



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: V7TRX12P

Product Name: AX3000 Dual Band Gigabit WiFi 6 Router

Model Number: RX12 Pro, TX12 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: CR22080019-00D

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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.

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CONTENTS

TEST FACILITY	2
DECLARATIONS.....	2
1. GENERAL INFORMATION	4
1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)	4
1.2 DESCRIPTION OF TEST CONFIGURATION.....	5
1.2.1 EUT Operation Condition:.....	5
1.2.2 Support Equipment List and Details	10
1.2.3 Support Cable List and Details	10
1.2.4 Block Diagram of Test Setup.....	10
2. SUMMARY OF TEST RESULTS	11
3. REQUIREMENTS AND TEST PROCEDURES	12
3.1 DFS REQUIREMENT.....	12
3.2 DFS MEASUREMENT SYSTEM.....	16
3.3 SYSTEM BLOCK DIAGRAM	16
3.4 TEST PROCEDURE	16
4. Test DATA AND RESULTS.....	17
4.1 RADAR WAVEFORM CALIBRATION	18
4.2 CHANNEL AVAILABILITY CHECK TIME (CAC).....	23
4.2.1 Test Procedure	23
4.2.2 EUT Initial power-up Cycle Time	23
4.2.3 Results:	23
4.3 CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME	26
4.3.1 Test Procedure	26
4.3.2 Test Results.....	26
4.3.3 Results:	26
4.4 NON-OCCUPANCY PERIOD.....	28
4.4.1 Test Procedure	28
4.4.2 Test Result	28
4.5 DETECTION BANDWIDTH	29
4.5.1 Test Procedure	29
4.5.2 Test Result	29
4.6 STATISTICAL PERFORMANCE CHECK	34
4.6.1 Procedure:	34
4.6.2 Result:	35
5. BRIDGE AND/OR MESH MODE.....	157

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	AX3000 Dual Band Gigabit WiFi 6 Router
EUT Model:	RX12 Pro
	TX12 Pro
Operation Frequency:	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)
Maximum Average Output Power (Conducted):	16.01 dBm (5250-5350 MHz)
Maximum Average Output Power (EIRP):	25.01 dBm (5250-5350 MHz)
Modulation Type:	802.11a/n/ac/ax: OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM
Rated Input Voltage:	DC 12V from adapter
Serial Number:	CR22080019-RF-S1
EUT Received Date:	2022.08.15
EUT Received Status:	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.	

Antenna Information Detail▲:

Antenna Chain/Usage	Manufacturer	Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain
5G Chain 0	Tenda	Dipole	50	5.15-5.85GHz	6.0 dBi
5G Chain 1	Tenda	Dipole	50	5.15-5.85GHz	6.0 dBi

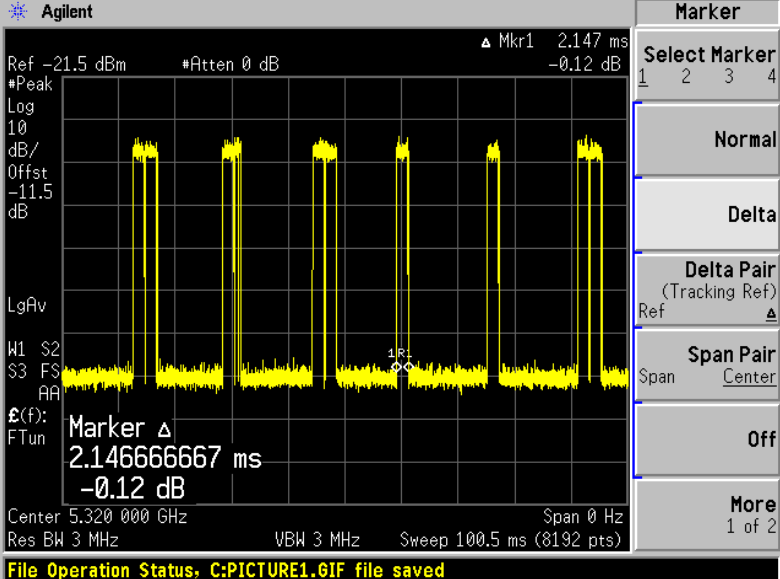
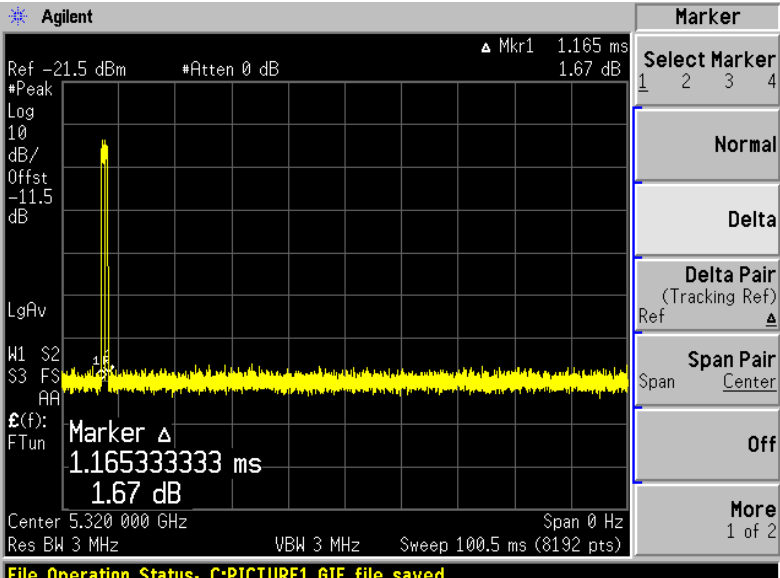
Accessory Information:

Accessory Description	Manufacturer	Model	Parameters
Adapter	SHENZHEN HEWEISHUN NETWORK TECHNOLOGY CO.,CTD.	BN074-A18012U	Input:100-240V, 50~60Hz,0.6A Output:12V,1.5A

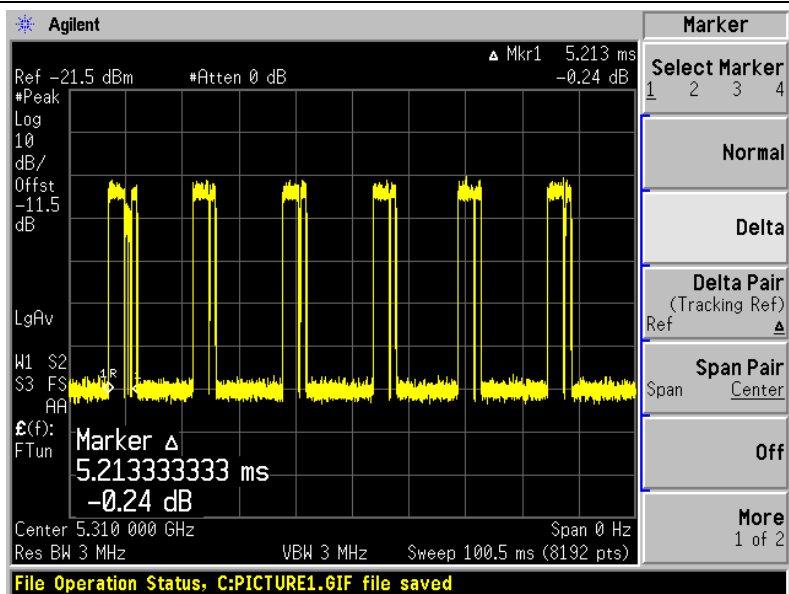
1.2 Description of Test Configuration

1.2.1 EUT Operation Condition:

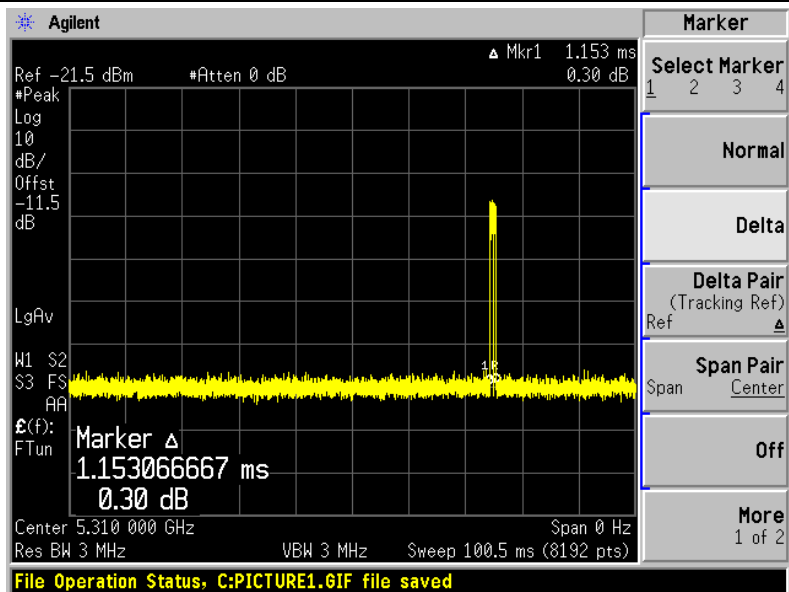
EUT Operation Mode:		The system was configured for testing in Engineering Mode, which was provided by the manufacturer.
Equipment Modifications:		No
EUT Exercise Software:		telnet Command
The telnet Command was provided by manufacturer ▲. The below mode and data rate was used when testing:		
Bandwidth	Modes	Data Rate
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 package streamed from the Access Point to the Client using the software “Tfgen”. The following duty cycle was used when test:		

20MHz mode Traffic Duty Cycle: $2.147 \times 9 / 100.5 = 19.23\%$	 Agilent Ref -21.5 dBm #Atten 0 dB Mkr1 2.147 ms -0.12 dB Select Marker 1 2 3 4 Normal Delta Delta Pair (Tracking Ref) Ref Span Pair Span Center Off More 1 of 2 Marker Δ 2.14666667 ms -0.12 dB Center 5.320 000 GHz Span 0 Hz Res BW 3 MHz VBW 3 MHz Sweep 100.5 ms (8192 pts) File Operation Status, C:PICTURE1.GIF file saved
20MHz mode Without Traffic Duty Cycle: $1.17 / 100.5 = 1.16\%$	 Agilent Ref -21.5 dBm #Atten 0 dB Mkr1 1.165 ms 1.67 dB Select Marker 1 2 3 4 Normal Delta Delta Pair (Tracking Ref) Ref Span Pair Span Center Off More 1 of 2 Marker Δ 1.16533333 ms 1.67 dB Center 5.320 000 GHz Span 0 Hz Res BW 3 MHz VBW 3 MHz Sweep 100.5 ms (8192 pts) File Operation Status, C:PICTURE1.GIF file saved

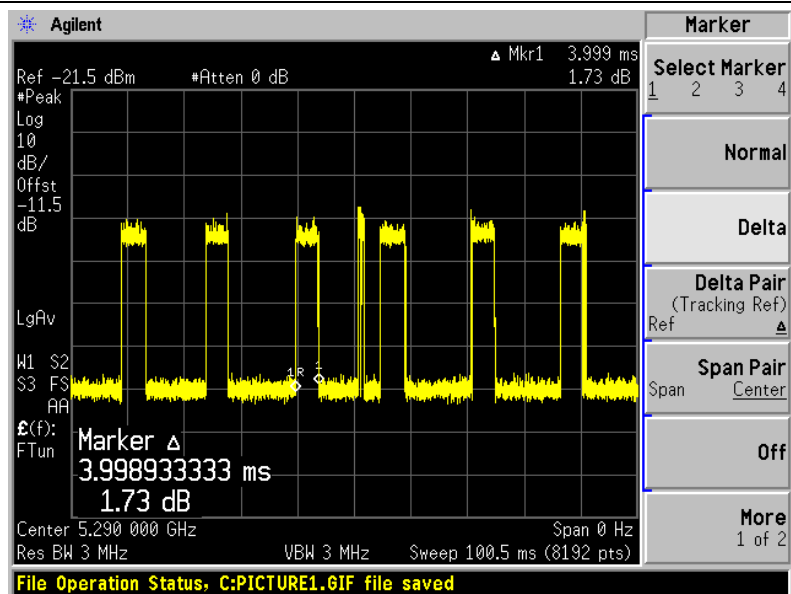
40MHz mode Traffic
Duty Cycle:
 $5.213 \times 6 / 100.5 = 31.12\%$



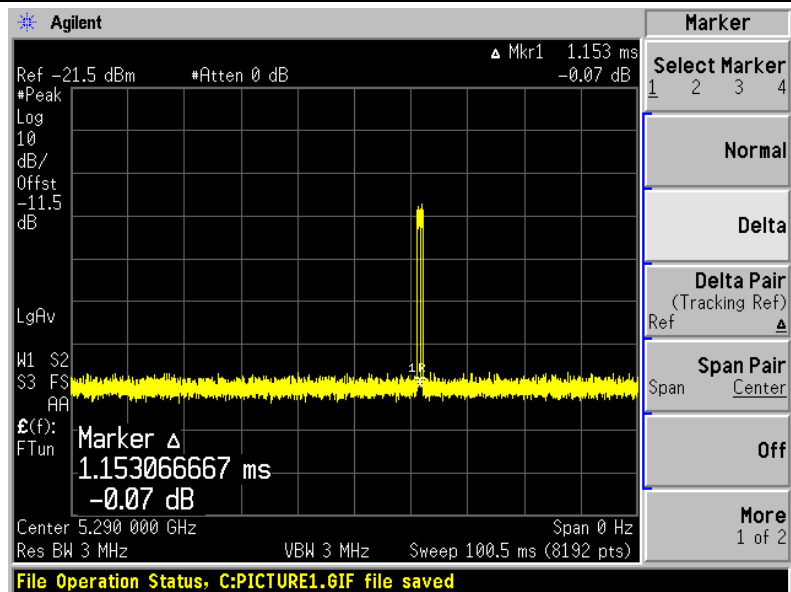
40MHz mode Without
Traffic
Duty Cycle:
 $1.15 / 100.5 = 1.14\%$



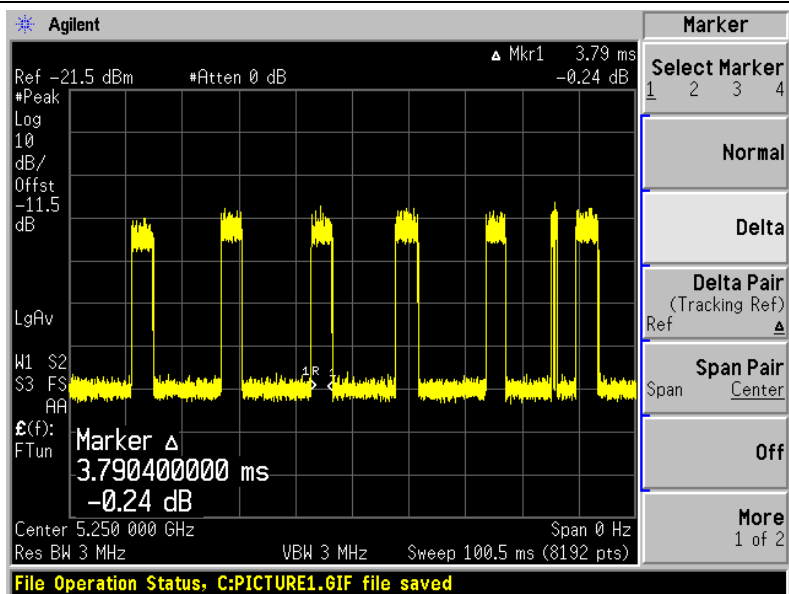
80MHz mode Traffic
Duty Cycle:
 $3.999 \times 6 / 100.5 = 23.87\%$



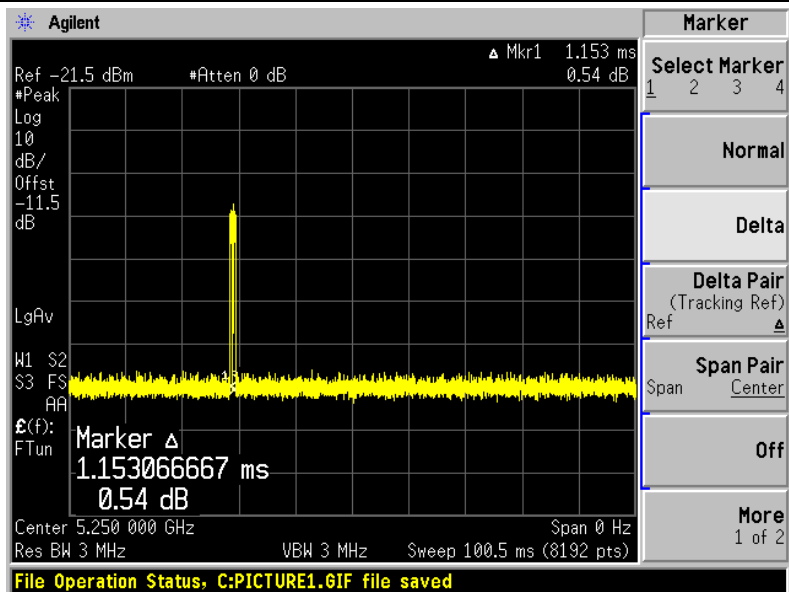
80MHz mode Without
Traffic
Duty Cycle:
 $1.15 / 100.5 = 1.14\%$



160MHz mode Traffic
Duty Cycle:
 $3.790 \times 6 / 100.5 = 22.63\%$



160MHz mode Without
Traffic
Duty Cycle:
 $1.15 / 100.5 = 1.14\%$



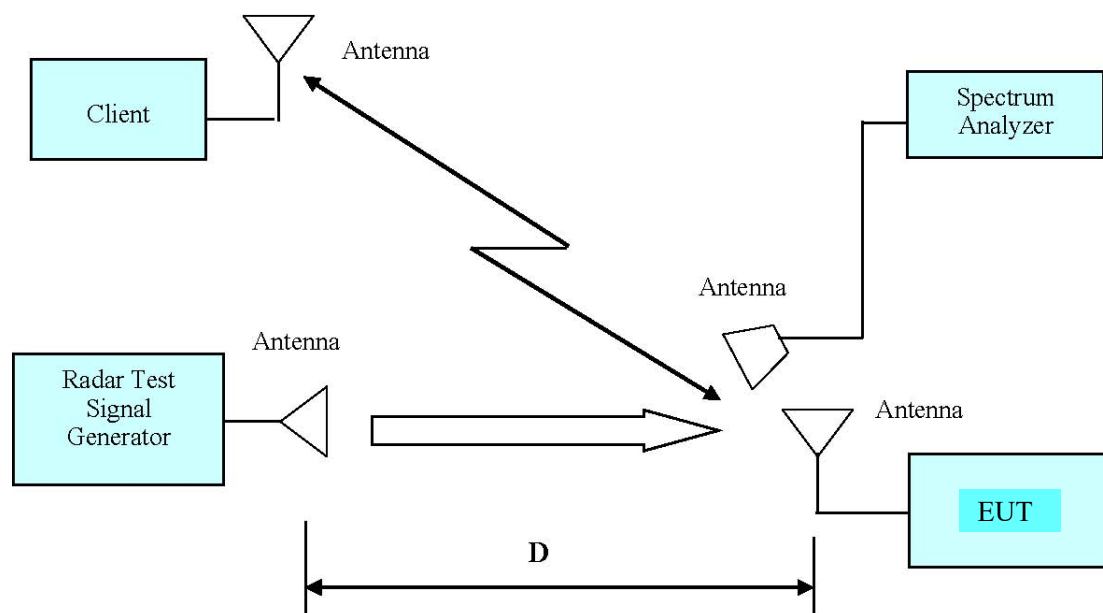
1.2.2 Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Lenovo	Laptop	2347A21	00331-10000-00001-AA887
ASUS	Laptop	FX504G	J6NRCX014047232

Note: ASUS Laptop Contains FCC ID: PD99560NG.

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
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

Table 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.
Note 1: <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. Note 2: 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</i> move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. Note 3: During the <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.	

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 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	Roundup $\left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

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

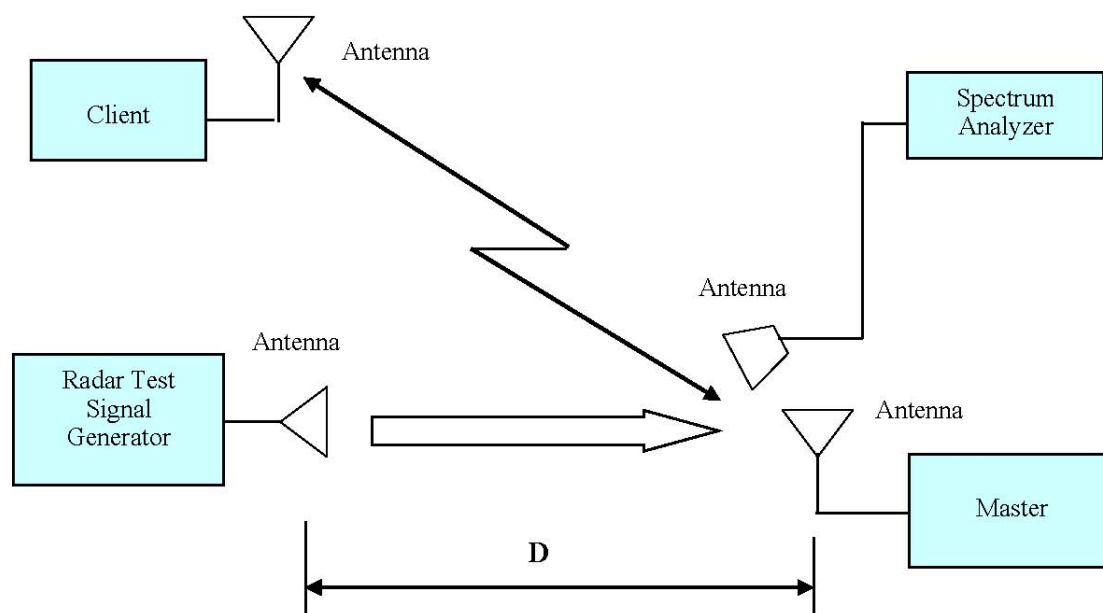
Table 7 – Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (μsec)	PRI (μsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

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 diction and Channel move. It is also used to monitor EUT transmissions during the Channel Availability Check Time.

4. Test DATA AND RESULTS

Serial Number:	CR22080019-RF-S1	Test Date:	2022-10-21~2022-10-23
Test Site:	RF	Test Mode:	Transmitting
Tester:	Julie Tan	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.8	Relative Humidity: (%)	48	Temperature: (°C)	101.2
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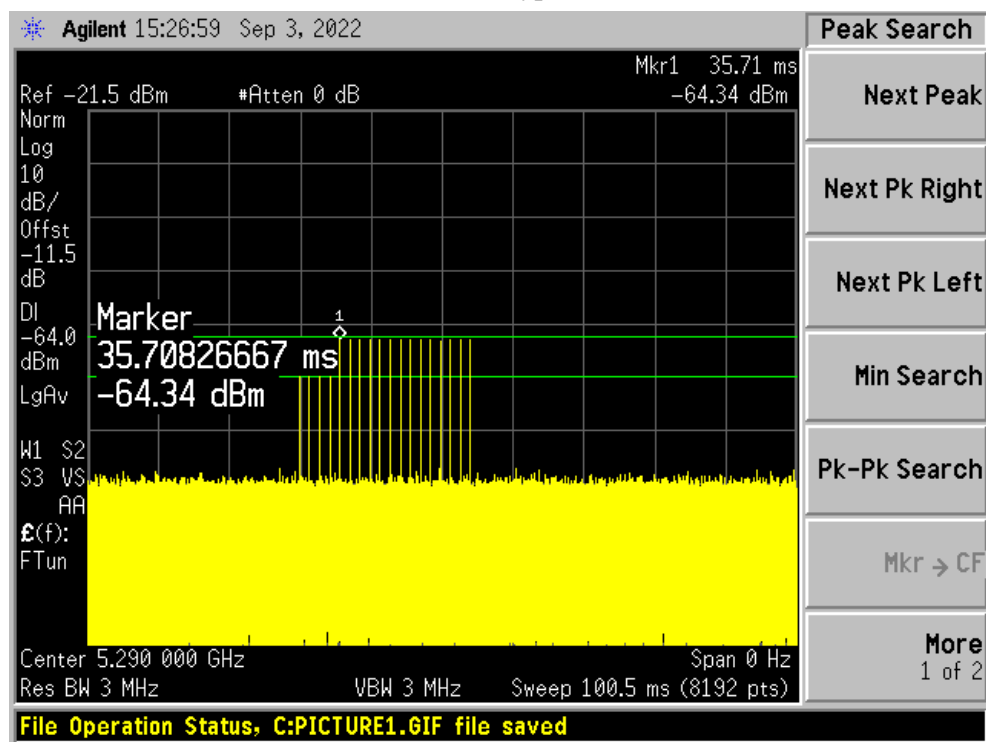
Test Equipment List and Details:

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	2023/07/14
Ditorn	Splitter/Combiner	D3C4080	SN2244	N/A	N/A
TDK RF	horn antenna	HRN-0118	130 084	2021/10/12	2024/10/12
LINDGREN	horn antenna	3115	000 527 35	2021/10/12	2024/10/12

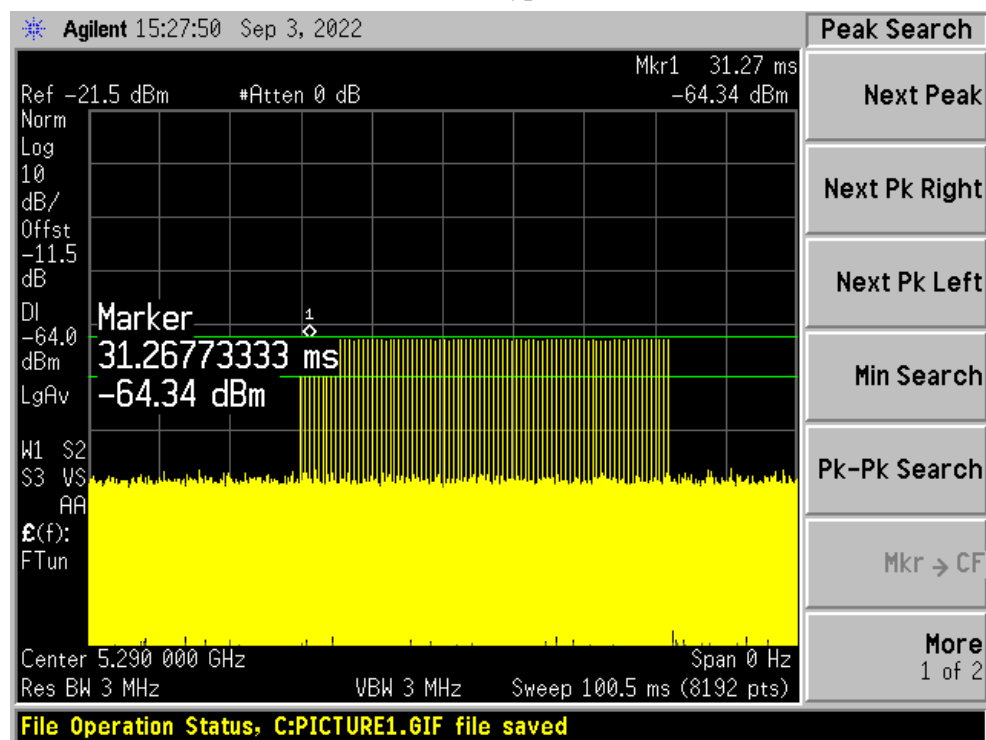
* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

