11	57.3			6.431876	
5	3	11	68.7	1384	1619	6.768711	
6	3	11	56.3	1278	1817	8.162982	
7	2	11	58.6	1868		9.473454	
8	2	11	70.1	1788		11.783237	

Statistics 5 (ChirpCenter Frequency: 5326.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	11	99.7	1589		0.735543	1
1	2	11	92.5	1936		1.216913	
2	2	11	87.3	1736		2.124284	
3	2	11	68.2	1248		2.499832	
4	1	11	71.7			3.287369	
5	2	11	77.2	1620		4.728035	
6	2	11	67.1	1957		4.960118	
7	2	11	90.9	1819		6.38326	
8	2	11	66	1555		6.739435	
9	2	11	80.7	1941		7.748328	
10	3	11	50.3	1295	1936	8.368547	
11	3	11	66.2	1433	1144	9.261615	
12	2	11	79.9	1786		9.64718	
13	2	11	77	1260		10.806342	
14	2	11	67.4	1859		11.525523	

Statistics 6 (ChirpCenter Frequency: 5325.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	12	54.2			0.627689	1
1	2	12	75.8	1146		0.973143	
2	2	12	92.2	1325		1.679696	
3	2	12	86.8	1348		2.141103	
4	2	12	93.9	1760		2.731471	
5	3	12	81.2	1633	1927	3.755159	
6	3	12	63.2	1525	1237	4.336677	
7	2	12	78.8	1395		4.492973	
8	2	12	83	1207		5.128755	
9	2	12	53.1	1110		6.149695	
10	1	12	81			6.591505	
11	3	12	96	1676	1570	7.156192	
12	1	12	58.9			7.87498	
13	2	12	65	1931		8.214806	
14	1	12	83.5			9.398808	
15	2	12	54.3	1447		9.48629	
16	2	12	84.4	1503		10.321364	
17	2	12	97.7	1875		11.236118	
18	1	12	74.8			11.918723	

Statistics 7 (ChirpCenter Frequency: 5322.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	20	98.4	1604	1073	0.984134	1
1	2	20	88.3	1821		1.945639	
2	2	20	70.1	1653		2.38058	
3	2	20	57.8	1767		4.30391	
4	1	20	98.6			5.391199	
5	3	20	67.7	1150	1580	5.465193	
6	1	20	78.2			6.765993	
7	1	20	60			7.812529	
8	3	20	71.9	1438	1578	8.840922	
9	3	20	78.8	1969	1588	10.619226	
10	1	20	78			11.899973	

Statistics 8 (ChirpCenter Frequency: 5324.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	14	52.4	1762	1187	0.961024	1
1	1	14	63.6			1.882026	
2	2	14	99.3	1365		2.559975	
3	2	14	82.7	1281		3.46633	
4	1	14	83.1			5.082693	
5	2	14	71.5	1526		5.934671	
6	1	14	81.2			6.896556	
7	2	14	77.1	1446		8.4534	
8	2	14	73.6	1821		9.804342	
9	1	14	96.3			10.168757	
10	3	14	99.3	1510	1735	11.078797	

## Statistics 9 (ChirpCenter Frequency: 5328.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	6	97.4			0.395441	1
1	3	6	89.3	1446	1584	2.254366	
2	2	6	88.9	1281		3.066708	
3	2	6	91.2	1487		5.398024	
4	2	6	67.1	1786		7.231255	
5	2	6	72.5	1493		7.994857	
6	2	6	75.6	1047		9.641562	
7	2	6	69.3	1236		10.986656	

## Statistics 10 (ChirpCenter Frequency: 5326.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	10	91.9			0.343392	1
1	3	10	58.9	1253	1013	1.28543	
2	2	10	98.3	1859		1.969344	
3	2	10	51.6	1399		2.521695	
4	1	10	66			3.89552	
5	2	10	87.8	1529		4.056777	
6	2	10	62.9	1081		5.127505	
7	3	10	73.8	1411	1655	5.674604	
8	3	10	57.8	1849	1522	7.103915	
9	1	10	57.9			7.69016	
10	1	10	98.1			8.113006	
11	2	10	50.5	1898		9.434937	
12	1	10	93.9			10.188165	
13	1	10	79.1			10.551938	
14	2	10	84.5	1601		11.641243	

## Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)	Hopping Sequence (MHz)
1	5320	9	1	333	1	5317.0, 5276.0, 5488.0, 5483.0, 5269.0, 5665.0, 5593.0, 5397.0, 5278.0, 5584.0, 5659.0, 5303.0, 5652.0, 5479.0, 5252.0, 5587.0, 5609.0, 5516.0, 5486.0, 5307.0, 5320.0, 5471.0, 5312.0, 5567.0, 5504.0, 5330.0, 5380.0, 5271.0, 5618.0, 5462.0, 5722.0, 5519.0, 5633.0, 5419.0, 5549.0, 5518.0, 5263.0, 5639.0, 5409.0, 5502.0, 5347.0, 5653.0, 5309.0, 5346.0, 5574.0, 5450.0, 5287.0, 5318.0, 5365.0, 5641.0, 5473.0, 5393.0, 5631.0, 5708.0, 5383.0, 5569.0, 5382.0, 5418.0, 5401.0, 5270.0, 5596.0, 5497.0, 5628.0, 5461.0, 5510.0, 5717.0, 5527.0, 5376.0, 5716.0, 5706.0, 5472.0, 5681.0, 5264.0, 5589.0, 5400.0, 5421.0, 5331.0, 5345.0, 5352.0, 5452.0, 5538.0, 5470.0, 5405.0, 5537.0, 5719.0, 5476.0, 5251.0, 5498.0, 5594.0, 5306.0, 5683.0, 5607.0, 5702.0, 5658.0, 5448.0, 5259.0, 5637.0, 5543.0, 5260.0, 5378.0
2	5320	9	1	333	1	5391.0, 5263.0, 5547.0, 5446.0, 5323.0, 5514.0, 5530.0, 5388.0, 5585.0, 5613.0, 5543.0, 5610.0, 5320.0, 5577.0, 5515.0, 5400.0, 5611.0, 5274.0, 5335.0, 5392.0, 5716.0, 5360.0, 5590.0, 5664.0, 5318.0, 5469.0, 5282.0, 5555.0, 5409.0, 5645.0, 5559.0, 5519.0, 5405.0, 5648.0, 5678.0, 5317.0, 5592.0, 5691.0, 5480.0, 5463.0, 5622.0, 5549.0, 5496.0, 5719.0, 5438.0, 5594.0, 5556.0, 5673.0, 5576.0, 5279.0, 5272.0, 5669.0, 5407.0, 5693.0, 5532.0, 5277.0, 5444.0, 5587.0, 5690.0, 5502.0, 5365.0, 5413.0, 5642.0, 5507.0, 5473.0, 5327.0, 5420.0, 5441.0, 5253.0, 5305.0, 5598.0, 5396.0, 5464.0, 5278.0, 5698.0, 5462.0, 5696.0, 5331.0, 5565.0, 5626.0, 5621.0, 5548.0, 5639.0, 5616.0, 5620.0, 5633.0, 5529.0, 5259.0, 5660.0, 5667.0, 5539.0, 5372.0, 5459.0, 5717.0, 5668.0, 5354.0, 5503.0, 5284.0, 5398.0, 5520.0
3	5320	9	1	333	0	
4	5320	9	1	333	1	5529.0, 5620.0, 5360.0, 5523.0, 5623.0, 5712.0, 5707.0, 5368.0,

