



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: V7TI27

Product Name: AX3000 Wi-Fi 6 Ceiling Access Point

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: CR230311800-00D

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Test Facility

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

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

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

Declarations

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

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

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	CR230311800-00D	Original Report	2023/5/4

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	AX3000 Wi-Fi 6 Ceiling Access Point
EUT Model:	i27
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):	19.95 dBm (5250-5350 MHz)
Maximum Average Output Power (EIRP):	24.84 dBm (5250-5350 MHz)
Modulation Type:	802.11a/n/ac/ax:OFDM-BPSK, QPSK, 16QAM, 64QAM,256QAM, 1024QAM
Rated Input Voltage:	DC48V from PoE
Serial Number:	232M
EUT Received Date:	2023/3/16
EUT Received Status:	Good

1.1.1 Antenna Information Detail▲:

Antenna Chain	Manufacturer	Antenna Type	input impedance (Ohm)	Frequency Range	Antenna Gain
Chain 0 (ANT 3)	SHENZHEN TENDA TECHNOLOGY CO.,LTD.	PIFA	50	2400-2500MHz	4.34dBi
				5150-5250MHz	4.89dBi
				5250-5350MHz	4.89dBi
				5725-5850MHz	4.58dBi
Chain 1 (ANT 1)		PIFA	50	2400-2500MHz	5.35dBi
				5150-5250MHz	4.76dBi
				5250-5350MHz	4.76dBi
				5725-5850MHz	4.49dBi

1.1.2 Accessory Information:

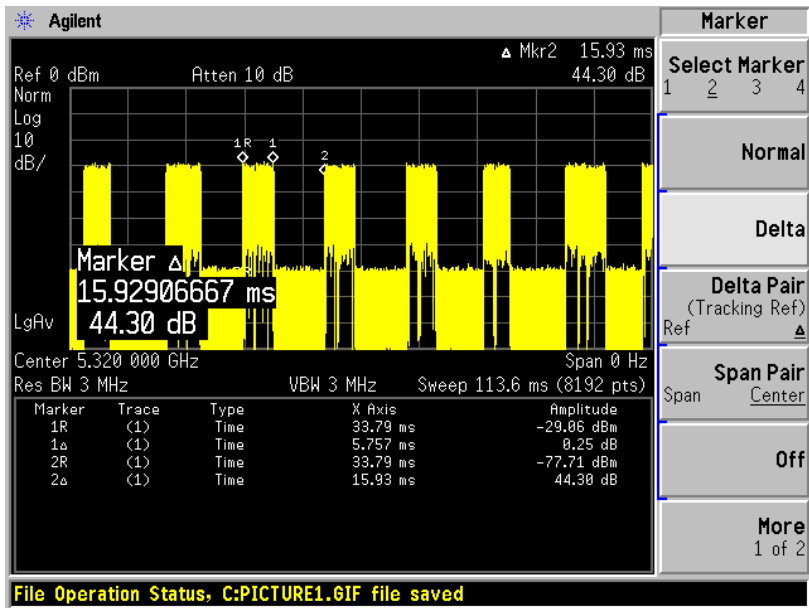
Accessory Description	Manufacturer	Model	Parameters
AC/DC Adapter	SHENZHEN HEWEISHUN NETWORK TECHNOLOGY CO.,LTD	BN017-A38048U	Input: 100-240Vac, 50/60Hz, 1.0A Output: DC48V, 0.8A
POE Adapter	IP-COM	Unknown	Output: DC48V

1.2 Description of Test Configuration

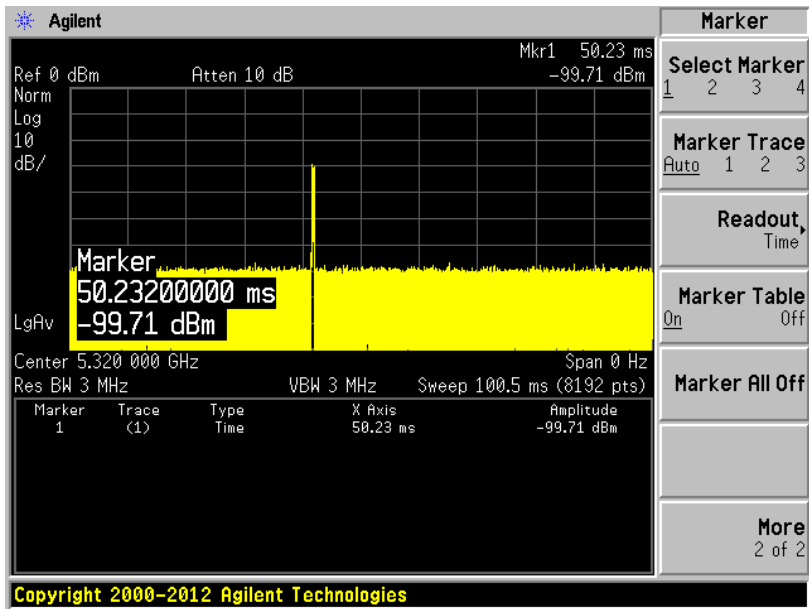
1.2.1 EUT Operation Condition:

EUT Operation Mode:	The system was configured for testing in Engineering Mode, which was provided by the manufacturer.	
Equipment Modifications:	No	
EUT Exercise Software:	Tfgen	
The software 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 pakge streamed from the Access Point to the Client using the software “Tfgen”. The following duty cycle was used when test:		

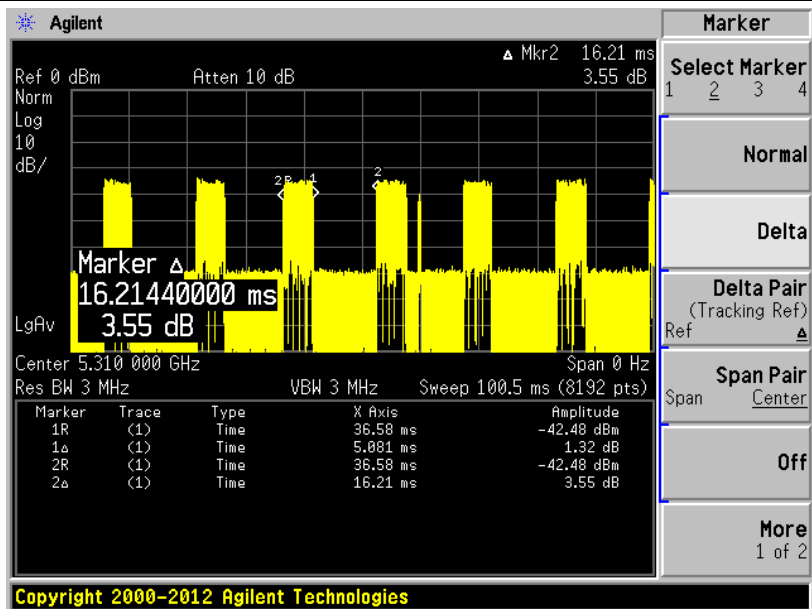
20MHz mode Traffic
Duty Cycle:
 $5.757 \times 7 / 113.6 = 35.47\%$



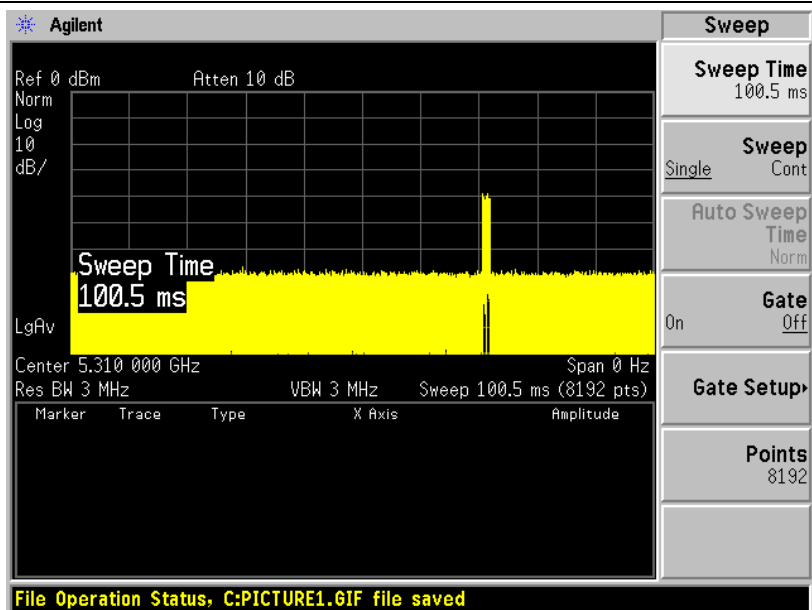
20MHz mode Without
Traffic



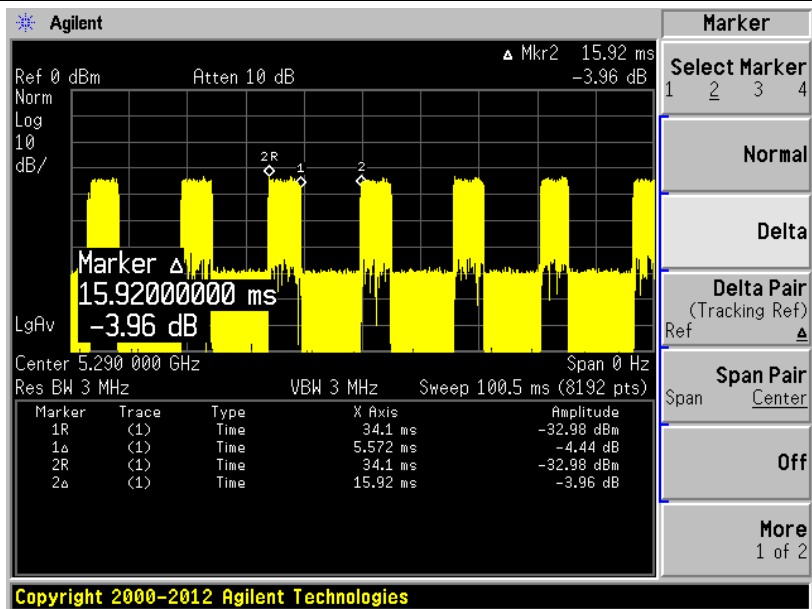
40MHz mode Traffic
Duty Cycle:
 $5.081 \times 6 / 100.5 = 30.33\%$