4.1 Radar Waveform Calibration

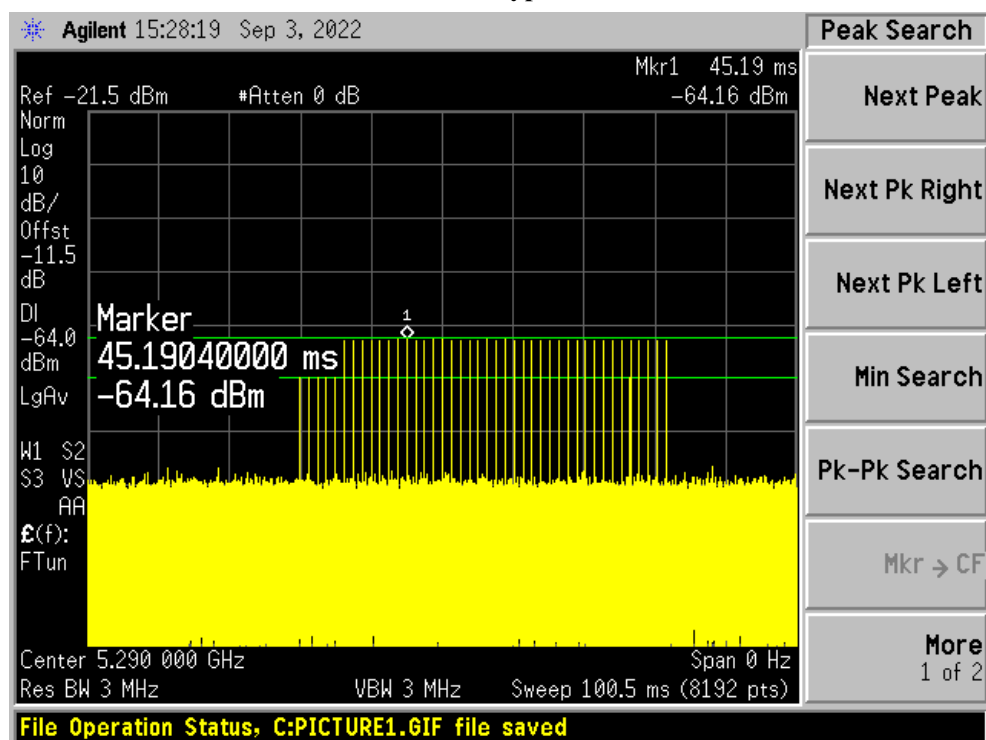
Radar Type 0



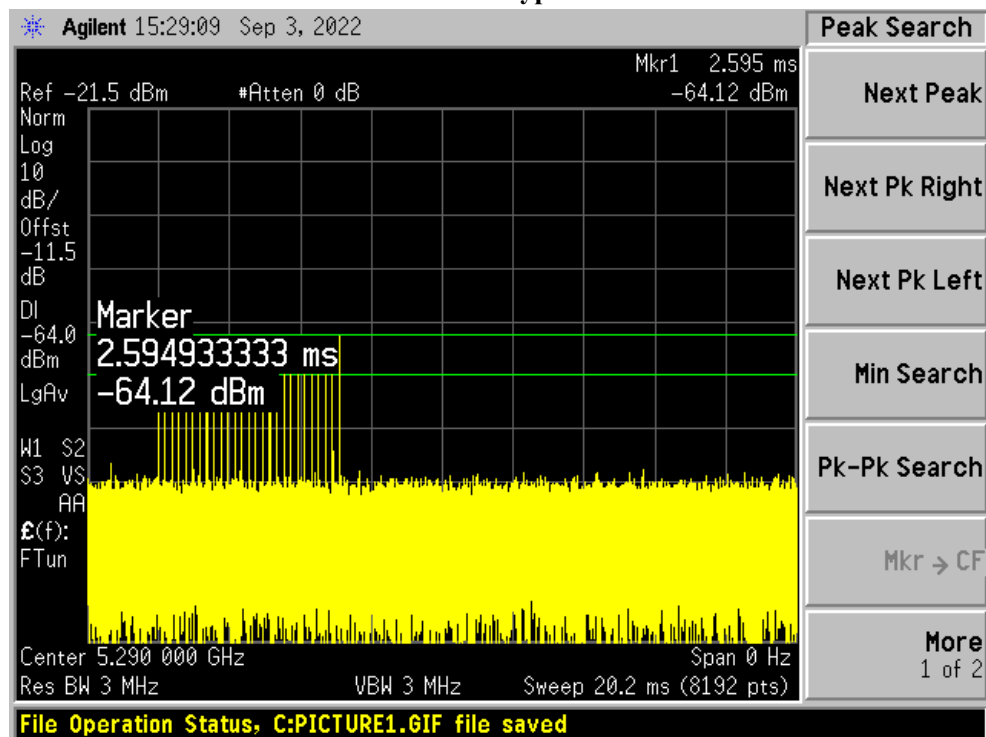
Radar Type 1A



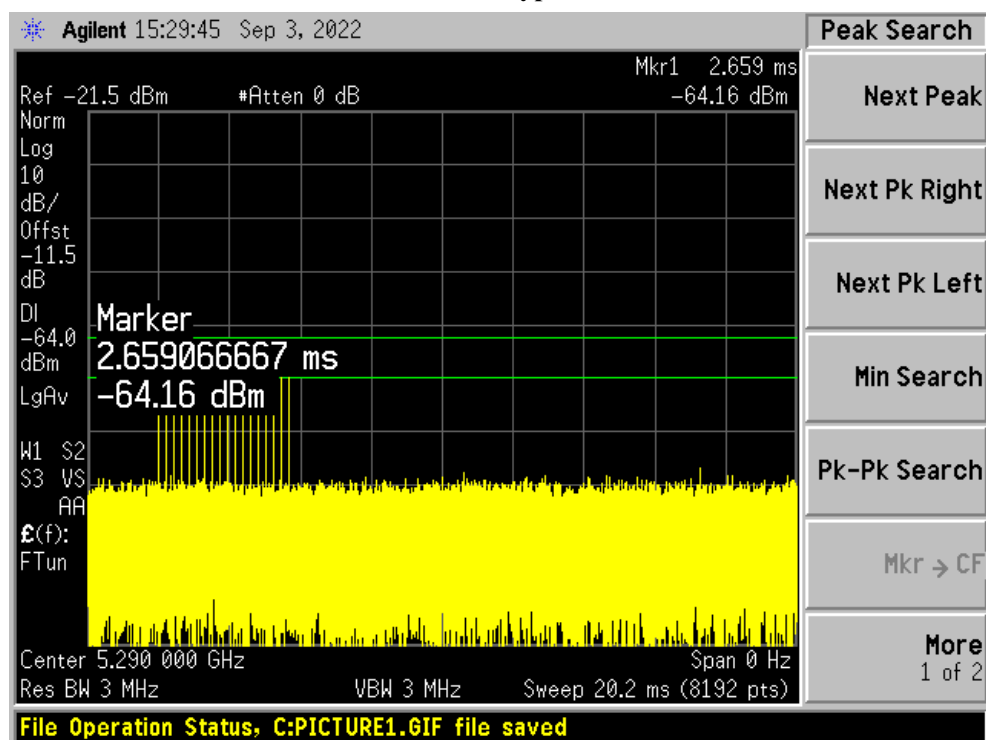
Radar Type 1B



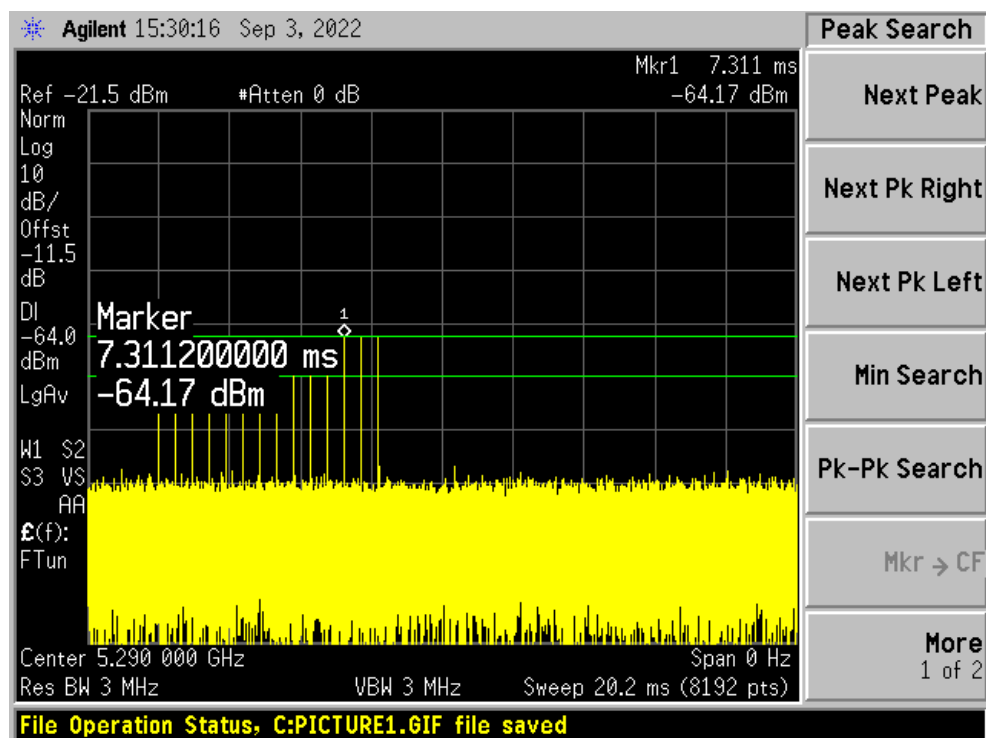
Radar Type 2



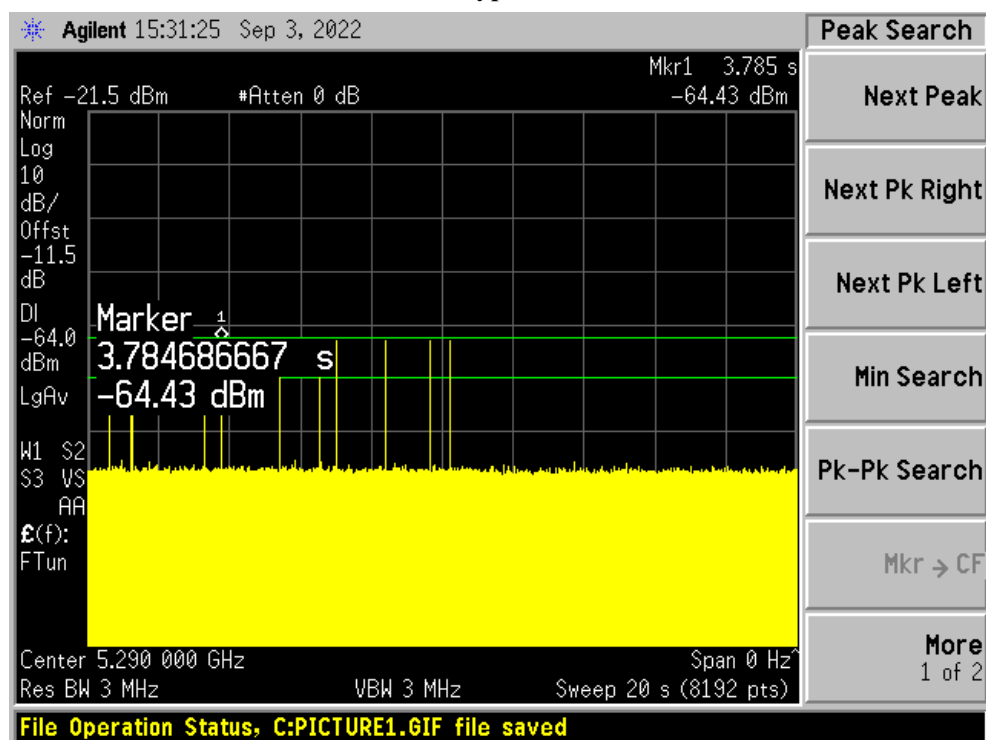
Radar Type 3



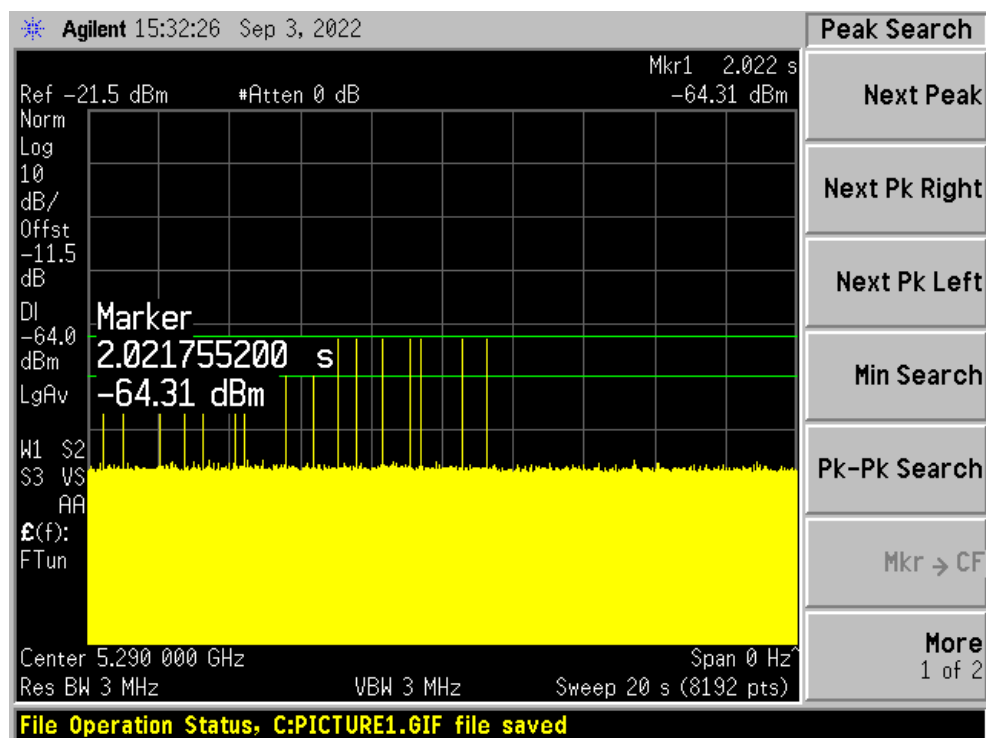
Radar Type 4



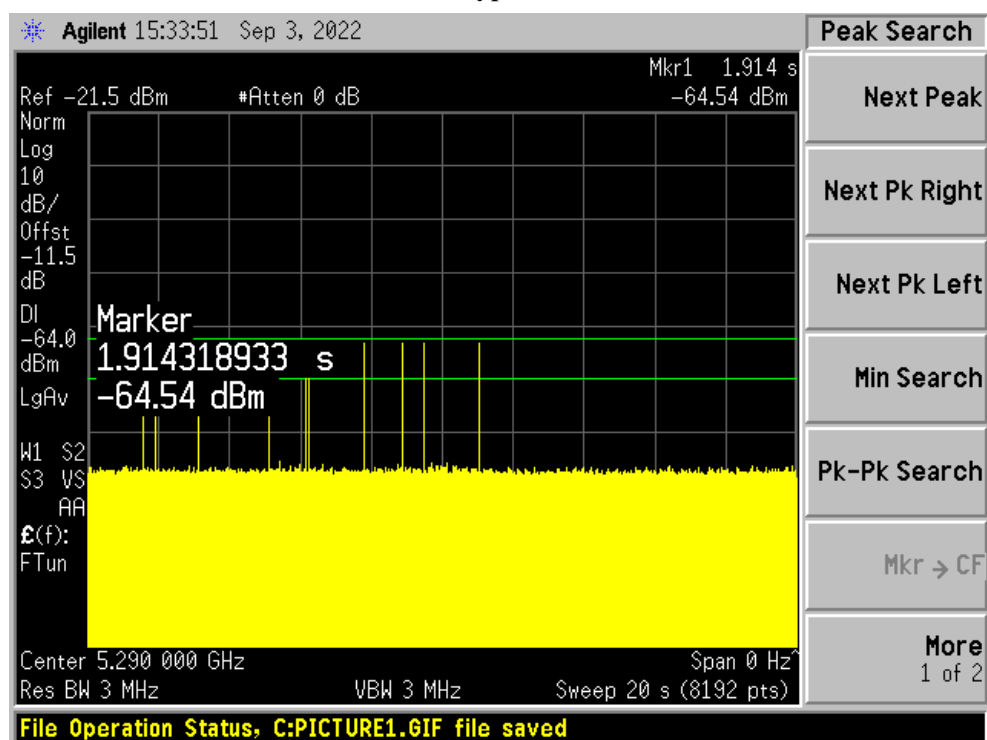
Radar Type 5 Case 1



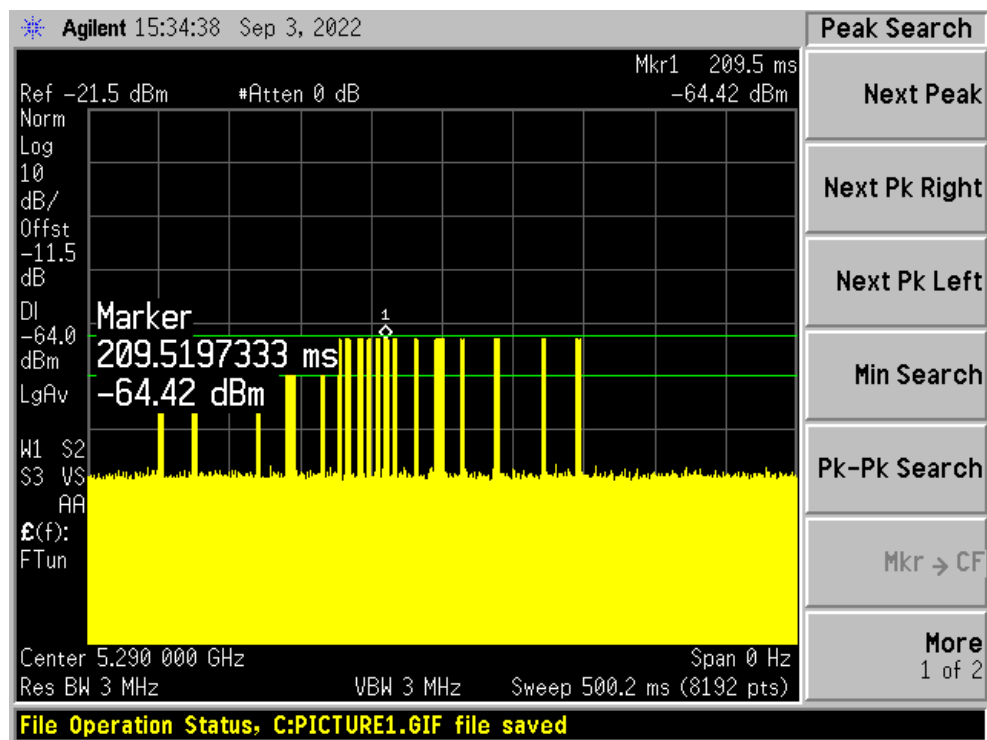
Radar Type 5 Case 2



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

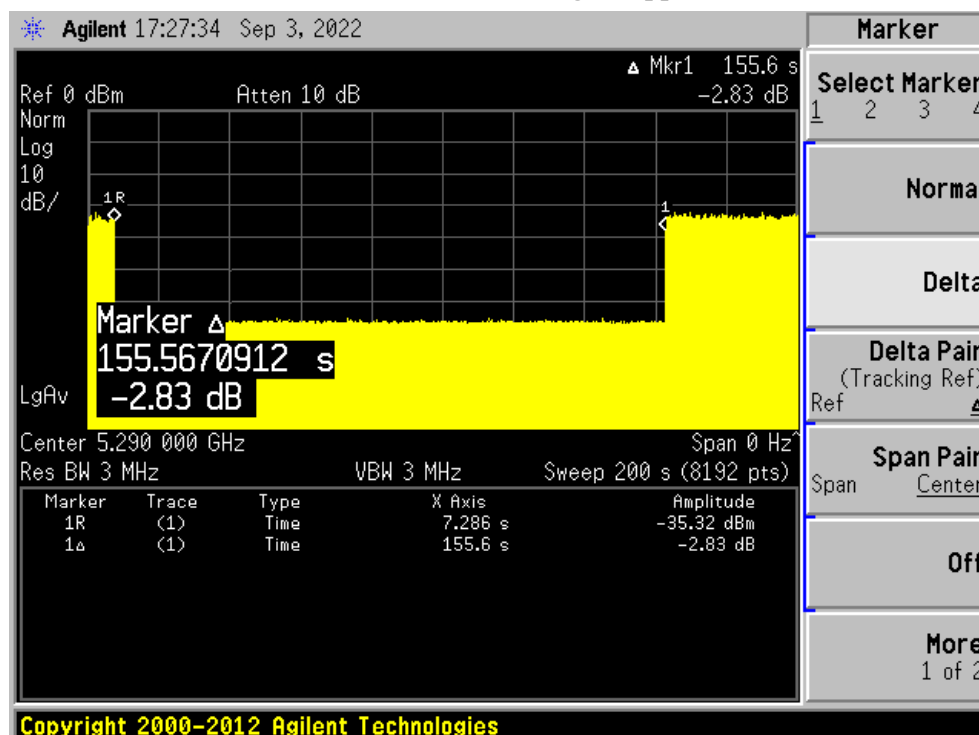
Test Frequency (MHz)	EUT initial Power-up cycle (Second)
5290	95.57

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

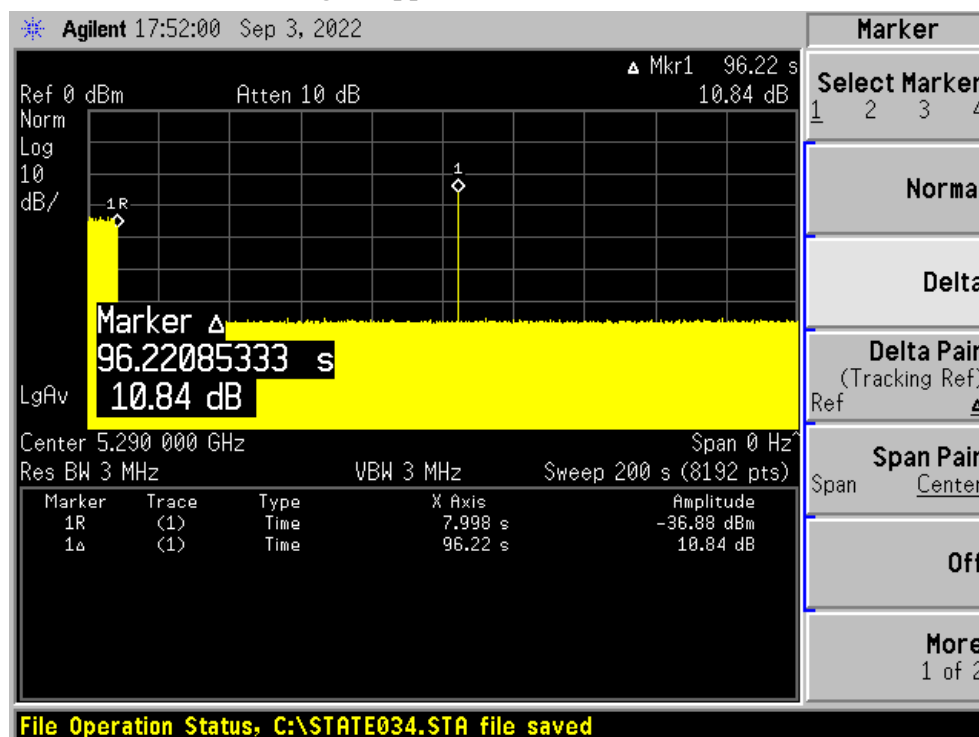
Please refer to the following plots.

Plot of without Radar signal applied

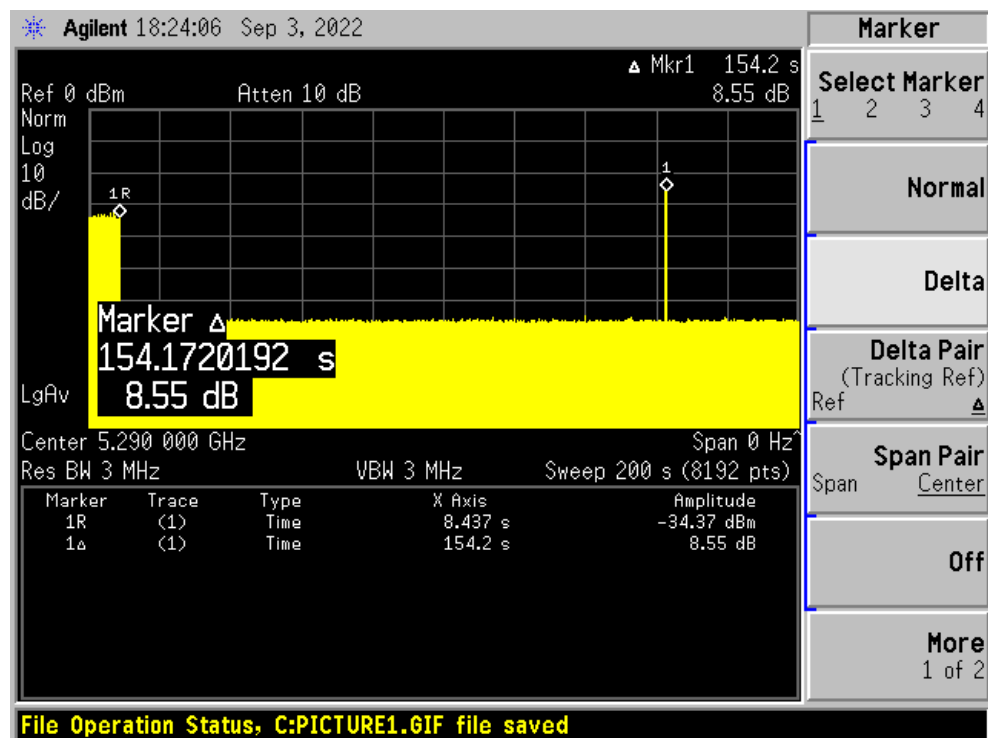


Note: The power-up cycle is 95.57 seconds.

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.

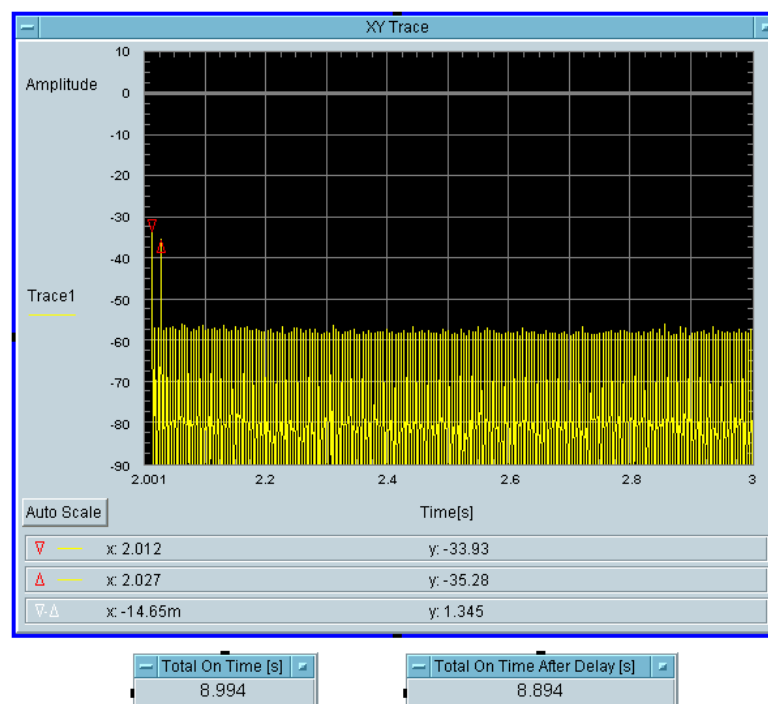
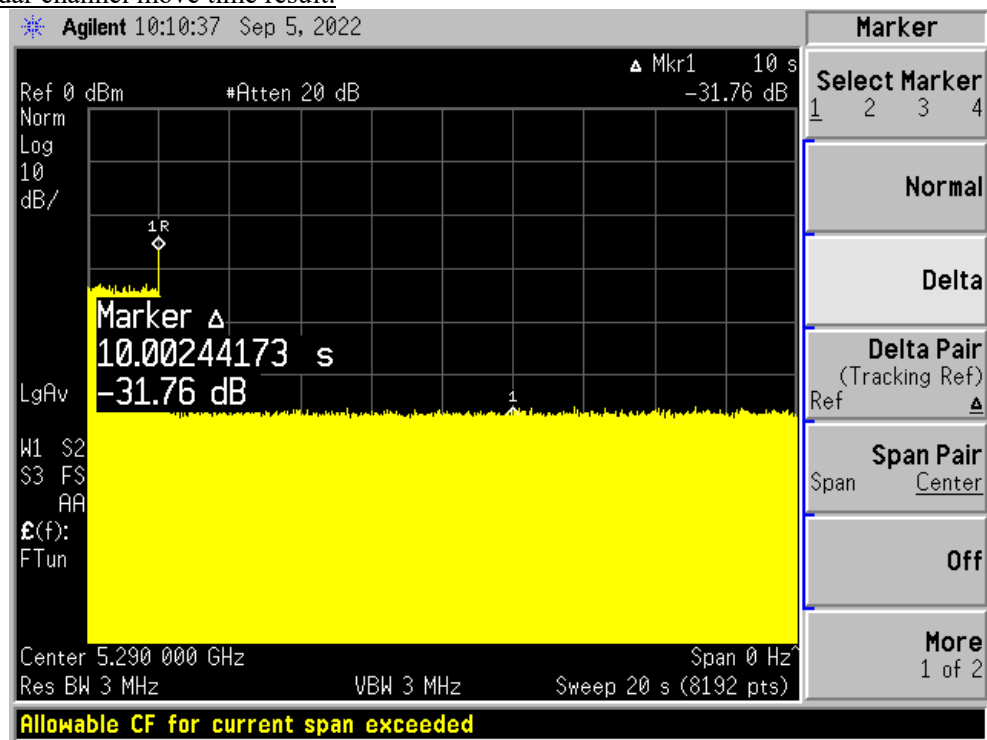
4.3.3 Results:

Type 0 radar channel move time result:

Channel Move Time (s)	Channel Move Time Limit (s)	Result
2.027	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	8.894	60	Pass

Type 0 radar channel move time result:

4.4 Non-occupancy Period

4.4.1 Test Procedure

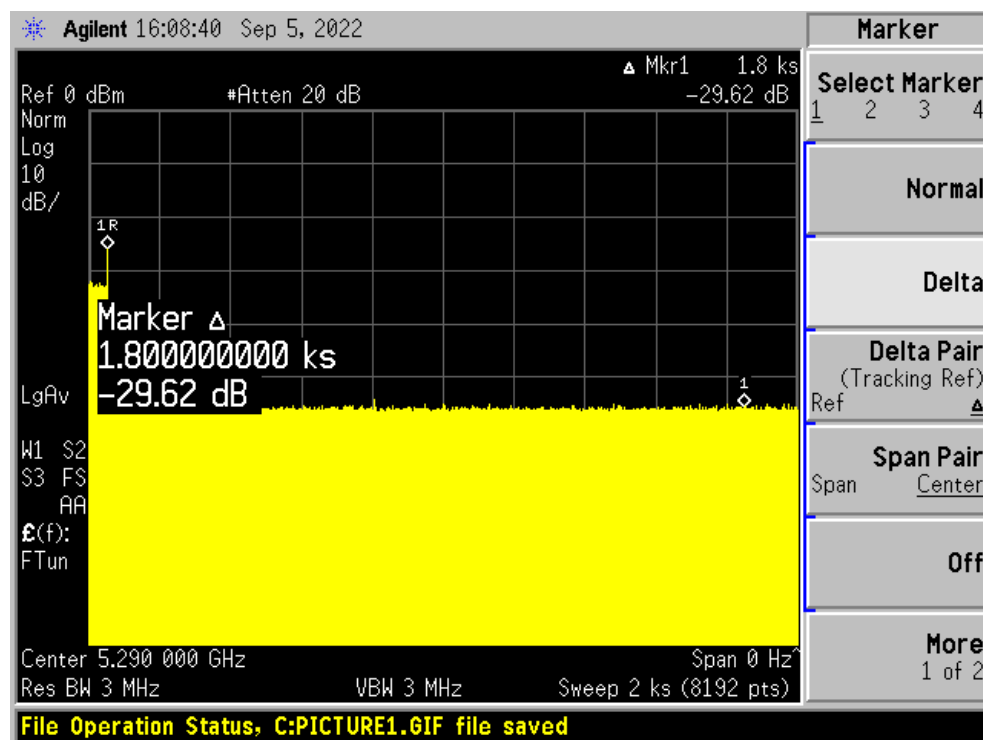
Measure the EUT for more than 30 minutes following the channel close/move time to verify that the EUT does not resume any transmissions on this channel. Provide one plot to demonstrate no transmission on the channel for the non-occupancy period (30 minutes observation time)

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:

$$U\text{-NII Detection Bandwidth} = F_H - F_L$$

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	19.002	100%	Compliance
5310	40	5290	5330	40	37.685	100%	Compliance
5290	80	5250	5330	80	76.647	100%	Compliance
5250	160	5250	5330	80	156.064*	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 (%)
5308	1	1	1	1	1	0	1	1	0	1	80 %
5309(F _L)	1	1	1	0	1	1	1	1	1	1	90 %
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(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5331	1	1	1	1	0	1	1	1	0	1	80%
Detection Bandwidth = F _H – F _L = 5330-5309 = 21MHz											
EUT 99% BW = 19.002 MHz											Result: Pass

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	1	1	0	1	1	0	1	1	80 %
5289(F _L)	1	1	1	1	1	1	1	0	1	1	90 %
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(F _H)	1	1	1	1	1	1	1	1	1	1	100 %
5331	1	1	1	1	1	0	0	1	1	1	80 %
Detection Bandwidth = F _H – F _L = 5330-5289 = 41 MHz											
EUT 99% BW = 37.685MHz;											Result: Pass

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_L)	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 (F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5331	1	1	1	1	1	1	0	1	0	1	80 %
Detection Bandwidth = $F_H - F_L = 5330 - 5250 = 80$ MHz											
EUT 99% BW = 76.647 MHz;											Result: Pass

160MHz Bandwidth, EUT Frequency = 5250 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_L)	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 (F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5331	1	1	1	1	0	1	1	1	1	0	80 %
Detection Bandwidth = $F_H - F_L = 5330 - 5250 = 80$ MHz											
EUT 99% BW = 156.064 MHz (Detection Bandwidth Covered all bandwidth fall into 5250-5350 MHz)											
Result: Pass											

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)**

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A	15	100%	60%	pass
Type 1B	15	93.3%	60%	pass
Type 2	30	93.3%	60%	Pass
Type 3	30	93.3%	60%	Pass
Type 4	30	96.7%	60%	Pass
Aggregate(Type1 to 4)	120	95%	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	78	1	678	1
2	5290	95	1	558	1
3	5290	59	1	898	1
4	5290	92	1	578	1
5	5290	67	1	798	1
6	5290	65	1	818	1
7	5290	83	1	638	1
8	5290	57	1	938	1
9	5290	81	1	658	1
10	5290	74	1	718	1
11	5290	63	1	838	1
12	5290	89	1	598	1
13	5290	86	1	618	1
14	5290	58	1	918	1
15	5290	72	1	738	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	60	1	892	1
2	5290	22	1	2483	1
3	5290	75	1	706	1
4	5290	79	1	672	1
5	5290	22	1	2407	1
6	5290	44	1	1200	1
7	5290	23	1	2327	1
8	5290	74	1	717	1
9	5290	43	1	1229	1
10	5290	24	1	2206	1
11	5290	46	1	1168	1
12	5290	46	1	1166	1
13	5290	22	1	2460	1
14	5290	27	1	1996	0
15	5290	30	1	1772	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	5290	26	1.5	182	1
2	5290	27	4	150	1
3	5290	27	2	179	1
4	5290	26	3.4	218	1
5	5290	25	4.2	157	1
6	5290	24	2.8	216	0
7	5290	23	1.3	168	1
8	5290	29	2.3	195	1
9	5290	27	2.5	150	1
10	5290	27	2	189	1
11	5290	28	4.1	213	1
12	5290	29	2.1	177	1
13	5290	25	3.1	193	1
14	5290	23	3.2	152	1
15	5290	27	2.6	166	1
16	5290	25	4.8	169	1
17	5290	26	4	222	1
18	5290	29	3.3	196	1
19	5290	26	2.8	195	1
20	5290	24	3.3	166	0
21	5290	24	3.9	174	1
22	5290	23	2.6	166	1
23	5290	28	3	156	1
24	5290	28	1.2	162	1
25	5290	23	3.8	215	1
26	5290	27	3.7	150	1
27	5290	24	1.9	203	1
28	5290	29	2.7	150	1
29	5290	29	2.7	219	1
30	5290	24	2.1	176	1
Detection Percentage: 93.3 % (>60%)					

Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	17	9.8	367	1
2	5290	17	6.4	206	1
3	5290	16	7.2	347	1
4	5290	17	9	347	0
5	5290	16	6	293	1
6	5290	16	8.1	418	0
7	5290	16	10	471	1
8	5290	17	8.1	398	1
9	5290	18	6.7	496	1
10	5290	18	6.7	316	1
11	5290	18	8.6	332	1
12	5290	17	8.3	423	1
13	5290	18	9	335	1
14	5290	16	9.7	395	1
15	5290	18	8.1	462	1
16	5290	18	9.9	424	1
17	5290	16	9.9	376	1
18	5290	16	7	436	1
19	5290	18	8.8	459	1
20	5290	17	9.4	390	1
21	5290	17	8	453	1
22	5290	17	6.4	238	1
23	5290	18	6.7	264	1
24	5290	18	8.2	482	1
25	5290	17	6.1	486	1
26	5290	17	9.6	214	1
27	5290	16	6.1	313	1
28	5290	16	8.4	203	1
29	5290	18	9.1	441	1
30	5290	17	9.7	220	1
Detection Percentage: 93.3% (>60%)					

Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	12	18.4	336	1
2	5290	12	14.4	470	0
3	5290	12	12.1	419	1
4	5290	16	18.1	367	1
5	5290	15	16.6	329	1
6	5290	16	17	456	1
7	5290	15	12.7	283	1
8	5290	15	19	468	1
9	5290	16	13.5	398	1
10	5290	13	11.8	208	1
11	5290	13	17.7	410	1
12	5290	15	12.4	406	1
13	5290	12	16.8	319	1
14	5290	13	17.1	404	1
15	5290	14	12.5	282	1
16	5290	16	13.9	342	1
17	5290	15	15.2	406	1
18	5290	14	16.2	204	1
19	5290	15	16.2	285	1
20	5290	16	19.4	360	1
21	5290	16	19.5	273	1
22	5290	13	11.2	401	1
23	5290	14	18.8	389	1
24	5290	12	14	266	1
25	5290	16	12.3	264	1
26	5290	14	17.3	365	1
27	5290	12	18.6	220	1
28	5290	13	16.4	468	1
29	5290	14	18.5	493	1
30	5290	16	13.5	211	1
Detection Percentage:96.7 % (>60%)					

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	2	14	66.4	1979		0.369763	1
1	3	14	74.1	1660	1567	2.085516	
2	1	14	92.4			3.443214	
3	3	14	65.4	1555	1134	4.256069	
4	1	14	55.4			5.185505	
5	3	14	75.8	1803	1966	6.371237	
6	2	14	99.5	1907		7.219597	
7	1	14	75.7			9.55626	
8	2	14	79.1	1170		10.052424	
9	1	14	95.6			11.576793	

Statistics 2 (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	1	16	87.3			0.516364	1
1	2	16	70.7	1052		1.058425	
2	2	16	63.8	1771		2.122387	
3	3	16	77.9	1128	1207	2.769761	
4	3	16	50.5	1938	1919	3.954474	
5	3	16	52.4	1284	1551	4.686199	
6	3	16	59.6	1381	1381	5.14179	
7	1	16	52.4			5.65724	
8	3	16	85.3	1516	1178	6.973507	
9	1	16	65.8			7.535066	
10	2	16	72.1	1406		8.460611	
11	2	16	63.1	1226		9.53675	
12	2	16	81.3	1488		9.674604	
13	2	16	78.7	1575		10.60814	
14	1	16	57.6			11.449802	

Statistics 3 (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	2	14	56.9	1751		0.032852	1
1	1	14	91.2			1.5113	
2	1	14	93.2			2.45146	
3	2	14	78	1161		3.004914	
4	3	14	53.5	1946	1466	3.8886	
5	3	14	87.2	1917	1219	4.87197	
6	2	14	92.9	1494		5.307106	
7	1	14	79			6.484073	
8	3	14	85.7	1197	1390	6.927403	
9	3	14	65.4	1322	1815	8.464728	
10	2	14	89.6	1753		8.967457	
11	3	14	89.8	1590	1618	9.649542	
12	3	14	61.1	1091	1900	10.993472	
13	2	14	55.7	1521		11.596693	

Statistics 4 (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	1	7	69.6			0.08817	1
1	2	7	68.3	1294		0.810601	
2	3	7	83	1552	1423	1.750201	
3	2	7	92.7	1300		2.065516	
4	2	7	50.9	1624		2.779058	
5	1	7	55.2			3.56696	
6	2	7	82.4	1177		3.773209	
7	2	7	83	1207		4.329191	
8	3	7	87.5	1054	1073	5.292109	
9	2	7	58.6	1591		5.984487	
10	1	7	78.6			6.060613	
11	2	7	79.4	1366		6.682223	
12	2	7	69.2	1623		7.693705	
13	1	7	53.4			7.832051	
14	3	7	95.2	1465	1827	8.847159	
15	2	7	95.1	1818		9.200155	
16	3	7	69	1698	1754	10.074508	
17	2	7	73.1	1122		10.77515	
18	2	7	53.2	1920		11.345285	
19	2	7	59.2	1661		11.523801	

Statistics 5(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	2	15	58	1454		0.060673	1
1	2	15	99.9	1063		1.251009	
2	3	15	58.6	1471	1354	1.414689	
3	3	15	86.7	1485	1471	2.5711	
4	3	15	87.1	1341	1963	3.243037	
5	3	15	67.7	1023	1645	3.558923	
6	1	15	56.8			4.772049	
7	1	15	70.6			5.460032	
8	3	15	52.3	1346	1572	6.14592	
9	3	15	60.7	1220	1033	6.449108	
10	2	15	59.3	1042		7.264485	
11	2	15	92.1	1468		8.447368	
12	3	15	55.3	1018	1288	8.857898	
13	1	15	71.4			9.406483	
14	2	15	91.1	1315		10.323642	
15	2	15	63.4	1168		11.112113	
16	1	15	54			11.521467	

Statistics 6 (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	2	9	70.2	1017		0.485364	1
1	2	9	55.1	1171		1.434319	
2	1	9	85			2.101092	
3	2	9	81.9	1174		2.265017	
4	2	9	63.5	1327		3.103002	
5	2	9	91.3	1494		4.269208	
6	3	9	69	1840	1696	4.749734	
7	1	9	88.9			5.948247	
8	3	9	68.4	1887	1356	6.151511	
9	2	9	53.8	1389		7.044151	
10	3	9	52.8	1526	1531	7.500696	
11	3	9	98.2	1618	1382	8.307247	
12	2	9	73.8	1742		9.234493	
13	2	9	81.5	1495		10.210603	
14	2	9	89.5	1905		10.90972	
15	1	9	69.5			11.797158	

Statistics 7(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	2	7	56.5	1580		0.769893	1
1	1	7	99.7			1.631397	
2	3	7	97.9	1819	1020	2.373838	
3	2	7	72.4	1166		2.772114	
4	1	7	93.2			4.020219	
5	3	7	88.2	1796	1321	5.294857	
6	3	7	76.9	1716	1235	6.306532	
7	2	7	55.8	1535		7.206113	
8	3	7	52.1	1255	1794	7.856592	
9	3	7	90.2	1317	1208	8.734011	
10	2	7	66.4	1112		10.099208	
11	2	7	82.2	1086		10.193637	
12	1	7	54.9			11.127465	

Statistics 8 (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	6	53.5	1178	1858	0.339922	1
1	2	6	70.7	1516		0.889794	
2	2	6	86.7	1237		1.266929	
3	3	6	90.4	1548	1021	2.396907	
4	1	6	70.3			2.608654	
5	2	6	88.8	1072		3.181816	
6	1	6	60			4.328817	
7	2	6	70.4	1718		4.541762	
8	2	6	74.1	1186		5.675707	
9	2	6	86	1698		6.032306	
10	2	6	92.3	1732		6.697056	
11	2	6	64.3	1714		7.047174	
12	1	6	59.4			8.133764	
13	2	6	64.7	1942		8.428116	
14	1	6	95.1			9.135213	
15	3	6	81.1	1545	1346	9.797491	
16	2	6	85.2	1979		10.112751	
17	2	6	73.5	1162		11.089034	
18	3	6	58.2	1407	1676	11.877901	

Statistics 9 (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	9	89.8	1737	1657	1.0382	1
1	2	9	81.5	1625		2.19536	
2	2	9	81.8	1550		3.674989	
3	1	9	83			4.973648	
4	3	9	75.4	1574	1486	6.448674	
5	2	9	51.5	1341		7.755029	
6	1	9	51.7			8.583483	
7	1	9	73.7			9.497099	
8	2	9	60.4	1593		11.426332	

Statistics 10 (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	11	71.7	1431	1885	0.106616	1
1	3	11	52.3	1980	1864	2.010013	
2	3	11	60.9	1616	1551	2.680695	
3	2	11	82	1067		4.071612	
4	2	11	75.1	1880		5.377348	
5	1	11	67.5			6.810753	
6	3	11	96.8	1838	1691	7.988307	
7	2	11	99.3	1121		8.616821	
8	2	11	99.7	1624		10.21933	
9	2	11	68.4	1355		11.443274	

Radar Type 5 Case 2 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5288.0 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	68.3			0.375221	1
1	2	19	95.7	1626		1.30765	
2	1	19	85.7			1.977874	
3	2	19	81.4	1908		2.31997	
4	2	19	73.6	1225		2.936316	
5	3	19	92.2	1120	1769	3.770782	
6	3	19	74.9	1369	1346	4.374674	
7	1	19	97.8			5.016526	
8	3	19	67.3	1368	1189	5.973016	
9	2	19	99	1105		6.088664	
10	1	19	93.9			6.960273	
11	2	19	56	1955		7.366862	
12	3	19	65.4	1148	1161	8.239571	
13	3	19	55.9	1288	1081	8.887332	
14	2	19	70.3	1318		9.798889	
15	1	19	63.3			10.190599	
16	1	19	82			11.017306	
17	2	19	96.6	1217		11.743223	

Statistics 2 (ChirpCenter Frequency: 5286.0 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	16	82.6	1688	1671	0.466713	1
1	3	16	98.6	1823	1244	1.042189	
2	1	16	73.7			1.445655	
3	2	16	90.3	1906		1.92569	
4	2	16	76.1	1010		2.855491	
5	2	16	90.8	1754		3.52988	
6	1	16	81.3			4.151646	
7	2	16	91.1	1077		4.494744	
8	2	16	67.7	1843		5.058243	
9	2	16	72.4	1473		5.750292	
10	1	16	69.7			6.018667	
11	2	16	80.4	1669		6.756658	
12	2	16	99.1	1184		7.618595	
13	3	16	69.7	1069	1455	7.985119	
14	1	16	71.3			8.730679	
15	2	16	97.7	1308		9.466851	
16	1	16	76.5			9.605594	
17	1	16	57.5			10.622929	
18	2	16	76.1	1271		10.904494	
19	2	16	61.1	1398		11.789945	

Statistics 3 (ChirpCenter Frequency: 5282.0 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	5	99.5	1773	1121	1.169011	1
1	2	5	84	1504		1.322823	
2	2	5	98.4	1528		3.010577	
3	1	5	89.6			3.794696	
4	2	5	56.8	1047		5.929585	
5	2	5	84.6	1397		7.07619	
6	2	5	93.7	1027		7.7167	
7	3	5	96.2	1341	1245	9.113275	
8	2	5	69.8	1061		10.14513	
9	1	5	62.6			11.64814	