						5434.0, 5473.0, 5262.0, 5509.0, 5517.0, 5282.0, 5573.0, 5419.0, 5687.0, 5546.0, 5375.0, 5710.0, 5544.0, 5555.0, 5677.0, 5512.0, 5634.0, 5699.0, 5520.0, 5479.0, 5550.0, 5562.0, 5515.0, 5594.0, 5333.0, 5320.0, 5691.0, 5331.0, 5426.0, 5676.0, 5516.0, 5694.0, 5667.0, 5250.0, 5300.0, 5722.0, 5602.0, 5568.0, 5692.0, 5486.0, 5639.0, 5671.0, 5299.0, 5337.0, 5321.0, 5353.0, 5305.0, 5348.0, 5445.0, 5604.0, 5323.0, 5535.0, 5304.0, 5467.0, 5355.0, 5380.0, 5627.0, 5482.0, 5407.0, 5563.0, 5385.0, 5452.0, 5259.0, 5629.0, 5373.0, 5703.0, 5548.0, 5674.0, 5366.0, 5501.0, 5470.0, 5383.0, 5401.0, 5511.0, 5603.0, 5266.0, 5717.0, 5278.0, 5446.0, 5310.0, 5507.0, 5255.0, 5576.0, 5425.0, 5670.0, 5398.0, 5487.0, 5595.0, 5582.0, 5415.0, 5641.0, 5495.0
5	5320	9	1	333	1	5263.0, 5316.0, 5656.0, 5536.0, 5632.0, 5557.0, 5336.0, 5297.0, 5542.0, 5586.0, 5683.0, 5507.0, 5268.0, 5527.0, 5258.0, 5279.0, 5610.0, 5367.0, 5388.0, 5451.0, 5384.0, 5532.0, 5693.0, 5261.0, 5460.0, 5478.0, 5710.0, 5271.0, 5506.0, 5483.0, 5441.0, 5313.0, 5692.0, 5402.0, 5601.0, 5631.0, 5621.0, 5624.0, 5514.0, 5685.0, 5394.0, 5364.0, 5645.0, 5678.0, 5295.0, 5551.0, 5366.0, 5303.0, 5511.0, 5669.0, 5662.0, 5523.0, 5699.0, 5598.0, 5600.0, 5349.0, 5605.0, 5371.0, 5456.0, 5482.0, 5602.0, 5302.0, 5575.0, 5717.0, 5405.0, 5360.0, 5646.0, 5372.0, 5484.0, 5633.0, 5267.0, 5293.0, 5401.0, 5706.0, 5344.0, 5574.0, 5591.0, 5412.0, 5291.0, 5275.0, 5315.0, 5365.0, 5694.0, 5490.0, 5562.0, 5549.0, 5469.0, 5559.0, 5481.0, 5582.0, 5528.0, 5660.0, 5257.0, 5272.0, 5312.0, 5395.0, 5561.0, 5547.0, 5560.0, 5491.0
6	5320	9	1	333	1	5459.0, 5322.0, 5577.0, 5549.0, 5566.0, 5430.0, 5271.0, 5661.0, 5325.0, 5662.0, 5445.0, 5301.0, 5533.0, 5377.0, 5429.0, 5529.0, 5591.0, 5604.0, 5706.0, 5546.0, 5708.0, 5639.0, 5703.0, 5275.0, 5560.0, 5380.0, 5488.0, 5637.0, 5375.0, 5359.0, 5291.0, 5648.0, 5696.0, 5363.0, 5609.0, 5535.0, 5261.0, 5441.0, 5274.0, 5269.0, 5510.0, 5300.0, 5607.0, 5695.0,