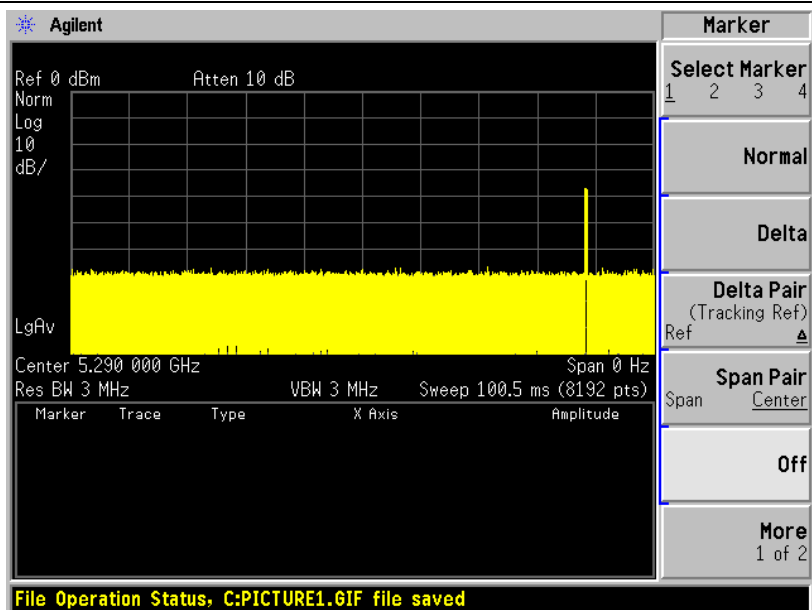
40MHz mode Without
Traffic



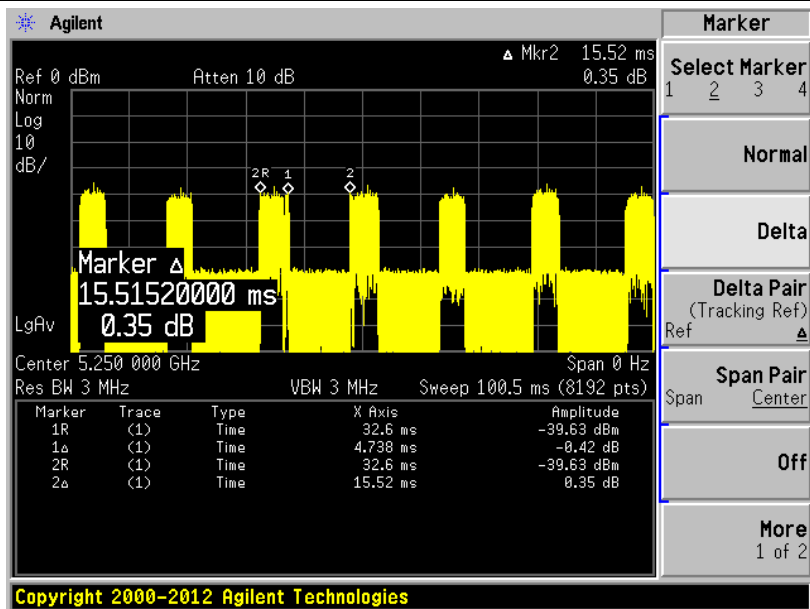
80MHz mode Traffic
Duty Cycle:
 $5.572 \times 6 / 100.5 = 33.27\%$



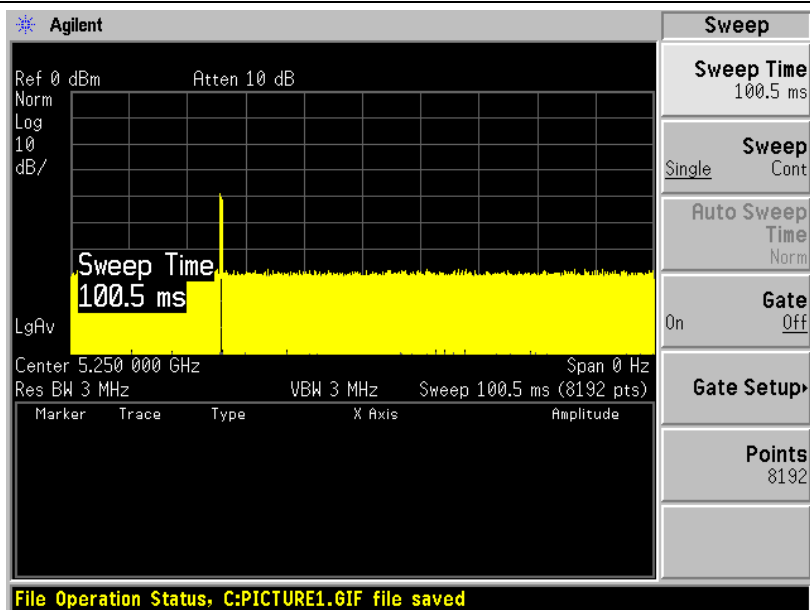
80MHz mode Without
Traffic



160MHz mode Traffic
Duty Cycle:
 $4.738 * 7 / 100.5 = 33.00\%$



160MHz mode Without
Traffic

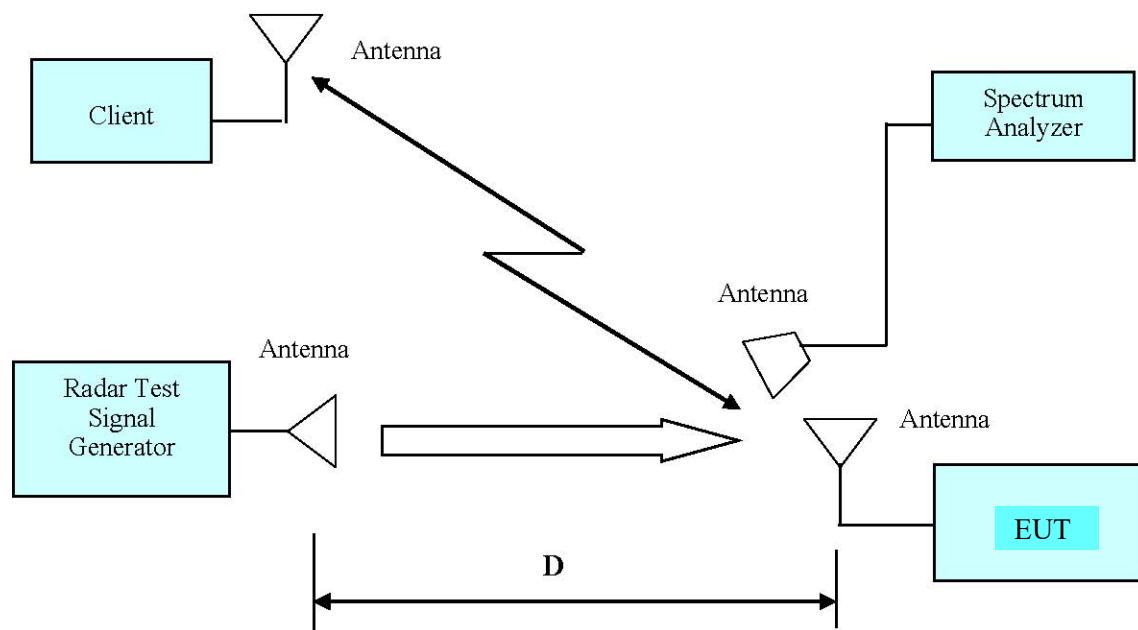


1.2.2 Support Equipment List and Details

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

1.2.3 Support Cable List and Details

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

1.2.4 Block Diagram of Test Setup

2. SUMMARY OF TEST RESULTS

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

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

3. REQUIREMENTS AND TEST PROCEDURES

3.1 DFS Requirement

CFR §47 Part 15.407(h)

FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

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

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

Table 2: Applicability of DFS requirements during normal operation

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

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

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

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

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
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 move</i> (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. 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	Roundup $\left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{SEC}}} \right) \right\}$	60%	30
		Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
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

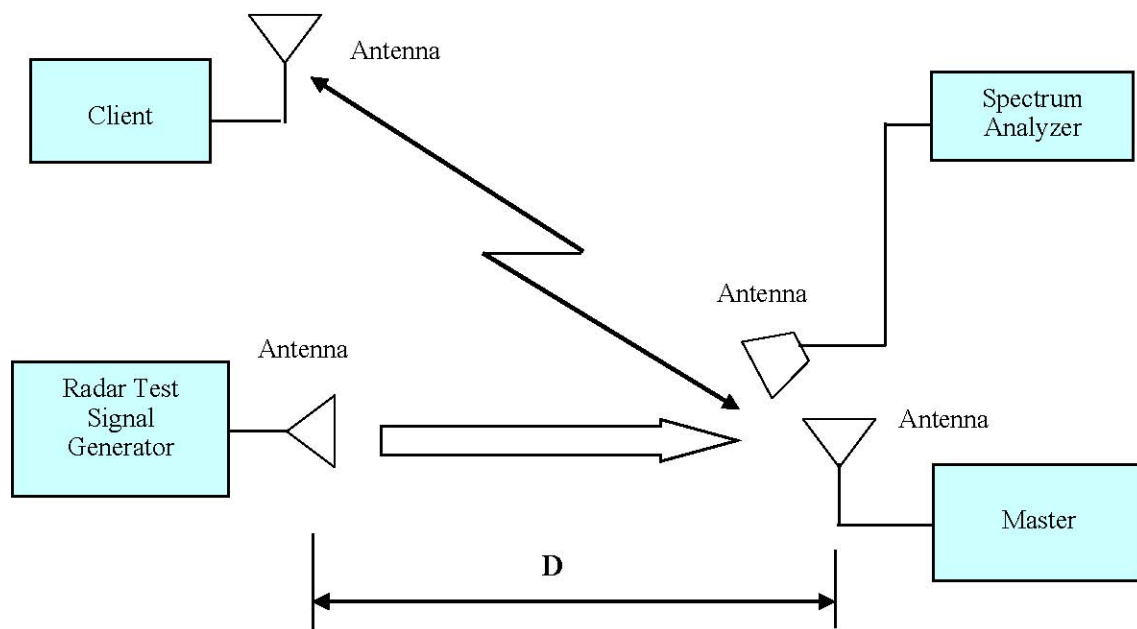
Table 7 – Frequency Hopping Radar Test Waveform

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:	1VQ9	Test Date:	2023/4/14~2023/4/24
Test Site:	RF	Test Mode:	Transmitting
Tester:	Ada Yan	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.5~24.8	Relative Humidity: (%)	59~67	ATM Pressure: (kPa)	100.1~100.6
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Test Equipment List and Details:

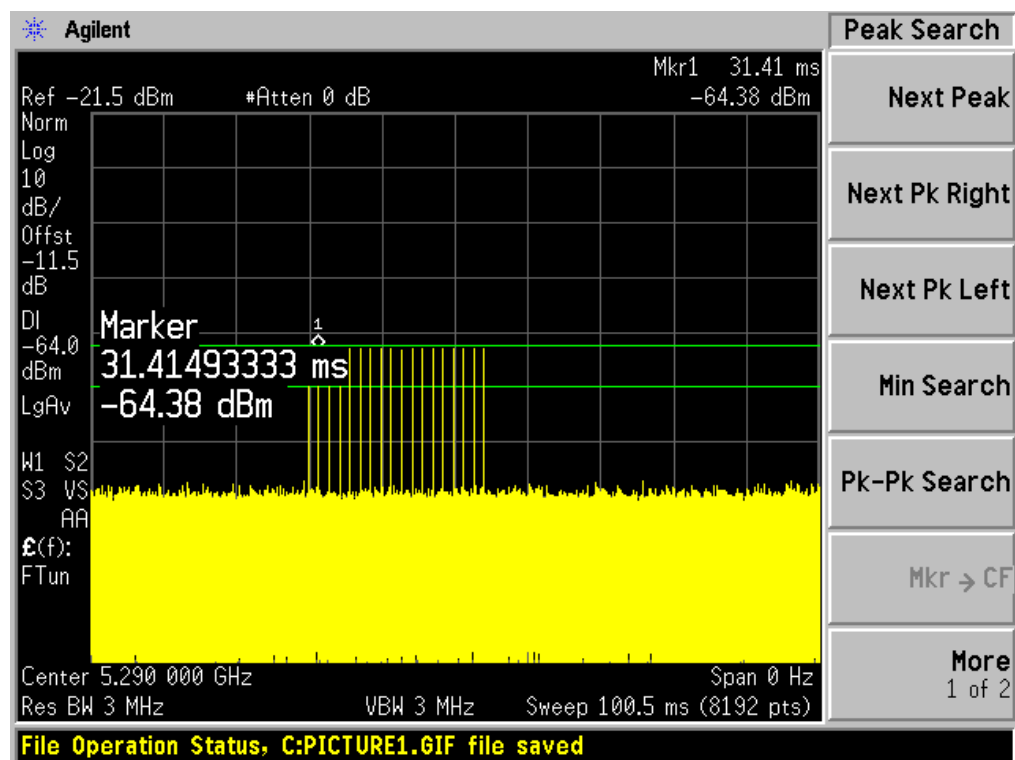
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
National Instruments	NI PXI-1042 8-Slot chassis	PXI-1042	VOBX40FBD	N/A	N/A
National Instruments	Arbitrary Waveform Generator	PXI-5421	N/A	N/A	N/A
National Instruments	RF Upconverter	PXI-5610	N/A	N/A	N/A
ASCOR	Upconverter	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
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020/10/13	2023/10/12

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

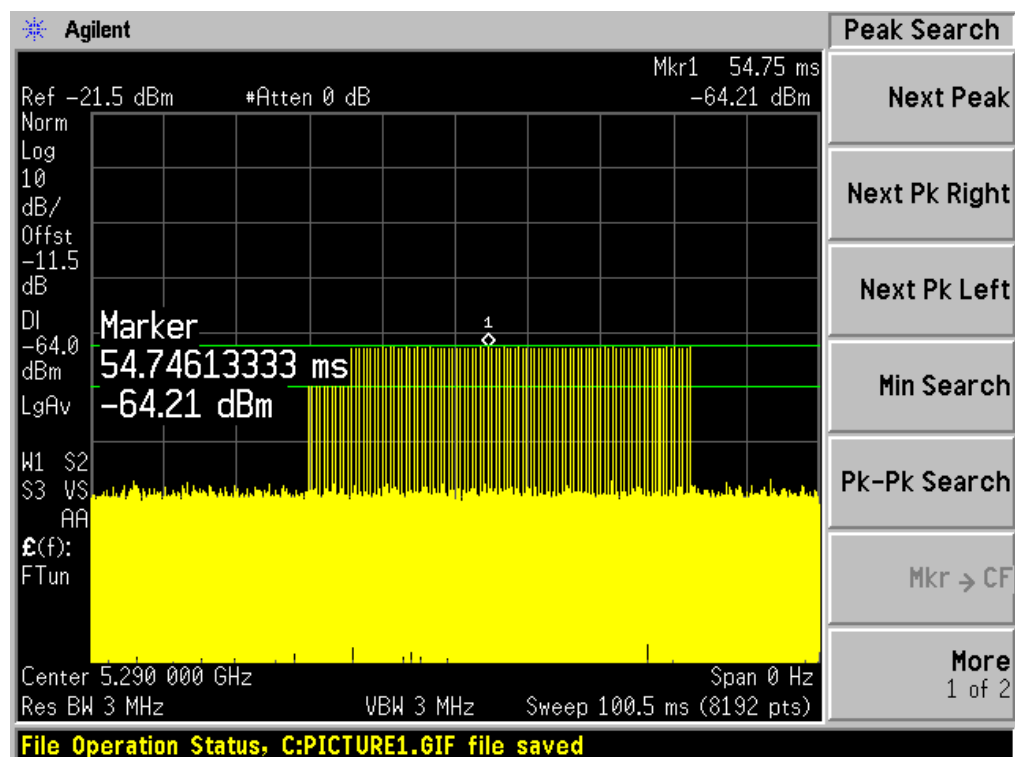
4.1 Radar Waveform Calibration

5290MHz:

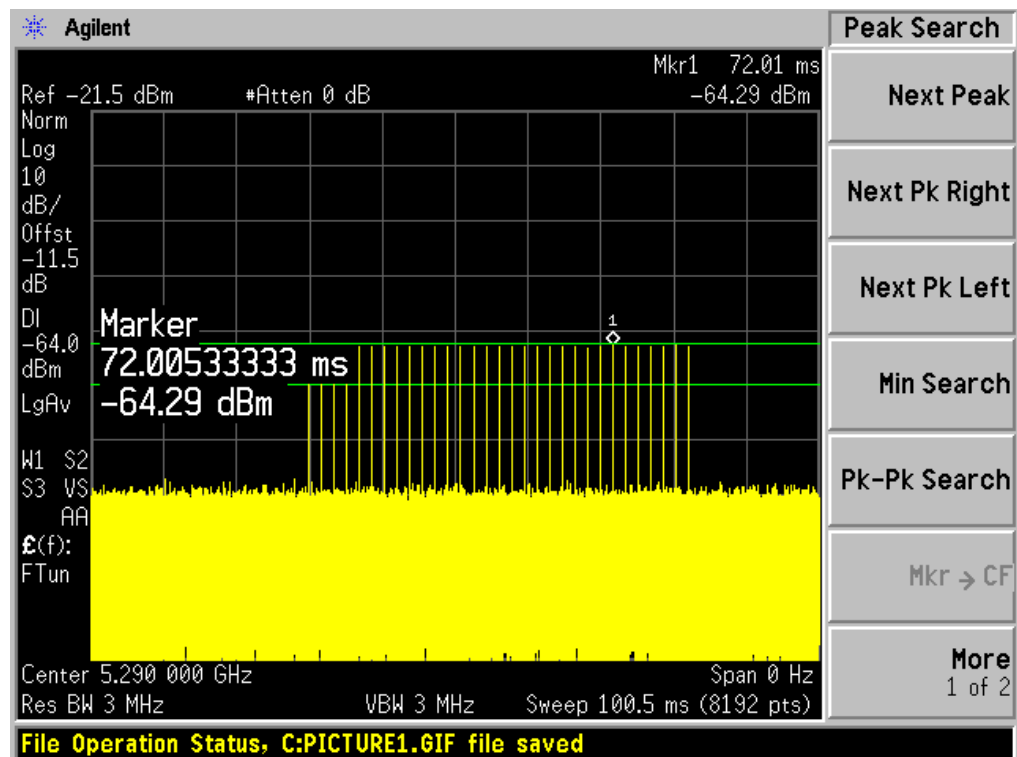
Radar Type 0



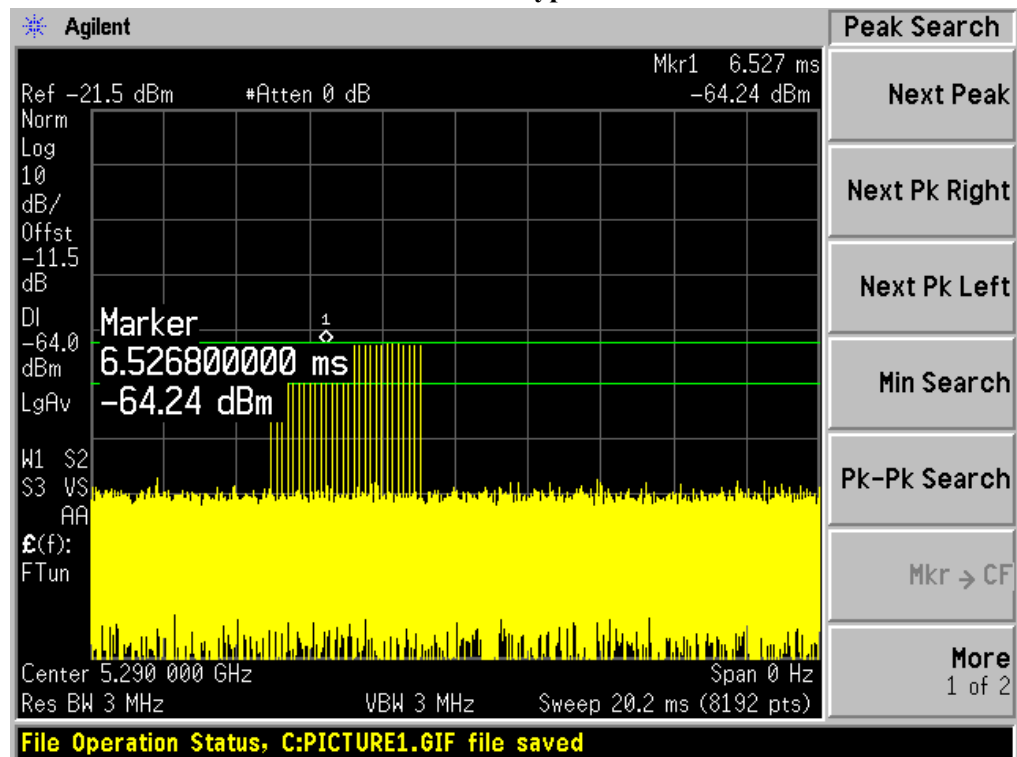
Radar Type 1A



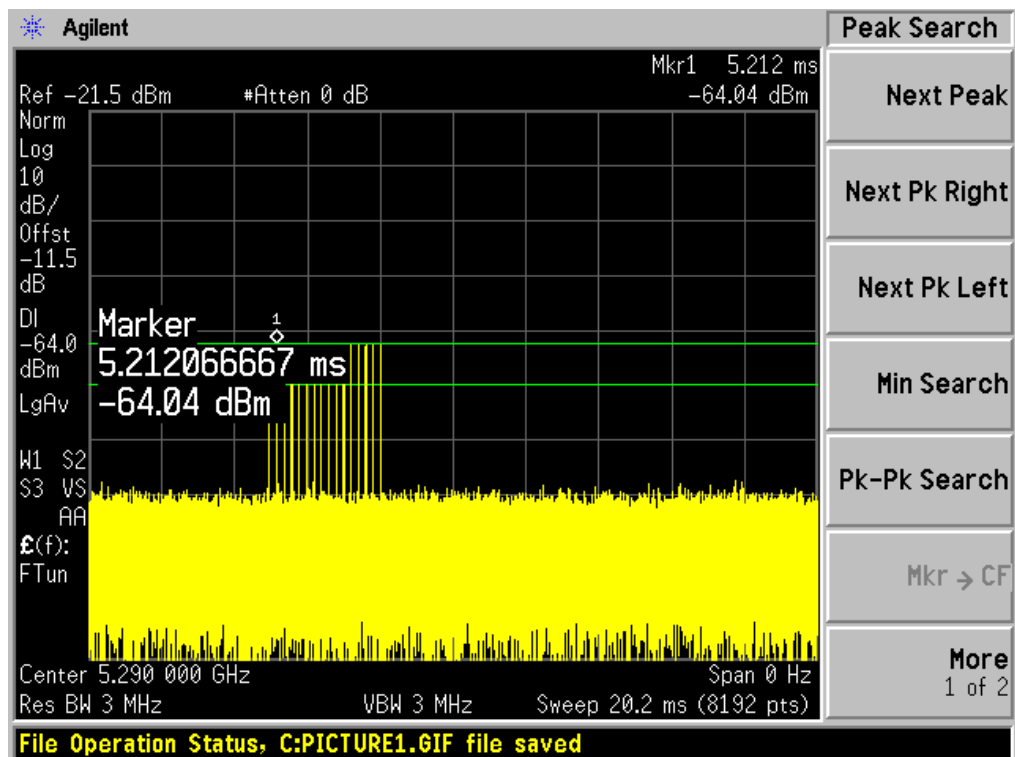
Radar Type 1B



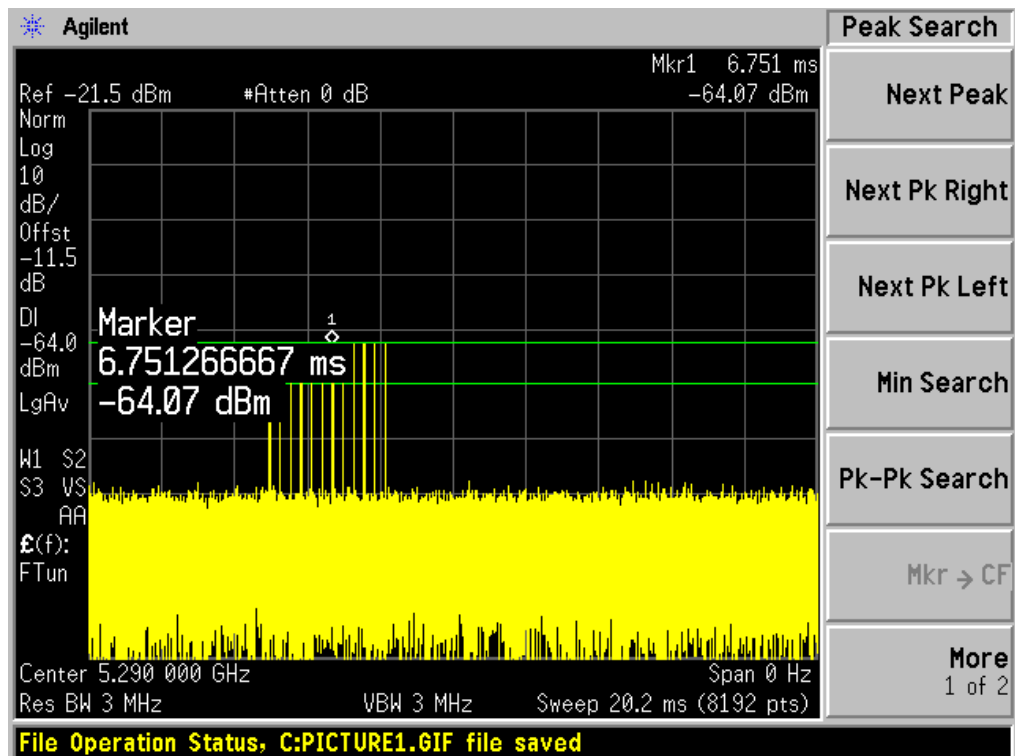
Radar Type 2



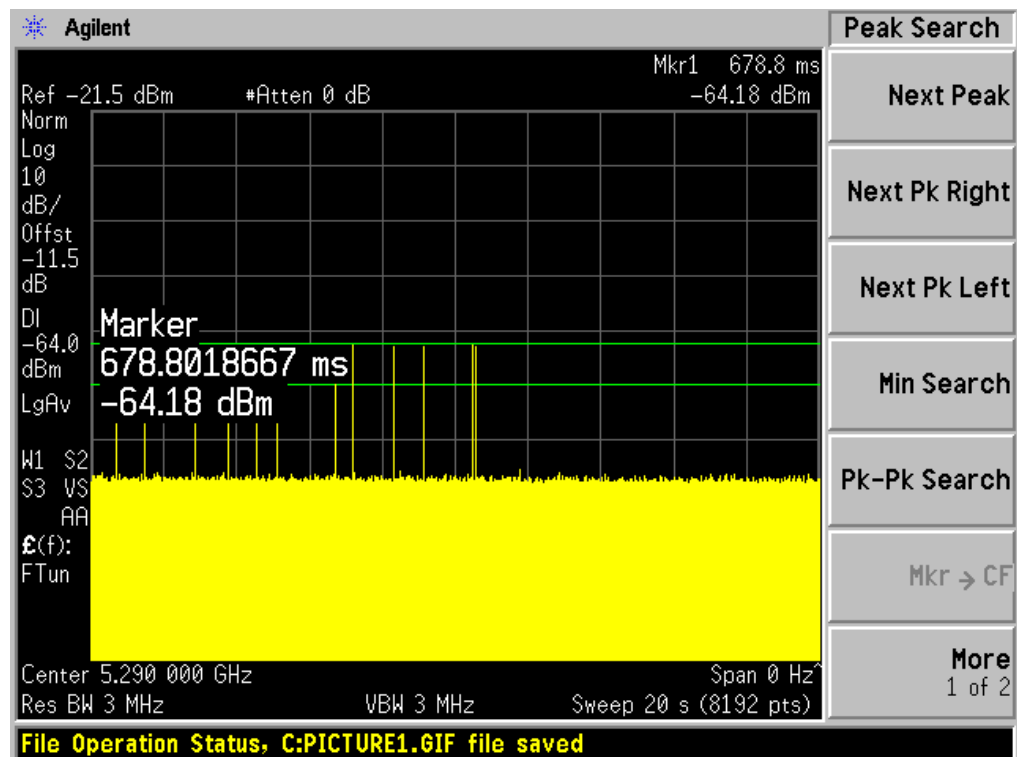
Radar Type 3



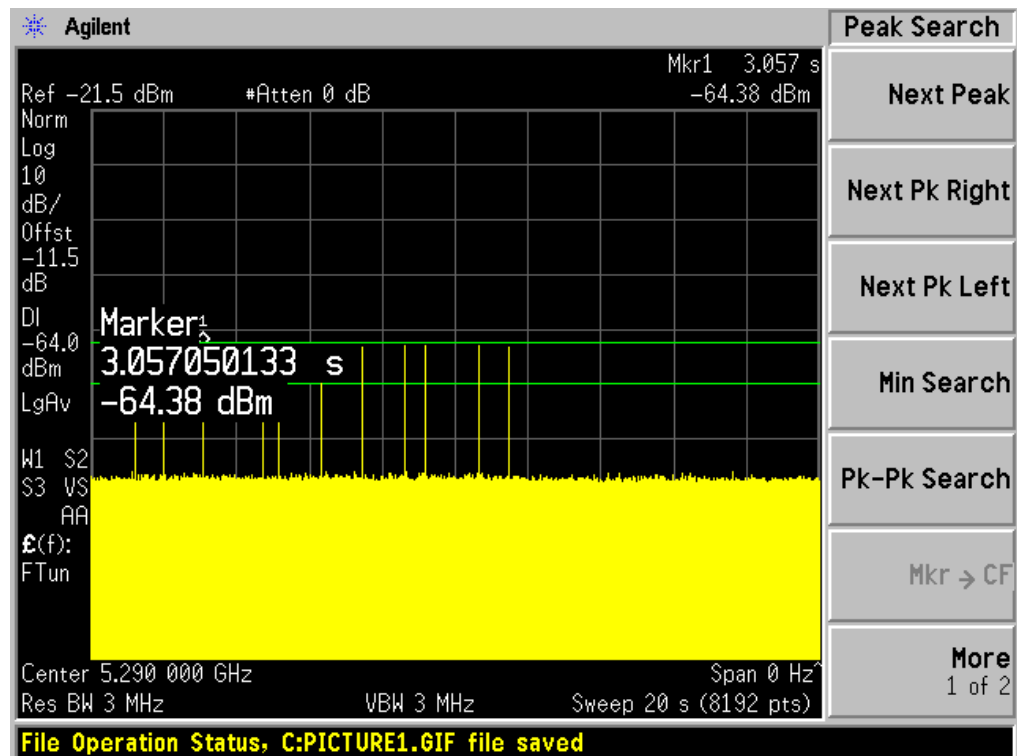
Radar Type 4



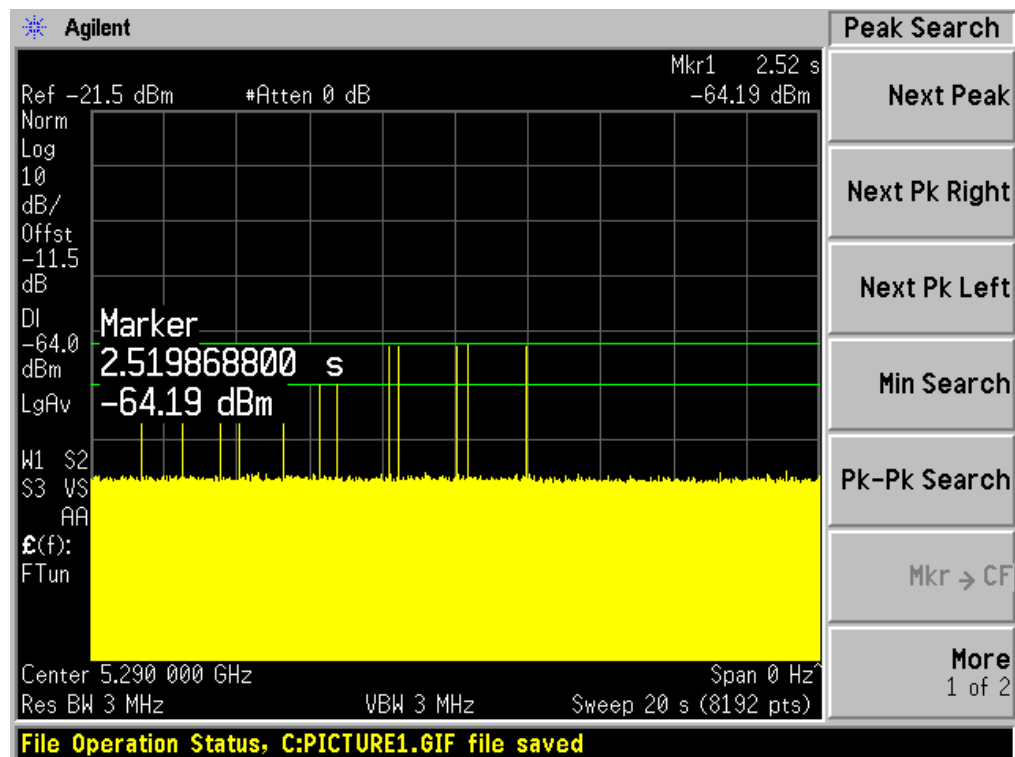