Statistics 4 (ChirpCenter Frequency: 5284.0 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	71	1177		0.530825	1
1	1	9	93			1.644629	
2	2	9	66	1288		1.782525	
3	2	9	50.6	1638		3.251091	
4	2	9	53.8	1784		4.124411	
5	3	9	73.9	1105	1129	4.825298	
6	3	9	68.1	1659	1739	5.422516	
7	1	9	83.5			6.467849	
8	2	9	53.2	1133		7.110359	
9	1	9	59.1			7.734393	
10	1	9	79.3			8.731989	
11	1	9	50.8			10.241692	
12	2	9	92.8	1225		10.888265	
13	1	9	82.6			11.751641	

Statistics 5 (ChirpCenter Frequency: 5282.0 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	74.3	1006		0.363512	1
1	2	5	77.1	1065		1.013374	
2	2	5	54.3	1913		2.362753	
3	1	5	80.3			2.709664	
4	3	5	78.9	1497	1370	3.790962	
5	2	5	58.5	1793		4.5129	
6	2	5	94	1961		5.325978	
7	3	5	55.5	1148	1195	6.061152	
8	2	5	83.3	1111		6.907112	
9	2	5	83	1977		7.940063	
10	3	5	52.6	1162	1869	8.29517	
11	2	5	63.5	1528		9.5856	
12	2	5	83.3	1468		10.235782	
13	2	5	67.2	1405		11.041217	
14	1	5	56.9			11.542507	

Statistics 6 (ChirpCenter Frequency: 5284.0 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	86.2			0.5096	1
1	1	11	71.4			0.980764	
2	3	11	57.6	1897	1223	1.342725	
3	3	11	67.7	1162	1006	2.588669	
4	2	11	69.9	1178		3.256252	
5	2	11	71.9	1205		3.371995	
6	3	11	57.1	1524	1858	4.154408	
7	2	11	83.8	1931		5.138181	
8	2	11	55.7	1961		5.45533	
9	1	11	94.2			6.165543	
10	2	11	91.3	1462		7.324715	
11	2	11	70.4	1231		7.875	
12	3	11	86.2	1108	1886	8.147373	
13	2	11	69.9	1165		9.050185	
14	2	11	53.1	1417		9.673528	
15	2	11	84.5	1115		10.412587	
16	3	11	51.1	1261	1782	11.150512	
17	1	11	80.1			11.803687	

Statistics 7 (ChirpCenter Frequency: 5285.0 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	60.7			0.507913	1
1	2	12	68.3	1350		1.253368	
2	2	12	93.9	1009		2.328657	
3	2	12	85.6	1654		2.461182	
4	2	12	68.6	1768		3.300569	
5	2	12	87.4	1794		4.363113	
6	2	12	54.6	1729		4.959386	
7	2	12	79.4	1671		6.311085	
8	1	12	51.6			6.806221	
9	2	12	89.7	1445		7.495557	
10	2	12	99.2	1588		8.117874	
11	2	12	69.5	1669		9.164323	
12	3	12	74.4	1923	1009	10.384689	
13	1	12	98.2			11.091058	
14	1	12	82.1			11.418908	

Statistics 8 (ChirpCenter Frequency: 5284.0MHz)

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	87.6	1090		0.025218	1
1	2	10	83.8	1387		1.186114	
2	3	10	63.7	1019	1090	1.959615	
3	3	10	99.1	1241	1768	2.016239	
4	3	10	86.1	1684	1337	2.917398	
5	1	10	76			3.995817	
6	1	10	89.2			4.237644	
7	2	10	64	1555		5.059769	
8	3	10	73.3	1470	1927	5.423018	
9	1	10	70.6			6.007069	
10	1	10	80.8			6.915385	
11	1	10	78.9			7.853744	
12	2	10	70.2	1574		8.627392	
13	2	10	58.9	1587		9.29243	
14	3	10	74.2	1527	1118	9.681752	
15	3	10	83	1615	1501	10.480914	
16	1	10	68.4			10.921236	
17	2	10	53.7	1693		11.471479	

Statistics 9 (ChirpCenter Frequency: 5286.0 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	74.1			0.57647	1
1	2	15	93.2	1075		1.023538	
2	1	15	64.9			2.396634	
3	3	15	87.2	1090	1228	2.982313	
4	1	15	93			4.601912	
5	3	15	71.4	1696	1771	4.776493	
6	3	15	72.6	1085	1437	5.733513	
7	1	15	91.9			7.324404	
8	2	15	70.4	1557		8.300286	
9	1	15	58			8.644146	
10	2	15	57.5	1755		9.496073	
11	3	15	87.8	1641	1969	10.388364	
12	2	15	62.1	1199		11.448094	

Statistics 10 (ChirpCenter Frequency: 5285.0 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	94.1	1525	1824	0.371442	1
1	2	12	75.9	1073		1.142426	
2	2	12	81.7	1470		1.8803	
3	3	12	58.7	1717	1038	2.17177	
4	3	12	71.2	1982	1498	3.010348	
5	2	12	98.2	1983		3.610297	
6	3	12	70.7	1698	1149	4.280213	
7	2	12	56.6	1522		4.958432	
8	2	12	94.3	1652		5.282344	
9	2	12	62	1697		6.145214	
10	1	12	80.2			6.6779	
11	1	12	60.5			7.510576	
12	2	12	76.5	1075		7.961614	
13	1	12	71.9			8.275164	
14	2	12	90.4	1897		9.12909	
15	2	12	64	1926		9.805204	
16	2	12	65.3	1668		10.566454	
17	3	12	73.5	1880	1484	10.97769	
18	2	12	69.1	1615		11.446526	

Radar Type 5 Case 3 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5295.0 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	12	52.1	1644		0.463994	1
1	1	12	87.6			0.891489	
2	3	12	78.3	1937	1514	1.953228	
3	2	12	61.9	1284		2.949637	
4	2	12	62.2	1041		3.036797	
5	1	12	82.9			4.311157	
6	2	12	52.3	1285		4.971213	
7	2	12	97.1	1652		5.808613	
8	2	12	54.6	1805		6.323566	
9	2	12	54.5	1325		7.116463	
10	3	12	54.2	1841	1392	8.108864	
11	1	12	73.7			8.791176	
12	2	12	60.4	1469		9.293284	
13	2	12	85	1272		10.406771	
14	1	12	78.1			10.631916	
15	2	12	88.5	1029		11.308989	

Statistics 2 (ChirpCenter Frequency: 5295.0MHz)

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	12	63.1	1191		0.639395	1
1	1	12	51.9			1.050227	
2	2	12	67.6	1813		1.932451	
3	2	12	71.9	1409		2.289478	
4	1	12	99			2.667852	
5	2	12	58.7	1690		3.780783	
6	3	12	84.6	1048	1607	4.513193	
7	2	12	79.3	1080		4.852476	
8	3	12	97.8	1012	1546	5.546324	
9	2	12	58	1791		6.37474	
10	2	12	86.8	1165		6.811849	
11	1	12	57.3			7.967393	
12	2	12	61.3	1067		8.220762	
13	2	12	74.2	1870		8.758077	
14	2	12	84.3	1194		9.989865	
15	1	12	79.3			10.156098	
16	3	12	66.1	1573	1290	10.839962	
17	1	12	58.4			11.519609	

Statistics 3 (ChirpCenter Frequency: 5297.0MHz)

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	8	67.9	1764		0.705505	1
1	2	8	93.3	1643		1.260538	
2	1	8	78.9			1.887168	
3	2	8	93.4	1842		2.259333	
4	2	8	54.6	1382		3.052701	
5	2	8	55.1	1372		4.066561	
6	2	8	50.4	1751		4.615859	
7	3	8	91.8	1352	1673	5.426952	
8	2	8	87.7	1666		6.687505	
9	2	8	90.4	1193		6.768115	
10	1	8	86.1			7.581823	
11	1	8	96.5			8.428489	
12	3	8	62.6	1047	1958	9.259311	
13	1	8	91.7			9.996743	
14	2	8	84.4	1122		10.742415	
15	3	8	64.7	1795	1250	11.954694	

Statistics 4 (ChirpCenter Frequency: 5294.0MHz)

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	14	66.8	1881	1252	0.037408	1
1	1	14	88			0.958788	
2	1	14	70.5			1.638228	
3	3	14	84.1	1108	1195	2.725859	
4	2	14	54	1819		3.020191	
5	1	14	95.5			4.085668	
6	3	14	81.8	1760	1978	4.265294	
7	2	14	61.7	1538		5.429363	
8	3	14	72.5	1735	1508	5.955808	
9	3	14	89.2	1391	1365	6.933492	
10	2	14	67.2	1057		7.74386	
11	1	14	85.5			7.968687	
12	3	14	68.7	1184	1516	8.685085	
13	3	14	74.1	1740	1647	9.442163	
14	3	14	77	1112	1996	10.092053	
15	2	14	95.8	1818		10.697389	
16	3	14	82.9	1232	1619	11.465152	

Statistics 5 (ChirpCenter Frequency: 5295.0MHz)

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	12	92.6	1044		0.556735	1
1	1	12	81.8			1.43539	
2	3	12	77.7	1831	1219	1.933438	
3	2	12	77.2	1440		3.25244	
4	3	12	53.3	1084	1231	4.214465	
5	3	12	87.7	1703	1743	4.733946	
6	2	12	81.7	1887		6.379226	
7	2	12	54.9	1267		7.099671	
8	1	12	78.1			7.491059	
9	2	12	52.9	1581		8.756438	
10	3	12	90.9	1812	1372	9.26111	
11	3	12	98.3	1843	1349	10.497463	
12	2	12	92.6	1986		11.367202	

Statistics 6 (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	1	16	62.4			0.244924	1
1	2	16	57.9	1290		0.634391	
2	1	16	62.7			1.644639	
3	2	16	58.6	1698		1.89788	
4	2	16	95.6	1837		2.98134	
5	3	16	83.7	1042	1756	3.481743	
6	3	16	93.8	1874	1982	3.750951	
7	3	16	77.1	1976	1681	4.452463	
8	3	16	87.4	1940	1100	4.902842	
9	3	16	74.6	1321	1125	5.525879	
10	2	16	57.4	1670		6.466575	
11	3	16	77.2	1954	1429	7.119839	
12	1	16	83.5			7.315064	
13	2	16	54.8	1040		8.023918	
14	3	16	58.6	1150	1968	8.828534	
15	3	16	64.4	1392	1924	9.477912	
16	2	16	67.2	1232		10.132949	
17	2	16	70.5	1645		10.724728	
18	2	16	51.4	1466		10.929641	
19	2	16	71.8	1990		11.41586	

Statistics 7 (ChirpCenter Frequency: 5295.0 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	91.6			0.792387	1
1	1	13	85.3			1.326557	
2	2	13	79.8	1554		2.028335	
3	2	13	93.3	1080		2.405076	
4	3	13	79.7	1276	1785	3.609275	
5	2	13	94.9	1385		4.510797	
6	3	13	80.4	1879	1242	5.135968	
7	2	13	83.6	1103		6.17721	
8	2	13	97.7	1479		6.556192	
9	2	13	50.7	1842		7.958722	
10	1	13	97.3			8.181268	
11	3	13	98	1634	1026	9.220381	
12	3	13	82.8	1413	1659	9.636565	
13	1	13	79.7			11.127702	
14	3	13	99.2	1470	1732	11.718145	

Statistics 8 (ChirpCenter Frequency: 5293.0 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	53.9	1192		0.514982	1
1	2	17	74.4	1822		1.489181	
2	2	17	52.3	1609		2.409882	
3	3	17	70.7	1319	1393	2.671172	
4	3	17	88.2	1205	1740	3.731755	
5	2	17	56.5	1069		4.722247	
6	2	17	76.5	1131		5.674553	
7	2	17	87.5	1246		6.38228	
8	3	17	76.2	1330	1718	7.678959	
9	1	17	89.9			8.227935	
10	2	17	77.4	1006		9.422641	
11	2	17	94.8	1663		9.740099	
12	1	17	81.4			10.898132	
13	2	17	75.5	1519		11.824723	

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	3	11	80.5	1282	1518	0.414503	1
1	2	11	57.9	1841		1.791586	
2	2	11	88.9	1223		2.560946	
3	2	11	95	2000		3.307666	
4	3	11	61.9	1569	1473	4.902472	
5	1	11	79			5.061118	
6	2	11	93.2	1335		6.418641	
7	2	11	93.3	1655		7.586886	
8	2	11	57.7	1813		8.095348	
9	2	11	57.5	1435		9.470703	
10	2	11	61.9	1148		10.151001	
11	3	11	56.5	1465	1272	11.58447	

Statistics 10 (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	1	19	82.9			0.139625	1
1	3	19	92.3	1434	1855	1.715191	
2	3	19	62.7	1536	1460	3.641138	
3	2	19	57.1	1414		5.281654	
4	2	19	96.2	1006		6.636621	
5	3	19	53.9	1524	1089	7.990969	
6	1	19	60.2			9.211531	
7	2	19	76.8	1457		11.743115	

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	5311.0, 5258.0, 5340.0, 5460.0, 5317.0, 5492.0, 5542.0, 5438.0, 5394.0, 5483.0, 5612.0, 5452.0, 5383.0, 5592.0, 5363.0, 5381.0, 5538.0, 5537.0, 5636.0, 5603.0, 5393.0, 5378.0, 5473.0, 5256.0, 5274.0, 5580.0, 5330.0, 5601.0, 5699.0, 5338.0, 5668.0, 5251.0, 5520.0, 5548.0, 5674.0, 5682.0, 5430.0, 5586.0, 5526.0, 5671.0, 5419.0, 5464.0, 5391.0, 5632.0, 5568.0, 5662.0, 5670.0, 5533.0, 5529.0, 5582.0, 5392.0, 5308.0, 5604.0, 5321.0, 5664.0, 5657.0, 5488.0, 5406.0, 5469.0, 5609.0, 5522.0, 5417.0, 5461.0, 5390.0, 5302.0, 5611.0, 5518.0, 5261.0, 5597.0, 5414.0, 5651.0, 5715.0, 5589.0, 5351.0, 5262.0, 5705.0, 5544.0, 5665.0, 5347.0, 5377.0, 5359.0, 5708.0, 5484.0, 5353.0, 5350.0, 5416.0, 5491.0, 5471.0, 5635.0, 5466.0, 5559.0, 5675.0, 5477.0, 5368.0, 5515.0, 5551.0, 5633.0, 5259.0, 5486.0, 5621.0
2	5290	9	1	333	1	5703.0, 5330.0, 5672.0, 5582.0, 5558.0, 5497.0, 5602.0, 5348.0, 5380.0, 5332.0, 5719.0, 5370.0, 5485.0, 5521.0, 5437.0, 5483.0, 5401.0, 5448.0, 5513.0, 5600.0, 5417.0, 5315.0, 5391.0, 5285.0, 5438.0, 5698.0, 5693.0, 5666.0, 5335.0, 5366.0, 5277.0, 5494.0, 5317.0, 5534.0, 5638.0, 5624.0, 5424.0, 5539.0, 5375.0, 5409.0, 5504.0, 5647.0, 5501.0, 5489.0, 5517.0, 5636.0, 5632.0, 5570.0, 5447.0, 5280.0, 5562.0, 5374.0, 5535.0, 5390.0, 5413.0, 5527.0, 5461.0, 5435.0, 5434.0, 5488.0, 5543.0, 5701.0, 5481.0, 5326.0, 5442.0, 5358.0, 5564.0, 5294.0, 5581.0, 5560.0, 5465.0, 5498.0, 5723.0, 5575.0, 5311.0, 5443.0, 5578.0, 5629.0, 5466.0, 5586.0, 5608.0, 5323.0, 5289.0, 5536.0, 5325.0, 5462.0, 5524.0, 5585.0, 5681.0, 5631.0, 5458.0, 5643.0, 5711.0, 5493.0, 5473.0, 5695.0, 5594.0, 5557.0, 5475.0, 5430.0
3	5290	9	1	333	1	5355.0, 5390.0, 5445.0, 5566.0, 5638.0, 5622.0, 5558.0, 5539.0, 5713.0, 5333.0, 5665.0, 5620.0, 5592.0, 5476.0, 5608.0, 5585.0, 5568.0, 5682.0, 5599.0, 5315.0, 5700.0, 5613.0, 5297.0, 5641.0, 5602.0, 5426.0, 5598.0, 5402.0, 5485.0, 5659.0, 5400.0, 5394.0, 5683.0, 5302.0, 5671.0, 5371.0, 5397.0, 5496.0, 5491.0, 5322.0, 5687.0, 5644.0, 5442.0, 5701.0, 5565.0, 5533.0, 5339.0, 5505.0, 5706.0, 5642.0, 5643.0, 5681.0, 5423.0, 5526.0, 5723.0, 5460.0, 5356.0, 5501.0, 5342.0, 5661.0, 5697.0, 5516.0, 5578.0, 5548.0, 5467.0,

						5317.0, 5464.0, 5488.0, 5328.0, 5614.0, 5510.0, 5456.0, 5350.0, 5699.0, 5479.0, 5298.0, 5631.0, 5482.0, 5384.0, 5392.0, 5309.0, 5509.0, 5586.0, 5676.0, 5357.0, 5499.0, 5691.0, 5623.0, 5582.0, 5380.0, 5311.0, 5251.0, 5314.0, 5611.0, 5531.0, 5340.0, 5432.0, 5493.0, 5446.0, 5447.0
4	5290	9	1	333	1	5529.0, 5255.0, 5418.0, 5620.0, 5669.0, 5371.0, 5536.0, 5408.0, 5650.0, 5543.0, 5584.0, 5471.0, 5515.0, 5664.0, 5316.0, 5384.0, 5571.0, 5696.0, 5313.0, 5605.0, 5679.0, 5533.0, 5357.0, 5286.0, 5427.0, 5341.0, 5527.0, 5266.0, 5526.0, 5688.0, 5444.0, 5638.0, 5381.0, 5580.0, 5521.0, 5337.0, 5633.0, 5333.0, 5495.0, 5524.0, 5690.0, 5660.0, 5593.0, 5409.0, 5544.0, 5591.0, 5282.0, 5525.0, 5300.0, 5484.0, 5311.0, 5655.0, 5681.0, 5398.0, 5718.0, 5481.0, 5499.0, 5388.0, 5534.0, 5651.0, 5280.0, 5548.0, 5573.0, 5265.0, 5434.0, 5640.0, 5587.0, 5269.0, 5685.0, 5446.0, 5377.0, 5555.0, 5414.0, 5530.0, 5395.0, 5689.0, 5379.0, 5257.0, 5288.0, 5531.0, 5346.0, 5281.0, 5283.0, 5643.0, 5251.0, 5447.0, 5416.0, 5404.0, 5289.0, 5387.0, 5695.0, 5254.0, 5443.0, 5520.0, 5556.0, 5590.0, 5298.0, 5511.0, 5459.0, 5441.0
5	5290	9	1	333	1	5472.0, 5304.0, 5696.0, 5391.0, 5693.0, 5280.0, 5286.0, 5352.0, 5481.0, 5658.0, 5394.0, 5591.0, 5282.0, 5701.0, 5367.0, 5561.0, 5473.0, 5265.0, 5494.0, 5423.0, 5512.0, 5705.0, 5277.0, 5609.0, 5563.0, 5564.0, 5608.0, 5655.0, 5474.0, 5642.0, 5385.0, 5698.0, 5327.0, 5638.0, 5590.0, 5396.0, 5313.0, 5672.0, 5420.0, 5529.0, 5559.0, 5714.0, 5589.0, 5343.0, 5387.0, 5697.0, 5532.0, 5429.0, 5680.0, 5631.0, 5402.0, 5509.0, 5453.0, 5276.0, 5302.0, 5362.0, 5251.0, 5685.0, 5344.0, 5447.0, 5694.0, 5254.0, 5711.0, 5660.0, 5558.0, 5351.0, 5598.0, 5510.0, 5320.0, 5542.0, 5620.0, 5710.0, 5708.0, 5331.0, 5442.0, 5452.0, 5547.0, 5511.0, 5480.0, 5600.0, 5501.0, 5673.0, 5444.0, 5310.0, 5330.0, 5588.0, 5648.0, 5597.0, 5699.0, 5663.0, 5409.0, 5637.0, 5449.0, 5721.0, 5540.0, 5355.0, 5506.0, 5341.0, 5647.0, 5464.0
6	5290	9	1	333	1	5472.0, 5479.0, 5516.0, 5343.0, 5388.0, 5336.0, 5317.0, 5555.0, 5329.0, 5619.0, 5511.0, 5696.0, 5722.0, 5496.0, 5568.0, 5602.0, 5348.0, 5386.0, 5376.0, 5450.0, 5487.0, 5682.0, 5408.0, 5564.0, 5592.0, 5562.0, 5447.0, 5684.0, 5328.0, 5399.0, 5614.0, 5698.0, 5585.0, 5405.0, 5692.0, 5670.0, 5434.0, 5502.0, 5548.0, 5574.0, 5645.0, 5259.0, 5475.0, 5275.0, 5560.0, 5261.0, 5287.0, 5680.0, 5357.0, 5378.0, 5582.0, 5638.0, 5587.0, 5359.0, 5454.0, 5358.0, 5294.0, 5504.0, 5384.0, 5491.0,

						5561.0, 5439.0, 5685.0, 5383.0, 5459.0, 5591.0, 5601.0, 5345.0, 5588.0, 5620.0, 5557.0, 5545.0, 5420.0, 5686.0, 5319.0, 5632.0, 5470.0, 5583.0, 5435.0, 5280.0, 5451.0, 5651.0, 5466.0, 5691.0, 5718.0, 5653.0, 5515.0, 5494.0, 5657.0, 5401.0, 5414.0, 5626.0, 5469.0, 5368.0, 5429.0, 5606.0, 5658.0, 5303.0, 5254.0, 5530.0
7	5290	9	1	333	1	5529.0, 5251.0, 5399.0, 5657.0, 5315.0, 5311.0, 5289.0, 5509.0, 5601.0, 5334.0, 5297.0, 5500.0, 5389.0, 5319.0, 5462.0, 5442.0, 5276.0, 5316.0, 5557.0, 5659.0, 5269.0, 5314.0, 5551.0, 5636.0, 5587.0, 5504.0, 5577.0, 5438.0, 5371.0, 5391.0, 5546.0, 5622.0, 5340.0, 5715.0, 5609.0, 5433.0, 5300.0, 5591.0, 5342.0, 5360.0, 5501.0, 5563.0, 5626.0, 5683.0, 5573.0, 5480.0, 5404.0, 5359.0, 5599.0, 5349.0, 5362.0, 5522.0, 5521.0, 5637.0, 5475.0, 5574.0, 5560.0, 5703.0, 5286.0, 5544.0, 5627.0, 5508.0, 5375.0, 5571.0, 5307.0, 5510.0, 5619.0, 5447.0, 5594.0, 5693.0, 5655.0, 5333.0, 5713.0, 5677.0, 5268.0, 5470.0, 5473.0, 5414.0, 5532.0, 5716.0, 5686.0, 5570.0, 5688.0, 5487.0, 5253.0, 5358.0, 5498.0, 5696.0, 5516.0, 5559.0, 5670.0, 5664.0, 5409.0, 5419.0, 5518.0, 5556.0, 5613.0, 5354.0, 5603.0, 5706.0
8	5290	9	1	333	1	5261.0, 5447.0, 5660.0, 5624.0, 5564.0, 5605.0, 5298.0, 5302.0, 5643.0, 5651.0, 5706.0, 5357.0, 5668.0, 5334.0, 5707.0, 5291.0, 5373.0, 5600.0, 5312.0, 5260.0, 5428.0, 5523.0, 5493.0, 5537.0, 5705.0, 5383.0, 5319.0, 5413.0, 5349.0, 5340.0, 5544.0, 5526.0, 5253.0, 5352.0, 5681.0, 5604.0, 5630.0, 5303.0, 5315.0, 5656.0, 5443.0, 5662.0, 5438.0, 5674.0, 5255.0, 5491.0, 5466.0, 5378.0, 5535.0, 5718.0, 5471.0, 5437.0, 5449.0, 5269.0, 5715.0, 5387.0, 5321.0, 5577.0, 5531.0, 5332.0, 5324.0, 5506.0, 5338.0, 5614.0, 5521.0, 5661.0, 5636.0, 5702.0, 5634.0, 5420.0, 5400.0, 5414.0, 5599.0, 5515.0, 5570.0, 5422.0, 5404.0, 5562.0, 5685.0, 5679.0, 5635.0, 5607.0, 5595.0, 5436.0, 5412.0, 5377.0, 5542.0, 5273.0, 5441.0, 5419.0, 5497.0, 5294.0, 5484.0, 5593.0, 5699.0, 5721.0, 5511.0, 5479.0, 5719.0, 5698.0
9	5290	9	1	333	1	5683.0, 5702.0, 5317.0, 5316.0, 5368.0, 5267.0, 5380.0, 5649.0, 5717.0, 5420.0, 5620.0, 5279.0, 5278.0, 5492.0, 5365.0, 5311.0, 5601.0, 5584.0, 5322.0, 5283.0, 5542.0, 5493.0, 5290.0, 5419.0, 5520.0, 5656.0, 5570.0, 5565.0, 5472.0, 5331.0, 5305.0, 5603.0, 5440.0, 5344.0, 5514.0, 5629.0, 5573.0, 5476.0, 5415.0, 5614.0, 5460.0, 5423.0, 5681.0, 5519.0, 5634.0, 5443.0, 5711.0, 5547.0, 5292.0, 5502.0, 5618.0, 5496.0, 5653.0, 5405.0, 5619.0,

						5330.0, 5669.0, 5487.0, 5364.0, 5422.0, 5453.0, 5345.0, 5495.0, 5414.0, 5679.0, 5512.0, 5575.0, 5609.0, 5581.0, 5537.0, 5685.0, 5277.0, 5617.0, 5555.0, 5281.0, 5586.0, 5373.0, 5429.0, 5389.0, 5395.0, 5260.0, 5252.0, 5507.0, 5508.0, 5550.0, 5700.0, 5589.0, 5333.0, 5677.0, 5667.0, 5545.0, 5691.0, 5561.0, 5475.0, 5526.0, 5595.0, 5606.0, 5258.0, 5477.0, 5645.0
10	5290	9	1	333	1	5722.0, 5491.0, 5452.0, 5517.0, 5366.0, 5581.0, 5354.0, 5658.0, 5714.0, 5393.0, 5265.0, 5566.0, 5411.0, 5676.0, 5320.0, 5414.0, 5308.0, 5269.0, 5398.0, 5669.0, 5567.0, 5361.0, 5681.0, 5529.0, 5542.0, 5358.0, 5382.0, 5506.0, 5349.0, 5511.0, 5441.0, 5535.0, 5305.0, 5645.0, 5585.0, 5434.0, 5516.0, 5331.0, 5277.0, 5372.0, 5595.0, 5619.0, 5611.0, 5368.0, 5460.0, 5258.0, 5493.0, 5484.0, 5476.0, 5256.0, 5410.0, 5467.0, 5405.0, 5503.0, 5588.0, 5690.0, 5322.0, 5425.0, 5562.0, 5592.0, 5427.0, 5445.0, 5579.0, 5677.0, 5650.0, 5683.0, 5301.0, 5384.0, 5450.0, 5685.0, 5264.0, 5375.0, 5636.0, 5250.0, 5662.0, 5568.0, 5596.0, 5582.0, 5620.0, 5536.0, 5692.0, 5387.0, 5389.0, 5507.0, 5319.0, 5487.0, 5359.0, 5363.0, 5448.0, 5584.0, 5629.0, 5659.0, 5415.0, 5342.0, 5312.0, 5454.0, 5644.0, 5540.0, 5716.0, 5526.0
11	5290	9	1	333	1	5611.0, 5315.0, 5568.0, 5477.0, 5507.0, 5694.0, 5545.0, 5723.0, 5301.0, 5490.0, 5671.0, 5454.0, 5436.0, 5565.0, 5290.0, 5584.0, 5717.0, 5453.0, 5412.0, 5461.0, 5549.0, 5418.0, 5319.0, 5576.0, 5279.0, 5298.0, 5309.0, 5657.0, 5288.0, 5416.0, 5472.0, 5487.0, 5293.0, 5496.0, 5536.0, 5659.0, 5690.0, 5581.0, 5431.0, 5406.0, 5638.0, 5533.0, 5400.0, 5446.0, 5360.0, 5534.0, 5631.0, 5574.0, 5476.0, 5633.0, 5321.0, 5678.0, 5402.0, 5250.0, 5708.0, 5381.0, 5555.0, 5658.0, 5468.0, 5504.0, 5585.0, 5597.0, 5666.0, 5543.0, 5265.0, 5499.0, 5366.0, 5257.0, 5718.0, 5515.0, 5419.0, 5356.0, 5363.0, 5693.0, 5710.0, 5350.0, 5343.0, 5262.0, 5391.0, 5540.0, 5683.0, 5433.0, 5509.0, 5251.0, 5444.0, 5442.0, 5564.0, 5287.0, 5303.0, 5579.0, 5703.0, 5283.0, 5486.0, 5566.0, 5413.0, 5492.0, 5317.0, 5520.0, 5645.0, 5654.0
12	5290	9	1	333	1	5636.0, 5477.0, 5347.0, 5452.0, 5451.0, 5366.0, 5665.0, 5628.0, 5376.0, 5524.0, 5433.0, 5475.0, 5352.0, 5326.0, 5399.0, 5255.0, 5274.0, 5515.0, 5506.0, 5522.0, 5562.0, 5494.0, 5343.0, 5707.0, 5631.0, 5375.0, 5650.0, 5518.0, 5706.0, 5720.0, 5532.0, 5632.0, 5469.0, 5458.0, 5619.0, 5610.0, 5466.0, 5342.0, 5627.0, 5325.0, 5260.0, 5696.0, 5329.0, 5601.0, 5579.0, 5593.0, 5287.0, 5527.0, 5453.0, 5460.0,

						5592.0, 5422.0, 5584.0, 5620.0, 5275.0, 5718.0, 5434.0, 5261.0, 5668.0, 5299.0, 5676.0, 5489.0, 5294.0, 5683.0, 5423.0, 5482.0, 5473.0, 5360.0, 5303.0, 5369.0, 5512.0, 5485.0, 5663.0, 5662.0, 5624.0, 5577.0, 5320.0, 5549.0, 5373.0, 5520.0, 5265.0, 5557.0, 5633.0, 5304.0, 5681.0, 5580.0, 5501.0, 5542.0, 5429.0, 5337.0, 5363.0, 5719.0, 5671.0, 5324.0, 5558.0, 5670.0, 5420.0, 5528.0, 5437.0, 5546.0
13	5290	9	1	333	1	5362.0, 5542.0, 5440.0, 5473.0, 5535.0, 5524.0, 5322.0, 5253.0, 5638.0, 5411.0, 5702.0, 5610.0, 5703.0, 5707.0, 5451.0, 5514.0, 5633.0, 5530.0, 5711.0, 5438.0, 5263.0, 5519.0, 5310.0, 5325.0, 5428.0, 5491.0, 5385.0, 5349.0, 5580.0, 5469.0, 5648.0, 5502.0, 5678.0, 5297.0, 5666.0, 5388.0, 5713.0, 5252.0, 5543.0, 5255.0, 5603.0, 5386.0, 5403.0, 5686.0, 5489.0, 5378.0, 5490.0, 5460.0, 5278.0, 5364.0, 5634.0, 5652.0, 5383.0, 5338.0, 5270.0, 5593.0, 5654.0, 5430.0, 5447.0, 5664.0, 5398.0, 5442.0, 5350.0, 5608.0, 5259.0, 5487.0, 5463.0, 5615.0, 5659.0, 5358.0, 5578.0, 5526.0, 5356.0, 5306.0, 5484.0, 5572.0, 5476.0, 5685.0, 5320.0, 5323.0, 5676.0, 5300.0, 5421.0, 5267.0, 5522.0, 5612.0, 5528.0, 5382.0, 5357.0, 5500.0, 5492.0, 5351.0, 5272.0, 5346.0, 5512.0, 5370.0, 5660.0, 5647.0, 5328.0, 5692.0
14	5290	9	1	333	1	5307.0, 5345.0, 5252.0, 5581.0, 5412.0, 5426.0, 5505.0, 5475.0, 5335.0, 5415.0, 5376.0, 5692.0, 5490.0, 5447.0, 5590.0, 5311.0, 5464.0, 5479.0, 5686.0, 5425.0, 5528.0, 5361.0, 5393.0, 5611.0, 5545.0, 5575.0, 5446.0, 5455.0, 5462.0, 5562.0, 5429.0, 5413.0, 5386.0, 5454.0, 5392.0, 5655.0, 5411.0, 5624.0, 5595.0, 5687.0, 5547.0, 5354.0, 5364.0, 5305.0, 5654.0, 5355.0, 5395.0, 5639.0, 5663.0, 5362.0, 5621.0, 5476.0, 5613.0, 5387.0, 5714.0, 5358.0, 5294.0, 5524.0, 5478.0, 5341.0, 5460.0, 5513.0, 5401.0, 5658.0, 5266.0, 5496.0, 5325.0, 5556.0, 5259.0, 5494.0, 5322.0, 5391.0, 5702.0, 5293.0, 5477.0, 5309.0, 5540.0, 5499.0, 5594.0, 5379.0, 5473.0, 5638.0, 5283.0, 5492.0, 5467.0, 5320.0, 5487.0, 5683.0, 5596.0, 5369.0, 5527.0, 5521.0, 5634.0, 5667.0, 5706.0, 5537.0, 5441.0, 5469.0, 5303.0, 5390.0
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21	5290	9	1	333	1	5508.0, 5604.0, 5377.0, 5699.0, 5400.0, 5419.0, 5602.0, 5262.0, 5403.0, 5577.0, 5404.0, 5663.0, 5360.0, 5296.0, 5710.0, 5353.0, 5430.0, 5545.0, 5270.0, 5371.0, 5611.0, 5381.0, 5327.0, 5253.0, 5407.0, 5526.0, 5446.0, 5601.0, 5600.0, 5268.0, 5350.0, 5641.0, 5528.0, 5606.0, 5324.0,

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22	5290	9	1	333	1	5623.0, 5323.0, 5374.0, 5364.0, 5667.0, 5262.0, 5376.0, 5443.0, 5342.0, 5620.0, 5534.0, 5661.0, 5433.0, 5362.0, 5629.0, 5541.0, 5365.0, 5391.0, 5536.0, 5555.0, 5426.0, 5335.0, 5666.0, 5358.0, 5601.0, 5664.0, 5625.0, 5616.0, 5673.0, 5654.0, 5641.0, 5400.0, 5440.0, 5343.0, 5298.0, 5270.0, 5657.0, 5711.0, 5278.0, 5439.0, 5395.0, 5688.0, 5512.0, 5637.0, 5513.0, 5722.0, 5605.0, 5336.0, 5404.0, 5459.0, 5498.0, 5297.0, 5287.0, 5670.0, 5458.0, 5255.0, 5540.0, 5464.0, 5591.0, 5295.0, 5344.0, 5608.0, 5474.0, 5454.0, 5572.0, 5554.0, 5388.0, 5638.0, 5281.0, 5291.0, 5478.0, 5428.0, 5446.0, 5444.0, 5613.0, 5263.0, 5442.0, 5337.0, 5345.0, 5286.0, 5709.0, 5628.0, 5356.0, 5569.0, 5686.0, 5511.0, 5252.0, 5719.0, 5425.0, 5269.0, 5466.0, 5697.0, 5494.0, 5483.0, 5311.0, 5690.0, 5644.0, 5299.0, 5671.0, 5412.0
23	5290	9	1	333	1	5462.0, 5428.0, 5488.0, 5702.0, 5515.0, 5599.0, 5298.0, 5473.0, 5336.0, 5687.0, 5546.0, 5252.0, 5429.0, 5461.0, 5548.0, 5662.0, 5334.0, 5555.0, 5578.0, 5622.0, 5316.0, 5299.0, 5494.0, 5625.0, 5282.0, 5694.0, 5465.0, 5602.0, 5560.0, 5487.0, 5607.0, 5291.0, 5280.0, 5346.0, 5707.0, 5646.0, 5407.0, 5368.0, 5678.0, 5279.0, 5527.0, 5679.0, 5382.0, 5665.0, 5723.0, 5533.0, 5667.0, 5277.0, 5660.0, 5700.0, 5396.0, 5539.0, 5559.0, 5491.0, 5289.0, 5262.0, 5508.0, 5685.0, 5307.0, 5571.0, 5503.0, 5341.0, 5721.0, 5640.0, 5714.0, 5276.0, 5683.0, 5591.0, 5349.0, 5340.0, 5692.0, 5253.0, 5708.0, 5347.0, 5381.0, 5366.0, 5710.0, 5427.0, 5251.0, 5637.0, 5415.0, 5506.0, 5305.0, 5352.0, 5549.0, 5621.0, 5400.0, 5654.0, 5531.0, 5502.0, 5448.0, 5636.0, 5435.0, 5628.0, 5632.0, 5361.0, 5395.0, 5434.0, 5664.0, 5704.0
24	5290	9	1	333	1	5360.0, 5621.0, 5255.0, 5695.0, 5413.0, 5528.0, 5620.0, 5641.0, 5295.0, 5514.0, 5653.0, 5698.0, 5270.0, 5517.0, 5257.0, 5586.0, 5643.0, 5498.0, 5369.0, 5463.0, 5637.0, 5581.0, 5595.0, 5542.0, 5505.0, 5407.0, 5425.0, 5544.0, 5309.0, 5294.0,