						5421.0, 5282.0, 5482.0, 5687.0, 5629.0, 5336.0, 5319.0, 5379.0, 5536.0, 5391.0, 5628.0, 5412.0, 5351.0, 5621.0, 5383.0, 5270.0, 5323.0, 5531.0, 5690.0, 5257.0, 5478.0, 5588.0, 5393.0, 5462.0, 5691.0, 5681.0, 5413.0, 5472.0, 5578.0, 5550.0, 5615.0, 5436.0, 5392.0, 5504.0, 5571.0, 5520.0, 5365.0, 5285.0, 5450.0, 5507.0, 5479.0, 5509.0, 5348.0, 5721.0, 5682.0, 5521.0, 5676.0, 5673.0, 5320.0, 5502.0, 5452.0, 5454.0, 5305.0, 5276.0, 5401.0, 5432.0
7	5320	9	1	333	1	5417.0, 5499.0, 5574.0, 5597.0, 5498.0, 5396.0, 5280.0, 5456.0, 5500.0, 5490.0, 5633.0, 5528.0, 5364.0, 5419.0, 5312.0, 5294.0, 5424.0, 5621.0, 5675.0, 5466.0, 5347.0, 5288.0, 5520.0, 5295.0, 5334.0, 5629.0, 5434.0, 5580.0, 5549.0, 5416.0, 5254.0, 5481.0, 5446.0, 5349.0, 5594.0, 5559.0, 5393.0, 5333.0, 5485.0, 5311.0, 5527.0, 5460.0, 5371.0, 5691.0, 5650.0, 5403.0, 5423.0, 5610.0, 5480.0, 5253.0, 5612.0, 5262.0, 5339.0, 5553.0, 5277.0, 5488.0, 5657.0, 5479.0, 5476.0, 5386.0, 5363.0, 5257.0, 5695.0, 5591.0, 5437.0, 5701.0, 5603.0, 5567.0, 5523.0, 5569.0, 5671.0, 5336.0, 5429.0, 5622.0, 5341.0, 5696.0, 5517.0, 5408.0, 5472.0, 5387.0, 5303.0, 5270.0, 5658.0, 5259.0, 5250.0, 5588.0, 5365.0, 5659.0, 5451.0, 5670.0, 5477.0, 5504.0, 5505.0, 5475.0, 5256.0, 5674.0, 5532.0, 5625.0, 5278.0, 5617.0
8	5320	9	1	333	1	5498.0, 5482.0, 5295.0, 5446.0, 5254.0, 5502.0, 5545.0, 5335.0, 5313.0, 5294.0, 5299.0, 5365.0, 5550.0, 5570.0, 5328.0, 5291.0, 5688.0, 5433.0, 5469.0, 5473.0, 5525.0, 5350.0, 5298.0, 5659.0, 5353.0, 5478.0, 5689.0, 5286.0, 5284.0, 5694.0, 5406.0, 5342.0, 5407.0, 5513.0, 5440.0, 5683.0, 5333.0, 5430.0, 5270.0, 5492.0, 5265.0, 5648.0, 5590.0, 5709.0, 5519.0, 5509.0, 5490.0, 5271.0, 5327.0, 5719.0, 5388.0, 5394.0, 5337.0, 5329.0, 5374.0, 5556.0, 5322.0, 5494.0, 5529.0, 5484.0, 5704.0, 5346.0, 5677.0, 5613.0, 5282.0, 5531.0, 5477.0, 5608.0, 5391.0, 5382.0, 5627.0, 5626.0, 5441.0, 5540.0, 5257.0, 5310.0, 5587.0, 5661.0, 5517.0, 5596.0,

						5460.0, 5510.0, 5537.0, 5292.0, 5392.0, 5454.0, 5710.0, 5567.0, 5499.0, 5462.0, 5584.0, 5672.0, 5692.0, 5412.0, 5326.0, 5410.0, 5680.0, 5463.0, 5452.0, 5674.0
9	5320	9	1	333	1	5715.0, 5622.0, 5594.0, 5461.0, 5626.0, 5289.0, 5254.0, 5484.0, 5323.0, 5503.0, 5368.0, 5447.0, 5327.0, 5506.0, 5277.0, 5716.0, 5621.0, 5593.0, 5345.0, 5697.0, 5615.0, 5637.0, 5660.0, 5652.0, 5613.0, 5531.0, 5311.0, 5723.0, 5489.0, 5286.0, 5431.0, 5329.0, 5636.0, 5620.0, 5611.0, 5665.0, 5501.0, 5422.0, 5584.0, 5409.0, 5317.0, 5651.0, 5378.0, 5299.0, 5350.0, 5659.0, 5269.0, 5435.0, 5312.0, 5377.0, 5553.0, 5483.0, 5481.0, 5604.0, 5477.0, 5451.0, 5355.0, 5647.0, 5276.0, 5319.0, 5526.0, 5438.0, 5642.0, 5556.0, 5532.0, 5575.0, 5264.0, 5456.0, 5432.0, 5444.0, 5471.0, 5449.0, 5649.0, 5463.0, 5539.0, 5363.0, 5525.0, 5399.0, 5540.0, 5565.0, 5610.0, 5385.0, 5434.0, 5290.0, 5703.0, 5681.0, 5705.0, 5517.0, 5650.0, 5267.0, 5588.0, 5482.0, 5354.0, 5579.0, 5271.0, 5558.0, 5625.0, 5342.0, 5334.0, 5492.0
10	5320	9	1	333	1	5293.0, 5548.0, 5305.0, 5516.0, 5689.0, 5370.0, 5399.0, 5378.0, 5342.0, 5534.0, 5486.0, 5660.0, 5292.0, 5668.0, 5722.0, 5469.0, 5347.0, 5314.0, 5500.0, 5468.0, 5681.0, 5470.0, 5627.0, 5582.0, 5580.0, 5363.0, 5332.0, 5301.0, 5489.0, 5494.0, 5385.0, 5688.0, 5265.0, 5307.0, 5701.0, 5374.0, 5375.0, 5685.0, 5420.0, 5353.0, 5394.0, 5431.0, 5696.0, 5546.0, 5506.0, 5559.0, 5600.0, 5440.0, 5319.0, 5618.0, 5693.0, 5607.0, 5673.0, 5372.0, 5571.0, 5456.0, 5348.0, 5294.0, 5651.0, 5575.0, 5260.0, 5526.0, 5480.0, 5296.0, 5467.0, 5626.0, 5597.0, 5570.0, 5268.0, 5709.0, 5532.0, 5499.0, 5380.0, 5413.0, 5284.0, 5577.0, 5255.0, 5318.0, 5331.0, 5414.0, 5282.0, 5358.0, 5251.0, 5364.0, 5479.0, 5513.0, 5623.0, 5551.0, 5645.0, 5706.0, 5285.0, 5504.0, 5632.0, 5535.0, 5614.0, 5564.0, 5511.0, 5317.0, 5641.0, 5263.0
11	5320	9	1	333	1	5554.0, 5580.0, 5375.0, 5419.0, 5558.0, 5507.0, 5276.0, 5545.0, 5700.0, 5486.0, 5622.0, 5309.0, 5682.0, 5403.0, 5337.0, 5611.0,