Radar Type 5 Case 1



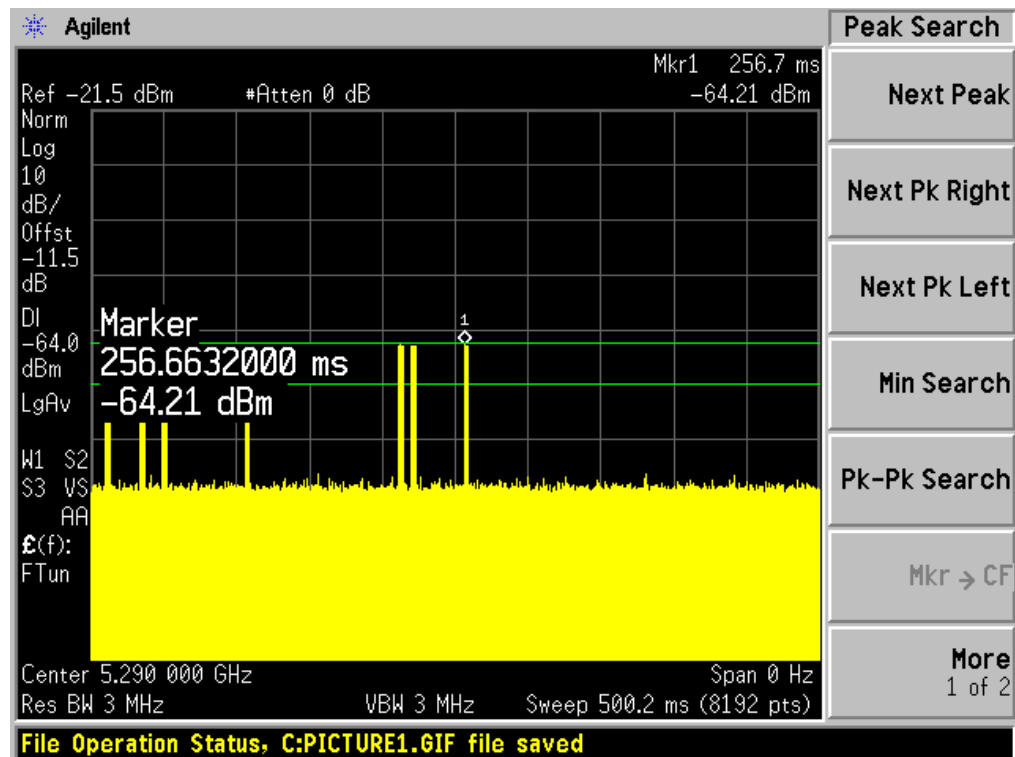
Radar Type 5 Case 2



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

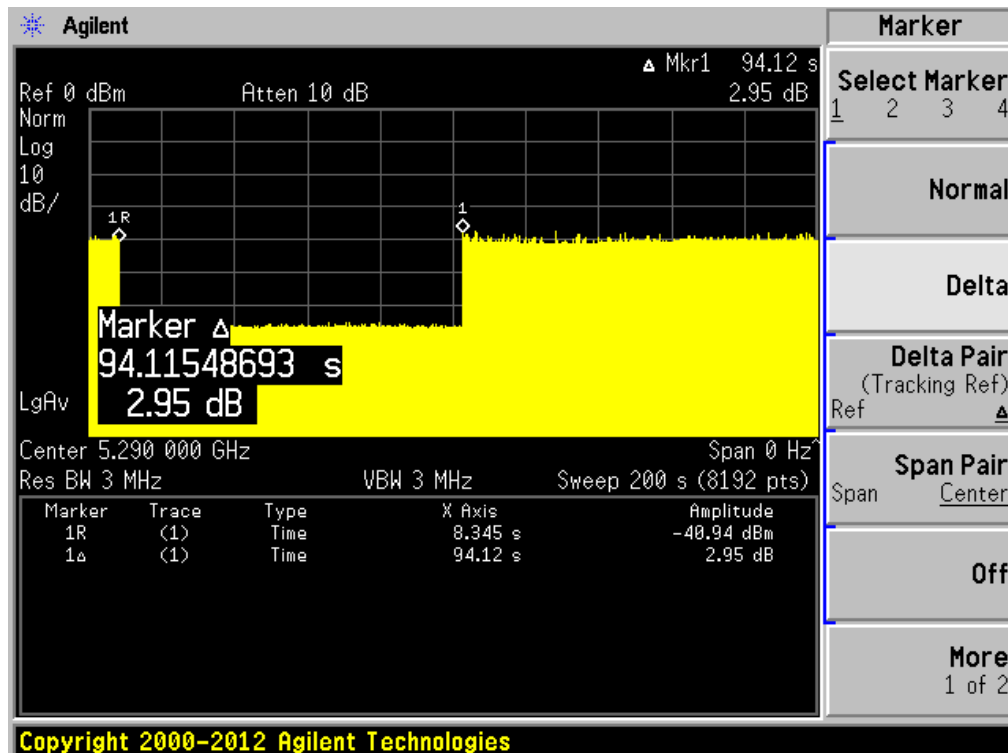
Test Frequency (MHz)	EUT initial Power-up cycle (Second)
5290	34.1

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

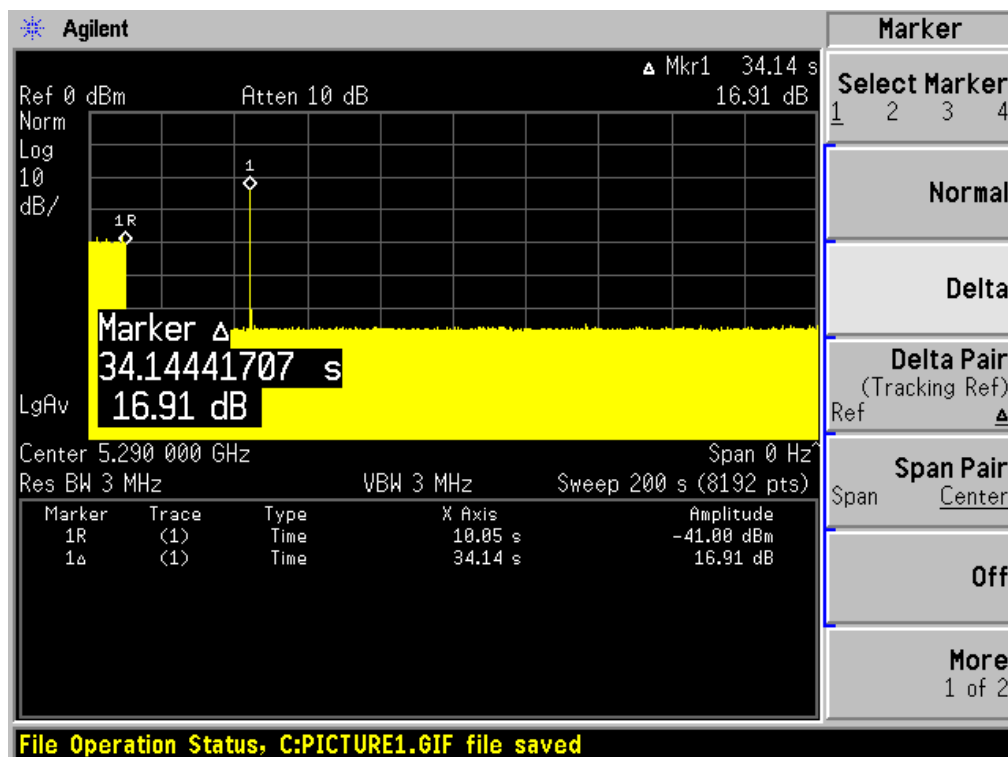
Please refer to the following plots.