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26	5290	9	1	333	1	5491.0, 5566.0, 5442.0, 5295.0, 5544.0, 5465.0, 5409.0, 5614.0, 5329.0, 5564.0, 5714.0, 5375.0, 5466.0, 5588.0, 5632.0, 5469.0, 5488.0, 5389.0, 5294.0, 5337.0, 5686.0, 5478.0, 5341.0, 5531.0, 5335.0, 5273.0, 5642.0, 5591.0, 5431.0, 5523.0, 5624.0, 5590.0, 5257.0, 5283.0, 5533.0, 5582.0, 5402.0, 5669.0, 5444.0, 5391.0, 5336.0, 5252.0, 5280.0, 5305.0, 5587.0, 5437.0, 5430.0, 5720.0, 5651.0, 5497.0, 5321.0, 5490.0, 5603.0, 5265.0, 5331.0, 5493.0, 5683.0, 5473.0, 5457.0, 5537.0, 5403.0, 5715.0, 5684.0, 5699.0, 5359.0, 5467.0, 5463.0, 5647.0, 5505.0, 5453.0, 5332.0, 5708.0, 5476.0, 5261.0, 5380.0, 5426.0, 5407.0, 5562.0, 5653.0, 5312.0, 5674.0, 5660.0, 5521.0, 5619.0, 5358.0, 5574.0, 5517.0, 5658.0, 5649.0, 5381.0, 5314.0, 5361.0, 5475.0, 5415.0, 5492.0, 5349.0, 5328.0, 5399.0, 5429.0, 5260.0
27	5290	9	1	333	1	5546.0, 5572.0, 5611.0, 5690.0, 5457.0, 5562.0, 5299.0, 5380.0, 5598.0, 5638.0, 5703.0, 5287.0, 5282.0, 5505.0, 5361.0, 5676.0, 5580.0, 5488.0, 5551.0, 5707.0, 5665.0, 5578.0, 5532.0, 5420.0, 5541.0,

						5428.0, 5421.0, 5403.0, 5314.0, 5372.0, 5554.0, 5484.0, 5700.0, 5262.0, 5711.0, 5427.0, 5522.0, 5610.0, 5387.0, 5285.0, 5364.0, 5294.0, 5264.0, 5306.0, 5724.0, 5415.0, 5544.0, 5692.0, 5582.0, 5261.0, 5462.0, 5339.0, 5587.0, 5289.0, 5485.0, 5696.0, 5402.0, 5593.0, 5321.0, 5607.0, 5643.0, 5502.0, 5602.0, 5534.0, 5375.0, 5389.0, 5693.0, 5445.0, 5510.0, 5461.0, 5596.0, 5584.0, 5568.0, 5519.0, 5618.0, 5312.0, 5430.0, 5716.0, 5594.0, 5250.0, 5599.0, 5475.0, 5648.0, 5346.0, 5658.0, 5704.0, 5492.0, 5697.0, 5496.0, 5600.0, 5709.0, 5528.0, 5397.0, 5259.0, 5416.0, 5432.0, 5358.0, 5454.0, 5569.0, 5469.0
28	5290	9	1	333	1	5459.0, 5285.0, 5570.0, 5504.0, 5724.0, 5576.0, 5258.0, 5619.0, 5632.0, 5334.0, 5421.0, 5306.0, 5645.0, 5432.0, 5324.0, 5678.0, 5375.0, 5669.0, 5478.0, 5463.0, 5253.0, 5585.0, 5718.0, 5427.0, 5560.0, 5714.0, 5256.0, 5481.0, 5420.0, 5673.0, 5670.0, 5336.0, 5299.0, 5289.0, 5529.0, 5530.0, 5300.0, 5677.0, 5270.0, 5703.0, 5440.0, 5567.0, 5363.0, 5288.0, 5380.0, 5557.0, 5534.0, 5268.0, 5499.0, 5468.0, 5317.0, 5601.0, 5329.0, 5641.0, 5549.0, 5483.0, 5531.0, 5608.0, 5321.0, 5410.0, 5273.0, 5303.0, 5255.0, 5252.0, 5559.0, 5266.0, 5533.0, 5328.0, 5519.0, 5457.0, 5629.0, 5554.0, 5419.0, 5384.0, 5276.0, 5438.0, 5418.0, 5513.0, 5290.0, 5526.0, 5653.0, 5491.0, 5394.0, 5652.0, 5356.0, 5409.0, 5602.0, 5701.0, 5663.0, 5464.0, 5606.0, 5635.0, 5325.0, 5618.0, 5411.0, 5407.0, 5408.0, 5414.0, 5580.0, 5302.0
29	5290	9	1	333	1	5709.0, 5593.0, 5511.0, 5446.0, 5313.0, 5657.0, 5545.0, 5427.0, 5711.0, 5422.0, 5395.0, 5406.0, 5685.0, 5646.0, 5253.0, 5638.0, 5303.0, 5392.0, 5432.0, 5316.0, 5477.0, 5671.0, 5701.0, 5425.0, 5698.0, 5363.0, 5381.0, 5421.0, 5403.0, 5495.0, 5326.0, 5301.0, 5294.0, 5583.0, 5493.0, 5673.0, 5419.0, 5302.0, 5659.0, 5366.0, 5542.0, 5628.0, 5325.0, 5260.0, 5552.0, 5486.0, 5571.0, 5642.0, 5420.0, 5710.0, 5444.0, 5716.0, 5475.0, 5468.0, 5655.0, 5254.0, 5409.0, 5359.0, 5340.0, 5295.0, 5527.0, 5715.0, 5503.0, 5639.0, 5410.0, 5622.0, 5592.0, 5439.0, 5494.0, 5559.0, 5308.0, 5595.0, 5447.0, 5259.0, 5281.0, 5666.0, 5536.0, 5591.0, 5661.0, 5329.0, 5287.0, 5690.0, 5307.0, 5550.0, 5629.0, 5356.0, 5441.0, 5652.0, 5372.0, 5351.0, 5423.0, 5498.0, 5683.0, 5479.0, 5651.0, 5321.0, 5386.0, 5393.0, 5274.0, 5296.0
30	5290	9	1	333	1	5538.0, 5640.0, 5543.0, 5611.0, 5539.0, 5567.0, 5279.0, 5602.0, 5553.0, 5540.0, 5280.0, 5534.0, 5362.0, 5536.0, 5253.0, 5283.0, 5582.0, 5300.0, 5354.0, 5510.0,

						5426.0, 5305.0, 5428.0, 5651.0, 5511.0, 5267.0, 5619.0, 5275.0, 5674.0, 5378.0, 5561.0, 5261.0, 5589.0, 5263.0, 5422.0, 5541.0, 5408.0, 5578.0, 5622.0, 5338.0, 5577.0, 5464.0, 5630.0, 5624.0, 5262.0, 5277.0, 5462.0, 5502.0, 5478.0, 5687.0, 5514.0, 5363.0, 5653.0, 5257.0, 5559.0, 5695.0, 5404.0, 5331.0, 5616.0, 5286.0, 5472.0, 5595.0, 5623.0, 5356.0, 5696.0, 5318.0, 5699.0, 5714.0, 5255.0, 5635.0, 5625.0, 5282.0, 5429.0, 5446.0, 5641.0, 5370.0, 5608.0, 5711.0, 5352.0, 5722.0, 5681.0, 5568.0, 5303.0, 5698.0, 5441.0, 5460.0, 5413.0, 5347.0, 5454.0, 5670.0, 5525.0, 5523.0, 5421.0, 5416.0, 5620.0, 5700.0, 5392.0, 5563.0, 5679.0, 5657.0
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80MHz

Radar SignalType	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A	15	100%	60%	pass
Type 1B	15	93.3 %	60%	pass
Type 2	30	96.7 %	60%	Pass
Type 3	30	100%	60%	Pass
Type 4	30	96.7 %	60%	Pass
Aggregate (Type1 to 4)	120	97.5 %	80%	Pass
Type 5	120	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	70	1	758	1
2	5290	81	1	658	1
3	5290	89	1	598	1
4	5290	99	1	538	1
5	5290	72	1	738	1
6	5290	83	1	638	1
7	5290	92	1	578	1
8	5290	57	1	938	1
9	5290	61	1	878	1
10	5290	68	1	778	1
11	5290	78	1	678	1
12	5290	65	1	818	1
13	5290	86	1	618	1
14	5290	76	1	698	1
15	5290	63	1	838	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	35	1	1522	1
2	5290	43	1	1249	1
3	5290	22	1	2513	1
4	5290	90	1	590	1
5	5290	31	1	1730	1
6	5290	90	1	591	1
7	5290	26	1	2078	1
8	5290	66	1	805	1
9	5290	32	1	1700	1
10	5290	27	1	1971	1
11	5290	99	1	534	1
12	5290	20	1	2776	1
13	5290	30	1	1794	1
14	5290	40	1	1351	1
15	5290	19	1	2887	0
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	5290	29	2.4	186	1
2	5290	23	1.7	167	1
3	5290	28	1.9	181	1
4	5290	25	3.6	169	1
5	5290	25	2.4	153	1
6	5290	26	3.6	225	1
7	5290	29	3.6	172	1
8	5290	26	1.4	150	1
9	5290	27	1.6	162	1
10	5290	28	1.3	151	1
11	5290	26	2.3	201	1
12	5290	25	2.1	220	1
13	5290	24	2.3	182	1
14	5290	29	4	177	1
15	5290	26	3.2	197	1
16	5290	24	3.4	208	1
17	5290	24	2.2	180	1
18	5290	25	4.2	197	1
19	5290	23	4.2	185	1
20	5290	23	4.2	219	1
21	5290	29	1.3	195	1
22	5290	28	1.5	208	1
23	5290	23	1.6	171	0
24	5290	25	2.8	229	1
25	5290	23	2.7	203	1
26	5290	24	2.7	181	1
27	5290	25	1.9	172	1
28	5290	28	2	202	1
29	5290	24	1.8	170	1
30	5290	23	4.6	153	1
Detection Percentage: 96.7 % (>60%)					

Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	18	6.9	368	1
2	5290	18	9.2	306	1
3	5290	16	7.5	443	1
4	5290	18	6	267	1
5	5290	17	9.1	234	1
6	5290	16	9.5	412	1
7	5290	17	7	497	1
8	5290	16	8.4	283	1
9	5290	18	6	487	1
10	5290	17	7.5	303	1
11	5290	16	8.9	298	1
12	5290	17	7.6	275	1
13	5290	18	7.5	346	1
14	5290	17	6.8	243	1
15	5290	18	9.4	260	1
16	5290	16	7.7	274	1
17	5290	18	9.1	418	1
18	5290	17	9	356	1
19	5290	17	9.4	371	1
20	5290	18	9.6	224	1
21	5290	17	6.9	393	1
22	5290	16	6	314	1
23	5290	16	7	293	1
24	5290	18	7.4	452	1
25	5290	17	6.1	490	1
26	5290	18	9.7	486	1
27	5290	17	7.2	376	1
28	5290	17	8.4	491	1
29	5290	18	7.4	306	1
30	5290	17	7.1	327	1
Detection Percentage: 100% (>60%)					

Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	12	13.7	334	1
2	5290	12	18	442	1
3	5290	16	15.4	230	1
4	5290	16	13.5	320	1
5	5290	14	11.5	205	1
6	5290	15	12.2	329	1
7	5290	12	11	234	1
8	5290	15	16.3	206	1
9	5290	14	15.5	372	1
10	5290	15	15.7	302	1
11	5290	13	14.4	291	1
12	5290	15	19.2	222	1
13	5290	13	11.3	467	1
14	5290	15	11.2	222	1
15	5290	14	11.5	353	1
16	5290	13	17.2	218	1
17	5290	13	18.1	260	1
18	5290	13	19	294	0
19	5290	14	18.3	311	1
20	5290	16	17	243	1
21	5290	15	15.7	415	1
22	5290	13	17.9	222	1
23	5290	14	16.9	443	1
24	5290	15	12	338	1
25	5290	15	14.8	411	1
26	5290	16	11.3	409	1
27	5290	16	16.3	303	1
28	5290	14	17.3	286	1
29	5290	16	14.1	460	1
30	5290	16	16.8	311	1
Detection Percentage: 96.7% (>60%)					

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	7	65.9	1796	1096	1.062388	1
1	3	7	63.1	1815	1829	1.572685	
2	3	7	82.7	1805	1318	3.887507	
3	2	7	58	1179		5.111271	
4	3	7	58	1899	1665	5.707176	
5	1	7	92.4			7.864676	
6	2	7	84.5	1486		8.851399	
7	3	7	95.1	1427	1515	9.974288	
8	2	7	58.9	1668		11.57485	

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	2	8	90.3	1727		0.353255	1
1	2	8	77.6	1994		2.990368	
2	2	8	50.5	1246		3.645848	
3	3	8	92.9	1124	1720	4.931111	
4	3	8	81.4	1330	1207	6.499146	
5	2	8	84.4	1175		7.704227	
6	2	8	71.9	1292		9.359096	
7	2	8	67.7	1102		11.074103	

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	66.1	1702		0.552452	1
1	3	11	98.7	1977	1388	1.205172	
2	2	11	62.3	1027		1.900628	
3	2	11	50.9	1818		3.088094	
4	3	11	96.5	1584	1410	3.343217	
5	1	11	56.8			4.350776	
6	1	11	88			4.895118	
7	2	11	74.5	1406		5.63847	
8	3	11	58.5	1350	1790	6.588733	
9	3	11	66.7	1874	1853	7.299009	
10	1	11	54.7			8.600538	
11	2	11	83	1495		9.014301	
12	1	11	55.4			9.940559	
13	2	11	85.3	1045		10.687694	
14	1	11	99.8			11.925011	

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	5	82.3	1255		0.553566	1
1	2	5	75.1	1855		1.806978	
2	2	5	80.6	1763		2.621442	
3	2	5	63.3	1078		3.786221	
4	2	5	68.8	1104		4.807492	
5	3	5	72.4	1491	1812	5.330452	
6	2	5	59.5	1423		6.893547	
7	1	5	50.5			7.462848	
8	2	5	89.1	1968		8.339941	
9	2	5	71.7	1242		9.027188	
10	2	5	78.5	1020		10.804961	
11	2	5	64.9	1038		11.518709	

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	2	11	69.1	1159		0.14529	1
1	1	11	72.6			1.781792	
2	1	11	95.2			2.564021	
3	3	11	88.4	1172	1497	4.178387	
4	1	11	79.9			5.734875	
5	2	11	94	1281		6.08735	
6	3	11	56.5	1797	1946	7.637367	
7	2	11	89.2	1088		9.08377	
8	2	11	73.9	1230		9.823196	
9	2	11	67.4	1624		11.113271	

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	10	87.4	1179		0.628478	1
1	1	10	97.4			1.476667	
2	3	10	52.2	1665	1861	2.26689	
3	3	10	55.3	1658	1606	2.621831	
4	3	10	60.2	1068	1477	3.811449	
5	1	10	76.7			4.68271	
6	2	10	96.9	1174		5.939101	
7	1	10	83			6.034642	
8	2	10	59.1	1365		7.66492	
9	2	10	97.1	1858		7.718397	
10	2	10	83.8	1963		8.966519	
11	2	10	50.5	1033		9.885807	
12	1	10	94.5			10.900502	
13	2	10	69.7	1146		11.927857	

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	6	81.3	1938		0.421274	1
1	3	6	90.3	1586	1451	1.35507	
2	2	6	83.4	1239		2.029814	
3	1	6	94.1			2.273385	
4	2	6	74.8	1587		3.181286	
5	1	6	51.9			4.056902	
6	1	6	60.7			4.917638	
7	1	6	56.2			4.993881	
8	1	6	92.7			5.845094	
9	2	6	53.8	1114		6.968367	
10	1	6	58.3			7.297067	
11	2	6	62.8	1419		8.436651	
12	2	6	80.2	1059		9.022337	
13	2	6	98.7	1148		9.20385	
14	2	6	60.5	1289		9.971404	
15	3	6	94.8	1020	1409	11.276314	
16	3	6	95.4	1482	1499	11.301051	

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	1	13	89.2			0.505062	1
1	2	13	81.8	1648		1.214334	
2	2	13	52.7	1977		2.955341	
3	2	13	50.4	1264		3.367666	
4	2	13	56	1569		4.288001	
5	2	13	70	1716		5.356056	
6	2	13	83.6	1286		6.6362	
7	1	13	95.4			7.754885	
8	3	13	72.1	1593	1872	8.179568	
9	2	13	79.7	1504		9.657348	
10	3	13	85.1	1473	1830	10.054587	
11	2	13	60.2	1180		11.327272	

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	2	13	54.8	1834		0.283479	1
1	2	13	71.3	1402		1.168306	
2	3	13	87.4	1875	1290	1.651772	
3	2	13	90.3	1357		2.037563	
4	3	13	82.1	1496	1076	3.009876	
5	1	13	50.5			3.418331	
6	2	13	99.6	1912		4.235503	
7	2	13	67	1057		4.526047	
8	3	13	69.1	1166	1518	5.106637	
9	1	13	57			6.011842	
10	2	13	85.8	1480		6.4291	
11	1	13	81.2			7.171588	
12	3	13	62.9	1900	1430	7.768643	
13	3	13	57.2	1135	1203	8.692856	
14	2	13	67.1	1594		9.400744	
15	2	13	99.5	1612		10.063309	
16	3	13	82.1	1144	1606	10.174812	
17	1	13	69.7			10.898186	
18	3	13	92.1	1083	1115	11.73428	

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	1	8	71.8			0.389043	1
1	2	8	80.1	1708		1.132723	
2	3	8	84.2	1397	1990	1.268169	
3	2	8	78.2	1007		2.220572	
4	2	8	99.6	1622		2.800628	
5	1	8	98.3			3.391132	
6	1	8	96.1			3.65253	
7	2	8	90.4	1105		4.660479	
8	2	8	52.1	1495		4.927207	
9	1	8	83.8			5.532149	
10	2	8	77.9	1445		6.54808	
11	1	8	64			6.899773	
12	2	8	91.7	1387		7.631795	
13	2	8	52.6	1622		8.264176	
14	2	8	92	1092		8.859096	
15	1	8	62.5			9.162287	
16	3	8	55	1984	1197	10.002886	
17	2	8	97.3	1736		10.330802	
18	2	8	78.6	1388		10.857129	
19	2	8	93.3	1429		11.935125	

Radar Type 5 Case 2 Statistical Performance

Statistics 1 (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	14	87.7	1920	1020	0.506122	1
1	2	14	56.8	1848		1.126131	
2	3	14	73	1985	1986	1.71253	
3	3	14	85.1	1942	1315	2.443558	
4	2	14	50.5	1985		3.16394	
5	3	14	87.6	1411	1479	3.759589	
6	3	14	87.8	1156	1200	4.578475	
7	1	14	98.8			4.872761	
8	2	14	98.3	1071		5.826087	
9	3	14	68.9	1627	1364	6.519604	
10	3	14	59.9	1057	1608	6.744978	
11	2	14	81	1791		7.928084	
12	1	14	90.4			8.174748	
13	1	14	67.6			8.771973	
14	1	14	57.4			9.455061	
15	2	14	68.4	1832		10.343906	
16	2	14	73.9	1346		11.082205	
17	2	14	76.5	1041		11.48538	

Statistics 2 (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	76.8	1141		0.288135	1
1	1	10	91.4			1.392889	
2	3	10	62.7	1323	1364	2.335588	
3	2	10	62	1522		3.003534	
4	2	10	58.5	1115		3.482061	
5	3	10	68	1795	1472	4.345893	
6	3	10	95	1600	1112	5.509296	
7	1	10	52			6.012008	
8	2	10	57.9	1951		7.153515	
9	3	10	93.8	1608	1115	7.744603	
10	2	10	93.1	1657		9.280248	
11	2	10	84.1	1860		9.533401	
12	3	10	88.2	1715	1058	10.460813	
13	1	10	75			11.592737	

Statistics 3 (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	7	87.1	1815		0.846658	1
1	2	7	68.9	1672		1.113192	
2	1	7	67.6			2.643036	
3	2	7	67.9	1129		3.691565	
4	1	7	54.5			4.571027	
5	1	7	70.1			5.404273	
6	1	7	60.9			6.330791	
7	1	7	94.7			7.920423	
8	3	7	73.6	1874	1397	8.152333	
9	1	7	81.8			9.482574	
10	2	7	74.1	1135		10.269867	
11	1	7	84.2			11.862115	

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	11	70.9	1667		0.617759	1
1	2	11	60.3	1399		1.112463	
2	2	11	86.5	1460		1.719264	
3	1	11	94.9			2.422918	
4	1	11	52.6			2.769037	
5	2	11	54.3	1262		3.784679	
6	2	11	56.1	1024		4.435502	
7	2	11	66.6	1935		5.268353	
8	3	11	61.2	1354	1813	5.58064	
9	2	11	81.2	1490		6.549531	
10	2	11	82.7	1413		7.091807	
11	1	11	57.8			7.83116	
12	2	11	63.1	1756		8.310921	
13	2	11	81.4	1548		9.066192	
14	2	11	94.9	1894		9.786434	
15	3	11	54.4	1248	1351	10.226659	
16	2	11	80.4	1430		11.034604	
17	3	11	58.4	1171	1907	11.865044	

Statistics 5 (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	61.8	1105		0.966472	1
1	2	8	93.5	1896		1.622871	
2	1	8	86.4			2.960426	
3	2	8	96.4	1707		4.349101	
4	2	8	93	1781		4.841005	
5	2	8	88	1487		5.64315	
6	1	8	80.7			7.538568	
7	2	8	57.8	1295		8.709489	
8	2	8	59.1	1167		8.873017	
9	2	8	63	1315		10.784686	
10	1	8	75.9			11.859162	

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	2	19	99.6	1625		0.044057	1
1	2	19	56.1	1288		0.808766	
2	2	19	87.8	1928		1.734229	
3	2	19	91.7	1659		2.411449	
4	3	19	80.2	1309	1635	2.538799	
5	2	19	74.1	1411		3.423606	
6	3	19	64	1317	1122	3.985422	
7	1	19	81.1			4.695539	
8	1	19	67.4			5.133297	
9	2	19	89	1819		5.971795	
10	2	19	67.2	1833		6.728381	
11	1	19	85.8			7.348044	
12	2	19	94.9	1778		8.172247	
13	2	19	78.7	1128		8.535433	
14	3	19	65.3	1663	1175	9.085202	
15	2	19	69.1	1627		9.991448	
16	2	19	95.4	1421		10.196034	
17	3	19	54.9	1344	1469	11.276267	
18	3	19	88.9	1251	1871	11.632058	

Statistics 7 (ChirpCenter Frequency: 5258.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	20	84.4			0.000435	1
1	3	20	77.9	1250	1223	2.268596	
2	1	20	72.6			3.1283	
3	2	20	65.2	1020		5.009565	
4	2	20	65.1	1884		6.366839	
5	2	20	84.3	1703		8.03694	
6	2	20	61	1484		10.480253	
7	2	20	50.3	1735		11.738676	
8	3	17	66.4	1439	1544	6.523302	
9	2	17	69.2	1531		7.047115	
10	1	17	91.7			7.602963	
11	2	17	56.2	1210		8.603961	
12	1	17	57.6			9.233743	
13	2	17	99.6	1458		10.110526	
14	1	17	98.7			10.819550	
15	2	17	92.2	1158		11.981230	

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	1	8	83.1			0.251174	1
1	1	8	69.9			0.649003	
2	2	8	65	1677		1.392863	
3	1	8	86.4			2.179082	
4	2	8	50.9	1750		2.693434	
5	3	8	88.7	1885	1014	3.433021	
6	1	8	57.5			3.738106	
7	1	8	81.8			4.519735	
8	2	8	65.5	1583		5.234339	
9	3	8	93	1955	1836	5.669447	
10	3	8	50.7	1953	1336	6.464339	
11	2	8	72.7	1844		6.935115	
12	1	8	64.2			7.502778	
13	1	8	72.5			8.099759	
14	3	8	71.9	1948	1608	8.748339	
15	2	8	52.2	1406		9.046118	
16	2	8	53.2	1065		9.669978	
17	2	8	91.9	1563		10.26412	
18	1	8	90.9			10.823253	
19	2	8	70	1536		11.852925	

Statistics 9 (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	83.3	1485		0.705174	1
1	2	20	70.3	1870		1.775799	
2	2	20	77.3	1721		2.548215	
3	2	20	93	1423		4.102051	
4	2	20	86.7	1877		5.249829	
5	2	20	61.6	1988		6.199917	
6	2	20	89.9	1043		6.795215	
7	1	20	58.6			7.878058	
8	2	20	84.5	1005		9.611402	
9	2	20	84.9	1017		10.312941	
10	1	20	94.7			11.035762	

Statistics 10 (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	3	11	59.4	1236	1761	0.571378	1
1	1	11	66.7			1.255151	
2	2	11	53.4	1508		1.887653	
3	2	11	57.9	1164		2.696397	
4	2	11	53.7	1527		3.257568	
5	2	11	78.9	1311		3.601091	
6	3	11	52.1	1535	1521	4.749805	
7	1	11	61.7			5.1959	
8	3	11	53	1810	1397	5.894912	
9	2	11	75.8	1642		6.862066	
10	2	11	93.1	1465		7.108653	
11	2	11	69.6	1886		8.050545	
12	3	11	99.9	1324	1971	8.869058	
13	1	11	69.6			9.576899	
14	3	11	76.8	1487	1159	10.357236	
15	2	11	71.7	1481		11.165573	
16	2	11	83	1688		11.704167	

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	2	5	55.4	1362		0.355872	1
1	2	5	55.2	1572		1.310677	
2	2	5	66	1636		2.075191	
3	3	5	73.1	1534	1471	2.264912	
4	3	5	52.9	1402	1956	3.149727	
5	3	5	94	1420	1507	3.901597	
6	2	5	76.4	1236		5.068802	
7	2	5	87.5	1565		5.679121	
8	2	5	57.4	1103		6.253844	
9	2	5	70.2	1477		7.137752	
10	2	5	91.1	1153		7.54255	
11	2	5	95.1	1206		8.697976	
12	1	5	61.1			9.030218	
13	3	5	92.5	1225	1592	10.436983	
14	3	5	82.4	1985	1732	10.993877	
15	2	5	70.3	1439		11.893043	

Statistics 2 (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	2	6	61.6	1218		0.532115	1
1	1	6	81.7			0.788011	
2	1	6	95.7			1.831228	
3	2	6	72.5	1959		2.654386	
4	2	6	91.4	1774		3.723598	
5	2	6	91.7	1399		4.194851	
6	1	6	79.7			4.50657	
7	3	6	68.7	1576	1772	5.623659	
8	1	6	54.4			6.605161	
9	2	6	90.5	1325		7.350411	
10	2	6	69.6	1776		7.950674	
11	2	6	67.1	1583		8.578048	
12	2	6	72.4	1598		9.305513	
13	3	6	59.3	1180	1170	10.377625	
14	1	6	65.2			10.866522	
15	2	6	61.6	1219		11.916191	

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	10	51.6	1580	1596	0.53696	1
1	1	10	83.4			1.097222	
2	1	10	64.6			1.318647	
3	1	10	61			1.951076	
4	1	10	97.5			2.596763	
5	3	10	86.3	1496	1839	3.355717	
6	1	10	89.7			4.136293	
7	2	10	72.9	1276		4.264488	
8	1	10	66.2			5.201014	
9	2	10	74.1	1479		5.699433	
10	2	10	79.8	1832		6.187949	
11	2	10	88.1	1369		6.679817	
12	2	10	53.2	1230		7.53686	
13	2	10	97	1942		8.311754	
14	3	10	70.1	1578	1750	8.506689	
15	3	10	68.1	1234	1427	9.093766	
16	2	10	54.6	1850		9.687835	
17	2	10	78.4	1093		10.296211	
18	1	10	81.1			10.918689	
19	2	10	76.1	1700		11.603101	

Statistics 4 (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	2	5	52.9	1522		0.02967	1
1	2	5	81.4	1937		1.494308	
2	3	5	100	1531	1709	2.12293	
3	3	5	50.4	1327	1020	2.742306	
4	1	5	77.2			3.864285	
5	1	5	73.3			4.267668	
6	1	5	99.4			5.24769	
7	2	5	72.9	1897		6.106646	
8	3	5	85.9	1362	1990	6.686698	
9	2	5	61	1794		7.67094	
10	1	5	56.4			8.051012	
11	2	5	50.1	1740		9.202738	
12	1	5	97.1			10.091183	
13	2	5	55.4	1390		11.069137	
14	2	5	99.6	1632		11.372754	

Statistics 5 (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	91.7	1294	1364	0.095243	1
1	1	14	86.8			0.97778	
2	2	14	82.6	1580		1.659447	
3	2	14	63.5	1736		2.095929	
4	2	14	61.6	1306		2.59012	
5	3	14	69.6	1707	1542	3.572556	
6	1	14	98			4.024371	
7	3	14	74.4	1795	1564	4.612316	
8	2	14	88	1609		5.582373	
9	2	14	88.3	1224		6.052829	
10	3	14	92.1	1372	1051	6.741331	
11	1	14	80.8			7.519011	
12	2	14	86	1052		7.631173	
13	2	14	54.8	1286		8.687796	
14	1	14	74.7			9.468332	
15	3	14	81.2	1721	1075	9.592169	
16	3	14	70	1223	1622	10.481286	
17	2	14	71.1	1650		10.944578	
18	2	14	88.4	1586		11.841165	

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	2	14	51.4	1948		1.12602	1
1	2	14	87.3	1415		2.551236	
2	2	14	77.8	1134		2.867241	
3	1	14	86.5			4.886731	
4	2	14	96.1	1608		5.731039	
5	2	14	72.3	1236		7.053762	
6	3	14	55.6	1266	1374	8.438376	
7	2	14	89.7	1925		10.157283	
8	1	14	66.7			11.617025	

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	1	16	92.9			0.545962	1
1	1	16	57.2			0.86962	
2	1	16	62.8			2.252301	
3	1	16	82.8			3.174049	
4	2	16	96.2	1285		3.827572	
5	2	16	75	1713		5.048594	
6	2	16	56.7	1932		5.572618	
7	2	16	97.8	1169		6.343564	
8	2	16	89.5	1819		7.628238	
9	2	16	65.4	1995		8.054947	
10	2	16	98.3	1671		8.752543	
11	3	16	92.2	1039	1771	9.558247	
12	2	16	75.9	1952		10.535058	
13	2	16	65.8	1644		11.208555	

Statistics 8 (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	1	7	59.5			0.074581	1
1	1	7	55			2.193702	
2	3	7	63.6	1487	1018	2.676699	
3	2	7	76.9	1125		4.686823	
4	1	7	59.4			4.898264	
5	2	7	68.9	1401		7.036527	
6	3	7	97.2	1535	1901	8.133538	
7	2	7	93.4	1320		8.647916	
8	3	7	54.2	1333	1574	10.725662	
9	3	7	60.1	1078	1129	11.671331	

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	3	10	63.2	1379	1603	0.972098	1
1	3	10	59.8	1339	1350	1.190341	
2	1	10	86.6			2.94081	
3	1	10	70			3.44696	
4	2	10	79.4	1436		5.153774	
5	1	10	73.9			6.211745	
6	1	10	71.8			7.105857	
7	1	10	53.1			8.62107	
8	2	10	94.4	1517		9.732862	
9	3	10	89.6	1910	1605	10.129318	
10	1	10	66.1			11.376695	

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	1	12	85.8			0.357181	1
1	2	12	52.8	1807		2.077773	
2	1	12	56.5			2.696948	
3	1	12	58.1			4.436978	
4	3	12	59.2	1617	1598	4.858346	
5	2	12	61	1150		6.414902	
6	2	12	74.1	1890		7.911401	
7	1	12	98.3			9.073126	
8	1	12	74.5			10.475718	
9	1	12	53.2			10.888695	

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	5567.0, 5716.0, 5445.0, 5253.0, 5462.0, 5433.0, 5467.0, 5628.0, 5527.0, 5368.0, 5381.0, 5411.0, 5513.0, 5342.0, 5680.0, 5443.0, 5497.0, 5447.0, 5572.0, 5529.0, 5544.0, 5702.0, 5625.0, 5569.0, 5426.0, 5495.0, 5255.0, 5347.0, 5312.0, 5402.0, 5359.0, 5328.0, 5291.0, 5468.0, 5321.0, 5686.0, 5512.0, 5339.0, 5549.0, 5615.0, 5642.0, 5491.0, 5367.0, 5586.0, 5550.0, 5554.0, 5541.0, 5301.0, 5323.0, 5277.0, 5582.0, 5579.0, 5576.0, 5262.0, 5287.0, 5406.0, 5276.0, 5522.0, 5540.0, 5573.0, 5721.0, 5311.0, 5257.0, 5270.0, 5652.0, 5720.0, 5610.0, 5307.0, 5630.0, 5343.0, 5635.0, 5524.0, 5444.0, 5254.0, 5267.0, 5506.0, 5265.0, 5645.0, 5637.0, 5388.0, 5531.0, 5559.0, 5458.0, 5661.0, 5344.0, 5723.0, 5479.0, 5674.0, 5624.0, 5450.0, 5466.0, 5304.0, 5403.0, 5687.0, 5353.0, 5508.0, 5461.0, 5693.0, 5341.0, 5372.0
2	5290	9	1	333	1	5662.0, 5363.0, 5485.0, 5302.0, 5635.0, 5344.0, 5416.0, 5401.0, 5693.0, 5618.0, 5436.0, 5286.0, 5306.0, 5253.0, 5304.0, 5571.0, 5522.0, 5384.0, 5460.0, 5370.0, 5266.0, 5692.0, 5413.0, 5567.0, 5258.0, 5351.0, 5377.0, 5561.0, 5600.0, 5672.0, 5532.0, 5327.0, 5449.0, 5380.0, 5535.0, 5387.0, 5264.0, 5505.0, 5300.0, 5362.0, 5438.0, 5422.0, 5507.0, 5586.0, 5414.0, 5378.0, 5530.0, 5544.0, 5704.0, 5319.0, 5259.0, 5365.0, 5614.0, 5576.0, 5613.0, 5649.0, 5695.0, 5711.0, 5359.0, 5595.0, 5650.0, 5656.0, 5382.0, 5627.0, 5546.0, 5470.0, 5431.0, 5560.0, 5364.0, 5516.0, 5472.0, 5345.0, 5343.0, 5554.0, 5262.0, 5279.0, 5653.0, 5444.0, 5493.0, 5680.0, 5509.0, 5547.0, 5459.0, 5324.0, 5552.0, 5441.0, 5291.0, 5252.0, 5701.0, 5457.0, 5301.0, 5587.0, 5697.0, 5706.0, 5366.0, 5540.0, 5315.0, 5543.0, 5254.0, 5284.0
3	5290	9	1	333	1	5382.0, 5276.0, 5562.0, 5432.0, 5603.0, 5625.0, 5483.0, 5351.0, 5615.0, 5258.0, 5550.0, 5544.0, 5608.0, 5280.0, 5526.0, 5571.0, 5709.0, 5281.0, 5516.0, 5345.0, 5253.0, 5485.0, 5471.0, 5675.0, 5397.0, 5693.0, 5476.0, 5494.0, 5461.0, 5358.0, 5342.0, 5568.0, 5714.0, 5407.0, 5267.0, 5282.0, 5576.0, 5663.0, 5528.0, 5717.0, 5601.0, 5595.0, 5599.0, 5605.0, 5400.0, 5679.0, 5353.0, 5720.0, 5300.0, 5321.0, 5446.0, 5701.0, 5622.0, 5268.0, 5409.0, 5656.0, 5535.0, 5695.0, 5482.0, 5499.0, 5607.0, 5348.0, 5660.0, 5278.0, 5343.0, 5403.0, 5390.0, 5696.0, 5383.0, 5466.0

						5296.0, 5426.0, 5264.0, 5639.0, 5312.0, 5484.0, 5334.0, 5435.0, 5644.0, 5511.0, 5444.0, 5680.0, 5373.0, 5555.0, 5492.0, 5350.0, 5614.0, 5691.0, 5676.0, 5341.0, 5465.0, 5364.0, 5365.0, 5427.0, 5711.0, 5255.0, 5504.0, 5261.0, 5586.0, 5509.0
4	5290	9	1	333	1	5358.0, 5484.0, 5645.0, 5329.0, 5395.0, 5436.0, 5574.0, 5691.0, 5320.0, 5636.0, 5323.0, 5292.0, 5594.0, 5572.0, 5695.0, 5575.0, 5258.0, 5263.0, 5281.0, 5586.0, 5500.0, 5690.0, 5485.0, 5555.0, 5450.0, 5567.0, 5465.0, 5531.0, 5647.0, 5503.0, 5306.0, 5280.0, 5459.0, 5321.0, 5515.0, 5283.0, 5457.0, 5440.0, 5428.0, 5608.0, 5673.0, 5367.0, 5338.0, 5392.0, 5252.0, 5353.0, 5347.0, 5579.0, 5455.0, 5350.0, 5289.0, 5339.0, 5669.0, 5591.0, 5420.0, 5410.0, 5431.0, 5573.0, 5370.0, 5715.0, 5683.0, 5638.0, 5685.0, 5467.0, 5365.0, 5502.0, 5336.0, 5689.0, 5628.0, 5559.0, 5409.0, 5511.0, 5524.0, 5538.0, 5333.0, 5568.0, 5557.0, 5446.0, 5616.0, 5401.0, 5464.0, 5445.0, 5487.0, 5276.0, 5260.0, 5254.0, 5390.0, 5547.0, 5571.0, 5489.0, 5396.0, 5374.0, 5309.0, 5563.0, 5530.0, 5286.0, 5620.0, 5324.0, 5377.0, 5474.0
5	5290	9	1	333	1	5531.0, 5369.0, 5621.0, 5644.0, 5453.0, 5488.0, 5413.0, 5454.0, 5297.0, 5477.0, 5520.0, 5640.0, 5715.0, 5534.0, 5433.0, 5553.0, 5320.0, 5636.0, 5530.0, 5376.0, 5525.0, 5448.0, 5455.0, 5379.0, 5594.0, 5718.0, 5337.0, 5326.0, 5422.0, 5575.0, 5461.0, 5671.0, 5702.0, 5440.0, 5578.0, 5388.0, 5711.0, 5694.0, 5616.0, 5323.0, 5613.0, 5423.0, 5648.0, 5447.0, 5601.0, 5302.0, 5696.0, 5482.0, 5462.0, 5603.0, 5646.0, 5266.0, 5375.0, 5540.0, 5450.0, 5419.0, 5629.0, 5561.0, 5361.0, 5316.0, 5485.0, 5675.0, 5657.0, 5493.0, 5677.0, 5549.0, 5281.0, 5508.0, 5342.0, 5373.0, 5350.0, 5642.0, 5580.0, 5387.0, 5393.0, 5465.0, 5386.0, 5641.0, 5543.0, 5722.0, 5703.0, 5688.0, 5405.0, 5539.0, 5676.0, 5322.0, 5494.0, 5633.0, 5643.0, 5353.0, 5307.0, 5501.0, 5417.0, 5595.0, 5398.0, 5392.0, 5687.0, 5719.0, 5490.0, 5358.0
6	5290	9	1	333	1	5715.0, 5411.0, 5693.0, 5475.0, 5374.0, 5679.0, 5459.0, 5398.0, 5514.0, 5637.0, 5476.0, 5277.0, 5437.0, 5623.0, 5572.0, 5310.0, 5697.0, 5592.0, 5422.0, 5578.0, 5550.0, 5694.0, 5484.0, 5359.0, 5395.0, 5645.0, 5521.0, 5261.0, 5346.0, 5455.0, 5375.0, 5722.0, 5666.0, 5640.0, 5469.0, 5680.0, 5481.0, 5705.0, 5538.0, 5671.0, 5264.0, 5568.0, 5702.0, 5716.0, 5670.0, 5654.0, 5647.0, 5617.0, 5597.0, 5338.0, 5377.0, 5404.0, 5609.0, 5416.0, 5709.0, 5304.0, 5704.0, 5510.0, 5432.0, 5517.0, 5594.0, 5619.0, 5445.0, 5551.0, 5458.0,