						5428.0, 5624.0, 5437.0, 5672.0, 5452.0, 5427.0, 5425.0, 5561.0, 5404.0, 5436.0, 5416.0, 5367.0, 5448.0, 5408.0, 5560.0, 5572.0, 5320.0, 5696.0, 5357.0, 5265.0, 5641.0, 5467.0, 5528.0, 5664.0, 5697.0, 5418.0, 5422.0, 5283.0, 5642.0, 5508.0, 5667.0, 5353.0, 5289.0, 5510.0, 5610.0, 5540.0, 5701.0, 5633.0, 5266.0, 5552.0, 5589.0, 5300.0, 5377.0, 5594.0, 5541.0, 5350.0, 5264.0, 5485.0, 5314.0, 5417.0, 5716.0, 5563.0, 5354.0, 5653.0, 5393.0, 5549.0, 5435.0, 5675.0, 5440.0, 5689.0, 5298.0, 5629.0, 5441.0, 5646.0, 5346.0, 5654.0, 5364.0, 5626.0, 5483.0, 5639.0, 5713.0, 5614.0, 5491.0, 5387.0, 5444.0, 5311.0, 5378.0, 5693.0, 5445.0, 5250.0, 5397.0, 5576.0, 5513.0, 5634.0
12	5320	9	1	333	1	5723.0, 5622.0, 5476.0, 5627.0, 5251.0, 5551.0, 5674.0, 5699.0, 5406.0, 5670.0, 5276.0, 5264.0, 5305.0, 5417.0, 5432.0, 5630.0, 5507.0, 5704.0, 5494.0, 5277.0, 5449.0, 5469.0, 5365.0, 5651.0, 5498.0, 5350.0, 5644.0, 5353.0, 5583.0, 5604.0, 5288.0, 5657.0, 5673.0, 5676.0, 5714.0, 5576.0, 5573.0, 5354.0, 5671.0, 5708.0, 5647.0, 5564.0, 5505.0, 5534.0, 5530.0, 5454.0, 5419.0, 5269.0, 5497.0, 5378.0, 5542.0, 5435.0, 5596.0, 5580.0, 5297.0, 5379.0, 5661.0, 5482.0, 5466.0, 5511.0, 5472.0, 5646.0, 5599.0, 5325.0, 5610.0, 5262.0, 5387.0, 5715.0, 5292.0, 5360.0, 5595.0, 5460.0, 5381.0, 5504.0, 5421.0, 5686.0, 5341.0, 5680.0, 5376.0, 5654.0, 5393.0, 5446.0, 5656.0, 5452.0, 5475.0, 5693.0, 5436.0, 5489.0, 5402.0, 5459.0, 5614.0, 5271.0, 5558.0, 5485.0, 5591.0, 5463.0, 5488.0, 5703.0, 5312.0, 5624.0
13	5320	9	1	333	1	5284.0, 5351.0, 5597.0, 5349.0, 5613.0, 5271.0, 5423.0, 5574.0, 5601.0, 5504.0, 5662.0, 5317.0, 5715.0, 5545.0, 5509.0, 5609.0, 5340.0, 5493.0, 5629.0, 5444.0, 5572.0, 5308.0, 5723.0, 5325.0, 5476.0, 5568.0, 5473.0, 5612.0, 5618.0, 5273.0, 5628.0, 5682.0, 5640.0, 5314.0, 5674.0, 5722.0, 5603.0, 5536.0, 5673.0, 5335.0, 5500.0, 5392.0, 5354.0, 5382.0, 5710.0, 5652.0, 5668.0, 5437.0, 5258.0, 5543.0, 5319.0, 5318.0,

						5707.0, 5510.0, 5342.0, 5330.0, 5267.0, 5648.0, 5548.0, 5671.0, 5347.0, 5550.0, 5416.0, 5721.0, 5469.0, 5492.0, 5632.0, 5495.0, 5274.0, 5541.0, 5502.0, 5681.0, 5359.0, 5477.0, 5285.0, 5615.0, 5373.0, 5393.0, 5706.0, 5625.0, 5647.0, 5290.0, 5665.0, 5291.0, 5387.0, 5711.0, 5341.0, 5565.0, 5482.0, 5546.0, 5602.0, 5530.0, 5417.0, 5658.0, 5286.0, 5697.0, 5475.0, 5489.0, 5399.0, 5569.0
14	5320	9	1	333	1	5715.0, 5351.0, 5613.0, 5561.0, 5299.0, 5452.0, 5480.0, 5563.0, 5271.0, 5622.0, 5577.0, 5455.0, 5655.0, 5610.0, 5499.0, 5335.0, 5287.0, 5544.0, 5323.0, 5493.0, 5288.0, 5607.0, 5723.0, 5567.0, 5359.0, 5690.0, 5255.0, 5368.0, 5639.0, 5512.0, 5264.0, 5289.0, 5416.0, 5524.0, 5712.0, 5266.0, 5284.0, 5328.0, 5433.0, 5703.0, 5624.0, 5463.0, 5711.0, 5297.0, 5292.0, 5532.0, 5692.0, 5397.0, 5582.0, 5503.0, 5543.0, 5548.0, 5638.0, 5275.0, 5636.0, 5545.0, 5564.0, 5281.0, 5273.0, 5468.0, 5662.0, 5382.0, 5538.0, 5448.0, 5547.0, 5314.0, 5348.0, 5663.0, 5633.0, 5578.0, 5301.0, 5520.0, 5521.0, 5298.0, 5680.0, 5626.0, 5345.0, 5706.0, 5439.0, 5371.0, 5295.0, 5534.0, 5710.0, 5708.0, 5705.0, 5489.0, 5648.0, 5451.0, 5396.0, 5420.0, 5601.0, 5403.0, 5593.0, 5719.0, 5389.0, 5319.0, 5424.0, 5661.0, 5441.0, 5262.0
15	5320	9	1	333	1	5309.0, 5523.0, 5462.0, 5565.0, 5354.0, 5269.0, 5532.0, 5630.0, 5387.0, 5441.0, 5412.0, 5486.0, 5257.0, 5607.0, 5498.0, 5476.0, 5393.0, 5304.0, 5281.0, 5683.0, 5378.0, 5259.0, 5510.0, 5320.0, 5647.0, 5471.0, 5636.0, 5296.0, 5551.0, 5529.0, 5375.0, 5350.0, 5591.0, 5485.0, 5700.0, 5573.0, 5475.0, 5284.0, 5514.0, 5470.0, 5276.0, 5345.0, 5416.0, 5294.0, 5383.0, 5338.0, 5440.0, 5710.0, 5685.0, 5597.0, 5506.0, 5484.0, 5579.0, 5394.0, 5659.0, 5522.0, 5642.0, 5662.0, 5261.0, 5689.0, 5481.0, 5577.0, 5278.0, 5254.0, 5638.0, 5280.0, 5596.0, 5275.0, 5365.0, 5306.0, 5695.0, 5500.0, 5705.0, 5277.0, 5548.0, 5648.0, 5455.0, 5496.0, 5635.0, 5319.0, 5684.0, 5474.0, 5526.0, 5592.0, 5290.0, 5489.0, 5403.0, 5482.0,