Plot of without Radar signal applied



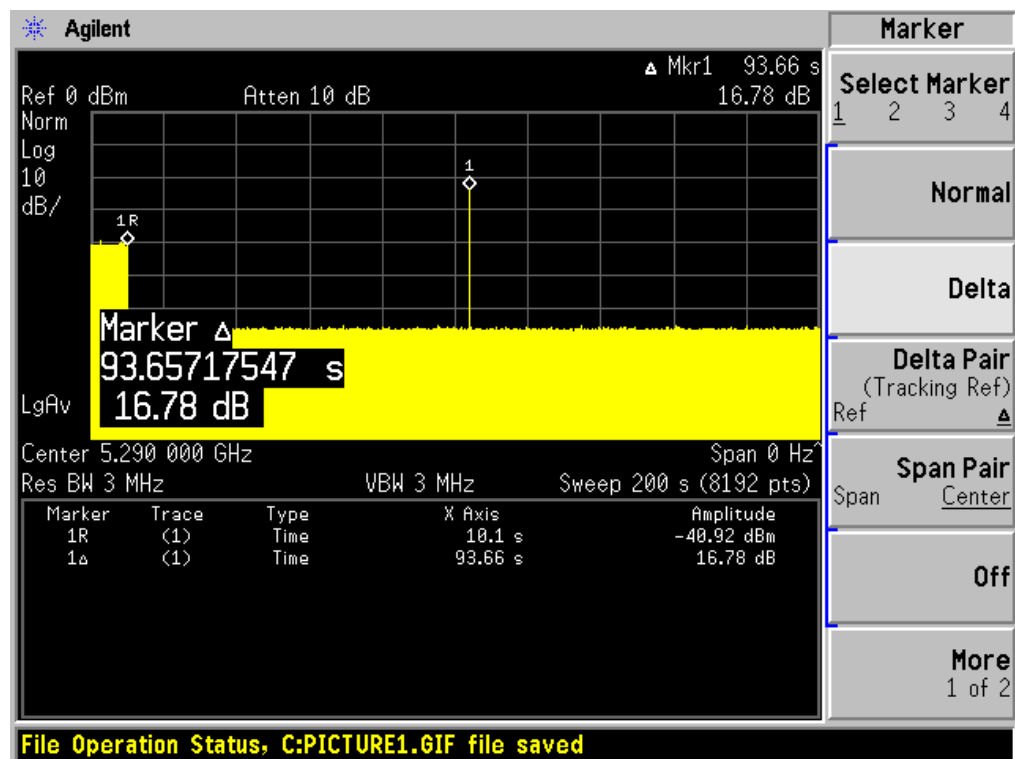
Note: The power-up cycle is 34.1 seconds.

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:

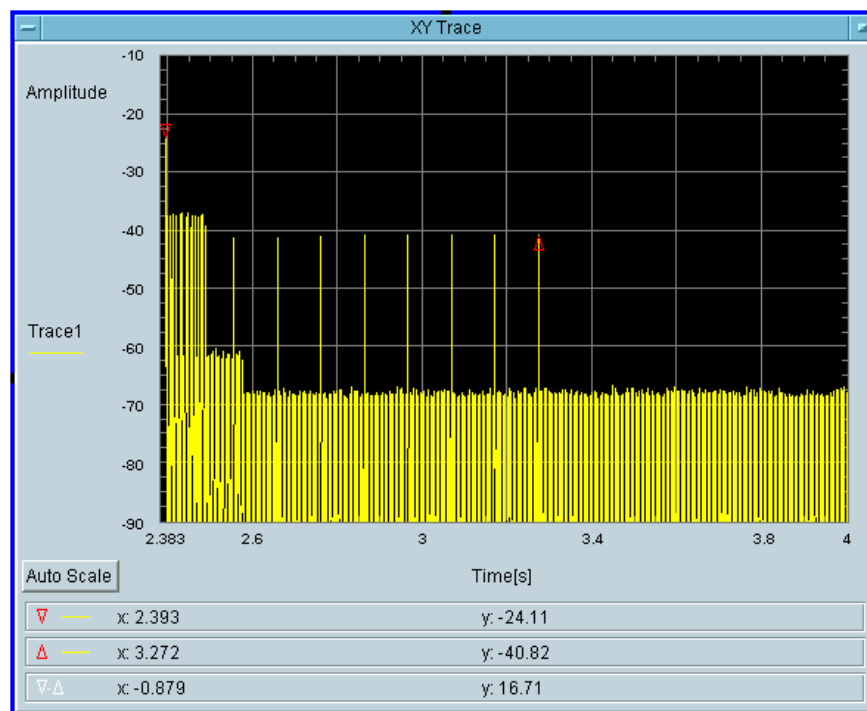
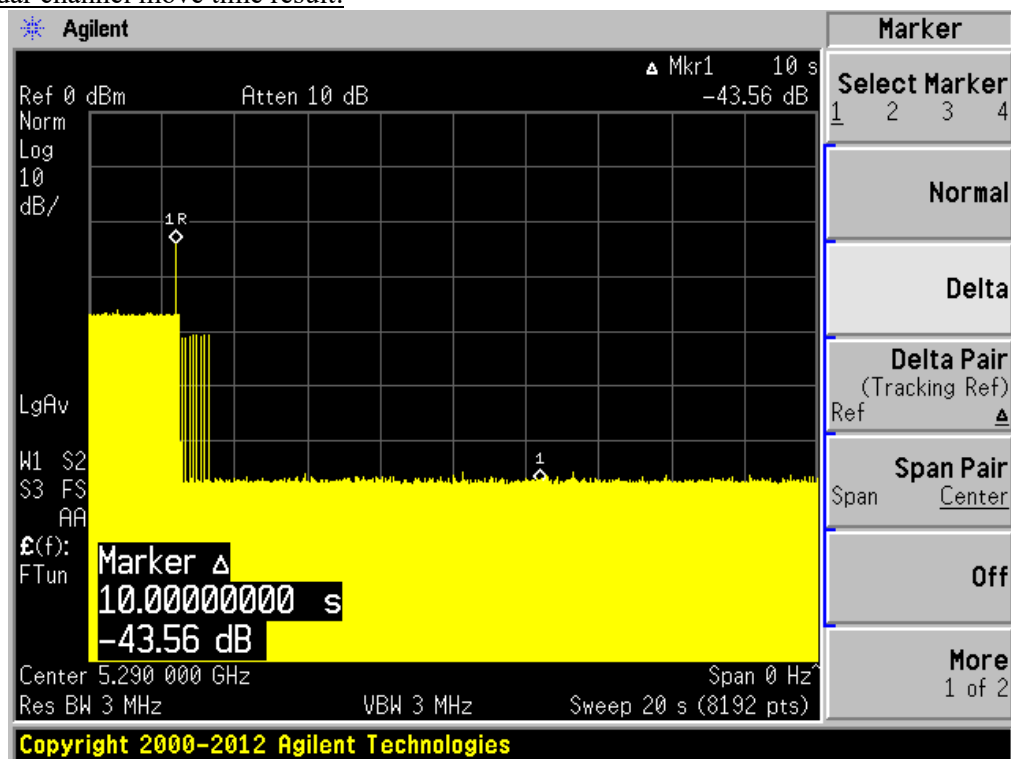
Type 0 radar channel move time result:

Channel Move Time (s)	Channel Move Time Limit (s)	Result
0.879	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	21.97	60	Pass

Type 0 radar channel move time result:



Total On Time [s]
0.1147

Total On Time After Delay [s]
21.97m

4.4 Non-occupancy Period

4.4.1 Test Procedure

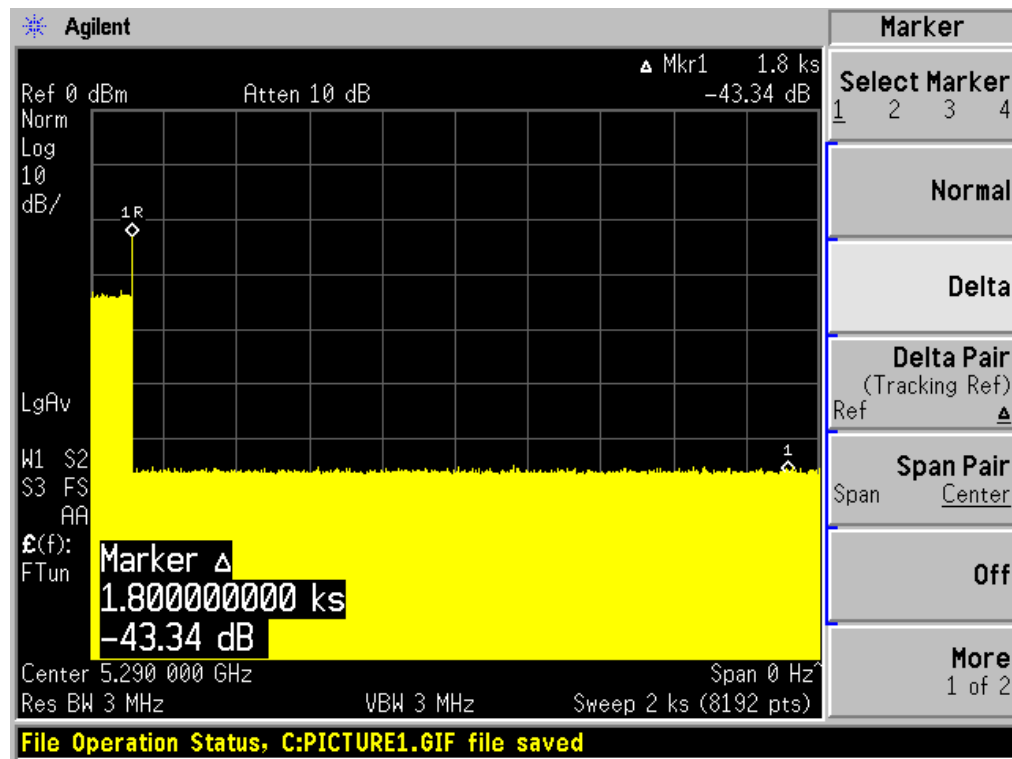
Measure the EUT for more than 30 minutes following the channel close/move time to very that the EUT does not resume any transmissions on this channel. Provide one plot to demonstrate no transmission on the channel for the non-occupancy period (30 minutes observation time)

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:

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

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	19.038	100%	Compliance
5310	40	5290	5330	40	37.945	100%	Compliance
5290	80	5250	5330	80	76.923	100%	Compliance
5250	160	5250	5330	80	157.6*	100%	Compliance

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

Please refer to the following tables.