						5460.0, 5291.0, 5365.0, 5536.0, 5457.0, 5436.0, 5624.0, 5354.0, 5662.0, 5426.0, 5513.0, 5299.0, 5672.0, 5320.0, 5278.0, 5363.0, 5256.0, 5547.0, 5503.0, 5622.0, 5472.0, 5610.0, 5628.0, 5339.0, 5717.0, 5424.0, 5554.0, 5470.0, 5546.0, 5367.0, 5480.0, 5674.0, 5409.0, 5341.0, 5711.0
7	5290	9	1	333	1	5337.0, 5655.0, 5534.0, 5414.0, 5524.0, 5716.0, 5582.0, 5617.0, 5266.0, 5723.0, 5697.0, 5348.0, 5324.0, 5554.0, 5482.0, 5252.0, 5283.0, 5607.0, 5314.0, 5548.0, 5573.0, 5413.0, 5648.0, 5341.0, 5614.0, 5270.0, 5262.0, 5574.0, 5514.0, 5407.0, 5429.0, 5539.0, 5437.0, 5528.0, 5355.0, 5498.0, 5453.0, 5542.0, 5296.0, 5523.0, 5463.0, 5720.0, 5382.0, 5346.0, 5559.0, 5590.0, 5313.0, 5696.0, 5415.0, 5507.0, 5446.0, 5338.0, 5394.0, 5438.0, 5257.0, 5466.0, 5698.0, 5610.0, 5645.0, 5375.0, 5646.0, 5557.0, 5629.0, 5432.0, 5474.0, 5455.0, 5274.0, 5351.0, 5640.0, 5691.0, 5471.0, 5362.0, 5371.0, 5702.0, 5701.0, 5656.0, 5603.0, 5676.0, 5305.0, 5436.0, 5424.0, 5275.0, 5606.0, 5367.0, 5435.0, 5639.0, 5475.0, 5385.0, 5587.0, 5440.0, 5425.0, 5527.0, 5404.0, 5516.0, 5312.0, 5398.0, 5395.0, 5267.0, 5700.0, 5533.0
8	5290	9	1	333	1	5273.0, 5518.0, 5271.0, 5512.0, 5500.0, 5403.0, 5412.0, 5331.0, 5333.0, 5540.0, 5496.0, 5438.0, 5611.0, 5594.0, 5689.0, 5659.0, 5539.0, 5503.0, 5409.0, 5253.0, 5535.0, 5447.0, 5477.0, 5639.0, 5585.0, 5721.0, 5630.0, 5516.0, 5525.0, 5417.0, 5458.0, 5326.0, 5307.0, 5695.0, 5269.0, 5597.0, 5382.0, 5373.0, 5699.0, 5492.0, 5646.0, 5466.0, 5505.0, 5567.0, 5356.0, 5589.0, 5514.0, 5361.0, 5311.0, 5547.0, 5616.0, 5541.0, 5367.0, 5571.0, 5301.0, 5657.0, 5263.0, 5532.0, 5523.0, 5542.0, 5293.0, 5334.0, 5429.0, 5565.0, 5482.0, 5313.0, 5627.0, 5464.0, 5711.0, 5257.0, 5357.0, 5375.0, 5401.0, 5551.0, 5270.0, 5602.0, 5366.0, 5681.0, 5706.0, 5694.0, 5457.0, 5708.0, 5533.0, 5416.0, 5297.0, 5560.0, 5306.0, 5692.0, 5663.0, 5507.0, 5442.0, 5472.0, 5483.0, 5332.0, 5468.0, 5448.0, 5444.0, 5588.0, 5698.0, 5328.0
9	5290	9	1	333	1	5669.0, 5715.0, 5392.0, 5624.0, 5494.0, 5593.0, 5399.0, 5612.0, 5629.0, 5364.0, 5465.0, 5257.0, 5426.0, 5526.0, 5719.0, 5680.0, 5499.0, 5596.0, 5646.0, 5351.0, 5605.0, 5608.0, 5515.0, 5327.0, 5415.0, 5698.0, 5296.0, 5706.0, 5253.0, 5450.0, 5573.0, 5386.0, 5679.0, 5572.0, 5589.0, 5440.0, 5654.0, 5647.0, 5424.0, 5626.0, 5374.0, 5343.0, 5723.0, 5409.0, 5393.0, 5376.0, 5521.0, 5564.0, 5693.0, 5492.0, 5507.0, 5622.0, 5447.0, 5312.0, 5281.0, 5434.0, 5302.0, 5565.0, 5369.0, 5303.0,

						5307.0, 5263.0, 5461.0, 5614.0, 5313.0, 5361.0, 5371.0, 5687.0, 5484.0, 5567.0, 5306.0, 5384.0, 5488.0, 5432.0, 5598.0, 5599.0, 5713.0, 5358.0, 5328.0, 5557.0, 5292.0, 5509.0, 5446.0, 5660.0, 5554.0, 5349.0, 5531.0, 5464.0, 5716.0, 5397.0, 5548.0, 5543.0, 5421.0, 5659.0, 5491.0, 5490.0, 5380.0, 5544.0, 5663.0, 5458.0
10	5290	9	1	333	1	5384.0, 5662.0, 5485.0, 5658.0, 5623.0, 5280.0, 5341.0, 5470.0, 5461.0, 5551.0, 5544.0, 5468.0, 5591.0, 5489.0, 5294.0, 5402.0, 5310.0, 5328.0, 5639.0, 5464.0, 5587.0, 5437.0, 5463.0, 5684.0, 5486.0, 5391.0, 5592.0, 5330.0, 5672.0, 5613.0, 5575.0, 5645.0, 5554.0, 5679.0, 5412.0, 5677.0, 5452.0, 5315.0, 5339.0, 5625.0, 5538.0, 5541.0, 5696.0, 5335.0, 5455.0, 5312.0, 5436.0, 5292.0, 5621.0, 5419.0, 5358.0, 5403.0, 5714.0, 5338.0, 5347.0, 5372.0, 5704.0, 5597.0, 5723.0, 5325.0, 5626.0, 5529.0, 5397.0, 5718.0, 5698.0, 5601.0, 5396.0, 5395.0, 5365.0, 5635.0, 5431.0, 5637.0, 5604.0, 5465.0, 5504.0, 5647.0, 5336.0, 5441.0, 5535.0, 5546.0, 5576.0, 5479.0, 5319.0, 5340.0, 5460.0, 5641.0, 5406.0, 5569.0, 5345.0, 5303.0, 5357.0, 5289.0, 5475.0, 5610.0, 5502.0, 5512.0, 5719.0, 5670.0, 5542.0, 5433.0
11	5290	9	1	333	1	5543.0, 5371.0, 5557.0, 5695.0, 5263.0, 5594.0, 5710.0, 5392.0, 5648.0, 5665.0, 5635.0, 5539.0, 5625.0, 5562.0, 5596.0, 5274.0, 5551.0, 5518.0, 5533.0, 5561.0, 5416.0, 5579.0, 5374.0, 5430.0, 5489.0, 5284.0, 5674.0, 5260.0, 5588.0, 5356.0, 5298.0, 5448.0, 5517.0, 5714.0, 5722.0, 5395.0, 5584.0, 5487.0, 5716.0, 5426.0, 5624.0, 5388.0, 5261.0, 5272.0, 5316.0, 5669.0, 5422.0, 5425.0, 5687.0, 5522.0, 5509.0, 5266.0, 5676.0, 5423.0, 5352.0, 5393.0, 5317.0, 5524.0, 5620.0, 5604.0, 5329.0, 5400.0, 5420.0, 5681.0, 5291.0, 5711.0, 5526.0, 5366.0, 5339.0, 5605.0, 5295.0, 5602.0, 5436.0, 5694.0, 5373.0, 5382.0, 5583.0, 5521.0, 5321.0, 5608.0, 5512.0, 5432.0, 5632.0, 5565.0, 5300.0, 5360.0, 5283.0, 5507.0, 5570.0, 5265.0, 5595.0, 5429.0, 5411.0, 5318.0, 5375.0, 5673.0, 5559.0, 5258.0, 5480.0, 5659.0
12	5290	9	1	333	1	5565.0, 5681.0, 5463.0, 5367.0, 5649.0, 5348.0, 5717.0, 5475.0, 5291.0, 5608.0, 5687.0, 5692.0, 5528.0, 5331.0, 5611.0, 5300.0, 5266.0, 5489.0, 5500.0, 5250.0, 5590.0, 5620.0, 5654.0, 5677.0, 5340.0, 5376.0, 5407.0, 5509.0, 5294.0, 5272.0, 5371.0, 5298.0, 5605.0, 5397.0, 5564.0, 5432.0, 5381.0, 5667.0, 5299.0, 5453.0, 5578.0, 5484.0, 5549.0, 5328.0, 5635.0, 5458.0, 5480.0, 5640.0, 5655.0, 5487.0, 5548.0, 5594.0, 5269.0, 5400.0, 5520.0,

						5566.0, 5368.0, 5347.0, 5505.0, 5341.0, 5662.0, 5333.0, 5329.0, 5708.0, 5623.0, 5290.0, 5253.0, 5688.0, 5629.0, 5656.0, 5413.0, 5312.0, 5680.0, 5281.0, 5353.0, 5712.0, 5252.0, 5556.0, 5393.0, 5569.0, 5510.0, 5339.0, 5315.0, 5633.0, 5607.0, 5435.0, 5349.0, 5663.0, 5703.0, 5723.0, 5495.0, 5536.0, 5450.0, 5534.0, 5372.0, 5382.0, 5661.0, 5553.0, 5257.0, 5543.0
13	5290	9	1	333	1	5476.0, 5483.0, 5638.0, 5673.0, 5281.0, 5516.0, 5388.0, 5418.0, 5433.0, 5489.0, 5467.0, 5497.0, 5335.0, 5435.0, 5421.0, 5623.0, 5376.0, 5403.0, 5596.0, 5266.0, 5254.0, 5547.0, 5505.0, 5423.0, 5717.0, 5707.0, 5362.0, 5300.0, 5372.0, 5425.0, 5319.0, 5377.0, 5253.0, 5337.0, 5722.0, 5632.0, 5284.0, 5664.0, 5325.0, 5589.0, 5498.0, 5612.0, 5307.0, 5321.0, 5647.0, 5488.0, 5601.0, 5680.0, 5639.0, 5389.0, 5653.0, 5293.0, 5366.0, 5420.0, 5676.0, 5613.0, 5606.0, 5291.0, 5559.0, 5692.0, 5340.0, 5462.0, 5447.0, 5439.0, 5645.0, 5710.0, 5448.0, 5345.0, 5588.0, 5569.0, 5258.0, 5693.0, 5385.0, 5594.0, 5465.0, 5401.0, 5408.0, 5410.0, 5285.0, 5502.0, 5432.0, 5712.0, 5709.0, 5555.0, 5659.0, 5477.0, 5703.0, 5324.0, 5402.0, 5443.0, 5350.0, 5689.0, 5322.0, 5499.0, 5487.0, 5583.0, 5563.0, 5666.0, 5262.0, 5429.0
14	5290	9	1	333	1	5356.0, 5570.0, 5710.0, 5658.0, 5603.0, 5576.0, 5531.0, 5393.0, 5491.0, 5432.0, 5388.0, 5305.0, 5492.0, 5258.0, 5359.0, 5395.0, 5690.0, 5433.0, 5322.0, 5420.0, 5559.0, 5408.0, 5589.0, 5532.0, 5317.0, 5636.0, 5722.0, 5723.0, 5683.0, 5490.0, 5654.0, 5312.0, 5272.0, 5362.0, 5321.0, 5274.0, 5685.0, 5261.0, 5536.0, 5426.0, 5380.0, 5537.0, 5461.0, 5613.0, 5637.0, 5473.0, 5602.0, 5714.0, 5538.0, 5592.0, 5552.0, 5285.0, 5695.0, 5463.0, 5459.0, 5484.0, 5360.0, 5458.0, 5638.0, 5607.0, 5649.0, 5553.0, 5687.0, 5597.0, 5701.0, 5289.0, 5282.0, 5657.0, 5472.0, 5366.0, 5375.0, 5292.0, 5365.0, 5320.0, 5629.0, 5543.0, 5653.0, 5287.0, 5303.0, 5406.0, 5662.0, 5601.0, 5608.0, 5266.0, 5429.0, 5625.0, 5277.0, 5547.0, 5427.0, 5335.0, 5250.0, 5275.0, 5504.0, 5467.0, 5509.0, 5713.0, 5466.0, 5711.0, 5259.0, 5641.0
15	5290	9	1	333	1	5252.0, 5580.0, 5267.0, 5426.0, 5665.0, 5639.0, 5623.0, 5658.0, 5655.0, 5291.0, 5421.0, 5340.0, 5530.0, 5366.0, 5577.0, 5283.0, 5561.0, 5622.0, 5720.0, 5581.0, 5314.0, 5412.0, 5464.0, 5384.0, 5613.0, 5413.0, 5271.0, 5582.0, 5668.0, 5295.0, 5457.0, 5576.0, 5630.0, 5554.0, 5411.0, 5605.0, 5600.0, 5553.0, 5300.0, 5704.0, 5353.0, 5393.0, 5633.0, 5693.0, 5435.0, 5534.0, 5460.0, 5360.0, 5635.0, 5681.0,

						5265.0, 5578.0, 5389.0, 5677.0, 5518.0, 5690.0, 5410.0, 5688.0, 5512.0, 5616.0, 5618.0, 5365.0, 5650.0, 5316.0, 5479.0, 5712.0, 5563.0, 5597.0, 5591.0, 5666.0, 5544.0, 5501.0, 5511.0, 5331.0, 5256.0, 5305.0, 5387.0, 5335.0, 5546.0, 5315.0, 5449.0, 5447.0, 5715.0, 5598.0, 5601.0, 5398.0, 5269.0, 5513.0, 5488.0, 5632.0, 5470.0, 5685.0, 5290.0, 5355.0, 5438.0, 5396.0, 5523.0, 5358.0, 5638.0, 5670.0
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29	5290	9	1	333	1	5622.0, 5264.0, 5317.0, 5304.0, 5502.0, 5542.0, 5606.0, 5524.0, 5269.0, 5576.0, 5310.0, 5667.0, 5548.0, 5418.0, 5507.0, 5705.0, 5272.0, 5490.0, 5573.0, 5577.0, 5536.0, 5260.0, 5482.0, 5280.0, 5637.0, 5707.0, 5659.0, 5663.0, 5713.0, 5438.0, 5592.0, 5384.0, 5386.0, 5255.0, 5367.0, 5316.0, 5403.0, 5711.0, 5600.0, 5369.0, 5493.0, 5298.0, 5479.0, 5638.0, 5640.0, 5370.0, 5495.0, 5563.0, 5468.0, 5341.0, 5590.0, 5350.0, 5574.0, 5437.0, 5614.0, 5596.0, 5480.0, 5669.0, 5365.0, 5642.0, 5585.0, 5678.0, 5583.0, 5430.0, 5636.0, 5529.0, 5521.0, 5474.0, 5337.0, 5682.0, 5446.0, 5710.0, 5433.0, 5672.0, 5626.0, 5377.0, 5631.0, 5625.0, 5634.0, 5305.0, 5405.0, 5477.0, 5458.0, 5687.0, 5513.0, 5662.0, 5522.0, 5448.0, 5339.0, 5531.0, 5697.0, 5423.0, 5591.0, 5400.0, 5268.0, 5689.0, 5412.0, 5346.0, 5253.0, 5395.0
30	5290	9	1	333	1	5567.0, 5716.0, 5445.0, 5253.0, 5462.0, 5433.0, 5467.0, 5628.0, 5527.0, 5368.0, 5381.0, 5411.0, 5513.0, 5342.0, 5680.0, 5443.0, 5497.0, 5447.0, 5572.0, 5529.0, 5544.0, 5702.0, 5625.0, 5569.0, 5426.0,

						5495.0, 5255.0, 5347.0, 5312.0, 5402.0, 5359.0, 5328.0, 5291.0, 5468.0, 5321.0, 5686.0, 5512.0, 5339.0, 5549.0, 5615.0, 5642.0, 5491.0, 5367.0, 5586.0, 5550.0, 5554.0, 5541.0, 5301.0, 5323.0, 5277.0, 5582.0, 5579.0, 5576.0, 5262.0, 5287.0, 5406.0, 5276.0, 5522.0, 5540.0, 5573.0, 5721.0, 5311.0, 5257.0, 5270.0, 5652.0, 5720.0, 5610.0, 5307.0, 5630.0, 5343.0, 5635.0, 5524.0, 5444.0, 5254.0, 5267.0, 5506.0, 5265.0, 5645.0, 5637.0, 5388.0, 5531.0, 5559.0, 5458.0, 5661.0, 5344.0, 5723.0, 5479.0, 5674.0, 5624.0, 5450.0, 5466.0, 5304.0, 5403.0, 5687.0, 5353.0, 5508.0, 5461.0, 5693.0, 5341.0, 5372.0
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40MHz

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A	15	100 %	60%	pass
Type 1B	15	100 %	60%	pass
Type 2	30	93.3 %	60%	Pass
Type 3	30	100 %	60%	Pass
Type 4	30	100 %	60%	Pass
Aggregate(Type1 to 4)	120	98.33%	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	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	95	1	558	1
2	5310	62	1	858	1
3	5310	59	1	898	1
4	5310	89	1	598	1
5	5310	68	1	778	1
6	5310	58	1	918	1
7	5310	78	1	678	1
8	5310	81	1	658	1
9	5310	74	1	718	1
10	5310	65	1	818	1
11	5310	72	1	738	1
12	5310	63	1	838	1
13	5310	61	1	878	1
14	5310	83	1	638	1
15	5310	18	1	3066	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	19	1	2864	1
2	5310	58	1	925	1
3	5310	31	1	1758	1
4	5310	28	1	1886	1
5	5310	45	1	1178	1
6	5310	63	1	844	1
7	5310	19	1	2793	1
8	5310	80	1	662	1
9	5310	25	1	2186	1
10	5310	45	1	1189	1
11	5310	46	1	1153	1
12	5310	28	1	1899	1
13	5310	36	1	1491	1
14	5310	44	1	1218	1
15	5310	67	1	791	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	5310	25	3.6	211	1
2	5310	27	1.4	221	1
3	5310	29	1.3	156	1
4	5310	26	2.4	225	1
5	5310	26	1.9	198	1
6	5310	23	3.5	179	1
7	5310	26	1.7	223	1
8	5310	23	4.2	152	0
9	5310	24	5	195	1
10	5310	28	1.3	157	1
11	5310	24	2.9	213	1
12	5310	28	2.6	190	1
13	5310	26	3.5	165	1
14	5310	26	2.8	152	1
15	5310	24	4	162	1
16	5310	29	2.5	198	1
17	5310	25	2.9	150	1
18	5310	24	1.5	199	1
19	5310	25	4.7	211	1
20	5310	25	1.6	216	1
21	5310	26	3.1	202	1
22	5310	24	4.3	161	1
23	5310	27	1.8	167	1
24	5310	23	3.2	179	1
25	5310	29	3.6	154	1
26	5310	29	1.9	200	1
27	5310	26	2.6	208	0
28	5310	26	3.6	158	1
29	5310	25	1.4	210	1
30	5310	28	2	158	1
Detection Percentage: 93.3 % (>60%)					

Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5310	17	9.3	388	1
2	5310	17	6.3	287	1
3	5310	18	8.5	378	1
4	5310	17	7.5	416	1
5	5310	16	8.6	332	1
6	5310	16	6	405	1
7	5310	18	8.7	294	1
8	5310	16	7.4	461	1
9	5310	18	7.7	244	1
10	5310	18	7.7	489	1
11	5310	16	8	216	1
12	5310	18	8.9	271	1
13	5310	17	8.9	331	1
14	5310	16	6.7	346	1
15	5310	18	6.8	413	1
16	5310	18	6.4	241	1
17	5310	16	6.7	292	1
18	5310	17	6	261	1
19	5310	18	7.2	411	1
20	5310	17	8.5	484	1
21	5310	16	7.6	338	1
22	5310	18	8.7	377	1
23	5310	16	6.9	439	1
24	5310	16	7.4	404	1
25	5310	17	7.4	496	1
26	5310	17	6.8	232	1
27	5310	17	8.6	280	1
28	5310	17	7.9	420	1
29	5310	17	9.9	345	1
30	5310	18	6.7	465	1
Detection Percentage: 100 % (>60%)					

Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5310	14	17.6	247	1
2	5310	12	18.5	277	1
3	5310	12	16.5	267	1
4	5310	13	15.8	443	1
5	5310	14	11	227	1
6	5310	13	18.2	317	1
7	5310	12	18.4	394	1
8	5310	16	20	381	1
9	5310	13	13.2	487	1
10	5310	13	17.5	375	1
11	5310	15	19.5	425	1
12	5310	12	15.2	220	1
13	5310	15	13.4	261	1
14	5310	13	14.2	356	1
15	5310	13	18.3	383	1
16	5310	15	13.4	489	1
17	5310	16	13.2	315	1
18	5310	14	14.5	431	1
19	5310	15	11	352	1
20	5310	12	17.8	442	1
21	5310	14	11	254	1
22	5310	13	14.7	256	1
23	5310	16	11.8	294	1
24	5310	14	11.3	340	1
25	5310	16	13	236	1
26	5310	13	18	446	1
27	5310	12	12.8	319	1
28	5310	13	16.3	302	1
29	5310	14	14	442	1
30	5310	12	11.8	431	1
Detection Percentage: 100 % (>60%)					

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	2	13	83.2	1013		0.337558	1
1	1	13	99.1			1.65196	
2	3	13	79.7	1538	1902	3.066975	
3	1	13	93.6			4.624247	
4	3	13	56.4	1899	1267	5.422825	
5	2	13	97	1423		6.618869	
6	1	13	55.6			7.550769	
7	2	13	56.3	1430		8.607241	
8	1	13	59.7			10.729153	
9	1	13	81.1			10.821857	

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	12	61.4	1436	1920	0.349946	1
1	2	12	96.5	1575		1.725062	
2	2	12	71.5	1847		3.138067	
3	3	12	86.2	1951	1081	4.319051	
4	2	12	94.4	1466		6.508441	
5	2	12	65.8	1296		6.9444	
6	2	12	67.9	1397		8.432381	
7	2	12	75.4	1675		9.481206	
8	1	12	83.6			11.364229	

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	10	98.1	1007	1484	0.701052	1
1	1	10	100			1.653234	
2	2	10	80.3	1339		1.892885	
3	1	10	89.9			2.628011	
4	3	10	54.2	1426	1374	3.503445	
5	2	10	83.6	1224		4.506357	
6	1	10	50.7			5.460985	
7	2	10	63.1	1699		6.046558	
8	2	10	69.7	1431		7.297418	
9	1	10	90.6			7.831812	
10	3	10	89.6	1883	1836	8.761207	
11	2	10	84.7	1579		10.141215	
12	2	10	82.8	1735		10.887546	
13	3	10	70.6	1014	1636	11.531324	

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	1	14	91.4			0.080277	1
1	2	14	87.7	1584		1.193095	
2	1	14	67.8			2.429867	
3	3	14	60.3	1061	1020	3.373419	
4	3	14	95.8	1742	1059	4.165535	
5	1	14	90.8			4.627986	
6	1	14	95.7			5.934296	
7	3	14	62.4	1634	1216	7.192108	
8	1	14	99.9			7.417764	
9	2	14	50.3	1636		8.386063	
10	2	14	58	1356		9.977766	
11	2	14	76.7	1862		10.369033	
12	2	14	86.5	1967		11.874691	

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	2	13	90.8	1495		0.24613	1
1	2	13	58.8	1436		1.010212	
2	1	13	95.3			2.290239	
3	1	13	51.5			3.082223	
4	2	13	78.7	1044		3.279305	
5	2	13	87	1293		4.339374	
6	1	13	50.8			4.847521	
7	3	13	54.8	1931	1795	5.875371	
8	1	13	82.2			6.661147	
9	3	13	69.6	1206	1738	7.616015	
10	2	13	60	1417		8.445059	
11	2	13	70.1	1787		9.414917	
12	2	13	83.6	1590		10.066614	
13	2	13	68.1	1159		10.770089	
14	1	13	57.6			11.233227	

Statistics 6 (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	10	67.2			1.2507	1
1	2	10	95.9	1055		1.790852	
2	1	10	58.2			3.550327	
3	3	10	93.3	1089	1633	4.023072	
4	2	10	62.3	1813		5.43288	
5	2	10	60.6	1078		7.376686	
6	3	10	98.4	1865	1794	8.294107	
7	2	10	94.9	1890		10.654615	
8	2	10	73.2	1761		10.995988	

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	2	7	88.2	1528		0.067744	1
1	1	7	64.3			1.297872	
2	2	7	99	1447		2.680845	
3	1	7	73.1			3.208268	
4	3	7	87.9	1802	1914	4.125962	
5	2	7	55.8	1500		5.365458	
6	2	7	52.2	1332		6.194422	
7	2	7	56.1	1284		7.26743	
8	3	7	80.4	1864	1654	7.605903	
9	3	7	99.5	1087	1422	8.585898	
10	1	7	72			10.133356	
11	2	7	58.1	1568		10.998076	
12	2	7	78.1	1209		11.910799	

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	16	79.2	1039	1704	0.395004	1
1	3	16	99.8	1548	1975	1.751631	
2	2	16	51.8	1919		3.414539	
3	2	16	71.2	1214		5.599867	
4	2	16	74.9	1838		7.439457	
5	1	16	63.7			7.786113	
6	1	16	72.1			10.052626	
7	2	16	89.2	1586		11.612695	

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	11	61.4	1162		0.278857	1
1	2	11	74.9	1429		1.759658	
2	3	11	95.2	1097	1762	2.563302	
3	3	11	81.8	1868	1427	3.961312	
4	1	11	78.5			4.518507	
5	2	11	63.6	1828		6.467718	
6	1	11	64.3			7.43928	
7	2	11	69.7	1683		7.952065	
8	1	11	93.7			9.131073	
9	3	11	60.7	1129	1516	10.054402	
10	2	11	61.8	1392		11.670838	

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	14	78.9			0.458105	1
1	2	14	51.8	1908		1.233769	
2	3	14	94.8	1645	1401	3.204426	
3	2	14	93.1	1969		4.44019	
4	2	14	97.9	1209		4.936669	
5	1	14	73.7			6.560356	
6	3	14	87.8	1405	1477	7.766284	
7	1	14	58.1			9.207614	
8	1	14	89.1			10.41576	
9	1	14	75.4			11.940658	

Radar Type 5 Case 2 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5304.0 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	53.9	1949	1990	0.509596	1
1	3	10	88.7	1724	1375	1.589574	
2	2	10	66.5	1860		2.131102	
3	2	10	51.2	1703		2.822502	
4	3	10	75.3	1419	1452	3.443628	
5	2	10	83.6	1562		4.516854	
6	3	10	80	1045	1654	4.913052	
7	2	10	79.2	1199		6.392376	
8	1	10	98.7			6.97636	
9	3	10	72.9	1228	1910	7.807449	
10	2	10	54.6	1338		8.604113	
11	3	10	71	1266	1792	8.880229	
12	2	10	59.8	1907		10.165097	
13	1	10	99.7			10.566097	
14	1	10	72.7			11.64052	

Statistics 2 (ChirpCenter Frequency: 5303.0 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	62.2	1913		0.284361	1
1	2	8	60	1982		1.294434	
2	1	8	68.7			2.198012	
3	1	8	93.5			3.212691	
4	3	8	53.9	1605	1548	4.021145	
5	2	8	54.7	1211		5.43293	
6	3	8	78.8	1540	1024	6.118147	
7	3	8	63	1362	1107	7.23856	
8	3	8	88.8	1709	1717	7.95256	
9	2	8	59.1	1581		9.190455	
10	3	8	89	1440	1480	10.142017	
11	1	8	60.6			10.940334	
12	1	8	96.1			11.297823	

Statistics 3 (ChirpCenter Frequency: 5308.0 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	20	76			0.507885	1
1	1	20	63.5			0.877143	
2	3	20	94.5	1949	1045	1.648046	
3	2	20	91.3	1524		2.919354	
4	3	20	84.8	1445	1246	3.278975	
5	3	20	68.5	1009	1289	4.399782	
6	3	20	76.3	1066	1423	5.321554	
7	2	20	99.6	1574		5.732631	
8	2	20	63.9	1646		6.475957	
9	3	20	54.8	1089	1400	7.241352	
10	2	20	92	1425		8.223942	
11	3	20	74.8	1562	1690	9.504086	
12	2	20	68.7	1259		10.041544	
13	2	20	61.1	1217		10.619266	
14	3	20	61	1866	1005	11.48378	

Statistics 4 (ChirpCenter Frequency: 5306.0 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	85.5	1838		0.346027	1
1	2	14	64.8	1215		1.032552	
2	3	14	81.2	1264	1626	1.650156	
3	2	14	53.4	1050		1.846822	
4	2	14	55.9	1862		2.577831	
5	3	14	56.4	1114	1523	3.44149	
6	2	14	93.4	1259		3.741902	
7	1	14	71.5			4.527113	
8	1	14	60.2			4.898313	
9	3	14	95.9	1318	1484	5.45238	
10	2	14	64.3	1123		6.260212	
11	3	14	73.4	1857	1141	6.842597	
12	1	14	90			7.397819	
13	2	14	74.7	1475		7.920076	
14	1	14	90.1			8.744453	
15	2	14	85.9	1109		9.243673	
16	3	14	88.1	1663	1410	9.816529	
17	3	14	62.4	1235	1844	10.394251	
18	3	14	53.4	1888	1473	11.309736	
19	2	14	94.8	1560		11.674376	

Statistics 5 (ChirpCenter Frequency: 5305.0 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	51.9			0.085664	1
1	1	12	54.4			1.499812	
2	3	12	86.3	1638	1698	2.083872	
3	1	12	76.4			3.325016	
4	3	12	71.5	1652	1979	4.252144	
5	1	12	87.4			4.874838	
6	3	12	75.3	1726	1972	5.30023	
7	3	12	99.4	1343	1297	6.313626	
8	2	12	81	1378		7.185484	
9	1	12	53			7.814325	
10	2	12	61.5	1302		8.748751	
11	3	12	63.1	1050	1154	9.850017	
12	1	12	55.4			10.903956	
13	3	12	79.2	1819	1074	11.390802	

Statistics 6 (ChirpCenter Frequency: 5303.0MHz)

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	8	60.5	1125		0.292232	1
1	2	8	85.9	1134		1.333748	
2	1	8	68.7			1.680911	
3	2	8	82.5	1890		2.441485	
4	2	8	56	1877		3.257715	
5	2	8	54.9	1953		3.870202	
6	3	8	75.7	1490	1996	4.622807	
7	3	8	64.3	1175	1927	5.942809	
8	1	8	77.1			6.383173	
9	2	8	95.7	1947		6.836981	
10	3	8	59.4	1128	1659	7.508782	
11	2	8	50.8	1091		8.461432	
12	3	8	65.6	1783	1185	9.13972	
13	3	8	73.2	1447	1125	10.197072	
14	2	8	59.7	1929		10.646898	
15	3	8	59.7	1206	1626	11.292551	

Statistics 7 (ChirpCenter Frequency: 5306.0MHz)

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	54.4	1813		0.171536	1
1	2	14	56	1277		1.150436	
2	3	14	87.6	1433	1984	1.325688	
3	1	14	64.4			2.494267	
4	3	14	88.4	1167	1687	2.865222	
5	3	14	82.2	1057	1372	3.18531	
6	2	14	66.7	1709		4.279557	
7	2	14	59	1585		4.937653	
8	2	14	54	1243		5.111712	
9	1	14	61			5.933105	
10	2	14	53.1	1870		6.671	
11	3	14	92.7	1698	1070	7.178512	
12	3	14	89.2	1321	1514	7.718517	
13	1	14	86.3			8.728159	
14	1	14	88.7			9.128261	
15	2	14	84	1117		9.862789	
16	1	14	91.7			10.405426	
17	1	14	89			10.8008	
18	3	14	56.7	1568	1953	11.746076	

Statistics 8 (ChirpCenter Frequency: 5304.0 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	75.9			0.804119	1
1	3	10	69.3	1843	1833	2.891718	
2	1	10	56.3			3.181215	
3	2	10	63.7	1644		5.198087	
4	2	10	73.5	1690		7.113309	
5	2	10	85.7	1127		8.626521	
6	2	10	90.3	1432		9.357958	
7	3	10	76.9	1492	1411	11.924887	

Statistics 9 (ChirpCenter Frequency: 5305.0 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	13	91.4	1933	1687	1.12375	1
1	2	13	76.3	1504		2.554977	
2	2	13	54.6	1106		3.34605	
3	3	13	91.5	1730	1458	5.632274	
4	3	13	82.7	1964	1325	6.840532	
5	2	13	86	1966		8.799349	
6	1	13	96.4			9.965182	
7	3	13	94.6	1406	1508	11.185538	

Statistics 10 (ChirpCenter Frequency: 5302.0 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	5	60.8			0.336606	1
1	1	5	81.9			1.305764	
2	1	5	58.8			1.677635	
3	3	5	62	1689	1201	2.297018	
4	2	5	85.1	1304		3.086853	
5	2	5	69.8	1982		3.356288	
6	1	5	81.4			4.068102	
7	2	5	77	1062		5.217086	
8	1	5	62			5.741745	
9	2	5	80.6	1411		6.397867	
10	2	5	69.1	1741		7.159751	
11	1	5	97.7			7.572606	
12	1	5	63.7			8.46171	
13	2	5	67.4	1313		8.822075	
14	2	5	61.2	1120		9.813028	
15	3	5	95.3	1445	1483	10.249074	
16	1	5	56.1			10.834602	
17	1	5	65.9			11.668637	

Radar Type 5 Case 3 Statistical Performance

Statistics 1 (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	11	55.9	1922		0.853612	1
1	2	11	93.5	1469		1.856433	
2	3	11	67	1444	1344	3.157308	
3	2	11	70.5	1300		4.36763	
4	2	11	81.8	1373		6.206074	
5	3	11	73.6	1397	1834	7.813524	
6	1	11	90.6			8.043518	
7	1	11	62.9			10.12	
8	2	11	55.3	1082		11.750041	

Statistics 2 (ChirpCenter Frequency: 5314.0 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	93.5			0.257316	1
1	2	16	77.1	1299		1.123703	
2	2	16	91.3	1604		1.397752	
3	2	16	89.2	1931		2.294237	
4	2	16	91.3	1417		2.439718	
5	2	16	61.6	1525		3.35907	
6	2	16	99.7	1446		4.116542	
7	2	16	54.1	1920		4.220923	
8	1	16	97.4			5.210757	
9	3	16	52.9	1717	1736	5.857902	
10	2	16	96.6	1642		6.480275	
11	2	16	51.1	1899		6.884793	
12	2	16	50.7	1739		7.499185	
13	2	16	74.6	1690		8.394028	
14	2	16	61.6	1389		8.789903	
15	3	16	67.8	1561	1751	9.184347	
16	2	16	53.9	1110		9.998559	
17	3	16	77.4	1379	1497	10.35726	
18	1	16	98.1			10.999998	
19	2	16	50.2	1668		11.447541	

Statistics 3 (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	3	7	81.1	1860	1808	0.428255	1
1	2	7	97.5	1542		0.93136	
2	2	7	66.7	1058		1.925361	
3	2	7	90.5	1211		2.161369	
4	3	7	88.1	1761	1243	3.129784	
5	1	7	56.5			3.577734	
6	2	7	53.9	1299		4.606014	
7	2	7	80.5	1826		5.142996	
8	2	7	63.8	1786		6.300405	
9	3	7	52.7	1491	1112	7.049926	
10	2	7	90	1720		7.63615	
11	1	7	55.6			8.191367	
12	2	7	69.4	1544		8.564179	
13	2	7	79.9	1184		9.565469	
14	3	7	52.4	1529	1332	10.390579	
15	1	7	69.1			10.886301	
16	2	7	67.1	1976		11.777543	
17	3	7	80.5	1198	1390	11.523895	

Statistics 4 (ChirpCenter Frequency: 5313.0 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	68.4			0.69915	1
1	2	18	57.1	1572		1.282011	
2	2	18	53.5	1004		2.249936	
3	2	18	72.9	1144		3.091504	
4	2	18	69.2	1476		3.804435	
5	2	18	73.1	1669		4.739394	
6	3	18	93.6	1384	1006	4.816152	
7	3	18	56.5	1926	1150	5.907625	
8	2	18	52	1936		6.888841	
9	2	18	80.4	1576		7.675333	
10	1	18	82.7			8.179814	
11	2	18	93.6	1114		9.524679	
12	2	18	92.3	1225		9.824962	
13	2	18	85.5	1891		10.580687	
14	1	18	73			11.592851	