						5605.0, 5289.0, 5491.0, 5286.0, 5364.0, 5593.0, 5404.0, 5556.0, 5582.0, 5616.0, 5625.0, 5552.0
16	5320	9	1	333	1	5524.0, 5658.0, 5552.0, 5433.0, 5350.0, 5586.0, 5717.0, 5638.0, 5551.0, 5370.0, 5534.0, 5313.0, 5647.0, 5388.0, 5542.0, 5618.0, 5569.0, 5459.0, 5622.0, 5417.0, 5498.0, 5440.0, 5501.0, 5597.0, 5544.0, 5444.0, 5602.0, 5389.0, 5446.0, 5706.0, 5298.0, 5336.0, 5662.0, 5541.0, 5540.0, 5354.0, 5324.0, 5456.0, 5594.0, 5491.0, 5568.0, 5663.0, 5709.0, 5547.0, 5583.0, 5386.0, 5677.0, 5571.0, 5543.0, 5588.0, 5282.0, 5310.0, 5510.0, 5596.0, 5687.0, 5603.0, 5642.0, 5455.0, 5279.0, 5570.0, 5519.0, 5420.0, 5484.0, 5694.0, 5710.0, 5512.0, 5411.0, 5535.0, 5615.0, 5634.0, 5532.0, 5722.0, 5307.0, 5702.0, 5674.0, 5650.0, 5652.0, 5294.0, 5275.0, 5605.0, 5315.0, 5271.0, 5398.0, 5665.0, 5366.0, 5453.0, 5290.0, 5338.0, 5426.0, 5347.0, 5553.0, 5409.0, 5688.0, 5304.0, 5287.0, 5696.0, 5574.0, 5664.0, 5355.0, 5445.0
17	5320	9	1	333	1	5442.0, 5536.0, 5540.0, 5685.0, 5300.0, 5615.0, 5691.0, 5332.0, 5388.0, 5290.0, 5629.0, 5622.0, 5282.0, 5460.0, 5389.0, 5372.0, 5292.0, 5689.0, 5496.0, 5283.0, 5682.0, 5646.0, 5591.0, 5713.0, 5673.0, 5417.0, 5392.0, 5666.0, 5291.0, 5501.0, 5550.0, 5704.0, 5433.0, 5326.0, 5348.0, 5485.0, 5512.0, 5525.0, 5270.0, 5561.0, 5273.0, 5336.0, 5394.0, 5555.0, 5467.0, 5334.0, 5428.0, 5254.0, 5613.0, 5477.0, 5481.0, 5483.0, 5664.0, 5696.0, 5330.0, 5343.0, 5621.0, 5493.0, 5393.0, 5295.0, 5675.0, 5686.0, 5603.0, 5647.0, 5409.0, 5715.0, 5324.0, 5549.0, 5626.0, 5400.0, 5344.0, 5306.0, 5532.0, 5461.0, 5531.0, 5539.0, 5385.0, 5446.0, 5339.0, 5502.0, 5309.0, 5669.0, 5659.0, 5437.0, 5587.0, 5494.0, 5374.0, 5677.0, 5701.0, 5618.0, 5563.0, 5670.0, 5651.0, 5276.0, 5590.0, 5511.0, 5436.0, 5453.0, 5341.0, 5429.0
18	5320	9	1	333	1	5330.0, 5568.0, 5699.0, 5671.0, 5505.0, 5368.0, 5666.0, 5291.0, 5375.0, 5277.0, 5348.0, 5483.0, 5689.0, 5365.0, 5454.0, 5546.0, 5332.0, 5550.0, 5257.0, 5500.0, 5400.0, 5695.0, 5469.0, 5440.0,

						5678.0, 5614.0, 5718.0, 5308.0, 5379.0, 5717.0, 5443.0, 5588.0, 5696.0, 5334.0, 5431.0, 5589.0, 5320.0, 5476.0, 5712.0, 5645.0, 5574.0, 5300.0, 5545.0, 5366.0, 5536.0, 5579.0, 5340.0, 5587.0, 5479.0, 5583.0, 5683.0, 5335.0, 5406.0, 5720.0, 5429.0, 5274.0, 5668.0, 5325.0, 5410.0, 5640.0, 5352.0, 5664.0, 5661.0, 5254.0, 5283.0, 5370.0, 5708.0, 5571.0, 5704.0, 5442.0, 5466.0, 5317.0, 5386.0, 5656.0, 5514.0, 5388.0, 5630.0, 5602.0, 5512.0, 5647.0, 5260.0, 5377.0, 5534.0, 5713.0, 5427.0, 5447.0, 5301.0, 5523.0, 5596.0, 5411.0, 5638.0, 5629.0, 5251.0, 5416.0, 5681.0, 5253.0, 5423.0, 5663.0, 5548.0, 5275.0
19	5320	9	1	333	1	5573.0, 5521.0, 5670.0, 5487.0, 5565.0, 5611.0, 5705.0, 5631.0, 5352.0, 5712.0, 5344.0, 5483.0, 5589.0, 5385.0, 5428.0, 5391.0, 5498.0, 5365.0, 5354.0, 5343.0, 5308.0, 5333.0, 5298.0, 5620.0, 5709.0, 5492.0, 5666.0, 5444.0, 5556.0, 5569.0, 5621.0, 5310.0, 5274.0, 5591.0, 5558.0, 5276.0, 5677.0, 5342.0, 5500.0, 5588.0, 5639.0, 5491.0, 5417.0, 5413.0, 5253.0, 5480.0, 5375.0, 5658.0, 5692.0, 5423.0, 5271.0, 5608.0, 5399.0, 5457.0, 5441.0, 5252.0, 5512.0, 5326.0, 5332.0, 5629.0, 5533.0, 5320.0, 5359.0, 5699.0, 5560.0, 5409.0, 5580.0, 5448.0, 5265.0, 5280.0, 5532.0, 5704.0, 5543.0, 5503.0, 5637.0, 5447.0, 5690.0, 5270.0, 5363.0, 5462.0, 5502.0, 5436.0, 5703.0, 5486.0, 5384.0, 5286.0, 5646.0, 5693.0, 5257.0, 5590.0, 5281.0, 5358.0, 5360.0, 5617.0, 5489.0, 5266.0, 5468.0, 5598.0, 5603.0, 5536.0
20	5320	9	1	333	1	5440.0, 5434.0, 5577.0, 5511.0, 5424.0, 5361.0, 5641.0, 5628.0, 5629.0, 5585.0, 5719.0, 5487.0, 5680.0, 5578.0, 5639.0, 5540.0, 5416.0, 5599.0, 5486.0, 5348.0, 5420.0, 5549.0, 5530.0, 5268.0, 5587.0, 5600.0, 5389.0, 5673.0, 5356.0, 5610.0, 5319.0, 5657.0, 5645.0, 5428.0, 5429.0, 5609.0, 5376.0, 5326.0, 5646.0, 5425.0, 5316.0, 5410.0, 5413.0, 5354.0, 5589.0, 5264.0, 5604.0, 5477.0, 5630.0, 5401.0, 5584.0, 5454.0, 5304.0, 5557.0, 5350.0, 5564.0, 5701.0, 5458.0, 5313.0, 5524.0,