Results of Detection Bandwidth:

20MHz Bandwidth, EUT Frequency = 5320MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5309	1	1	1	0	1	1	0	1	1	1	80 %
5310(F_L)	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	1	1	0	1	80 %
Detection Bandwidth = $F_H - F_L = 5330 - 5310 = 20\text{MHz}$											
EUT 99% BW = 19.038 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 (%)
5289	1	1	1	0	1	1	0	1	0	1	70 %
5290(F_L)	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	0	1	1	1	0	1	1	80 %
Detection Bandwidth = $F_H - F_L = 5330 - 5290 = 40\text{ MHz}$											
EUT 99% BW = 37.945MHz;											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	0	0	0	0	0	0	0	0	0	0	100 %
Detection Bandwidth = F _H – F _L = 5330-5250=80 MHz											
EUT 99% BW = 76.923 MHz;											Result: Pass

160MHz Bandwidth, EUT Frequency = 5290 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5250(F_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	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L = 5330 - 5250 = 80$ MHz											
EUT 99% BW = 157.6 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	100%	60%	pass
Type 2	30	90%	60%	Pass
Type 3	30	96.7%	60%	Pass
Type 4	30	100 %	60%	Pass
Aggregate(Type1 to 4)	120	96.67%	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	83	1	638	1
3	5290	65	1	818	1
4	5290	92	1	578	1
5	5290	62	1	858	1
6	5290	86	1	618	1
7	5290	59	1	898	1
8	5290	70	1	758	1
9	5290	76	1	698	1
10	5290	102	1	518	1
11	5290	58	1	918	1
12	5290	18	1	3066	1
13	5290	61	1	878	1
14	5290	57	1	938	1
15	5290	68	1	778	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	37	1	1461	1
2	5290	39	1	1362	1
3	5290	41	1	1314	1
4	5290	41	1	1315	1
5	5290	86	1	617	1
6	5290	23	1	2298	1
7	5290	32	1	1655	1
8	5290	32	1	1673	1
9	5290	93	1	570	1
10	5290	68	1	782	1
11	5290	24	1	2279	1
12	5290	56	1	950	1
13	5290	26	1	2040	1
14	5290	46	1	1160	1
15	5290	35	1	1531	1
Detection Percentage: 100 % (>60%)					

Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	27	4.6	210	0
2	5290	23	3	219	1
3	5290	28	3	226	0
4	5290	29	2.1	167	1
5	5290	24	3.3	217	1
6	5290	29	1.4	154	1
7	5290	24	2.8	214	1
8	5290	26	1.9	230	1
9	5290	26	1.4	183	1
10	5290	29	1.2	209	1
11	5290	29	2.1	226	1
12	5290	25	2.1	229	0
13	5290	27	5	178	1
14	5290	25	4.4	200	1
15	5290	27	3.9	161	1
16	5290	29	2.9	162	1
17	5290	24	4.4	202	1
18	5290	23	4.3	206	1
19	5290	24	2.9	212	1
20	5290	24	2.2	217	1
21	5290	27	3.2	202	1
22	5290	28	2.2	230	1
23	5290	23	3.8	213	1
24	5290	27	1.7	153	1
25	5290	26	2.8	153	1
26	5290	29	1.7	158	1
27	5290	29	3.8	223	1
28	5290	24	1.1	208	1
29	5290	25	4.9	161	1
30	5290	24	2.2	221	1
Detection Percentage: 90 % (>60%)					

Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	17	6.9	304	1
2	5290	18	8.5	374	1
3	5290	18	7.4	235	1
4	5290	18	8.6	437	1
5	5290	16	9.8	224	1
6	5290	16	9.3	298	1
7	5290	17	7.6	352	1
8	5290	16	7.3	395	1
9	5290	16	8.5	395	0
10	5290	16	6	378	1
11	5290	18	9.7	368	1
12	5290	17	9.6	232	1
13	5290	17	9.3	274	1
14	5290	18	9.9	422	1
15	5290	17	9.4	450	1
16	5290	16	7.7	312	1
17	5290	17	6.9	386	1
18	5290	17	9.5	380	1
19	5290	18	8.8	308	1
20	5290	17	8.4	330	1
21	5290	17	8	209	1
22	5290	17	6.4	318	1
23	5290	18	7.8	291	1
24	5290	16	7.2	216	1
25	5290	16	7.2	432	1
26	5290	16	6.6	200	1
27	5290	17	6.5	233	1
28	5290	16	6.5	315	1
29	5290	16	9.7	467	1
30	5290	16	9.4	429	1
Detection Percentage: 96.7% (>60%)					

Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	14	12.7	362	1
2	5290	15	14.9	447	1
3	5290	14	17.7	489	1
4	5290	13	11.3	324	1
5	5290	13	15	423	1
6	5290	15	16.3	463	1
7	5290	12	19.7	343	1
8	5290	14	16.6	436	1
9	5290	13	15.6	338	1
10	5290	16	13.4	223	1
11	5290	14	16.4	325	1
12	5290	14	19	461	1
13	5290	14	15.1	414	1
14	5290	15	11.1	267	1
15	5290	15	14.2	401	1
16	5290	13	17.7	246	1
17	5290	13	17.7	330	1
18	5290	13	13.1	485	1
19	5290	15	18.7	272	1
20	5290	15	18.7	393	1
21	5290	13	18.8	416	1
22	5290	12	16.3	285	1
23	5290	13	19.6	397	1
24	5290	12	15.8	266	1
25	5290	14	12.4	258	1
26	5290	15	18.8	497	1
27	5290	14	12.3	389	1
28	5290	15	13.9	358	1
29	5290	15	16.1	411	1
30	5290	15	15.1	401	1
Detection Percentage: 100 % (>60%)					

Radar Type 5 Case 1 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	5	54	1744		0.578598	1
1	2	5	80.1	1946		1.183385	
2	2	5	87.7	1772		1.45615	
3	3	5	64.1	1592	1661	1.957102	
4	2	5	61.8	1187		2.865544	
5	2	5	78.3	1659		3.424517	
6	1	5	62.1			3.922398	
7	2	5	74.3	1228		4.484707	
8	2	5	55.9	1737		5.2605	
9	2	5	83.1	1440		5.817295	
10	1	5	87.8			6.814156	
11	3	5	93.6	1335	1760	7.068014	
12	2	5	81.5	1943		7.61521	
13	2	5	94.7	1925		8.50354	
14	2	5	85.4	1487		9.04842	
15	2	5	64.9	1052		9.694492	
16	2	5	61.2	1672		10.276091	
17	2	5	55.2	1321		11.001449	
18	2	5	96	1021		11.509318	

Statistics 2 (ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	7	52	1120	1060	0.543327	1
1	2	7	96.8	1990		1.254234	
2	2	7	83.2	1315		1.869119	
3	2	7	96.5	1994		2.204244	
4	2	7	57.6	1080		2.984657	
5	2	7	74.8	1036		3.585962	
6	1	7	71.1			3.891022	
7	3	7	61.2	1181	1888	4.927656	
8	2	7	94.7	1371		5.639634	
9	3	7	50.9	1577	1294	5.947177	
10	3	7	67.3	1204	1513	6.727805	
11	2	7	63.4	1386		7.567915	
12	2	7	66.3	1675		7.95018	
13	2	7	87.8	1486		8.436007	
14	1	7	51.3			8.849787	
15	3	7	54.4	1279	1708	9.910735	
16	2	7	86.1	1887		10.119758	
17	3	7	78.8	1284	1990	10.942574	
18	3	7	76.4	1797	1233	11.695324	

Statistics 3 (ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	6	93	1305	1112	0.760209	1
1	3	6	55	1418	1422	1.548356	
2	1	6	65.3			2.351669	
3	2	6	91.9	1097		3.13273	
4	2	6	84.9	1462		4.74636	
5	2	6	64.4	1262		5.07877	
6	1	6	79.6			6.322375	
7	2	6	69.9	1830		7.704922	
8	1	6	53			8.339271	
9	3	6	74.1	1788	1517	9.765541	
10	3	6	79.2	1217	1373	10.035349	
11	2	6	90.4	1873		11.285346	

Statistics 4 (ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	7	79.2			0.470647	1
1	2	7	52.1	1868		0.945435	
2	3	7	77.6	1817	1057	1.219422	
3	2	7	82.7	1925		2.265839	
4	1	7	57.2			2.631946	
5	1	7	66.8			3.220799	
6	2	7	68.2	1882		3.946026	
7	2	7	57.4	1811		4.415564	
8	1	7	53.2			4.958931	
9	3	7	84.4	1230	1498	5.874887	
10	3	7	84.1	1156	1030	6.398697	
11	2	7	52.9	1307		7.163552	
12	2	7	55.9	1295		7.598101	
13	2	7	58.3	1364		8.136966	
14	2	7	63	1190		8.953378	
15	1	7	85.8			9.510662	
16	3	7	90.7	1472	1622	10.155611	
17	2	7	77.8	1960		10.733736	
18	2	7	64.3	1057		10.849269	
19	2	7	60.8	1717		11.53822	

Statistics 5(ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	7	97.6			0.231105	1
1	2	7	85.5	1435		1.480599	
2	3	7	73.3	1951	1811	1.667195	
3	2	7	74.8	1468		2.877214	
4	1	7	58.7			3.676992	
5	3	7	77	1387	1152	4.139736	
6	3	7	68.9	1613	1112	4.624892	
7	2	7	87.7	1753		5.361749	
8	1	7	60.1			6.568833	
9	1	7	63.6			6.990151	
10	3	7	97.3	1618	1402	8.232591	
11	2	7	86.6	1604		8.617686	
12	2	7	53.2	1269		9.568131	
13	2	7	53.1	1201		10.016336	
14	2	7	79.1	1844		10.566958	
15	2	7	88.7	1242		11.726894	

Statistics 6 (ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	13	59.4	1630	1305	0.623153	1
1	3	13	72.1	1524	1738	1.594846	
2	2	13	90.5	1542		2.81368	
3	3	13	53.2	1693	1519	3.96116	
4	3	13	84.2	1951	1837	4.332663	
5	3	13	57.6	1982	1836	5.324919	
6	3	13	70.7	1452	1514	6.897973	
7	2	13	76.2	1740		7.175932	
8	2	13	79.7	1659		8.390875	
9	2	13	77.7	1301		9.273181	
10	1	13	87.1			10.229586	
11	3	13	57.6	1668	1633	11.119678	

Statistics 7(ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	13	66.9	1650		0.483467	1
1	1	13	80.6			0.752353	
2	2	13	70.5	1268		1.313686	
3	3	13	88.5	1092	1167	2.008981	
4	2	13	77.7	1872		2.505932	
5	1	13	89			3.441658	
6	1	13	96.4			4.04942	
7	2	13	95.1	1204		4.557742	
8	1	13	74.2			4.973586	
9	3	13	55.8	1339	1277	5.575001	
10	2	13	65.4	1822		6.441632	
11	1	13	52.4			6.918521	
12	1	13	79.8			7.550569	
13	3	13	82.1	1152	1290	8.228839	
14	1	13	68.8			8.882378	
15	3	13	71.7	1810	1286	9.268287	
16	2	13	95.3	1338		10.174155	
17	2	13	96.2	1986		10.670785	
18	3	13	84.1	1638	1704	10.952054	
19	1	13	64			11.746415	