Statistics 5 (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	3	9	77.1	1802	1696	0.097818	1
1	2	9	87.7	1497		1.446357	
2	2	9	51.2	1306		2.165722	
3	2	9	66.9	1616		3.169434	
4	2	9	90.8	1813		4.013954	
5	2	9	58.7	1454		5.465341	
6	1	9	63			6.176703	
7	1	9	55.3			7.160765	
8	2	9	58.7	1420		7.461882	
9	2	9	53.4	1056		9.084228	
10	2	9	65.2	1415		9.513013	
11	2	9	94.6	1446		10.351409	
12	1	9	97.2			11.977205	

Statistics 6 (ChirpCenter Frequency: 5313.0 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	90.1	1782		0.450387	1
1	1	18	90.2			2.13629	
2	3	18	61.4	1410	1694	3.007871	
3	1	18	69.1			4.034892	
4	2	18	81.1	1272		6.409097	
5	1	18	78.3			6.987731	
6	2	18	76.8	1786		8.937284	
7	3	18	93.4	1918	1436	10.204173	
8	3	18	64.3	1794	1394	11.442474	

Statistics 7 (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	20	85.4	1601		0.139368	1
1	3	20	99.8	1792	1852	1.767391	
2	3	20	74.9	1724	1206	3.562727	
3	3	20	71.4	1986	1457	4.713719	
4	2	20	50.4	1465		6.361427	
5	2	20	77.6	1388		7.991281	
6	2	20	55.3	1447		8.159826	
7	3	20	96.2	1194	1530	9.803469	
8	2	20	53.8	1763		11.692745	

Statistics 8 (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	20	69.4	1044		0.461531	1
1	3	20	73.1	1691	1641	0.963951	
2	2	20	62.5	1182		1.794485	
3	2	20	81	1808		2.868587	
4	2	20	80.7	1558		3.43157	
5	3	20	67.5	1785	1300	4.939619	
6	2	20	87.4	1165		5.444488	
7	1	20	86.8			6.743686	
8	2	20	65.3	1109		7.68886	
9	1	20	58.6			7.879968	
10	3	20	79.7	1336	1335	9.100598	
11	2	20	52.5	1100		9.841188	
12	3	20	72.1	1898	1041	10.74114	
13	3	20	99.1	1599	1960	11.612032	

Statistics 9 (ChirpCenter Frequency: 5313.0 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	17	56.7			0.910535	1
1	2	17	69.4	1821		1.475378	
2	1	17	79.8			2.667951	
3	2	17	84.2	1435		3.763559	
4	2	17	91.4	1877		4.846637	
5	3	17	78.5	1540	1714	6.758178	
6	2	17	92.6	1548		7.200086	
7	2	17	81	1792		8.761446	
8	3	17	83.6	1116	1763	10.71589	
9	3	17	50.6	1924	1841	11.771633	

Statistics 10 (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	10	76.9	1668		0.625861	1
1	3	10	97	1285	1969	1.813401	
2	3	10	88.5	1181	1698	2.184417	
3	1	10	53			3.344294	
4	2	10	60.9	1597		4.335619	
5	2	10	78.5	1011		5.003641	
6	2	10	62.2	1519		5.957793	
7	1	10	70.6			6.511985	
8	1	10	59.6			7.73801	
9	2	10	76.7	1053		8.612428	
10	2	10	50.8	1832		10.042592	
11	2	10	70.4	1860		10.7702	
12	2	10	99.6	1170		11.787514	

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	5638.0, 5445.0, 5579.0, 5515.0, 5677.0, 5521.0, 5720.0, 5582.0, 5275.0, 5476.0, 5686.0, 5449.0, 5709.0, 5417.0, 5471.0, 5665.0, 5338.0, 5663.0, 5304.0, 5376.0, 5506.0, 5414.0, 5614.0, 5308.0, 5509.0, 5271.0, 5281.0, 5536.0, 5270.0, 5374.0, 5591.0, 5436.0, 5652.0, 5406.0, 5289.0, 5607.0, 5405.0, 5486.0, 5529.0, 5532.0, 5706.0, 5346.0, 5262.0, 5437.0, 5448.0, 5705.0, 5540.0, 5343.0, 5266.0, 5661.0, 5494.0, 5568.0, 5344.0, 5650.0, 5682.0, 5328.0, 5421.0, 5660.0, 5455.0, 5625.0, 5276.0, 5600.0, 5564.0, 5294.0, 5511.0, 5628.0, 5585.0, 5575.0, 5654.0, 5254.0, 5299.0, 5528.0, 5517.0, 5590.0, 5358.0, 5602.0, 5334.0, 5531.0, 5704.0, 5469.0, 5497.0, 5446.0, 5617.0, 5711.0, 5578.0, 5559.0, 5700.0, 5429.0, 5647.0, 5583.0, 5264.0, 5563.0, 5284.0, 5282.0, 5379.0, 5480.0, 5655.0, 5397.0, 5624.0, 5698.0
2	5310	9	1	333	1	5444.0, 5633.0, 5473.0, 5615.0, 5314.0, 5628.0, 5638.0, 5517.0, 5413.0, 5575.0, 5330.0, 5310.0, 5641.0, 5458.0, 5664.0, 5660.0, 5443.0, 5514.0, 5301.0, 5560.0, 5386.0, 5251.0, 5550.0, 5405.0, 5256.0, 5507.0, 5318.0, 5545.0, 5447.0, 5274.0, 5277.0, 5591.0, 5694.0, 5675.0, 5252.0, 5532.0, 5711.0, 5619.0, 5644.0, 5648.0, 5456.0, 5269.0, 5631.0, 5261.0, 5531.0, 5308.0, 5272.0, 5389.0, 5524.0, 5382.0, 5687.0, 5624.0, 5259.0, 5281.0, 5302.0, 5495.0, 5509.0, 5295.0, 5662.0, 5291.0, 5271.0, 5658.0, 5400.0, 5417.0, 5680.0, 5551.0, 5451.0, 5338.0, 5375.0, 5436.0, 5682.0, 5500.0, 5331.0, 5402.0, 5440.0, 5278.0, 5365.0, 5357.0, 5476.0, 5717.0, 5388.0, 5544.0, 5522.0, 5429.0, 5708.0, 5426.0, 5372.0, 5676.0, 5487.0, 5622.0, 5712.0, 5530.0, 5312.0, 5603.0, 5663.0, 5685.0, 5294.0, 5374.0, 5290.0, 5484.0
3	5310	9	1	333	1	5601.0, 5555.0, 5530.0, 5482.0, 5429.0, 5414.0, 5690.0, 5338.0, 5503.0, 5257.0, 5659.0, 5376.0, 5297.0, 5550.0, 5274.0, 5545.0, 5637.0, 5385.0, 5302.0, 5331.0, 5597.0, 5608.0, 5273.0, 5314.0, 5466.0, 5322.0, 5548.0, 5697.0, 5350.0, 5304.0, 5523.0, 5319.0, 5611.0, 5596.0, 5410.0, 5542.0, 5706.0, 5665.0, 5544.0, 5567.0, 5703.0, 5621.0, 5661.0, 5587.0, 5610.0, 5519.0, 5702.0, 5654.0, 5636.0, 5380.0, 5666.0, 5634.0, 5570.0, 5696.0, 5713.0, 5553.0, 5434.0, 5467.0, 5476.0, 5363.0, 5298.0, 5580.0, 5498.0, 5446.0, 5324.0, 5551.0, 5533.0, 5622.0, 5660.0, 5422.0

						5333.0, 5328.0, 5664.0, 5426.0, 5381.0, 5393.0, 5494.0, 5351.0, 5624.0, 5402.0, 5648.0, 5443.0, 5463.0, 5617.0, 5485.0, 5614.0, 5349.0, 5681.0, 5647.0, 5469.0, 5347.0, 5685.0, 5508.0, 5318.0, 5643.0, 5420.0, 5358.0, 5668.0, 5423.0, 5282.0
4	5310	9	1	333	1	5660.0, 5285.0, 5512.0, 5490.0, 5578.0, 5435.0, 5405.0, 5350.0, 5495.0, 5600.0, 5559.0, 5469.0, 5537.0, 5505.0, 5561.0, 5315.0, 5470.0, 5507.0, 5541.0, 5690.0, 5686.0, 5596.0, 5645.0, 5392.0, 5277.0, 5653.0, 5535.0, 5539.0, 5659.0, 5522.0, 5324.0, 5251.0, 5259.0, 5258.0, 5431.0, 5365.0, 5269.0, 5557.0, 5540.0, 5333.0, 5546.0, 5689.0, 5528.0, 5511.0, 5503.0, 5709.0, 5286.0, 5441.0, 5281.0, 5298.0, 5367.0, 5487.0, 5587.0, 5418.0, 5485.0, 5501.0, 5334.0, 5290.0, 5317.0, 5421.0, 5584.0, 5477.0, 5280.0, 5420.0, 5340.0, 5615.0, 5313.0, 5519.0, 5552.0, 5260.0, 5603.0, 5570.0, 5402.0, 5404.0, 5395.0, 5604.0, 5312.0, 5461.0, 5475.0, 5707.0, 5498.0, 5513.0, 5721.0, 5566.0, 5352.0, 5304.0, 5680.0, 5564.0, 5497.0, 5547.0, 5527.0, 5710.0, 5647.0, 5393.0, 5681.0, 5295.0, 5433.0, 5408.0, 5301.0, 5438.0
5	5310	9	1	333	1	5356.0, 5382.0, 5575.0, 5313.0, 5594.0, 5698.0, 5584.0, 5647.0, 5711.0, 5514.0, 5330.0, 5701.0, 5334.0, 5385.0, 5521.0, 5535.0, 5365.0, 5637.0, 5643.0, 5710.0, 5418.0, 5344.0, 5564.0, 5339.0, 5543.0, 5620.0, 5668.0, 5532.0, 5492.0, 5253.0, 5646.0, 5355.0, 5499.0, 5304.0, 5597.0, 5405.0, 5581.0, 5605.0, 5657.0, 5599.0, 5421.0, 5628.0, 5475.0, 5367.0, 5410.0, 5485.0, 5709.0, 5286.0, 5679.0, 5674.0, 5417.0, 5652.0, 5556.0, 5394.0, 5287.0, 5427.0, 5613.0, 5397.0, 5380.0, 5431.0, 5510.0, 5622.0, 5589.0, 5569.0, 5471.0, 5300.0, 5669.0, 5301.0, 5260.0, 5705.0, 5456.0, 5453.0, 5631.0, 5349.0, 5342.0, 5505.0, 5576.0, 5319.0, 5419.0, 5617.0, 5267.0, 5722.0, 5447.0, 5408.0, 5291.0, 5504.0, 5332.0, 5632.0, 5481.0, 5562.0, 5720.0, 5538.0, 5516.0, 5366.0, 5671.0, 5649.0, 5603.0, 5506.0, 5468.0, 5310.0
6	5310	9	1	333	1	5471.0, 5569.0, 5584.0, 5648.0, 5582.0, 5526.0, 5610.0, 5387.0, 5439.0, 5664.0, 5359.0, 5265.0, 5486.0, 5531.0, 5479.0, 5579.0, 5566.0, 5640.0, 5692.0, 5473.0, 5307.0, 5708.0, 5522.0, 5366.0, 5416.0, 5589.0, 5373.0, 5467.0, 5449.0, 5511.0, 5299.0, 5480.0, 5380.0, 5254.0, 5280.0, 5336.0, 5259.0, 5631.0, 5314.0, 5372.0, 5310.0, 5456.0, 5570.0, 5558.0, 5636.0, 5550.0, 5475.0, 5469.0, 5390.0, 5502.0, 5361.0, 5343.0, 5397.0, 5574.0, 5348.0, 5384.0, 5405.0, 5400.0, 5641.0, 5425.0, 5659.0, 5484.0, 5673.0, 5364.0, 5410.0,

						5321.0, 5650.0, 5258.0, 5551.0, 5715.0, 5598.0, 5577.0, 5601.0, 5588.0, 5477.0, 5602.0, 5306.0, 5354.0, 5554.0, 5557.0, 5556.0, 5578.0, 5651.0, 5451.0, 5429.0, 5573.0, 5458.0, 5339.0, 5536.0, 5278.0, 5365.0, 5350.0, 5621.0, 5328.0, 5668.0, 5533.0, 5485.0, 5316.0, 5292.0, 5514.0
7	5310	9	1	333	1	5701.0, 5402.0, 5706.0, 5447.0, 5565.0, 5602.0, 5292.0, 5343.0, 5401.0, 5283.0, 5666.0, 5508.0, 5496.0, 5471.0, 5491.0, 5308.0, 5332.0, 5687.0, 5480.0, 5275.0, 5373.0, 5596.0, 5691.0, 5386.0, 5510.0, 5289.0, 5622.0, 5446.0, 5277.0, 5298.0, 5259.0, 5657.0, 5334.0, 5474.0, 5422.0, 5299.0, 5609.0, 5593.0, 5685.0, 5589.0, 5546.0, 5605.0, 5462.0, 5419.0, 5629.0, 5646.0, 5380.0, 5582.0, 5719.0, 5604.0, 5500.0, 5404.0, 5350.0, 5291.0, 5702.0, 5358.0, 5428.0, 5552.0, 5542.0, 5558.0, 5561.0, 5503.0, 5467.0, 5426.0, 5696.0, 5536.0, 5355.0, 5607.0, 5578.0, 5678.0, 5270.0, 5566.0, 5695.0, 5348.0, 5493.0, 5531.0, 5509.0, 5698.0, 5662.0, 5648.0, 5360.0, 5659.0, 5397.0, 5530.0, 5655.0, 5451.0, 5339.0, 5670.0, 5518.0, 5495.0, 5351.0, 5632.0, 5286.0, 5323.0, 5574.0, 5485.0, 5677.0, 5388.0, 5438.0, 5506.0
8	5310	9	1	333	1	5371.0, 5478.0, 5634.0, 5456.0, 5301.0, 5307.0, 5698.0, 5681.0, 5295.0, 5318.0, 5701.0, 5452.0, 5678.0, 5541.0, 5427.0, 5663.0, 5444.0, 5653.0, 5311.0, 5525.0, 5430.0, 5380.0, 5521.0, 5315.0, 5695.0, 5267.0, 5718.0, 5685.0, 5556.0, 5463.0, 5462.0, 5341.0, 5303.0, 5362.0, 5391.0, 5575.0, 5587.0, 5287.0, 5621.0, 5542.0, 5574.0, 5545.0, 5253.0, 5411.0, 5426.0, 5378.0, 5277.0, 5683.0, 5257.0, 5347.0, 5464.0, 5350.0, 5308.0, 5459.0, 5420.0, 5387.0, 5721.0, 5646.0, 5305.0, 5697.0, 5475.0, 5424.0, 5723.0, 5454.0, 5416.0, 5710.0, 5558.0, 5644.0, 5328.0, 5512.0, 5304.0, 5640.0, 5428.0, 5468.0, 5435.0, 5310.0, 5262.0, 5312.0, 5613.0, 5552.0, 5466.0, 5296.0, 5533.0, 5286.0, 5338.0, 5300.0, 5346.0, 5409.0, 5687.0, 5332.0, 5484.0, 5269.0, 5363.0, 5497.0, 5603.0, 5429.0, 5453.0, 5538.0, 5543.0, 5662.0
9	5310	9	1	333	1	5537.0, 5624.0, 5402.0, 5435.0, 5307.0, 5541.0, 5340.0, 5511.0, 5529.0, 5663.0, 5612.0, 5495.0, 5594.0, 5332.0, 5722.0, 5526.0, 5354.0, 5587.0, 5311.0, 5525.0, 5673.0, 5485.0, 5679.0, 5656.0, 5630.0, 5598.0, 5554.0, 5580.0, 5659.0, 5546.0, 5378.0, 5678.0, 5531.0, 5682.0, 5279.0, 5275.0, 5322.0, 5319.0, 5481.0, 5680.0, 5527.0, 5666.0, 5345.0, 5269.0, 5281.0, 5433.0, 5516.0, 5723.0, 5478.0, 5564.0, 5284.0, 5324.0, 5559.0, 5622.0, 5317.0, 5467.0, 5487.0, 5366.0, 5606.0, 5283.0,

						5623.0, 5662.0, 5276.0, 5616.0, 5346.0, 5653.0, 5415.0, 5548.0, 5625.0, 5367.0, 5510.0, 5397.0, 5285.0, 5601.0, 5705.0, 5629.0, 5700.0, 5470.0, 5297.0, 5543.0, 5410.0, 5550.0, 5633.0, 5296.0, 5344.0, 5647.0, 5654.0, 5401.0, 5579.0, 5400.0, 5690.0, 5270.0, 5449.0, 5484.0, 5496.0, 5644.0, 5597.0, 5553.0, 5497.0, 5294.0
10	5310	9	1	333	1	5353.0, 5697.0, 5581.0, 5260.0, 5383.0, 5257.0, 5300.0, 5569.0, 5438.0, 5577.0, 5588.0, 5554.0, 5666.0, 5509.0, 5462.0, 5598.0, 5483.0, 5467.0, 5716.0, 5340.0, 5543.0, 5264.0, 5529.0, 5309.0, 5333.0, 5596.0, 5280.0, 5521.0, 5427.0, 5668.0, 5522.0, 5464.0, 5484.0, 5412.0, 5567.0, 5478.0, 5533.0, 5258.0, 5676.0, 5552.0, 5273.0, 5637.0, 5376.0, 5423.0, 5689.0, 5385.0, 5625.0, 5482.0, 5279.0, 5328.0, 5506.0, 5589.0, 5632.0, 5355.0, 5701.0, 5337.0, 5504.0, 5540.0, 5454.0, 5683.0, 5366.0, 5713.0, 5304.0, 5395.0, 5451.0, 5607.0, 5536.0, 5267.0, 5290.0, 5269.0, 5503.0, 5635.0, 5289.0, 5563.0, 5413.0, 5282.0, 5456.0, 5661.0, 5336.0, 5332.0, 5702.0, 5266.0, 5262.0, 5441.0, 5629.0, 5284.0, 5636.0, 5348.0, 5599.0, 5558.0, 5359.0, 5271.0, 5673.0, 5694.0, 5594.0, 5505.0, 5327.0, 5622.0, 5707.0, 5593.0
11	5310	9	1	333	1	5281.0, 5404.0, 5524.0, 5542.0, 5589.0, 5383.0, 5327.0, 5416.0, 5570.0, 5355.0, 5631.0, 5315.0, 5587.0, 5284.0, 5607.0, 5554.0, 5338.0, 5375.0, 5513.0, 5678.0, 5373.0, 5270.0, 5443.0, 5579.0, 5646.0, 5336.0, 5252.0, 5322.0, 5633.0, 5591.0, 5302.0, 5659.0, 5608.0, 5360.0, 5333.0, 5323.0, 5309.0, 5258.0, 5393.0, 5557.0, 5349.0, 5592.0, 5305.0, 5572.0, 5317.0, 5619.0, 5511.0, 5569.0, 5398.0, 5584.0, 5464.0, 5636.0, 5348.0, 5545.0, 5405.0, 5455.0, 5612.0, 5454.0, 5683.0, 5260.0, 5499.0, 5272.0, 5528.0, 5365.0, 5654.0, 5429.0, 5546.0, 5378.0, 5664.0, 5604.0, 5529.0, 5441.0, 5586.0, 5276.0, 5661.0, 5643.0, 5564.0, 5598.0, 5396.0, 5402.0, 5394.0, 5527.0, 5581.0, 5718.0, 5660.0, 5657.0, 5339.0, 5716.0, 5467.0, 5588.0, 5277.0, 5648.0, 5250.0, 5543.0, 5573.0, 5635.0, 5304.0, 5473.0, 5376.0, 5282.0
12	5310	9	1	333	1	5695.0, 5609.0, 5272.0, 5475.0, 5282.0, 5370.0, 5381.0, 5606.0, 5390.0, 5519.0, 5680.0, 5530.0, 5554.0, 5498.0, 5437.0, 5613.0, 5414.0, 5586.0, 5424.0, 5349.0, 5283.0, 5539.0, 5572.0, 5412.0, 5706.0, 5257.0, 5495.0, 5340.0, 5341.0, 5506.0, 5669.0, 5252.0, 5703.0, 5492.0, 5624.0, 5515.0, 5274.0, 5448.0, 5564.0, 5496.0, 5579.0, 5645.0, 5625.0, 5549.0, 5386.0, 5570.0, 5685.0, 5574.0, 5712.0, 5394.0, 5293.0, 5345.0, 5298.0, 5546.0, 5273.0,

						5631.0, 5636.0, 5331.0, 5472.0, 5346.0, 5633.0, 5434.0, 5363.0, 5392.0, 5648.0, 5263.0, 5529.0, 5315.0, 5435.0, 5372.0, 5608.0, 5614.0, 5374.0, 5431.0, 5258.0, 5557.0, 5578.0, 5307.0, 5324.0, 5538.0, 5352.0, 5336.0, 5623.0, 5526.0, 5373.0, 5269.0, 5594.0, 5255.0, 5311.0, 5694.0, 5473.0, 5276.0, 5702.0, 5603.0, 5353.0, 5428.0, 5512.0, 5426.0, 5664.0, 5715.0
13	5310	9	1	333	1	5483.0, 5260.0, 5686.0, 5480.0, 5317.0, 5432.0, 5447.0, 5486.0, 5682.0, 5417.0, 5548.0, 5409.0, 5419.0, 5594.0, 5386.0, 5519.0, 5629.0, 5539.0, 5566.0, 5431.0, 5279.0, 5457.0, 5305.0, 5322.0, 5586.0, 5463.0, 5544.0, 5707.0, 5479.0, 5410.0, 5532.0, 5273.0, 5563.0, 5369.0, 5574.0, 5455.0, 5442.0, 5627.0, 5588.0, 5646.0, 5589.0, 5252.0, 5719.0, 5724.0, 5354.0, 5528.0, 5551.0, 5635.0, 5623.0, 5581.0, 5459.0, 5652.0, 5256.0, 5636.0, 5478.0, 5651.0, 5392.0, 5377.0, 5596.0, 5476.0, 5492.0, 5720.0, 5577.0, 5468.0, 5381.0, 5562.0, 5402.0, 5441.0, 5428.0, 5472.0, 5505.0, 5394.0, 5717.0, 5429.0, 5660.0, 5543.0, 5380.0, 5433.0, 5654.0, 5571.0, 5436.0, 5677.0, 5579.0, 5395.0, 5464.0, 5583.0, 5612.0, 5684.0, 5554.0, 5523.0, 5385.0, 5412.0, 5559.0, 5328.0, 5639.0, 5514.0, 5606.0, 5411.0, 5357.0, 5425.0
14	5310	9	1	333	1	5395.0, 5556.0, 5693.0, 5397.0, 5271.0, 5273.0, 5532.0, 5439.0, 5632.0, 5631.0, 5349.0, 5384.0, 5522.0, 5424.0, 5329.0, 5668.0, 5639.0, 5263.0, 5674.0, 5565.0, 5357.0, 5638.0, 5482.0, 5493.0, 5351.0, 5268.0, 5552.0, 5431.0, 5513.0, 5281.0, 5610.0, 5480.0, 5686.0, 5465.0, 5615.0, 5487.0, 5276.0, 5382.0, 5472.0, 5695.0, 5620.0, 5626.0, 5463.0, 5394.0, 5287.0, 5386.0, 5705.0, 5582.0, 5554.0, 5508.0, 5423.0, 5435.0, 5619.0, 5548.0, 5585.0, 5415.0, 5571.0, 5509.0, 5289.0, 5353.0, 5401.0, 5379.0, 5652.0, 5723.0, 5455.0, 5319.0, 5318.0, 5291.0, 5553.0, 5716.0, 5404.0, 5321.0, 5699.0, 5317.0, 5715.0, 5451.0, 5307.0, 5540.0, 5675.0, 5586.0, 5690.0, 5413.0, 5358.0, 5280.0, 5254.0, 5684.0, 5354.0, 5259.0, 5305.0, 5589.0, 5681.0, 5622.0, 5298.0, 5696.0, 5580.0, 5406.0, 5469.0, 5697.0, 5625.0, 5637.0
15	5310	9	1	333	1	5277.0, 5532.0, 5522.0, 5496.0, 5432.0, 5253.0, 5326.0, 5272.0, 5574.0, 5412.0, 5275.0, 5422.0, 5720.0, 5707.0, 5457.0, 5386.0, 5413.0, 5473.0, 5474.0, 5578.0, 5352.0, 5419.0, 5622.0, 5590.0, 5639.0, 5369.0, 5556.0, 5407.0, 5335.0, 5647.0, 5701.0, 5541.0, 5564.0, 5285.0, 5654.0, 5679.0, 5629.0, 5495.0, 5653.0, 5543.0, 5333.0, 5396.0, 5630.0, 5458.0, 5428.0, 5528.0, 5489.0, 5342.0, 5677.0, 5372.0,

						5424.0, 5268.0, 5380.0, 5544.0, 5297.0, 5591.0, 5503.0, 5557.0, 5507.0, 5462.0, 5358.0, 5506.0, 5628.0, 5394.0, 5488.0, 5318.0, 5279.0, 5409.0, 5468.0, 5283.0, 5696.0, 5609.0, 5700.0, 5397.0, 5511.0, 5425.0, 5292.0, 5257.0, 5571.0, 5493.0, 5296.0, 5464.0, 5378.0, 5439.0, 5469.0, 5524.0, 5252.0, 5284.0, 5601.0, 5636.0, 5340.0, 5251.0, 5593.0, 5376.0, 5482.0, 5680.0, 5667.0, 5621.0, 5456.0, 5627.0
16	5310	9	1	333	1	5606.0, 5551.0, 5712.0, 5510.0, 5333.0, 5360.0, 5311.0, 5492.0, 5354.0, 5393.0, 5462.0, 5282.0, 5559.0, 5435.0, 5603.0, 5541.0, 5508.0, 5304.0, 5429.0, 5539.0, 5490.0, 5661.0, 5305.0, 5343.0, 5545.0, 5699.0, 5390.0, 5256.0, 5506.0, 5672.0, 5557.0, 5530.0, 5493.0, 5292.0, 5533.0, 5632.0, 5296.0, 5671.0, 5383.0, 5463.0, 5456.0, 5567.0, 5600.0, 5668.0, 5501.0, 5442.0, 5417.0, 5723.0, 5332.0, 5431.0, 5650.0, 5527.0, 5387.0, 5274.0, 5519.0, 5352.0, 5264.0, 5574.0, 5655.0, 5328.0, 5667.0, 5586.0, 5656.0, 5630.0, 5400.0, 5315.0, 5588.0, 5418.0, 5675.0, 5349.0, 5301.0, 5696.0, 5350.0, 5682.0, 5495.0, 5570.0, 5294.0, 5472.0, 5598.0, 5648.0, 5641.0, 5250.0, 5658.0, 5615.0, 5269.0, 5583.0, 5573.0, 5685.0, 5438.0, 5466.0, 5370.0, 5260.0, 5564.0, 5529.0, 5440.0, 5457.0, 5720.0, 5482.0, 5340.0, 5377.0
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18	5310	9	1	333	1	5306.0, 5296.0, 5490.0, 5315.0, 5258.0, 5404.0, 5350.0, 5354.0, 5537.0, 5269.0, 5299.0, 5329.0, 5462.0, 5476.0, 5539.0, 5505.0, 5447.0, 5390.0, 5593.0, 5330.0, 5597.0, 5257.0, 5712.0, 5655.0, 5265.0, 5592.0, 5438.0, 5366.0, 5588.0, 5590.0, 5549.0, 5382.0, 5410.0, 5415.0, 5351.0, 5551.0, 5688.0, 5387.0, 5559.0, 5429.0, 5308.0, 5368.0, 5301.0, 5321.0, 5408.0,

						5482.0, 5334.0, 5275.0, 5421.0, 5660.0, 5613.0, 5705.0, 5251.0, 5599.0, 5385.0, 5702.0, 5614.0, 5493.0, 5511.0, 5400.0, 5424.0, 5457.0, 5700.0, 5378.0, 5379.0, 5338.0, 5627.0, 5600.0, 5377.0, 5274.0, 5536.0, 5473.0, 5430.0, 5676.0, 5612.0, 5659.0, 5449.0, 5459.0, 5418.0, 5542.0, 5254.0, 5704.0, 5603.0, 5652.0, 5557.0, 5475.0, 5671.0, 5294.0, 5328.0, 5436.0, 5480.0, 5425.0, 5289.0, 5713.0, 5506.0, 5268.0, 5494.0, 5317.0, 5584.0, 5416.0
19	5310	9	1	333	1	5352.0, 5554.0, 5460.0, 5591.0, 5668.0, 5494.0, 5379.0, 5251.0, 5512.0, 5667.0, 5641.0, 5655.0, 5684.0, 5365.0, 5596.0, 5534.0, 5523.0, 5256.0, 5562.0, 5340.0, 5458.0, 5382.0, 5400.0, 5334.0, 5314.0, 5495.0, 5325.0, 5274.0, 5337.0, 5392.0, 5497.0, 5614.0, 5711.0, 5295.0, 5654.0, 5317.0, 5477.0, 5615.0, 5399.0, 5517.0, 5321.0, 5385.0, 5560.0, 5394.0, 5669.0, 5533.0, 5316.0, 5402.0, 5650.0, 5423.0, 5724.0, 5670.0, 5638.0, 5299.0, 5396.0, 5645.0, 5366.0, 5565.0, 5288.0, 5555.0, 5642.0, 5407.0, 5268.0, 5429.0, 5252.0, 5387.0, 5480.0, 5679.0, 5648.0, 5699.0, 5275.0, 5446.0, 5330.0, 5590.0, 5403.0, 5291.0, 5570.0, 5358.0, 5532.0, 5342.0, 5412.0, 5686.0, 5518.0, 5263.0, 5651.0, 5472.0, 5643.0, 5538.0, 5338.0, 5437.0, 5578.0, 5484.0, 5501.0, 5634.0, 5491.0, 5610.0, 5393.0, 5443.0, 5574.0, 5663.0
20	5310	9	1	333	1	5330.0, 5696.0, 5393.0, 5445.0, 5475.0, 5447.0, 5575.0, 5689.0, 5251.0, 5477.0, 5517.0, 5697.0, 5657.0, 5705.0, 5693.0, 5695.0, 5425.0, 5431.0, 5621.0, 5449.0, 5504.0, 5636.0, 5375.0, 5435.0, 5616.0, 5308.0, 5584.0, 5603.0, 5365.0, 5588.0, 5538.0, 5547.0, 5417.0, 5341.0, 5349.0, 5640.0, 5507.0, 5605.0, 5336.0, 5565.0, 5673.0, 5286.0, 5412.0, 5379.0, 5443.0, 5707.0, 5274.0, 5610.0, 5452.0, 5462.0, 5694.0, 5348.0, 5651.0, 5416.0, 5266.0, 5359.0, 5585.0, 5357.0, 5722.0, 5327.0, 5458.0, 5473.0, 5440.0, 5362.0, 5474.0, 5652.0, 5463.0, 5317.0, 5331.0, 5439.0, 5450.0, 5346.0, 5662.0, 5388.0, 5606.0, 5325.0, 5282.0, 5351.0, 5659.0, 5395.0, 5527.0, 5633.0, 5427.0, 5272.0, 5710.0, 5318.0, 5663.0, 5687.0, 5307.0, 5671.0, 5400.0, 5354.0, 5324.0, 5654.0, 5537.0, 5355.0, 5392.0, 5265.0, 5530.0, 5377.0
21	5310	9	1	333	1	5621.0, 5619.0, 5274.0, 5575.0, 5537.0, 5678.0, 5338.0, 5461.0, 5709.0, 5371.0, 5696.0, 5300.0, 5656.0, 5482.0, 5635.0, 5509.0, 5465.0, 5369.0, 5404.0, 5702.0, 5479.0, 5672.0, 5516.0, 5525.0, 5591.0, 5590.0, 5580.0, 5675.0, 5598.0, 5719.0, 5378.0, 5601.0, 5706.0, 5658.0, 5550.0, 5418.0, 5430.0, 5398.0, 5375.0, 5714.0,

						5627.0, 5498.0, 5412.0, 5303.0, 5337.0, 5381.0, 5315.0, 5564.0, 5511.0, 5655.0, 5510.0, 5367.0, 5634.0, 5574.0, 5499.0, 5572.0, 5723.0, 5261.0, 5620.0, 5403.0, 5299.0, 5513.0, 5431.0, 5382.0, 5294.0, 5286.0, 5708.0, 5524.0, 5653.0, 5713.0, 5632.0, 5552.0, 5526.0, 5502.0, 5680.0, 5314.0, 5354.0, 5269.0, 5402.0, 5700.0, 5428.0, 5292.0, 5583.0, 5415.0, 5273.0, 5323.0, 5554.0, 5699.0, 5386.0, 5427.0, 5434.0, 5563.0, 5625.0, 5532.0, 5565.0, 5263.0, 5487.0, 5567.0, 5547.0, 5445.0
22	5310	9	1	333	1	5668.0, 5462.0, 5284.0, 5530.0, 5396.0, 5472.0, 5605.0, 5348.0, 5403.0, 5641.0, 5613.0, 5382.0, 5520.0, 5366.0, 5606.0, 5477.0, 5470.0, 5714.0, 5416.0, 5463.0, 5346.0, 5680.0, 5706.0, 5383.0, 5525.0, 5274.0, 5693.0, 5545.0, 5492.0, 5254.0, 5602.0, 5311.0, 5468.0, 5682.0, 5320.0, 5620.0, 5486.0, 5507.0, 5665.0, 5593.0, 5541.0, 5291.0, 5266.0, 5642.0, 5506.0, 5654.0, 5684.0, 5480.0, 5515.0, 5352.0, 5428.0, 5361.0, 5288.0, 5603.0, 5378.0, 5501.0, 5277.0, 5517.0, 5660.0, 5417.0, 5404.0, 5550.0, 5496.0, 5695.0, 5353.0, 5438.0, 5685.0, 5413.0, 5455.0, 5718.0, 5275.0, 5724.0, 5323.0, 5297.0, 5678.0, 5449.0, 5526.0, 5587.0, 5273.0, 5340.0, 5585.0, 5674.0, 5315.0, 5342.0, 5493.0, 5579.0, 5599.0, 5282.0, 5370.0, 5588.0, 5319.0, 5424.0, 5576.0, 5384.0, 5327.0, 5481.0, 5542.0, 5556.0, 5720.0, 5657.0
23	5310	9	1	333	1	5482.0, 5630.0, 5476.0, 5459.0, 5353.0, 5704.0, 5691.0, 5590.0, 5358.0, 5610.0, 5503.0, 5705.0, 5720.0, 5262.0, 5465.0, 5572.0, 5352.0, 5297.0, 5690.0, 5273.0, 5370.0, 5280.0, 5641.0, 5486.0, 5361.0, 5505.0, 5479.0, 5524.0, 5444.0, 5612.0, 5662.0, 5558.0, 5427.0, 5468.0, 5255.0, 5702.0, 5596.0, 5481.0, 5291.0, 5388.0, 5567.0, 5533.0, 5502.0, 5375.0, 5711.0, 5270.0, 5681.0, 5714.0, 5283.0, 5670.0, 5275.0, 5591.0, 5488.0, 5461.0, 5357.0, 5425.0, 5613.0, 5621.0, 5449.0, 5537.0, 5324.0, 5460.0, 5580.0, 5282.0, 5472.0, 5555.0, 5536.0, 5349.0, 5399.0, 5411.0, 5712.0, 5300.0, 5441.0, 5431.0, 5457.0, 5311.0, 5320.0, 5339.0, 5420.0, 5380.0, 5496.0, 5463.0, 5322.0, 5543.0, 5671.0, 5552.0, 5428.0, 5668.0, 5530.0, 5278.0, 5347.0, 5292.0, 5293.0, 5359.0, 5433.0, 5599.0, 5410.0, 5506.0, 5438.0, 5520.0
24	5310	9	1	333	1	5273.0, 5366.0, 5360.0, 5302.0, 5283.0, 5309.0, 5689.0, 5590.0, 5407.0, 5714.0, 5624.0, 5584.0, 5476.0, 5663.0, 5300.0, 5458.0, 5634.0, 5378.0, 5695.0, 5502.0, 5604.0, 5693.0, 5345.0, 5305.0, 5702.0, 5561.0, 5533.0, 5411.0, 5656.0, 5351.0, 5292.0, 5272.0, 5647.0, 5260.0, 5583.0,