						5561.0, 5394.0, 5538.0, 5414.0, 5438.0, 5595.0, 5286.0, 5417.0, 5694.0, 5252.0, 5690.0, 5412.0, 5521.0, 5533.0, 5329.0, 5697.0, 5616.0, 5689.0, 5426.0, 5437.0, 5462.0, 5625.0, 5527.0, 5345.0, 5257.0, 5449.0, 5402.0, 5262.0, 5631.0, 5606.0, 5692.0, 5707.0, 5433.0, 5384.0, 5374.0, 5305.0, 5346.0, 5377.0, 5478.0, 5550.0
21	5320	9	1	333	1	5351.0, 5375.0, 5604.0, 5570.0, 5639.0, 5627.0, 5616.0, 5612.0, 5302.0, 5379.0, 5421.0, 5669.0, 5295.0, 5267.0, 5477.0, 5494.0, 5402.0, 5558.0, 5673.0, 5510.0, 5264.0, 5458.0, 5517.0, 5542.0, 5299.0, 5497.0, 5334.0, 5420.0, 5323.0, 5562.0, 5437.0, 5580.0, 5430.0, 5664.0, 5448.0, 5405.0, 5530.0, 5541.0, 5724.0, 5595.0, 5286.0, 5313.0, 5376.0, 5279.0, 5342.0, 5289.0, 5709.0, 5671.0, 5280.0, 5571.0, 5291.0, 5582.0, 5416.0, 5690.0, 5284.0, 5316.0, 5329.0, 5504.0, 5464.0, 5628.0, 5309.0, 5703.0, 5603.0, 5569.0, 5346.0, 5689.0, 5463.0, 5340.0, 5655.0, 5278.0, 5702.0, 5369.0, 5547.0, 5301.0, 5269.0, 5273.0, 5525.0, 5589.0, 5667.0, 5556.0, 5646.0, 5662.0, 5540.0, 5367.0, 5495.0, 5341.0, 5424.0, 5658.0, 5620.0, 5636.0, 5559.0, 5488.0, 5630.0, 5426.0, 5365.0, 5696.0, 5350.0, 5716.0, 5513.0, 5467.0
22	5320	9	1	333	1	5693.0, 5501.0, 5526.0, 5506.0, 5366.0, 5393.0, 5497.0, 5350.0, 5488.0, 5403.0, 5600.0, 5504.0, 5639.0, 5282.0, 5666.0, 5625.0, 5710.0, 5641.0, 5391.0, 5349.0, 5578.0, 5552.0, 5450.0, 5305.0, 5381.0, 5295.0, 5558.0, 5670.0, 5532.0, 5320.0, 5288.0, 5514.0, 5507.0, 5604.0, 5345.0, 5572.0, 5702.0, 5281.0, 5603.0, 5400.0, 5651.0, 5418.0, 5656.0, 5652.0, 5334.0, 5410.0, 5439.0, 5551.0, 5382.0, 5333.0, 5300.0, 5372.0, 5654.0, 5632.0, 5479.0, 5425.0, 5549.0, 5547.0, 5517.0, 5373.0, 5470.0, 5662.0, 5581.0, 5328.0, 5554.0, 5593.0, 5409.0, 5622.0, 5492.0, 5476.0, 5316.0, 5306.0, 5301.0, 5530.0, 5269.0, 5605.0, 5264.0, 5341.0, 5290.0, 5347.0, 5499.0, 5592.0, 5255.0, 5428.0, 5250.0, 5606.0, 5520.0, 5623.0, 5634.0, 5624.0, 5361.0, 5365.0, 5257.0, 5451.0, 5469.0, 5636.0,

						5569.0, 5557.0, 5379.0, 5272.0
23	5320	9	1	333	1	5499.0, 5609.0, 5396.0, 5576.0, 5720.0, 5594.0, 5382.0, 5468.0, 5454.0, 5603.0, 5570.0, 5702.0, 5431.0, 5318.0, 5289.0, 5363.0, 5280.0, 5434.0, 5477.0, 5574.0, 5529.0, 5379.0, 5342.0, 5348.0, 5498.0, 5328.0, 5641.0, 5320.0, 5553.0, 5274.0, 5534.0, 5533.0, 5622.0, 5469.0, 5588.0, 5436.0, 5556.0, 5265.0, 5319.0, 5281.0, 5502.0, 5451.0, 5332.0, 5279.0, 5368.0, 5317.0, 5421.0, 5691.0, 5413.0, 5360.0, 5255.0, 5420.0, 5269.0, 5648.0, 5659.0, 5639.0, 5621.0, 5372.0, 5689.0, 5423.0, 5649.0, 5690.0, 5496.0, 5457.0, 5700.0, 5564.0, 5713.0, 5432.0, 5516.0, 5435.0, 5552.0, 5681.0, 5551.0, 5465.0, 5589.0, 5252.0, 5664.0, 5595.0, 5618.0, 5617.0, 5530.0, 5449.0, 5298.0, 5704.0, 5414.0, 5341.0, 5419.0, 5632.0, 5344.0, 5657.0, 5365.0, 5334.0, 5672.0, 5563.0, 5518.0, 5665.0, 5541.0, 5505.0, 5353.0, 5284.0
24	5320	9	1	333	1	5269.0, 5467.0, 5688.0, 5629.0, 5283.0, 5347.0, 5588.0, 5616.0, 5262.0, 5350.0, 5457.0, 5508.0, 5597.0, 5683.0, 5605.0, 5285.0, 5324.0, 5594.0, 5388.0, 5281.0, 5714.0, 5708.0, 5572.0, 5360.0, 5346.0, 5566.0, 5549.0, 5308.0, 5648.0, 5255.0, 5559.0, 5623.0, 5470.0, 5397.0, 5374.0, 5465.0, 5487.0, 5265.0, 5287.0, 5359.0, 5468.0, 5456.0, 5444.0, 5268.0, 5329.0, 5721.0, 5667.0, 5503.0, 5252.0, 5391.0, 5545.0, 5522.0, 5366.0, 5266.0, 5502.0, 5634.0, 5720.0, 5620.0, 5497.0, 5323.0, 5647.0, 5400.0, 5469.0, 5589.0, 5498.0, 5553.0, 5677.0, 5496.0, 5619.0, 5622.0, 5565.0, 5362.0, 5356.0, 5618.0, 5700.0, 5393.0, 5530.0, 5630.0, 5719.0, 5716.0, 5435.0, 5300.0, 5279.0, 5261.0, 5601.0, 5686.0, 5527.0, 5693.0, 5694.0, 5600.0, 5531.0, 5568.0, 5341.0, 5581.0, 5723.0, 5598.0, 5446.0, 5426.0, 5445.0, 5610.0
25	5320	9	1	333	1	5411.0, 5657.0, 5297.0, 5571.0, 5718.0, 5595.0, 5704.0, 5617.0, 5616.0, 5599.0, 5397.0, 5260.0, 5534.0, 5507.0, 5669.0, 5708.0, 5703.0, 5562.0, 5460.0, 5561.0, 5603.0, 5433.0, 5398.0, 5313.0, 5582.0, 5406.0, 5706.0, 5253.0, 5606.0, 5543.0, 5401.0, 5386.0,

						5667.0, 5288.0, 5279.0, 5390.0, 5434.0, 5640.0, 5477.0, 5263.0, 5445.0, 5596.0, 5407.0, 5335.0, 5713.0, 5357.0, 5272.0, 5655.0, 5296.0, 5356.0, 5404.0, 5691.0, 5321.0, 5641.0, 5339.0, 5716.0, 5549.0, 5694.0, 5605.0, 5568.0, 5576.0, 5290.0, 5652.0, 5545.0, 5251.0, 5567.0, 5601.0, 5354.0, 5399.0, 5670.0, 5447.0, 5618.0, 5344.0, 5462.0, 5271.0, 5299.0, 5268.0, 5645.0, 5518.0, 5636.0, 5388.0, 5392.0, 5266.0, 5349.0, 5421.0, 5480.0, 5676.0, 5366.0, 5289.0, 5613.0, 5494.0, 5649.0, 5570.0, 5320.0, 5285.0, 5457.0, 5374.0, 5531.0, 5250.0, 5322.0
26	5320	9	1	333	1	5434.0, 5570.0, 5649.0, 5374.0, 5583.0, 5575.0, 5598.0, 5440.0, 5685.0, 5533.0, 5334.0, 5572.0, 5445.0, 5292.0, 5501.0, 5661.0, 5405.0, 5463.0, 5481.0, 5634.0, 5707.0, 5401.0, 5652.0, 5562.0, 5515.0, 5718.0, 5545.0, 5560.0, 5416.0, 5554.0, 5618.0, 5546.0, 5653.0, 5441.0, 5370.0, 5437.0, 5275.0, 5540.0, 5623.0, 5381.0, 5682.0, 5585.0, 5315.0, 5333.0, 5309.0, 5486.0, 5400.0, 5639.0, 5442.0, 5520.0, 5691.0, 5587.0, 5615.0, 5281.0, 5604.0, 5255.0, 5689.0, 5448.0, 5329.0, 5671.0, 5684.0, 5669.0, 5296.0, 5518.0, 5496.0, 5544.0, 5280.0, 5314.0, 5702.0, 5351.0, 5580.0, 5511.0, 5619.0, 5656.0, 5321.0, 5394.0, 5347.0, 5601.0, 5640.0, 5563.0, 5319.0, 5352.0, 5632.0, 5688.0, 5695.0, 5626.0, 5488.0, 5261.0, 5289.0, 5484.0, 5673.0, 5447.0, 5576.0, 5489.0, 5420.0, 5302.0, 5304.0, 5413.0, 5429.0, 5364.0
27	5320	9	1	333	1	5561.0, 5457.0, 5292.0, 5258.0, 5475.0, 5488.0, 5483.0, 5606.0, 5259.0, 5396.0, 5637.0, 5565.0, 5460.0, 5459.0, 5666.0, 5611.0, 5456.0, 5554.0, 5584.0, 5591.0, 5677.0, 5351.0, 5660.0, 5414.0, 5274.0, 5668.0, 5481.0, 5559.0, 5458.0, 5392.0, 5366.0, 5705.0, 5471.0, 5541.0, 5493.0, 5397.0, 5578.0, 5324.0, 5365.0, 5721.0, 5432.0, 5484.0, 5402.0, 5401.0, 5342.0, 5665.0, 5293.0, 5525.0, 5616.0, 5394.0, 5329.0, 5395.0, 5724.0, 5448.0, 5536.0, 5562.0, 5607.0, 5720.0, 5516.0, 5494.0, 5305.0, 5604.0, 5519.0, 5341.0, 5650.0, 5289.0, 5520.0, 5573.0,