						5319.0, 5466.0, 5532.0, 5334.0, 5665.0, 5499.0, 5547.0, 5290.0, 5685.0, 5461.0, 5523.0, 5464.0, 5448.0, 5601.0, 5660.0, 5364.0, 5399.0, 5371.0, 5317.0, 5453.0, 5354.0, 5712.0, 5321.0, 5511.0, 5389.0, 5651.0, 5585.0, 5269.0, 5282.0, 5572.0, 5250.0, 5540.0, 5588.0, 5640.0, 5325.0, 5618.0, 5605.0, 5700.0, 5433.0, 5469.0, 5452.0, 5313.0, 5314.0, 5391.0, 5528.0, 5320.0, 5262.0, 5653.0, 5463.0, 5723.0, 5372.0, 5646.0, 5255.0, 5289.0, 5670.0, 5432.0, 5404.0, 5565.0, 5629.0, 5306.0, 5275.0, 5719.0, 5534.0, 5335.0, 5570.0
25	5310	9	1	333	1	5321.0, 5602.0, 5701.0, 5278.0, 5500.0, 5626.0, 5484.0, 5514.0, 5619.0, 5586.0, 5251.0, 5695.0, 5674.0, 5373.0, 5260.0, 5390.0, 5581.0, 5671.0, 5257.0, 5623.0, 5643.0, 5718.0, 5572.0, 5583.0, 5668.0, 5307.0, 5653.0, 5553.0, 5509.0, 5662.0, 5314.0, 5284.0, 5544.0, 5285.0, 5493.0, 5636.0, 5289.0, 5452.0, 5475.0, 5353.0, 5347.0, 5342.0, 5590.0, 5408.0, 5346.0, 5605.0, 5528.0, 5691.0, 5366.0, 5378.0, 5270.0, 5591.0, 5326.0, 5287.0, 5399.0, 5377.0, 5684.0, 5356.0, 5282.0, 5357.0, 5516.0, 5403.0, 5698.0, 5486.0, 5536.0, 5319.0, 5317.0, 5525.0, 5336.0, 5571.0, 5421.0, 5678.0, 5400.0, 5434.0, 5376.0, 5423.0, 5450.0, 5275.0, 5339.0, 5389.0, 5364.0, 5651.0, 5374.0, 5425.0, 5444.0, 5597.0, 5673.0, 5579.0, 5318.0, 5563.0, 5610.0, 5382.0, 5676.0, 5582.0, 5429.0, 5411.0, 5471.0, 5533.0, 5640.0, 5722.0
26	5310	9	1	333	1	5723.0, 5596.0, 5502.0, 5702.0, 5284.0, 5663.0, 5261.0, 5611.0, 5509.0, 5313.0, 5644.0, 5333.0, 5412.0, 5279.0, 5704.0, 5670.0, 5549.0, 5432.0, 5550.0, 5573.0, 5676.0, 5623.0, 5525.0, 5346.0, 5384.0, 5584.0, 5268.0, 5422.0, 5311.0, 5478.0, 5635.0, 5677.0, 5453.0, 5426.0, 5600.0, 5270.0, 5451.0, 5488.0, 5398.0, 5337.0, 5554.0, 5626.0, 5595.0, 5619.0, 5506.0, 5712.0, 5301.0, 5665.0, 5420.0, 5512.0, 5546.0, 5438.0, 5522.0, 5290.0, 5324.0, 5417.0, 5701.0, 5362.0, 5375.0, 5560.0, 5447.0, 5637.0, 5649.0, 5630.0, 5413.0, 5359.0, 5297.0, 5391.0, 5260.0, 5499.0, 5442.0, 5474.0, 5385.0, 5315.0, 5285.0, 5604.0, 5389.0, 5257.0, 5277.0, 5410.0, 5520.0, 5602.0, 5715.0, 5481.0, 5565.0, 5286.0, 5259.0, 5358.0, 5335.0, 5664.0, 5559.0, 5616.0, 5395.0, 5566.0, 5296.0, 5683.0, 5572.0, 5343.0, 5397.0, 5445.0
27	5310	9	1	333	1	5324.0, 5296.0, 5566.0, 5360.0, 5586.0, 5700.0, 5592.0, 5336.0, 5422.0, 5720.0, 5627.0, 5595.0, 5514.0, 5680.0, 5582.0, 5289.0, 5333.0, 5594.0, 5413.0, 5561.0, 5419.0, 5649.0, 5287.0, 5692.0, 5271.0, 5356.0, 5429.0, 5399.0, 5516.0, 5433.0,

						5388.0, 5577.0, 5449.0, 5418.0, 5409.0, 5448.0, 5306.0, 5253.0, 5260.0, 5406.0, 5608.0, 5722.0, 5540.0, 5563.0, 5528.0, 5606.0, 5596.0, 5669.0, 5309.0, 5523.0, 5440.0, 5314.0, 5353.0, 5355.0, 5497.0, 5480.0, 5641.0, 5633.0, 5644.0, 5527.0, 5340.0, 5459.0, 5583.0, 5508.0, 5683.0, 5568.0, 5454.0, 5506.0, 5263.0, 5256.0, 5407.0, 5335.0, 5662.0, 5427.0, 5724.0, 5341.0, 5501.0, 5716.0, 5455.0, 5610.0, 5554.0, 5265.0, 5705.0, 5529.0, 5674.0, 5681.0, 5467.0, 5298.0, 5621.0, 5521.0, 5663.0, 5368.0, 5374.0, 5643.0, 5304.0, 5276.0, 5493.0, 5548.0, 5655.0, 5331.0
28	5310	9	1	333	1	5684.0, 5673.0, 5386.0, 5503.0, 5719.0, 5669.0, 5548.0, 5306.0, 5416.0, 5428.0, 5276.0, 5614.0, 5305.0, 5541.0, 5432.0, 5612.0, 5680.0, 5354.0, 5478.0, 5324.0, 5601.0, 5628.0, 5722.0, 5579.0, 5330.0, 5272.0, 5549.0, 5421.0, 5313.0, 5300.0, 5696.0, 5260.0, 5504.0, 5387.0, 5337.0, 5580.0, 5654.0, 5480.0, 5484.0, 5531.0, 5449.0, 5281.0, 5591.0, 5445.0, 5263.0, 5310.0, 5552.0, 5583.0, 5686.0, 5334.0, 5558.0, 5540.0, 5422.0, 5641.0, 5294.0, 5596.0, 5651.0, 5534.0, 5687.0, 5365.0, 5279.0, 5585.0, 5551.0, 5327.0, 5546.0, 5375.0, 5291.0, 5311.0, 5250.0, 5443.0, 5559.0, 5264.0, 5535.0, 5717.0, 5652.0, 5524.0, 5321.0, 5351.0, 5542.0, 5474.0, 5587.0, 5452.0, 5671.0, 5607.0, 5326.0, 5538.0, 5685.0, 5295.0, 5366.0, 5426.0, 5358.0, 5470.0, 5584.0, 5377.0, 5627.0, 5634.0, 5467.0, 5411.0, 5437.0, 5678.0
29	5310	9	1	333	1	5292.0, 5444.0, 5713.0, 5299.0, 5276.0, 5357.0, 5574.0, 5650.0, 5655.0, 5418.0, 5278.0, 5512.0, 5715.0, 5493.0, 5714.0, 5680.0, 5446.0, 5302.0, 5688.0, 5652.0, 5449.0, 5603.0, 5323.0, 5377.0, 5631.0, 5373.0, 5413.0, 5267.0, 5379.0, 5566.0, 5686.0, 5260.0, 5437.0, 5585.0, 5722.0, 5457.0, 5533.0, 5633.0, 5522.0, 5629.0, 5705.0, 5416.0, 5423.0, 5485.0, 5552.0, 5251.0, 5616.0, 5577.0, 5701.0, 5500.0, 5647.0, 5389.0, 5615.0, 5607.0, 5382.0, 5508.0, 5520.0, 5322.0, 5333.0, 5411.0, 5263.0, 5641.0, 5385.0, 5406.0, 5521.0, 5305.0, 5529.0, 5346.0, 5447.0, 5419.0, 5600.0, 5671.0, 5257.0, 5327.0, 5255.0, 5352.0, 5525.0, 5626.0, 5426.0, 5348.0, 5428.0, 5303.0, 5537.0, 5712.0, 5526.0, 5557.0, 5264.0, 5622.0, 5681.0, 5554.0, 5524.0, 5711.0, 5592.0, 5344.0, 5458.0, 5546.0, 5693.0, 5694.0, 5479.0, 5540.0
30	5310	9	1	333	1	5453.0, 5703.0, 5654.0, 5590.0, 5597.0, 5645.0, 5687.0, 5279.0, 5290.0, 5635.0, 5540.0, 5580.0, 5553.0, 5325.0, 5672.0, 5407.0, 5334.0, 5251.0, 5547.0, 5431.0, 5443.0, 5699.0, 5614.0, 5402.0, 5571.0,

					5336.0, 5447.0, 5321.0, 5630.0, 5720.0, 5562.0, 5435.0, 5678.0, 5536.0, 5719.0, 5714.0, 5312.0, 5374.0, 5510.0, 5366.0, 5266.0, 5634.0, 5333.0, 5472.0, 5646.0, 5423.0, 5499.0, 5260.0, 5401.0, 5680.0, 5706.0, 5277.0, 5324.0, 5252.0, 5368.0, 5317.0, 5531.0, 5658.0, 5563.0, 5505.0, 5270.0, 5451.0, 5392.0, 5288.0, 5550.0, 5702.0, 5596.0, 5533.0, 5375.0, 5342.0, 5299.0, 5404.0, 5609.0, 5602.0, 5694.0, 5575.0, 5651.0, 5641.0, 5593.0, 5599.0, 5376.0, 5640.0, 5318.0, 5305.0, 5356.0, 5438.0, 5452.0, 5489.0, 5492.0, 5715.0, 5484.0, 5679.0, 5701.0, 5276.0, 5372.0, 5301.0, 5378.0, 5293.0, 5408.0, 5370.0
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20MHz

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A	15	100%	60%	pass
Type 1B	15	86.7%	60%	pass
Type 2	30	100%	60%	Pass
Type 3	30	100%	60%	Pass
Type 4	30	96.7%	60%	Pass
Aggregate(Type1 to 4)	120	97.5%	80%	Pass
Type 5	120	100 %	80%	Pass
Type 6	30	96.7%	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	62	1	858	1
2	5320	92	1	578	1
3	5320	61	1	878	1
4	5320	65	1	818	1
5	5320	63	1	838	1
6	5320	70	1	758	1
7	5320	83	1	638	1
8	5320	95	1	558	1
9	5320	18	1	3066	1
10	5320	81	1	658	1
11	5320	68	1	778	1
12	5320	67	1	798	1
13	5320	99	1	538	1
14	5320	58	1	918	1
15	5320	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	5320	22	1	2413	1
2	5320	24	1	2271	1
3	5320	54	1	991	1
4	5320	22	1	2474	1
5	5320	38	1	1408	1
6	5320	21	1	2549	0
7	5320	27	1	1966	1
8	5320	60	1	890	1
9	5320	56	1	949	1
10	5320	22	1	2470	1
11	5320	18	1	2958	0
12	5320	22	1	2465	1
13	5320	40	1	1343	1
14	5320	44	1	1218	1
15	5320	29	1	1866	1
Detection Percentage: 86.7% (>60%)					

Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5320	28	1.2	227	1
2	5320	24	2.1	200	1
3	5320	29	1.7	213	1
4	5320	23	1	212	1
5	5320	23	4.4	181	1
6	5320	23	2.8	153	1
7	5320	23	4.8	201	1
8	5320	24	4.3	220	1
9	5320	24	4.6	160	1
10	5320	25	2	179	1
11	5320	26	2.3	159	1
12	5320	28	4.2	192	1
13	5320	29	2.7	225	1
14	5320	28	2.2	186	1
15	5320	29	3.4	220	1
16	5320	29	3.2	203	1
17	5320	26	2.7	160	1
18	5320	25	3.6	175	1
19	5320	24	4.8	159	1
20	5320	29	2.2	202	1
21	5320	28	4.7	201	1
22	5320	26	3.6	216	1
23	5320	24	2.5	214	1
24	5320	23	2.3	172	1
25	5320	26	1.3	214	1
26	5320	24	1.6	198	1
27	5320	29	1.4	160	1
28	5320	27	3.1	159	1
29	5320	27	1.3	188	1
30	5320	27	4.7	158	1
Detection Percentage: 100 % (>60%)					

Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5320	17	6.5	489	1
2	5320	18	9.2	302	1
3	5320	18	7.4	360	1
4	5320	16	6.3	319	1
5	5320	18	9.5	409	1
6	5320	17	9.3	408	1
7	5320	18	9.6	266	1
8	5320	17	9.9	218	1
9	5320	17	7.3	491	1
10	5320	16	9.8	424	1
11	5320	16	8.2	413	1
12	5320	18	6.2	470	1
13	5320	17	7.6	305	1
14	5320	17	9	227	1
15	5320	16	9.4	349	1
16	5320	17	6.5	304	1
17	5320	17	8.5	215	1
18	5320	16	9	412	1
19	5320	18	7.4	224	1
20	5320	16	6	328	1
21	5320	16	9.6	430	1
22	5320	16	7.5	323	1
23	5320	16	7.8	249	1
24	5320	16	8.2	334	1
25	5320	18	9.6	378	1
26	5320	17	6	277	1
27	5320	17	9.3	292	1
28	5320	16	9.6	366	1
29	5320	16	6.6	279	1
30	5320	18	8.6	229	1
Detection Percentage: 100% (>60%)					

Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5320	12	12.8	342	1
2	5320	15	14.4	473	1
3	5320	16	11.6	474	1
4	5320	15	12.5	268	1
5	5320	14	17	491	1
6	5320	16	12.9	389	1
7	5320	15	15.8	491	1
8	5320	13	19.6	414	1
9	5320	15	19.5	362	1
10	5320	15	19.5	479	1
11	5320	12	12.1	393	1
12	5320	15	17.4	289	1
13	5320	15	14.9	352	1
14	5320	15	16.2	213	1
15	5320	15	14.4	265	1
16	5320	14	15.6	313	1
17	5320	13	12.2	460	1
18	5320	15	12.2	237	1
19	5320	16	11.3	385	1
20	5320	13	11.7	430	1
21	5320	14	16.3	380	1
22	5320	13	18.4	400	1
23	5320	13	11.9	216	1
24	5320	16	14.2	289	1
25	5320	16	13.6	421	1
26	5320	12	17.1	292	0
27	5320	13	14.7	426	1
28	5320	15	14.2	331	1
29	5320	12	11.2	449	1
30	5320	14	18.8	381	1
Detection Percentage: 96.7 % (>60%)					

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	13	95	1752	1966	0.357137	1
1	3	13	51.7	1368	1700	1.379349	
2	2	13	51.7	1124		3.601293	
3	2	13	94.5	1698		4.189787	
4	3	13	64.4	1826	1309	6.589821	
5	1	13	61.3			6.935292	
6	2	13	88.8	1134		8.860643	
7	2	13	83	1477		9.527696	
8	1	13	74.4			10.997462	

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	1	6	88.4			0.231098	1
1	2	6	71.1	1677		1.549605	
2	2	6	94.8	1195		3.379617	
3	1	6	65.1			4.824535	
4	2	6	63.7	1711		6.214518	
5	3	6	69.7	1388	1528	7.558731	
6	2	6	93.3	1828		8.089255	
7	1	6	65.9			10.351444	
8	1	6	89.5			10.992455	

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	9	58.8	1955		0.280441	1
1	1	9	81.7			1.194072	
2	3	9	57.9	1257	1029	1.772439	
3	2	9	75.6	1089		2.852989	
4	2	9	82.9	1101		3.590455	
5	2	9	56.1	1721		4.450857	
6	1	9	52.3			4.758979	
7	3	9	60.6	1940	1585	5.322333	
8	2	9	52.4	1362		6.089375	
9	3	9	54.1	1568	1350	7.078317	
10	3	9	60.9	1045	1983	8.109538	
11	2	9	92.8	1652		8.779726	
12	2	9	83.8	1419		9.241044	
13	2	9	86.9	1225		10.313507	
14	3	9	54.8	1909	1954	10.528579	
15	2	9	51.1	1143		11.966066	

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	9	88.7	1237		0.573776	1
1	1	9	96.4			1.304016	
2	1	9	68.9			3.070619	
3	2	9	88.4	1931		3.32944	
4	3	9	52.7	1402	1245	4.676973	
5	3	9	89.1	1266	1398	5.939234	
6	2	9	65.3	1865		7.155847	
7	3	9	92.1	1396	1727	8.688743	
8	1	9	86.5			9.264609	
9	1	9	68.4			10.458819	
10	1	9	78			11.727284	

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	3	15	59.6	1355	1903	0.397555	1
1	3	15	62.5	1344	1188	0.752046	
2	3	15	63.7	1578	1664	1.410166	
3	2	15	85.6	1229		2.488519	
4	2	15	53.6	1429		2.842398	
5	2	15	82.3	1644		3.769479	
6	1	15	96.4			3.837802	
7	2	15	84.8	1917		4.908445	
8	2	15	85.1	1614		5.40369	
9	2	15	63.5	1696		6.018971	
10	1	15	53.7			6.923964	
11	2	15	69.5	1471		7.011303	
12	2	15	72.4	1388		8.159091	
13	2	15	58.8	1013		8.36059	
14	3	15	93.3	1041	1356	9.352363	
15	2	15	81.4	1585		9.572231	
16	1	15	69.2			10.583735	
17	2	15	67.3	1535		10.876433	
18	3	15	51.7	1233	1005	11.67639	

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	7	65.5	1347		0.617091	1
1	3	7	50	1795	1849	1.377612	
2	2	7	76.6	1981		1.901989	
3	2	7	95.4	1084		3.564311	
4	1	7	82.1			4.406546	
5	2	7	53	1781		5.000361	
6	1	7	72.3			5.624112	
7	3	7	72.5	1472	1315	6.824468	
8	1	7	94.8			8.288302	
9	2	7	79.2	1355		8.748468	
10	1	7	60.1			9.430551	
11	2	7	57.9	1235		10.521281	
12	1	7	87.3			11.53765	

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	1	15	86.3			0.72871	1
1	3	15	97.5	1924	1799	1.656745	
2	2	15	57.7	1143		2.349933	
3	2	15	79.6	1026		3.421418	
4	1	15	69.6			4.522703	
5	2	15	75.9	1339		6.094057	
6	3	15	66.3	1722	1763	7.537705	
7	3	15	97.2	1718	1645	8.674438	
8	3	15	82.4	1279	1601	9.154945	
9	2	15	86.5	1612		10.377825	
10	1	15	55.1			11.680373	

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	14	85.6	1387		0.803758	1
1	1	14	54.4			1.629014	
2	2	14	67.5	1309		2.535563	
3	1	14	82.3			3.677759	
4	2	14	74.5	1423		5.148382	
5	2	14	98.3	1655		7.151375	
6	2	14	58.7	1679		7.724217	
7	1	14	78.4			8.911464	
8	1	14	83.8			10.191307	
9	1	14	95.7			10.820609	

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	2	15	56.8	1832		1.251465	1
1	1	15	64.3			2.990228	
2	3	15	69	1484	1111	3.068987	
3	2	15	54.1	1197		4.822017	
4	1	15	99.2			7.435273	
5	3	15	65.7	1929	1907	8.606441	
6	3	15	71.7	1695	1881	9.461591	
7	1	15	66.6			11.930199	

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	13	73.8	1798		0.092713	1
1	3	13	89.7	1565	1027	1.089381	
2	3	13	68.9	1846	1329	2.166701	
3	2	13	51.9	1485		2.889433	
4	2	13	66	1506		3.972092	
5	2	13	98.1	1601		4.706416	
6	3	13	75.7	1825	1319	5.6711	
7	2	13	71.8	1250		6.489562	
8	3	13	98.3	1134	1889	7.128946	
9	2	13	98.5	1899		8.475956	
10	2	13	72.6	1516		9.189215	
11	3	13	94.3	1848	1429	10.011358	
12	2	13	64.5	1276		10.669006	
13	1	13	61.3			11.716632	

Radar Type 5 Case 2 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5313.0 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	7	98.2	1295		0.221772	1
1	1	7	59.4			1.443282	
2	2	7	95.8	1046		3.160694	
3	2	7	97.6	1031		4.190811	
4	2	7	80.4	1098		5.158184	
5	2	7	52.6	1485		6.059559	
6	2	7	96.8	1178		7.560316	
7	1	7	62.3			7.697554	
8	2	7	84.6	1939		9.118389	
9	2	7	55.6	1607		9.970375	
10	2	7	85.3	1824		11.442983	

Statistics 2 (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	74.2	1364		0.292698	1
1	2	14	77.9	1022		0.936905	
2	1	14	77.8			1.738486	
3	3	14	50.7	1423	1235	2.799608	
4	3	14	69.8	1801	1089	3.644748	
5	2	14	51.3	1784		4.291995	
6	2	14	97	1216		5.368749	
7	3	14	55.4	1876	1023	6.737678	
8	3	14	52.9	1130	1043	6.861107	
9	1	14	75			8.368729	
10	2	14	58	1822		8.657413	
11	3	14	64.8	1058	1785	9.544731	
12	2	14	52.3	1236		10.707757	
13	1	14	89.9			11.393424	

Statistics 3 (ChirpCenter Frequency: 5315.0 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	13	70.1	1890	1159	0.146525	1
1	2	13	71.3	1149		1.772404	
2	3	13	50.6	1922	1685	3.132817	
3	2	13	56.5	1494		4.919841	
4	2	13	75.5	1220		5.575349	
5	2	13	87.8	1878		7.979447	
6	2	13	65.1	1746		8.980037	
7	2	13	86.3	1858		10.055769	
8	1	13	77.6			11.581487	

Statistics 4 (ChirpCenter Frequency: 5314.0 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	57.2	1885	1343	0.018434	1
1	1	9	61.5			1.829749	
2	2	9	62.6	1010		2.100338	
3	1	9	75			3.051526	
4	1	9	66			4.81197	
5	1	9	64.4			5.428198	
6	3	9	67.9	1976	1922	6.306235	
7	2	9	73.5	1003		7.514595	
8	1	9	70.7			8.233535	
9	3	9	93.1	1357	1950	9.141779	
10	2	9	97.1	1728		10.637975	
11	2	9	76.2	1900		11.433819	

Statistics 5 (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	1	15	54.3			0.321112	1
1	1	15	77.3			1.022935	
2	1	15	84.7			1.851643	
3	2	15	88.1	1114		2.189545	
4	1	15	70.6			3.077987	
5	2	15	89	1849		3.557709	
6	2	15	55.3	1936		3.819209	
7	1	15	85.4			5.004197	
8	2	15	89.2	1995		5.357501	
9	2	15	53.3	1051		5.947977	
10	1	15	65.9			6.504333	
11	3	15	84.1	1956	1070	7.111528	
12	3	15	75.3	1159	1419	8.166882	
13	3	15	86.5	1129	1445	8.278286	
14	2	15	90.4	1107		9.285735	
15	2	15	55.3	1567		9.792512	
16	1	15	52.6			10.193414	
17	3	15	62.3	1246	1551	10.947231	
18	2	15	82.5	1914		11.402343	

Statistics 6 (ChirpCenter Frequency: 5313.0MHz)

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	8	59.8	1160		0.422903	1
1	2	8	95	1835		1.967693	
2	2	8	65	1407		3.127354	
3	2	8	82.2	1742		3.912047	
4	3	8	80.5	1831	1557	4.422077	
5	2	8	98.5	1951		6.505151	
6	3	8	57.1	1325	1925	7.275614	
7	2	8	59.2	1402		7.854962	
8	1	8	53.3			9.556375	
9	2	8	65.1	1229		10.645436	
10	2	8	86.4	1200		11.479303	

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	1	14	89.3			0.33261	1
1	3	14	57.7	1900	1246	1.707571	
2	1	14	89.4			1.903003	
3	1	14	84.9			3.679538	
4	2	14	62.5	1125		4.200504	
5	1	14	75.4			5.179784	
6	2	14	57.5	1209		6.166319	
7	2	14	59.6	1150		6.954533	
8	1	14	60.8			8.295527	
9	1	14	55.1			8.808268	
10	2	14	81.9	1663		9.290933	
11	2	14	64.3	1053		11.05073	
12	2	14	95.2	1686		11.809655	

Statistics 8 (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	3	17	80.3	1759	1015	0.257952	1
1	3	17	67.2	1044	1675	1.432385	
2	2	17	74.6	1986		2.561277	
3	2	17	77.5	1620		2.795226	
4	3	17	81	1269	1777	4.127384	
5	2	17	76.7	1417		4.299585	
6	1	17	58.6			5.794055	
7	2	17	59.1	1206		6.021068	
8	2	17	83.1	1241		7.357696	
9	1	17	59.9			8.096512	
10	3	17	57.1	1365	1315	8.766389	
11	1	17	76			9.599358	
12	1	17	54.9			10.506605	
13	3	17	60.1	1083	1476	11.308669	

Statistics 9 (ChirpCenter Frequency: 5313.0 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	85.3			0.323595	1
1	2	7	70.7	1787		1.074467	
2	1	7	77			2.130811	
3	2	7	88.1	1559		3.142484	
4	3	7	99.8	1122	1515	3.323821	
5	3	7	69.8	1821	1161	4.518459	
6	1	7	65.7			5.064662	
7	1	7	80.1			6.311213	
8	3	7	53.1	1199	1610	6.55982	
9	2	7	92.7	1740		7.863909	
10	2	7	51.5	1673		8.3888	
11	1	7	63.9			9.413662	
12	3	7	57.7	1939	1156	9.720287	
13	2	7	52.7	1581		11.180624	
14	2	7	99	1450		11.70166	

Statistics 10 (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	15	98.3	1512		0.729453	1
1	2	15	57.4	1153		0.819496	
2	3	15	83.4	1317	1286	1.788276	
3	3	15	59.7	1194	1502	2.398034	
4	2	15	61.1	1245		3.654949	
5	2	15	81.7	1057		4.48152	
6	2	15	82.3	1471		5.208141	
7	1	15	86.3			5.845198	
8	1	15	75.2			6.733486	
9	1	15	67.6			7.002021	
10	3	15	70.3	1522	1444	7.708696	
11	2	15	69.6	1864		8.486652	
12	2	15	85.8	1146		9.351068	
13	3	15	56	1697	1210	9.761395	
14	2	15	84.5	1992		10.931214	
15	3	15	56	1284	1366	11.885446	

Radar Type 5 Case 3 Statistical Performance

Statistics 1 (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	70.5	1167		0.380025	1
1	1	13	58.8			0.773734	
2	1	13	71.9			1.311506	
3	3	13	55	1762	1147	2.442083	
4	1	13	91.9			2.747168	
5	2	13	78.8	1236		3.319279	
6	2	13	56.3	1503		3.882416	
7	2	13	60.7	1111		4.786163	
8	3	13	61.3	1173	1684	5.185001	
9	3	13	91.9	1596	1894	6.198511	
10	1	13	59.5			6.914911	
11	3	13	73	1289	1198	7.347086	
12	3	13	80.8	1682	1072	7.954002	
13	2	13	76.8	1519		8.276389	
14	2	13	55.3	1349		9.289441	
15	1	13	64.2			9.725377	
16	2	13	95.3	1563		10.10899	
17	2	13	83.8	1035		11.326473	
18	1	13	85.6			11.374134	

Statistics 2 (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	78.6	1982		0.812413	1
1	2	14	55.8	1037		1.533533	
2	2	14	56.8	1735		2.750248	
3	2	14	52.2	1491		4.155417	
4	1	14	65.8			4.375085	
5	3	14	68.4	1209	1322	5.974322	
6	3	14	75.5	1046	1134	7.229453	
7	2	14	55.9	1639		7.958092	
8	1	14	71.4			9.748466	
9	3	14	91.9	1727	1398	10.132279	
10	3	14	74.2	1249	1455	11.095257	

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	88.7	1111	1281	0.057656	1
1	3	9	61.7	1496	1264	1.582315	
2	2	9	66.1	1901		1.702247	
3	2	9	74.9	1049		2.463815	
4	2	9	60.8	1925		3.945116	
5	2	9	96	1095		4.409491	
6	1	9	95.2			4.972969	
7	2	9	62.9	1422		5.74519	
8	2	9	89.9	1901		6.670293	
9	1	9	86.7			7.431675	
10	3	9	72.3	1615	1993	8.010659	
11	1	9	64.3			9.352674	
12	2	9	84.1	1887		10.136899	
13	1	9	51			11.073296	
14	2	9	55.5	1170		11.695976	

Statistics 4 (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	2	6	86.1	1024		0.134996	1
1	2	6	99.7	1961		0.88469	
2	2	6	89.8	1975		1.914475	
3	3	6	97.3	1228	1090	3.038607	
4	2	6	69.2	1228		3.714125	
5	2	6	98	1356		4.466565	
6	3	6	93.5	1530	1364	5.041765	
7	2	6	77	1395		6.010983	
8	2	6	74.4	1055		6.746616	
9	2	6	97	1393		7.479826	
10	2	6	86.8	1170		8.596902	
11	2	6	71.3	1208		9.325723	
12	3	6	94.4	1584	1298	9.965196	
13	2	6	78.3	1404		10.857603	
14	2	6	61.2	1863		11.224695	

Statistics 5 (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	53.5	1017		0.2112	1
1	2	13	73.9	1707		1.636572	
2	1	13	86.7			2.13997	
3	2	13	53.2	1151		2.954714	
4	2	13	79.8	1277		4.113309	
5	3	13	54.6	1513	1380	4.69242	
6	3	13	52.8	1251	1857	5.897974	
7	3	13	56.2	1045	1398	6.46153	
8	2	13	78.6	1498		7.154722	
9	2	13	80.8	1634		8.303354	
10	3	13	64	1748	1515	8.653353	
11	3	13	70.2	1143	1983	9.793978	
12	2	13	89.1	1920		11.052955	
13	1	13	81.6			11.725223	

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	2	16	51.8	1501		0.266561	1
1	2	16	50.8	1581		1.134374	
2	1	16	92.7			1.891993	
3	2	16	69	1604		2.50013	
4	3	16	78.4	1263	1665	3.066742	
5	1	16	88.6			3.994306	
6	2	16	63.8	1786		4.621932	
7	3	16	83.5	1688	1425	4.893252	
8	2	16	70.4	1062		5.635716	
9	3	16	51.7	1867	1793	6.282968	
10	2	16	74.6	1386		7.065856	
11	1	16	61.7			7.453159	
12	3	16	96.4	1563	1132	8.354805	
13	3	16	96.2	1543	1706	9.003164	
14	2	16	82.2	1220		9.367092	
15	2	16	77.2	1278		10.321271	
16	2	16	62.2	1644		10.821225	
17	1	16	53.5			11.87458	

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	2	10	78.9	1642		0.982594	1
1	2	10	90.9	1329		2.118151	
2	1	10	72.5			2.352011	
3	2	10	97.8	1803		4.012143	
4	3	10	92.4	1181	1120	5.167178	
5	2	10	92.2	1478		6.427888	
6	2	10	64.7	1897		7.156327	
7	2	10	56.9	1335		8.319654	
8	1	10	52.6			9.757887	
9	1	10	53.9			10.237824	
10	2	10	92.5	1893		10.93378	

Statistics 8 (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	56	1810	1509	0.7087	1
1	3	12	79.3	1488	1965	0.891238	
2	1	12	66			1.542523	
3	2	12	97.7	1195		2.945837	
4	3	12	72.7	1362	1836	3.235986	
5	1	12	99.2			4.203298	
6	3	12	99.4	1731	1117	4.918896	
7	2	12	84.3	1692		5.411245	
8	3	12	64	1338	1589	6.187544	
9	2	12	76.6	1090		6.794501	
10	3	12	81.6	1478	1827	8.140824	
11	3	12	98.2	1932	1790	8.338147	
12	2	12	61.5	1262		9.026354	
13	1	12	80.3			10.363724	
14	2	12	50.1	1180		10.732527	
15	2	12	59.1	1799		11.640853	

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	9	64.5	1637		0.374394	1
1	2	9	74.1	1427		1.237513	
2	2	9	76	1501		2.009505	
3	2	9	62.9	1100		2.499769	
4	2	9	94.5	1920		3.694524	
5	3	9	93.2	1989	1653	3.840038	
6	2	9	98.5	1612		5.165819	
7	1	9	52.8			5.899637	
8	3	9	78.1	1025	1292	6.553814	
9	3	9	67.6	1214	1461	6.963222	
10	2	9	87.5	1461		8.014968	
11	1	9	54.9			8.78085	
12	1	9	90			9.076163	
13	3	9	71.1	1216	1914	9.825525	
14	2	9	77.7	1353		11.203705	
15	3	9	58.7	1833	1523	11.611817	

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	1	17	98.4			0.313102	1
1	2	17	87	1977		1.171294	
2	1	17	67.7			1.77661	
3	2	17	50	1805		3.046448	
4	1	17	56.3			3.364606	
5	2	17	56.3	1548		4.464841	
6	2	17	69.1	1703		5.517907	
7	1	17	80.5			6.017957	
8	3	17	80.9	1321	1113	6.964448	
9	2	17	71.2	1923		7.224829	
10	2	17	65.8	1644		8.537498	
11	2	17	85.8	1382		9.026334	
12	2	17	54.8	1740		9.749431	
13	3	17	92.7	1121	1487	10.490458	
14	2	17	87.7	1486		11.360524	

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	5386.0, 5391.0, 5707.0, 5723.0, 5597.0, 5280.0, 5651.0, 5561.0, 5468.0, 5352.0, 5447.0, 5253.0, 5367.0, 5677.0, 5291.0, 5469.0, 5341.0, 5474.0, 5308.0, 5525.0, 5518.0, 5455.0, 5463.0, 5364.0, 5433.0, 5398.0, 5346.0, 5529.0, 5704.0, 5693.0, 5590.0, 5255.0, 5510.0, 5385.0, 5270.0, 5377.0, 5718.0, 5374.0, 5454.0, 5457.0, 5464.0, 5536.0, 5673.0, 5533.0, 5368.0, 5582.0, 5287.0, 5684.0, 5472.0, 5609.0, 5413.0, 5724.0, 5458.0, 5437.0, 5670.0, 5431.0, 5453.0, 5658.0, 5271.0, 5502.0, 5282.0, 5486.0, 5611.0, 5258.0, 5721.0, 5329.0, 5265.0, 5381.0, 5480.0, 5571.0, 5717.0, 5675.0, 5389.0, 5548.0, 5318.0, 5278.0, 5448.0, 5618.0, 5662.0, 5695.0, 5330.0, 5585.0, 5354.0, 5553.0, 5257.0, 5538.0, 5289.0, 5277.0, 5696.0, 5359.0, 5508.0, 5378.0, 5264.0, 5579.0, 5337.0, 5309.0, 5621.0, 5465.0, 5610.0, 5654.0
2	5320	9	1	333	1	5435.0, 5709.0, 5326.0, 5493.0, 5356.0, 5441.0, 5339.0, 5560.0, 5579.0, 5502.0, 5723.0, 5588.0, 5689.0, 5496.0, 5565.0, 5686.0, 5553.0, 5333.0, 5687.0, 5288.0, 5389.0, 5384.0, 5599.0, 5393.0, 5576.0, 5404.0, 5557.0, 5690.0, 5554.0, 5381.0, 5610.0, 5274.0, 5370.0, 5712.0, 5636.0, 5533.0, 5716.0, 5411.0, 5478.0, 5595.0, 5264.0, 5666.0, 5294.0, 5396.0, 5300.0, 5473.0, 5359.0, 5297.0, 5421.0, 5541.0, 5545.0, 5614.0, 5721.0, 5479.0, 5566.0, 5673.0, 5653.0, 5616.0, 5423.0, 5265.0, 5314.0, 5624.0, 5526.0, 5575.0, 5334.0, 5700.0, 5607.0, 5368.0, 5567.0, 5660.0, 5510.0, 5642.0, 5549.0, 5640.0, 5455.0, 5361.0, 5488.0, 5504.0, 5543.0, 5391.0, 5311.0, 5467.0, 5273.0, 5692.0, 5364.0, 5430.0, 5638.0, 5327.0, 5582.0, 5439.0, 5544.0, 5628.0, 5277.0, 5376.0, 5539.0, 5260.0, 5532.0, 5352.0, 5720.0, 5397.0
3	5320	9	1	333	1	5472.0, 5719.0, 5430.0, 5336.0, 5577.0, 5506.0, 5678.0, 5383.0, 5534.0, 5256.0, 5604.0, 5584.0, 5287.0, 5278.0, 5653.0, 5429.0, 5665.0, 5335.0, 5483.0, 5419.0, 5547.0, 5327.0, 5427.0, 5498.0, 5513.0, 5467.0, 5314.0, 5391.0, 5334.0, 5459.0, 5270.0, 5575.0, 5691.0, 5650.0, 5469.0, 5568.0, 5694.0, 5323.0, 5464.0, 5423.0, 5434.0, 5389.0, 5398.0, 5590.0, 5443.0, 5546.0, 5277.0, 5574.0, 5318.0, 5475.0, 5587.0, 5251.0, 5305.0, 5712.0, 5674.0, 5316.0, 5673.0, 5369.0, 5538.0, 5660.0, 5703.0, 5704.0, 5406.0, 5473.0, 5532.0, 5320.0, 5561.0, 5535.0, 5656.0, 5351.0,

						5417.0, 5646.0, 5400.0, 5663.0, 5609.0, 5422.0, 5620.0, 5490.0, 5261.0, 5624.0, 5721.0, 5536.0, 5613.0, 5488.0, 5662.0, 5633.0, 5542.0, 5496.0, 5272.0, 5594.0, 5489.0, 5569.0, 5614.0, 5491.0, 5621.0, 5426.0, 5585.0, 5479.0, 5471.0, 5364.0
4	5320	9	1	333	1	5276.0, 5427.0, 5634.0, 5557.0, 5384.0, 5511.0, 5582.0, 5532.0, 5561.0, 5353.0, 5691.0, 5309.0, 5505.0, 5455.0, 5685.0, 5681.0, 5310.0, 5623.0, 5630.0, 5569.0, 5555.0, 5324.0, 5714.0, 5278.0, 5541.0, 5405.0, 5560.0, 5703.0, 5447.0, 5286.0, 5318.0, 5508.0, 5393.0, 5678.0, 5633.0, 5341.0, 5684.0, 5469.0, 5373.0, 5577.0, 5524.0, 5347.0, 5434.0, 5635.0, 5693.0, 5342.0, 5607.0, 5666.0, 5477.0, 5641.0, 5338.0, 5387.0, 5499.0, 5682.0, 5417.0, 5402.0, 5383.0, 5355.0, 5690.0, 5327.0, 5660.0, 5710.0, 5281.0, 5639.0, 5491.0, 5431.0, 5352.0, 5411.0, 5548.0, 5463.0, 5297.0, 5365.0, 5442.0, 5313.0, 5587.0, 5401.0, 5642.0, 5420.0, 5263.0, 5465.0, 5715.0, 5444.0, 5624.0, 5664.0, 5272.0, 5574.0, 5629.0, 5720.0, 5549.0, 5400.0, 5274.0, 5566.0, 5525.0, 5425.0, 5435.0, 5388.0, 5416.0, 5372.0, 5362.0, 5502.0
5	5320	9	1	333	1	5321.0, 5417.0, 5627.0, 5659.0, 5720.0, 5515.0, 5258.0, 5542.0, 5469.0, 5640.0, 5440.0, 5630.0, 5276.0, 5483.0, 5400.0, 5525.0, 5443.0, 5346.0, 5614.0, 5701.0, 5631.0, 5421.0, 5610.0, 5526.0, 5685.0, 5517.0, 5503.0, 5557.0, 5722.0, 5491.0, 5457.0, 5386.0, 5702.0, 5407.0, 5287.0, 5265.0, 5531.0, 5350.0, 5464.0, 5363.0, 5319.0, 5579.0, 5723.0, 5267.0, 5274.0, 5549.0, 5405.0, 5340.0, 5653.0, 5622.0, 5482.0, 5562.0, 5604.0, 5632.0, 5382.0, 5371.0, 5511.0, 5361.0, 5616.0, 5462.0, 5543.0, 5535.0, 5713.0, 5489.0, 5574.0, 5384.0, 5474.0, 5357.0, 5568.0, 5268.0, 5311.0, 5652.0, 5455.0, 5583.0, 5266.0, 5264.0, 5324.0, 5362.0, 5646.0, 5706.0, 5334.0, 5393.0, 5677.0, 5656.0, 5559.0, 5272.0, 5460.0, 5603.0, 5657.0, 5271.0, 5368.0, 5495.0, 5582.0, 5608.0, 5339.0, 5712.0, 5644.0, 5596.0, 5367.0, 5442.0
6	5320	9	1	333	1	5694.0, 5571.0, 5612.0, 5590.0, 5307.0, 5434.0, 5415.0, 5301.0, 5322.0, 5620.0, 5655.0, 5551.0, 5448.0, 5585.0, 5664.0, 5358.0, 5435.0, 5619.0, 5627.0, 5500.0, 5555.0, 5550.0, 5458.0, 5465.0, 5413.0, 5278.0, 5668.0, 5542.0, 5326.0, 5529.0, 5536.0, 5716.0, 5654.0, 5680.0, 5394.0, 5579.0, 5610.0, 5427.0, 5515.0, 5584.0, 5527.0, 5348.0, 5493.0, 5713.0, 5361.0, 5288.0, 5660.0, 5600.0, 5711.0, 5599.0, 5472.0, 5251.0, 5460.0, 5707.0, 5499.0, 5479.0, 5662.0, 5468.0, 5635.0, 5363.0, 5583.0, 5512.0, 5310.0, 5565.0, 5424.0,