						5345.0, 5389.0, 5367.0, 5273.0, 5513.0, 5638.0, 5532.0, 5526.0, 5482.0, 5320.0, 5417.0, 5592.0, 5510.0, 5412.0, 5380.0, 5429.0, 5716.0, 5714.0, 5574.0, 5313.0, 5405.0, 5416.0, 5266.0, 5301.0, 5450.0, 5386.0, 5564.0, 5636.0, 5711.0, 5270.0, 5634.0, 5486.0
28	5320	9	1	333	1	5689.0, 5264.0, 5666.0, 5345.0, 5379.0, 5362.0, 5339.0, 5366.0, 5606.0, 5399.0, 5282.0, 5440.0, 5251.0, 5712.0, 5351.0, 5254.0, 5713.0, 5343.0, 5342.0, 5417.0, 5611.0, 5632.0, 5253.0, 5346.0, 5393.0, 5647.0, 5723.0, 5613.0, 5340.0, 5357.0, 5702.0, 5269.0, 5334.0, 5699.0, 5619.0, 5380.0, 5484.0, 5559.0, 5472.0, 5596.0, 5716.0, 5466.0, 5391.0, 5456.0, 5651.0, 5682.0, 5473.0, 5678.0, 5328.0, 5280.0, 5587.0, 5378.0, 5329.0, 5624.0, 5708.0, 5307.0, 5333.0, 5407.0, 5514.0, 5435.0, 5475.0, 5509.0, 5620.0, 5304.0, 5268.0, 5284.0, 5653.0, 5496.0, 5592.0, 5306.0, 5498.0, 5490.0, 5686.0, 5455.0, 5692.0, 5720.0, 5657.0, 5373.0, 5314.0, 5562.0, 5298.0, 5326.0, 5323.0, 5625.0, 5396.0, 5311.0, 5704.0, 5450.0, 5607.0, 5483.0, 5664.0, 5654.0, 5499.0, 5599.0, 5434.0, 5541.0, 5348.0, 5299.0, 5665.0, 5554.0
29	5320	9	1	333	1	5359.0, 5383.0, 5288.0, 5642.0, 5467.0, 5626.0, 5634.0, 5579.0, 5356.0, 5364.0, 5424.0, 5309.0, 5529.0, 5582.0, 5566.0, 5400.0, 5635.0, 5711.0, 5398.0, 5664.0, 5274.0, 5441.0, 5669.0, 5702.0, 5302.0, 5688.0, 5621.0, 5409.0, 5358.0, 5535.0, 5430.0, 5305.0, 5471.0, 5679.0, 5266.0, 5697.0, 5391.0, 5513.0, 5667.0, 5701.0, 5376.0, 5627.0, 5462.0, 5570.0, 5574.0, 5610.0, 5525.0, 5586.0, 5710.0, 5436.0, 5544.0, 5443.0, 5500.0, 5476.0, 5656.0, 5473.0, 5451.0, 5446.0, 5350.0, 5600.0, 5524.0, 5286.0, 5720.0, 5576.0, 5571.0, 5651.0, 5484.0, 5577.0, 5339.0, 5676.0, 5713.0, 5486.0, 5603.0, 5421.0, 5595.0, 5282.0, 5452.0, 5498.0, 5326.0, 5439.0, 5415.0, 5548.0, 5673.0, 5528.0, 5408.0, 5691.0, 5628.0, 5668.0, 5654.0, 5292.0, 5618.0, 5432.0, 5568.0, 5277.0, 5517.0, 5447.0, 5327.0, 5348.0, 5705.0, 5547.0
30	5320	9	1	333	1	5719.0, 5413.0, 5491.0, 5629.0,



						5711.0,	5320.0,	5574.0,	5470.0,
						5493.0,	5619.0,	5414.0,	5309.0,
						5335.0,	5704.0,	5406.0,	5412.0,
						5615.0,	5471.0,	5676.0,	5597.0,
						5660.0,	5468.0,	5683.0,	5535.0,
						5368.0,	5502.0,	5328.0,	5419.0,
						5588.0,	5450.0,	5256.0,	5671.0,
						5596.0,	5356.0,	5474.0,	5387.0,
						5438.0,	5310.0,	5667.0,	5525.0,
						5259.0,	5542.0,	5302.0,	5492.0,
						5402.0,	5533.0,	5624.0,	5464.0,
						5262.0,	5643.0,	5403.0,	5627.0,
						5337.0,	5501.0,	5336.0,	5614.0,
						5323.0,	5659.0,	5647.0,	5472.0,
						5289.0,	5296.0,	5268.0,	5349.0,
						5480.0,	5304.0,	5473.0,	5432.0,
						5286.0,	5612.0,	5578.0,	5656.0,
						5459.0,	5440.0,	5427.0,	5388.0,
						5431.0,	5658.0,	5339.0,	5618.0,
						5724.0,	5280.0,	5640.0,	5680.0,
						5653.0,	5536.0,	5483.0,	5292.0,
						5641.0,	5298.0,	5257.0,	5334.0,
						5690.0,	5557.0,	5452.0,	5447.0,
						5599.0,	5591.0,	5411.0,	5362.0

## 5. BRIDGE AND/OR MESH MODE

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### Test Standard:

Networks Access Points with Bridge and/or MESH modes of operation are permitted to operate in the DFS bands but must employ a DFS function. The functionality of the Bridge mode as specified in §15.403(a) must be validated in the DFS test report. Devices operating as relays where they act as master and client must also employ DFS function for the master. The method used to validate the functionality must be documented and validation data must be documented. Bridge mode can be validated by performing a test statistical performance check (Section 7.8.4) on any one of the radar types. This is an abbreviated test to verify DFS functionality. MESH mode operational methodology must be submitted in the application for certification for evaluation by the FCC.

### Test Result:

#### Test Mode: Mesh

Compliance, please refer the below data.

**5310MHz****Radar Type 2 Statistical Performance**

<b>Trial #</b>	<b>Fc (MHz)</b>	<b>Pulse/Burst</b>	<b>Pulse Width (μS)</b>	<b>PRI (μs)</b>	<b>Detection (1:yes; 0:no)</b>
1	5310	25	1	154	1
2	5310	26	3.2	150	1
3	5310	26	3.9	218	1
4	5310	29	2.9	184	1
5	5310	29	4.5	226	0
6	5310	24	4.8	189	1
7	5310	29	4.4	196	1
8	5310	23	4.3	213	1
9	5310	23	1.1	151	1
10	5310	25	2.2	229	1
11	5310	26	2.9	223	1
12	5310	28	1.3	217	1
13	5310	26	3.4	153	1
14	5310	24	4	187	1
15	5310	27	1.3	214	0
16	5310	27	2.5	163	1
17	5310	26	2.4	214	1
18	5310	26	3.5	216	1
19	5310	28	2.6	171	1
20	5310	28	3.8	217	1
21	5310	29	3.5	219	1
22	5310	25	4.2	208	1
23	5310	26	1.4	204	1
24	5310	26	2.1	225	1
25	5310	25	1.5	218	1
26	5310	28	3	184	1
27	5310	28	2	189	1
28	5310	25	2.1	191	1
29	5310	26	1.7	173	1
30	5310	24	4.8	228	1
<b>Detection Percentage: 93.3 % (&gt;60%)</b>					

**\*\*\*\*\* END OF REPORT \*\*\*\*\***