						5677.0, 5419.0, 5588.0, 5597.0, 5616.0, 5691.0, 5676.0, 5653.0, 5682.0, 5572.0, 5379.0, 5559.0, 5586.0, 5397.0, 5483.0, 5453.0, 5634.0, 5702.0, 5274.0, 5441.0, 5696.0, 5338.0, 5506.0, 5552.0, 5637.0, 5631.0, 5494.0, 5462.0, 5330.0, 5431.0, 5420.0, 5454.0, 5488.0, 5665.0, 5300.0
7	5320	9	1	333	1	5326.0, 5719.0, 5260.0, 5674.0, 5549.0, 5612.0, 5480.0, 5517.0, 5394.0, 5543.0, 5679.0, 5317.0, 5686.0, 5354.0, 5327.0, 5304.0, 5607.0, 5316.0, 5329.0, 5465.0, 5476.0, 5407.0, 5671.0, 5523.0, 5560.0, 5723.0, 5458.0, 5508.0, 5273.0, 5368.0, 5657.0, 5346.0, 5430.0, 5424.0, 5712.0, 5290.0, 5347.0, 5546.0, 5412.0, 5256.0, 5255.0, 5420.0, 5321.0, 5389.0, 5578.0, 5411.0, 5299.0, 5552.0, 5298.0, 5680.0, 5439.0, 5360.0, 5525.0, 5714.0, 5449.0, 5274.0, 5399.0, 5295.0, 5613.0, 5571.0, 5488.0, 5527.0, 5322.0, 5335.0, 5400.0, 5631.0, 5505.0, 5437.0, 5544.0, 5333.0, 5577.0, 5698.0, 5497.0, 5661.0, 5593.0, 5414.0, 5334.0, 5266.0, 5303.0, 5279.0, 5436.0, 5415.0, 5691.0, 5269.0, 5506.0, 5509.0, 5685.0, 5513.0, 5562.0, 5644.0, 5524.0, 5493.0, 5337.0, 5376.0, 5486.0, 5550.0, 5366.0, 5330.0, 5319.0, 5287.0
8	5320	9	1	333	1	5524.0, 5464.0, 5571.0, 5580.0, 5296.0, 5649.0, 5353.0, 5355.0, 5440.0, 5488.0, 5495.0, 5357.0, 5389.0, 5260.0, 5492.0, 5668.0, 5300.0, 5424.0, 5512.0, 5593.0, 5576.0, 5482.0, 5463.0, 5398.0, 5262.0, 5481.0, 5586.0, 5667.0, 5391.0, 5613.0, 5519.0, 5450.0, 5324.0, 5411.0, 5274.0, 5643.0, 5354.0, 5550.0, 5477.0, 5332.0, 5556.0, 5286.0, 5408.0, 5484.0, 5319.0, 5352.0, 5378.0, 5405.0, 5473.0, 5697.0, 5251.0, 5662.0, 5562.0, 5514.0, 5669.0, 5269.0, 5723.0, 5404.0, 5493.0, 5607.0, 5448.0, 5346.0, 5462.0, 5615.0, 5610.0, 5344.0, 5537.0, 5596.0, 5350.0, 5370.0, 5434.0, 5279.0, 5574.0, 5671.0, 5335.0, 5365.0, 5451.0, 5443.0, 5706.0, 5509.0, 5412.0, 5604.0, 5364.0, 5259.0, 5660.0, 5321.0, 5325.0, 5707.0, 5559.0, 5428.0, 5371.0, 5427.0, 5598.0, 5345.0, 5527.0, 5691.0, 5645.0, 5555.0, 5290.0, 5523.0
9	5320	9	1	333	1	5583.0, 5295.0, 5697.0, 5368.0, 5533.0, 5466.0, 5592.0, 5416.0, 5581.0, 5495.0, 5550.0, 5572.0, 5441.0, 5629.0, 5326.0, 5699.0, 5482.0, 5711.0, 5276.0, 5288.0, 5621.0, 5269.0, 5543.0, 5452.0, 5680.0, 5647.0, 5311.0, 5684.0, 5500.0, 5574.0, 5483.0, 5406.0, 5281.0, 5266.0, 5707.0, 5595.0, 5671.0, 5338.0, 5298.0, 5534.0, 5651.0, 5456.0, 5640.0, 5412.0, 5325.0, 5309.0, 5327.0, 5710.0, 5643.0, 5268.0, 5518.0, 5389.0, 5490.0, 5262.0, 5265.0, 5658.0, 5594.0, 5313.0, 5463.0, 5405.0,

						5287.0, 5614.0, 5603.0, 5275.0, 5422.0, 5721.0, 5411.0, 5611.0, 5564.0, 5471.0, 5340.0, 5557.0, 5384.0, 5530.0, 5404.0, 5369.0, 5601.0, 5513.0, 5374.0, 5608.0, 5376.0, 5347.0, 5637.0, 5524.0, 5270.0, 5433.0, 5559.0, 5391.0, 5526.0, 5580.0, 5285.0, 5464.0, 5364.0, 5439.0, 5511.0, 5310.0, 5469.0, 5634.0, 5618.0, 5400.0
10	5320	9	1	333	1	5267.0, 5429.0, 5629.0, 5294.0, 5414.0, 5569.0, 5506.0, 5487.0, 5670.0, 5631.0, 5710.0, 5517.0, 5362.0, 5682.0, 5269.0, 5380.0, 5579.0, 5695.0, 5669.0, 5671.0, 5566.0, 5296.0, 5430.0, 5343.0, 5250.0, 5484.0, 5713.0, 5554.0, 5423.0, 5536.0, 5560.0, 5266.0, 5598.0, 5541.0, 5699.0, 5635.0, 5585.0, 5407.0, 5405.0, 5453.0, 5692.0, 5638.0, 5533.0, 5611.0, 5480.0, 5316.0, 5376.0, 5462.0, 5644.0, 5502.0, 5358.0, 5481.0, 5592.0, 5690.0, 5643.0, 5315.0, 5581.0, 5359.0, 5313.0, 5280.0, 5397.0, 5532.0, 5626.0, 5518.0, 5605.0, 5320.0, 5540.0, 5391.0, 5576.0, 5550.0, 5547.0, 5538.0, 5331.0, 5282.0, 5501.0, 5709.0, 5357.0, 5454.0, 5646.0, 5399.0, 5558.0, 5413.0, 5619.0, 5651.0, 5293.0, 5368.0, 5712.0, 5398.0, 5443.0, 5448.0, 5567.0, 5653.0, 5608.0, 5565.0, 5322.0, 5677.0, 5716.0, 5632.0, 5634.0, 5662.0
11	5320	9	1	333	1	5526.0, 5385.0, 5292.0, 5282.0, 5656.0, 5275.0, 5366.0, 5454.0, 5538.0, 5472.0, 5560.0, 5682.0, 5501.0, 5553.0, 5397.0, 5613.0, 5550.0, 5471.0, 5310.0, 5260.0, 5512.0, 5427.0, 5554.0, 5298.0, 5665.0, 5561.0, 5596.0, 5436.0, 5700.0, 5668.0, 5409.0, 5437.0, 5279.0, 5593.0, 5272.0, 5392.0, 5717.0, 5375.0, 5559.0, 5376.0, 5591.0, 5433.0, 5492.0, 5308.0, 5696.0, 5458.0, 5590.0, 5615.0, 5480.0, 5715.0, 5551.0, 5337.0, 5461.0, 5400.0, 5261.0, 5607.0, 5558.0, 5394.0, 5264.0, 5651.0, 5494.0, 5396.0, 5489.0, 5516.0, 5622.0, 5528.0, 5533.0, 5270.0, 5606.0, 5484.0, 5391.0, 5605.0, 5412.0, 5542.0, 5434.0, 5364.0, 5477.0, 5306.0, 5317.0, 5439.0, 5451.0, 5250.0, 5609.0, 5628.0, 5370.0, 5361.0, 5287.0, 5293.0, 5404.0, 5621.0, 5315.0, 5459.0, 5252.0, 5637.0, 5372.0, 5603.0, 5647.0, 5304.0, 5683.0, 5410.0
12	5320	9	1	333	1	5591.0, 5571.0, 5375.0, 5624.0, 5477.0, 5346.0, 5322.0, 5371.0, 5387.0, 5454.0, 5721.0, 5547.0, 5474.0, 5536.0, 5531.0, 5641.0, 5377.0, 5417.0, 5684.0, 5703.0, 5358.0, 5430.0, 5426.0, 5599.0, 5473.0, 5252.0, 5584.0, 5441.0, 5566.0, 5543.0, 5560.0, 5603.0, 5676.0, 5373.0, 5526.0, 5692.0, 5672.0, 5517.0, 5635.0, 5597.0, 5580.0, 5354.0, 5493.0, 5565.0, 5271.0, 5607.0, 5568.0, 5557.0, 5382.0, 5362.0, 5356.0, 5688.0, 5598.0, 5569.0, 5472.0,

						5582.0, 5267.0, 5260.0, 5278.0, 5550.0, 5623.0, 5327.0, 5504.0, 5320.0, 5648.0, 5673.0, 5532.0, 5627.0, 5295.0, 5279.0, 5265.0, 5464.0, 5324.0, 5509.0, 5360.0, 5694.0, 5419.0, 5432.0, 5280.0, 5653.0, 5438.0, 5456.0, 5286.0, 5610.0, 5506.0, 5338.0, 5376.0, 5605.0, 5381.0, 5285.0, 5710.0, 5682.0, 5711.0, 5379.0, 5483.0, 5409.0, 5414.0, 5521.0, 5686.0, 5581.0
13	5320	9	1	333	1	5412.0, 5688.0, 5637.0, 5557.0, 5587.0, 5494.0, 5375.0, 5447.0, 5487.0, 5474.0, 5421.0, 5665.0, 5719.0, 5380.0, 5546.0, 5439.0, 5475.0, 5594.0, 5611.0, 5687.0, 5399.0, 5273.0, 5486.0, 5473.0, 5645.0, 5723.0, 5334.0, 5499.0, 5267.0, 5513.0, 5363.0, 5413.0, 5276.0, 5633.0, 5278.0, 5400.0, 5548.0, 5285.0, 5309.0, 5607.0, 5504.0, 5376.0, 5506.0, 5613.0, 5627.0, 5542.0, 5651.0, 5701.0, 5572.0, 5541.0, 5622.0, 5434.0, 5370.0, 5536.0, 5662.0, 5333.0, 5424.0, 5477.0, 5269.0, 5476.0, 5711.0, 5283.0, 5251.0, 5466.0, 5443.0, 5631.0, 5422.0, 5552.0, 5289.0, 5319.0, 5291.0, 5626.0, 5666.0, 5404.0, 5420.0, 5338.0, 5516.0, 5423.0, 5280.0, 5433.0, 5575.0, 5598.0, 5464.0, 5453.0, 5584.0, 5625.0, 5274.0, 5346.0, 5592.0, 5690.0, 5635.0, 5609.0, 5427.0, 5371.0, 5408.0, 5509.0, 5327.0, 5705.0, 5663.0, 5642.0
14	5320	9	1	333	1	5597.0, 5687.0, 5438.0, 5558.0, 5500.0, 5278.0, 5403.0, 5719.0, 5548.0, 5543.0, 5573.0, 5279.0, 5250.0, 5312.0, 5378.0, 5405.0, 5614.0, 5460.0, 5711.0, 5663.0, 5591.0, 5296.0, 5339.0, 5661.0, 5459.0, 5290.0, 5561.0, 5281.0, 5568.0, 5540.0, 5421.0, 5501.0, 5627.0, 5395.0, 5623.0, 5615.0, 5571.0, 5303.0, 5599.0, 5519.0, 5672.0, 5308.0, 5551.0, 5431.0, 5657.0, 5374.0, 5270.0, 5603.0, 5461.0, 5517.0, 5336.0, 5322.0, 5253.0, 5690.0, 5533.0, 5630.0, 5255.0, 5541.0, 5396.0, 5407.0, 5408.0, 5354.0, 5488.0, 5483.0, 5263.0, 5562.0, 5467.0, 5351.0, 5515.0, 5694.0, 5320.0, 5318.0, 5489.0, 5660.0, 5601.0, 5578.0, 5371.0, 5649.0, 5368.0, 5539.0, 5542.0, 5325.0, 5414.0, 5304.0, 5376.0, 5390.0, 5323.0, 5334.0, 5274.0, 5584.0, 5524.0, 5633.0, 5481.0, 5385.0, 5359.0, 5610.0, 5271.0, 5265.0, 5547.0, 5344.0
15	5320	9	1	333	0	
16	5320	9	1	333	1	5371.0, 5661.0, 5256.0, 5621.0, 5402.0, 5574.0, 5719.0, 5705.0, 5704.0, 5473.0, 5267.0, 5457.0, 5434.0, 5363.0, 5665.0, 5508.0, 5649.0, 5541.0, 5384.0, 5489.0, 5497.0, 5648.0, 5551.0, 5319.0, 5706.0, 5455.0, 5581.0, 5554.0, 5483.0, 5293.0, 5339.0, 5375.0, 5356.0, 5296.0, 5288.0, 5596.0, 5569.0, 5638.0, 5466.0, 5394.0, 5487.0, 5336.0, 5536.0, 5640.0, 5550.0

						5269.0, 5666.0, 5421.0, 5401.0, 5628.0, 5493.0, 5250.0, 5258.0, 5579.0, 5367.0, 5368.0, 5297.0, 5599.0, 5716.0, 5257.0, 5396.0, 5260.0, 5546.0, 5553.0, 5370.0, 5543.0, 5580.0, 5303.0, 5469.0, 5346.0, 5391.0, 5273.0, 5528.0, 5525.0, 5722.0, 5577.0, 5344.0, 5689.0, 5712.0, 5680.0, 5676.0, 5669.0, 5606.0, 5314.0, 5602.0, 5467.0, 5406.0, 5280.0, 5500.0, 5651.0, 5626.0, 5302.0, 5281.0, 5475.0, 5502.0, 5714.0, 5512.0, 5295.0, 5600.0, 5369.0
17	5320	9	1	333	1	5519.0, 5288.0, 5714.0, 5308.0, 5316.0, 5423.0, 5262.0, 5567.0, 5430.0, 5572.0, 5373.0, 5707.0, 5445.0, 5471.0, 5394.0, 5695.0, 5676.0, 5345.0, 5328.0, 5620.0, 5330.0, 5417.0, 5723.0, 5683.0, 5414.0, 5403.0, 5256.0, 5645.0, 5602.0, 5661.0, 5545.0, 5603.0, 5656.0, 5436.0, 5562.0, 5540.0, 5412.0, 5626.0, 5507.0, 5450.0, 5531.0, 5556.0, 5544.0, 5278.0, 5509.0, 5720.0, 5559.0, 5484.0, 5324.0, 5327.0, 5558.0, 5261.0, 5622.0, 5508.0, 5490.0, 5399.0, 5263.0, 5454.0, 5465.0, 5595.0, 5381.0, 5711.0, 5419.0, 5382.0, 5473.0, 5623.0, 5360.0, 5317.0, 5481.0, 5722.0, 5363.0, 5410.0, 5255.0, 5702.0, 5541.0, 5411.0, 5391.0, 5644.0, 5378.0, 5589.0, 5392.0, 5293.0, 5576.0, 5655.0, 5439.0, 5276.0, 5298.0, 5685.0, 5600.0, 5390.0, 5549.0, 5563.0, 5371.0, 5427.0, 5408.0, 5368.0, 5476.0, 5693.0, 5448.0, 5698.0
18	5320	9	1	333	1	5294.0, 5293.0, 5394.0, 5529.0, 5408.0, 5517.0, 5291.0, 5335.0, 5672.0, 5609.0, 5676.0, 5622.0, 5436.0, 5388.0, 5721.0, 5695.0, 5591.0, 5444.0, 5475.0, 5313.0, 5321.0, 5495.0, 5497.0, 5347.0, 5283.0, 5272.0, 5546.0, 5520.0, 5636.0, 5702.0, 5707.0, 5410.0, 5360.0, 5674.0, 5479.0, 5251.0, 5322.0, 5339.0, 5330.0, 5563.0, 5365.0, 5720.0, 5379.0, 5723.0, 5405.0, 5664.0, 5386.0, 5638.0, 5678.0, 5575.0, 5316.0, 5461.0, 5662.0, 5295.0, 5367.0, 5553.0, 5351.0, 5703.0, 5255.0, 5292.0, 5597.0, 5349.0, 5640.0, 5286.0, 5307.0, 5486.0, 5616.0, 5303.0, 5289.0, 5309.0, 5331.0, 5535.0, 5363.0, 5268.0, 5263.0, 5582.0, 5569.0, 5252.0, 5372.0, 5701.0, 5527.0, 5515.0, 5385.0, 5615.0, 5675.0, 5471.0, 5257.0, 5359.0, 5698.0, 5621.0, 5478.0, 5561.0, 5641.0, 5459.0, 5666.0, 5254.0, 5319.0, 5629.0, 5366.0, 5683.0
19	5320	9	1	333	1	5400.0, 5670.0, 5289.0, 5429.0, 5529.0, 5515.0, 5403.0, 5559.0, 5518.0, 5379.0, 5285.0, 5648.0, 5644.0, 5505.0, 5295.0, 5261.0, 5624.0, 5396.0, 5366.0, 5532.0, 5364.0, 5313.0, 5685.0, 5286.0, 5358.0, 5501.0, 5308.0, 5611.0, 5618.0, 5312.0, 5647.0, 5653.0, 5668.0, 5564.0, 5600.0, 5356.0, 5599.0, 5566.0, 5684.0, 5686.0,

						5431.0, 5479.0, 5451.0, 5327.0, 5373.0, 5662.0, 5523.0, 5589.0, 5298.0, 5678.0, 5336.0, 5303.0, 5428.0, 5688.0, 5324.0, 5401.0, 5669.0, 5297.0, 5433.0, 5331.0, 5300.0, 5464.0, 5545.0, 5520.0, 5274.0, 5452.0, 5389.0, 5259.0, 5349.0, 5660.0, 5270.0, 5273.0, 5661.0, 5256.0, 5508.0, 5304.0, 5580.0, 5570.0, 5641.0, 5633.0, 5584.0, 5446.0, 5585.0, 5574.0, 5692.0, 5676.0, 5385.0, 5328.0, 5549.0, 5301.0, 5468.0, 5547.0, 5710.0, 5503.0, 5262.0, 5534.0, 5694.0, 5565.0, 5359.0, 5459.0
20	5320	9	1	333	1	5598.0, 5401.0, 5678.0, 5507.0, 5600.0, 5624.0, 5314.0, 5408.0, 5327.0, 5510.0, 5348.0, 5446.0, 5383.0, 5309.0, 5523.0, 5502.0, 5698.0, 5688.0, 5339.0, 5715.0, 5695.0, 5288.0, 5558.0, 5360.0, 5707.0, 5448.0, 5355.0, 5573.0, 5609.0, 5379.0, 5418.0, 5517.0, 5378.0, 5642.0, 5620.0, 5310.0, 5552.0, 5687.0, 5344.0, 5578.0, 5657.0, 5576.0, 5529.0, 5274.0, 5300.0, 5601.0, 5456.0, 5652.0, 5480.0, 5370.0, 5350.0, 5450.0, 5670.0, 5319.0, 5373.0, 5477.0, 5499.0, 5471.0, 5442.0, 5521.0, 5676.0, 5438.0, 5421.0, 5323.0, 5266.0, 5261.0, 5409.0, 5691.0, 5265.0, 5386.0, 5685.0, 5525.0, 5550.0, 5273.0, 5496.0, 5659.0, 5599.0, 5546.0, 5322.0, 5672.0, 5619.0, 5664.0, 5542.0, 5530.0, 5655.0, 5531.0, 5505.0, 5565.0, 5262.0, 5431.0, 5345.0, 5393.0, 5377.0, 5353.0, 5352.0, 5544.0, 5433.0, 5495.0, 5405.0, 5427.0
21	5320	9	1	333	1	5419.0, 5546.0, 5582.0, 5530.0, 5452.0, 5722.0, 5573.0, 5465.0, 5720.0, 5371.0, 5466.0, 5492.0, 5295.0, 5385.0, 5441.0, 5255.0, 5379.0, 5367.0, 5393.0, 5605.0, 5610.0, 5593.0, 5417.0, 5323.0, 5515.0, 5421.0, 5368.0, 5707.0, 5402.0, 5555.0, 5337.0, 5438.0, 5689.0, 5311.0, 5606.0, 5344.0, 5501.0, 5346.0, 5424.0, 5376.0, 5294.0, 5528.0, 5511.0, 5574.0, 5476.0, 5675.0, 5710.0, 5700.0, 5635.0, 5336.0, 5518.0, 5463.0, 5356.0, 5658.0, 5619.0, 5273.0, 5537.0, 5338.0, 5665.0, 5431.0, 5646.0, 5633.0, 5250.0, 5354.0, 5578.0, 5291.0, 5278.0, 5359.0, 5661.0, 5460.0, 5279.0, 5435.0, 5422.0, 5601.0, 5592.0, 5532.0, 5266.0, 5709.0, 5409.0, 5520.0, 5513.0, 5529.0, 5566.0, 5439.0, 5600.0, 5671.0, 5650.0, 5584.0, 5622.0, 5358.0, 5708.0, 5561.0, 5296.0, 5638.0, 5667.0, 5642.0, 5313.0, 5624.0, 5550.0, 5331.0
22	5320	9	1	333	1	5605.0, 5532.0, 5608.0, 5323.0, 5464.0, 5718.0, 5474.0, 5584.0, 5468.0, 5538.0, 5428.0, 5541.0, 5703.0, 5500.0, 5583.0, 5552.0, 5356.0, 5619.0, 5346.0, 5377.0, 5595.0, 5329.0, 5700.0, 5371.0, 5348.0, 5523.0, 5345.0, 5435.0, 5471.0, 5453.0, 5615.0, 5342.0, 5325.0, 5473.0, 5390.0,

						5534.0, 5530.0, 5490.0, 5362.0, 5503.0, 5607.0, 5565.0, 5521.0, 5598.0, 5454.0, 5566.0, 5442.0, 5692.0, 5499.0, 5343.0, 5336.0, 5250.0, 5263.0, 5560.0, 5309.0, 5304.0, 5318.0, 5557.0, 5542.0, 5497.0, 5660.0, 5685.0, 5546.0, 5606.0, 5481.0, 5649.0, 5460.0, 5424.0, 5272.0, 5280.0, 5559.0, 5508.0, 5600.0, 5311.0, 5643.0, 5376.0, 5395.0, 5457.0, 5296.0, 5305.0, 5666.0, 5307.0, 5287.0, 5432.0, 5415.0, 5297.0, 5707.0, 5720.0, 5443.0, 5275.0, 5690.0, 5580.0, 5445.0, 5640.0, 5405.0, 5641.0, 5267.0, 5326.0, 5673.0, 5479.0
23	5320	9	1	333	1	5362.0, 5712.0, 5468.0, 5349.0, 5655.0, 5706.0, 5260.0, 5593.0, 5417.0, 5309.0, 5720.0, 5394.0, 5401.0, 5280.0, 5389.0, 5681.0, 5515.0, 5271.0, 5533.0, 5470.0, 5319.0, 5256.0, 5585.0, 5652.0, 5495.0, 5534.0, 5678.0, 5419.0, 5491.0, 5506.0, 5448.0, 5388.0, 5294.0, 5266.0, 5557.0, 5301.0, 5361.0, 5321.0, 5639.0, 5407.0, 5708.0, 5661.0, 5519.0, 5440.0, 5415.0, 5346.0, 5536.0, 5583.0, 5619.0, 5455.0, 5250.0, 5572.0, 5511.0, 5577.0, 5615.0, 5380.0, 5609.0, 5404.0, 5400.0, 5576.0, 5541.0, 5338.0, 5460.0, 5337.0, 5547.0, 5456.0, 5480.0, 5386.0, 5692.0, 5378.0, 5398.0, 5385.0, 5452.0, 5373.0, 5520.0, 5500.0, 5392.0, 5545.0, 5444.0, 5471.0, 5450.0, 5573.0, 5436.0, 5610.0, 5312.0, 5721.0, 5529.0, 5453.0, 5350.0, 5399.0, 5369.0, 5275.0, 5370.0, 5391.0, 5359.0, 5640.0, 5719.0, 5675.0, 5562.0, 5441.0
24	5320	9	1	333	1	5524.0, 5311.0, 5659.0, 5608.0, 5670.0, 5593.0, 5296.0, 5572.0, 5448.0, 5420.0, 5645.0, 5597.0, 5259.0, 5521.0, 5418.0, 5349.0, 5295.0, 5633.0, 5416.0, 5353.0, 5540.0, 5639.0, 5461.0, 5388.0, 5489.0, 5618.0, 5417.0, 5522.0, 5405.0, 5616.0, 5587.0, 5447.0, 5605.0, 5632.0, 5281.0, 5602.0, 5568.0, 5385.0, 5263.0, 5427.0, 5376.0, 5326.0, 5544.0, 5366.0, 5361.0, 5612.0, 5498.0, 5634.0, 5495.0, 5339.0, 5699.0, 5697.0, 5374.0, 5313.0, 5588.0, 5629.0, 5708.0, 5278.0, 5456.0, 5713.0, 5523.0, 5364.0, 5390.0, 5554.0, 5431.0, 5274.0, 5307.0, 5549.0, 5685.0, 5290.0, 5510.0, 5631.0, 5315.0, 5421.0, 5363.0, 5553.0, 5595.0, 5681.0, 5718.0, 5584.0, 5692.0, 5512.0, 5486.0, 5561.0, 5667.0, 5279.0, 5370.0, 5260.0, 5286.0, 5560.0, 5499.0, 5601.0, 5526.0, 5569.0, 5626.0, 5301.0, 5711.0, 5481.0, 5423.0, 5532.0
25	5320	9	1	333	1	5390.0, 5381.0, 5535.0, 5423.0, 5512.0, 5627.0, 5455.0, 5357.0, 5698.0, 5374.0, 5647.0, 5464.0, 5568.0, 5407.0, 5625.0, 5280.0, 5290.0, 5444.0, 5420.0, 5531.0, 5340.0, 5326.0, 5400.0, 5493.0, 5461.0, 5393.0, 5395.0, 5401.0, 5287.0, 5657.0,

						5615.0, 5440.0, 5468.0, 5328.0, 5255.0, 5659.0, 5707.0, 5691.0, 5433.0, 5701.0, 5336.0, 5339.0, 5256.0, 5579.0, 5670.0, 5621.0, 5304.0, 5270.0, 5253.0, 5293.0, 5606.0, 5689.0, 5717.0, 5703.0, 5284.0, 5700.0, 5309.0, 5372.0, 5408.0, 5663.0, 5723.0, 5462.0, 5369.0, 5554.0, 5315.0, 5317.0, 5655.0, 5387.0, 5541.0, 5608.0, 5702.0, 5683.0, 5690.0, 5590.0, 5476.0, 5344.0, 5351.0, 5704.0, 5533.0, 5269.0, 5262.0, 5598.0, 5519.0, 5547.0, 5654.0, 5558.0, 5542.0, 5675.0, 5666.0, 5277.0, 5313.0, 5586.0, 5528.0, 5265.0, 5699.0, 5712.0, 5656.0, 5335.0, 5446.0, 5314.0
26	5320	9	1	333	1	5414.0, 5250.0, 5486.0, 5541.0, 5348.0, 5596.0, 5345.0, 5578.0, 5416.0, 5631.0, 5564.0, 5600.0, 5714.0, 5369.0, 5598.0, 5481.0, 5618.0, 5375.0, 5558.0, 5554.0, 5506.0, 5252.0, 5423.0, 5607.0, 5338.0, 5387.0, 5420.0, 5621.0, 5470.0, 5333.0, 5514.0, 5661.0, 5468.0, 5724.0, 5267.0, 5540.0, 5610.0, 5684.0, 5389.0, 5529.0, 5432.0, 5336.0, 5334.0, 5344.0, 5653.0, 5424.0, 5483.0, 5433.0, 5358.0, 5566.0, 5474.0, 5640.0, 5604.0, 5271.0, 5508.0, 5512.0, 5376.0, 5388.0, 5361.0, 5538.0, 5531.0, 5298.0, 5620.0, 5592.0, 5320.0, 5390.0, 5476.0, 5644.0, 5571.0, 5557.0, 5448.0, 5524.0, 5546.0, 5625.0, 5359.0, 5427.0, 5499.0, 5720.0, 5581.0, 5279.0, 5442.0, 5551.0, 5521.0, 5275.0, 5384.0, 5356.0, 5460.0, 5374.0, 5710.0, 5510.0, 5671.0, 5659.0, 5498.0, 5657.0, 5294.0, 5500.0, 5280.0, 5291.0, 5484.0, 5573.0
27	5320	9	1	333	1	5547.0, 5255.0, 5570.0, 5378.0, 5620.0, 5325.0, 5397.0, 5280.0, 5638.0, 5295.0, 5568.0, 5293.0, 5331.0, 5323.0, 5697.0, 5502.0, 5628.0, 5404.0, 5642.0, 5665.0, 5506.0, 5461.0, 5550.0, 5690.0, 5612.0, 5629.0, 5586.0, 5689.0, 5477.0, 5387.0, 5481.0, 5705.0, 5526.0, 5446.0, 5483.0, 5514.0, 5457.0, 5500.0, 5618.0, 5391.0, 5497.0, 5623.0, 5538.0, 5282.0, 5524.0, 5382.0, 5715.0, 5648.0, 5621.0, 5437.0, 5624.0, 5415.0, 5392.0, 5469.0, 5499.0, 5661.0, 5305.0, 5516.0, 5658.0, 5273.0, 5682.0, 5598.0, 5505.0, 5403.0, 5449.0, 5324.0, 5329.0, 5335.0, 5585.0, 5259.0, 5442.0, 5339.0, 5428.0, 5636.0, 5501.0, 5316.0, 5250.0, 5460.0, 5472.0, 5588.0, 5671.0, 5374.0, 5349.0, 5558.0, 5326.0, 5429.0, 5473.0, 5627.0, 5704.0, 5346.0, 5590.0, 5351.0, 5264.0, 5677.0, 5463.0, 5421.0, 5719.0, 5611.0, 5476.0, 5333.0
28	5320	9	1	333	1	5574.0, 5371.0, 5367.0, 5677.0, 5648.0, 5666.0, 5630.0, 5607.0, 5261.0, 5292.0, 5711.0, 5488.0, 5423.0, 5291.0, 5712.0, 5695.0, 5443.0, 5683.0, 5530.0, 5627.0, 5647.0, 5519.0, 5646.0, 5297.0, 5471.0,

						5258.0, 5500.0, 5448.0, 5282.0, 5503.0, 5400.0, 5696.0, 5353.0, 5283.0, 5563.0, 5405.0, 5501.0, 5534.0, 5369.0, 5363.0, 5421.0, 5682.0, 5307.0, 5449.0, 5376.0, 5518.0, 5485.0, 5634.0, 5333.0, 5508.0, 5322.0, 5551.0, 5483.0, 5605.0, 5510.0, 5298.0, 5315.0, 5655.0, 5368.0, 5458.0, 5527.0, 5479.0, 5355.0, 5317.0, 5601.0, 5325.0, 5587.0, 5716.0, 5379.0, 5251.0, 5547.0, 5552.0, 5279.0, 5718.0, 5672.0, 5668.0, 5513.0, 5689.0, 5415.0, 5284.0, 5592.0, 5661.0, 5577.0, 5293.0, 5631.0, 5559.0, 5538.0, 5425.0, 5304.0, 5635.0, 5609.0, 5466.0, 5447.0, 5560.0, 5719.0, 5482.0, 5266.0, 5569.0, 5523.0, 5505.0
29	5320	9	1	333	1	5716.0, 5572.0, 5400.0, 5308.0, 5478.0, 5268.0, 5705.0, 5603.0, 5601.0, 5718.0, 5341.0, 5640.0, 5632.0, 5414.0, 5447.0, 5508.0, 5402.0, 5509.0, 5536.0, 5712.0, 5609.0, 5340.0, 5440.0, 5459.0, 5485.0, 5514.0, 5359.0, 5612.0, 5407.0, 5500.0, 5457.0, 5569.0, 5463.0, 5665.0, 5570.0, 5356.0, 5684.0, 5618.0, 5397.0, 5590.0, 5483.0, 5646.0, 5520.0, 5252.0, 5391.0, 5638.0, 5369.0, 5334.0, 5657.0, 5710.0, 5421.0, 5287.0, 5316.0, 5432.0, 5617.0, 5314.0, 5540.0, 5674.0, 5699.0, 5350.0, 5503.0, 5467.0, 5264.0, 5451.0, 5480.0, 5431.0, 5363.0, 5309.0, 5653.0, 5495.0, 5438.0, 5689.0, 5352.0, 5311.0, 5428.0, 5276.0, 5531.0, 5424.0, 5530.0, 5267.0, 5393.0, 5442.0, 5332.0, 5651.0, 5680.0, 5384.0, 5668.0, 5362.0, 5479.0, 5288.0, 5650.0, 5528.0, 5586.0, 5275.0, 5381.0, 5594.0, 5489.0, 5406.0, 5466.0, 5692.0
30	5320	9	1	333	1	5497.0, 5695.0, 5707.0, 5564.0, 5395.0, 5638.0, 5677.0, 5537.0, 5703.0, 5705.0, 5699.0, 5583.0, 5568.0, 5631.0, 5522.0, 5341.0, 5281.0, 5578.0, 5516.0, 5460.0, 5391.0, 5288.0, 5494.0, 5334.0, 5633.0, 5344.0, 5701.0, 5609.0, 5398.0, 5495.0, 5370.0, 5720.0, 5612.0, 5419.0, 5425.0, 5289.0, 5268.0, 5596.0, 5715.0, 5299.0, 5301.0, 5657.0, 5532.0, 5680.0, 5477.0, 5392.0, 5692.0, 5342.0, 5622.0, 5424.0, 5630.0, 5555.0, 5443.0, 5513.0, 5377.0, 5283.0, 5571.0, 5722.0, 5375.0, 5323.0, 5627.0, 5576.0, 5689.0, 5712.0, 5436.0, 5285.0, 5300.0, 5643.0, 5440.0, 5330.0, 5271.0, 5566.0, 5534.0, 5450.0, 5608.0, 5706.0, 5251.0, 5501.0, 5373.0, 5461.0, 5257.0, 5503.0, 5350.0, 5524.0, 5372.0, 5284.0, 5359.0, 5382.0, 5693.0, 5418.0, 5647.0, 5541.0, 5472.0, 5459.0, 5412.0, 5321.0, 5591.0, 5502.0, 5349.0, 5374.0

5. BRIDGE AND/OR MESH MODE

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: Bridge

Compliance, please refer the below data.

5310MHz**Radar Type 2 Statistical Performance**

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5310	24	1.3	165	1
2	5310	27	1.9	187	1
3	5310	29	1.6	183	1
4	5310	23	1.5	176	1
5	5310	26	1.6	175	1
6	5310	24	3.7	157	1
7	5310	26	4.6	218	1
8	5310	27	3.4	171	1
9	5310	23	1.1	191	1
10	5310	23	2.3	159	1
11	5310	28	2.2	174	1
12	5310	24	1.4	174	1
13	5310	29	4.5	197	1
14	5310	23	2.4	227	1
15	5310	25	4.8	197	1
16	5310	29	1.5	181	1
17	5310	25	2.9	196	0
18	5310	29	3.1	167	1
19	5310	29	1	221	1
20	5310	26	4.6	189	1
21	5310	27	1	225	0
22	5310	29	4.1	170	0
23	5310	26	4.3	210	1
24	5310	25	1.4	214	1
25	5310	29	1.4	181	1
26	5310	26	1.6	153	1
27	5310	28	2	158	1
28	5310	29	3.8	219	1
29	5310	24	1.3	192	1
30	5310	26	3.4	170	1
Detection Percentage: 90 % (>60%)					

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