Statistics 8 (ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	7	69.1			0.079738	1
1	2	7	97.1	1018		1.587059	
2	3	7	58.9	1516	1805	1.641695	
3	2	7	78.7	1524		2.576532	
4	1	7	82.6			3.670702	
5	1	7	68.7			4.293217	
6	2	7	84.7	1552		4.98091	
7	2	7	91.8	1312		5.911764	
8	2	7	92.2	1854		6.875319	
9	1	7	93.7			7.59604	
10	2	7	71.8	1785		8.732904	
11	2	7	81	1164		9.378008	
12	3	7	84.5	1303	1205	10.292569	
13	1	7	88.4			10.468362	
14	1	7	80.2			11.2665	

Statistics 9 (ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	11	63.7	1350	1725	0.186781	1
1	2	11	81.4	1280		1.800036	
2	2	11	89.2	1596		2.286793	
3	3	11	76	1032	1776	3.417055	
4	3	11	85	1580	1436	4.392446	
5	2	11	57.9	1526		5.018471	
6	2	11	77.5	1273		6.329903	
7	3	11	88.1	1280	1644	7.46393	
8	1	11	50.4			8.630351	
9	2	11	61.5	1235		9.519806	
10	2	11	71.8	1178		10.879528	
11	3	11	65.6	1395	1646	11.089162	

Statistics 10 (ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	7	74.8			0.261426	1
1	2	7	78.3	1266		0.838172	
2	3	7	50.8	1077	1110	2.068085	
3	3	7	69.7	1158	1033	2.588683	
4	3	7	96.3	1466	1044	3.456544	
5	3	7	57.1	1680	1879	3.926473	
6	1	7	61.7			4.455333	
7	2	7	60.7	1868		5.553515	
8	3	7	58.6	1775	1935	5.65264	
9	2	7	87.5	1532		6.554248	
10	3	7	71	1503	1459	7.738465	
11	3	7	72.6	1998	1451	8.311832	
12	1	7	80.3			8.71452	
13	2	7	52.1	1299		9.642534	
14	2	7	60	1614		10.088584	
15	2	7	65.1	1390		11.037554	
16	3	7	50.7	1633	1849	11.866918	

Radar Type 5 Case 2 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5255 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	57.7			0.254609	1
1	2	12	79.3	1767		0.908584	
2	2	12	79.1	1737		1.875024	
3	2	12	77.6	1904		2.047761	
4	2	12	83.7	1396		3.198207	
5	1	12	94.7			3.875909	
6	3	12	94.1	1627	1871	4.001817	
7	3	12	55.4	1860	1505	4.988107	
8	3	12	51.1	1030	1302	5.928873	
9	2	12	58.7	1645		6.448343	
10	3	12	61.6	1472	1877	7.174127	
11	2	12	66.5	1580		7.913853	
12	1	12	71.4			8.309659	
13	2	12	94.5	1056		8.884509	
14	2	12	54.6	1450		9.725588	
15	2	12	76.4	1856		10.172133	
16	1	12	63.8			11.179707	
17	3	12	64.1	1042	1416	11.734317	

Statistics 2 (ChirpCenter Frequency: 5256.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	16	90	1488		0.262155	1
1	2	16	62	1861		1.390505	
2	2	16	75.3	1523		2.412757	
3	2	16	83.3	1266		3.201693	
4	1	16	50.9			4.733977	
5	1	16	51.2			5.234849	
6	1	16	54.1			6.617761	
7	2	16	96	1161		7.606283	
8	2	16	52.2	1139		8.569155	
9	2	16	80.9	1309		9.439735	
10	1	16	58.5			10.905456	
11	1	16	78.7			11.223773	

Statistics 3 (ChirpCenter Frequency: 5256.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	16	84.7	1100	1250	0.094069	1
1	3	16	57.7	1125	1733	1.809989	
2	1	16	60			2.440124	
3	1	16	55.4			3.116095	
4	2	16	71.2	1352		4.839388	
5	2	16	60.2	1090		5.414525	
6	2	16	58	1535		6.656141	
7	2	16	78.7	1499		7.368947	
8	2	16	87.9	1068		8.994501	
9	1	16	73.8			9.563623	
10	1	16	56.6			10.331116	
11	2	16	98.8	1773		11.453346	

Statistics 4 (ChirpCenter Frequency: 5253.0MHz)

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	82.5			0.538466	1
1	1	7	87.7			2.000659	
2	3	7	68.2	1706	1563	4.23829	
3	3	7	66.6	1607	1436	5.08692	
4	3	7	84.3	1221	1928	6.185551	
5	1	7	77.7			7.604065	
6	2	7	58.5	1665		9.85721	
7	2	7	94.5	1596		11.890491	

Statistics 5 (ChirpCenter Frequency: 5255.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	12	93.1			0.373965	1
1	1	12	55.7			1.213854	
2	3	12	75.9	1408	1611	3.329124	
3	2	12	65.5	1567		4.11044	
4	2	12	66.3	1935		5.935912	
5	2	12	84.2	1331		6.886124	
6	2	12	79.5	1658		8.232567	
7	3	12	80.5	1778	1724	9.069821	
8	2	12	64.9	1568		9.752359	
9	2	12	54.8	1416		11.726411	

Statistics 6 (ChirpCenter Frequency: 5257.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	18	91.2			0.507224	1
1	2	18	92.2	1616		1.096596	
2	1	18	53.4			2.259215	
3	2	18	90.5	1712		2.999666	
4	3	18	89.9	1850	1306	3.563855	
5	2	18	98.4	1493		4.556865	
6	3	18	62.7	1318	1250	5.256202	
7	1	18	77.7			6.396295	
8	2	18	81.4	1318		7.454831	
9	3	18	54.9	1540	1683	7.813381	
10	1	18	60.1			8.689582	
11	3	18	69.3	1776	1968	10.034554	
12	2	18	91.2	1470		10.95289	
13	2	18	59.7	1283		11.564664	

Statistics 7 (ChirpCenter Frequency: 5252.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	6	59.7	1392	1592	0.475259	1
1	2	6	81.9	1829		1.074833	
2	3	6	79.2	1794	1117	1.511451	
3	1	6	98.6			2.329167	
4	3	6	89.5	1536	1014	3.014186	
5	2	6	63	1308		3.802919	
6	2	6	74.3	1755		4.511276	
7	2	6	83.8	1113		5.257873	
8	2	6	91.2	1472		6.53106	
9	2	6	60.8	1223		7.339857	
10	2	6	73.3	1636		7.552208	
11	1	6	77			8.94376	
12	3	6	57.5	1081	1562	9.354435	
13	1	6	89			10.435166	
14	2	6	71.9	1858		10.960728	
15	2	6	98.6	1584		11.442296	

Statistics 8 (ChirpCenter Frequency: 5255.0 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	58.7	1146	1646	0.422866	1
1	2	12	78	1776		0.980257	
2	2	12	98.7	1761		2.249205	
3	1	12	81.9			3.317074	
4	3	12	82.8	1600	1279	3.981781	
5	1	12	94.6			5.08474	
6	3	12	59	1567	1557	5.578748	
7	2	12	88	1208		6.739472	
8	3	12	65.7	1229	1402	7.582907	
9	1	12	51.4			7.720532	
10	1	12	91.5			9.305182	
11	3	12	69.6	1749	1410	9.545336	
12	3	12	76.5	1187	1053	10.500104	
13	2	12	56.6	1373		11.556258	

Statistics 9 (ChirpCenter Frequency: 5254.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	10	58.2	1962	1162	0.903658	1
1	3	10	93.8	1217	1217	1.953859	
2	1	10	56.1			3.305907	
3	3	10	92.6	1813	1908	4.381828	
4	1	10	54.5			5.211801	
5	1	10	77.8			7.047212	
6	2	10	94.8	1665		7.489243	
7	2	10	58.2	1025		8.989485	
8	2	10	69.7	1604		10.156044	
9	2	10	88.2	1580		11.767335	

Statistics 10 (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	2	15	62.3	1678		0.253451	1
1	1	15	88.5			1.048257	
2	1	15	60.7			1.990498	
3	2	15	95.8	1020		2.418605	
4	1	15	65.1			3.403472	
5	1	15	91.6			4.134715	
6	3	15	90.1	1130	1733	4.583999	
7	3	15	67.9	1331	1323	5.35908	
8	2	15	87.1	1848		5.775846	
9	2	15	54.4	1450		6.743109	
10	2	15	70.1	1290		7.471014	
11	2	15	62.6	1809		8.105485	
12	2	15	74.9	1963		8.816069	
13	3	15	81.4	1038	1718	9.596976	
14	1	15	57.7			10.006277	
15	2	15	94.8	1355		10.676998	
16	2	15	94.1	1759		11.571339	

Radar Type 5 Case 3 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5324.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	14	63.1			0.042564	1
1	2	14	86.7	1096		1.064801	
2	2	14	86	1173		2.123236	
3	1	14	78.6			2.692588	
4	1	14	66.1			3.653153	
5	2	14	75.4	1668		4.30302	
6	1	14	80.2			5.452716	
7	1	14	72.3			5.81238	
8	3	14	75.9	1501	1854	6.435371	
9	1	14	54.8			7.436787	
10	2	14	86.2	1281		8.637888	
11	3	14	65.2	1670	1995	9.461214	
12	2	14	99.7	1111		10.205063	
13	2	14	78.7	1303		10.465213	
14	3	14	95.5	1141	1620	11.515023	

Statistics 2 (ChirpCenter Frequency: 5328.0MHz)

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	80.9	1438	1383	0.060118	1
1	3	6	94.3	1854	1944	1.292097	
2	2	6	75.1	1842		1.78156	
3	2	6	85.4	1236		2.210294	
4	2	6	56.4	1708		2.806272	
5	1	6	66.7			3.459162	
6	2	6	93.6	1390		4.573896	
7	2	6	82.6	1586		4.817972	
8	2	6	54.3	1236		5.986621	
9	2	6	60.8	1418		6.069225	
10	3	6	57.8	1512	1406	7.091653	
11	3	6	67.4	1172	1757	7.878732	
12	2	6	52.2	1995		8.07657	
13	2	6	61.2	1537		9.142586	
14	2	6	71.4	1394		9.59072	
15	2	6	61.9	1539		10.420616	
16	1	6	91.8			10.781281	
17	2	6	79.2	1058		11.572161	

Statistics 3 (ChirpCenter Frequency: 5326.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	10	91.6	1429	1990	0.534852	1
1	2	10	84.8	1045		1.187772	
2	3	10	56.1	1515	1140	1.64216	
3	2	10	85.9	1457		2.262734	
4	3	10	94.2	1783	1196	3.120181	
5	2	10	92.1	1867		3.386159	
6	1	10	57.9			4.064023	
7	1	10	93.7			5.022474	
8	3	10	89.7	1553	1405	5.190102	
9	3	10	62.4	1696	1767	5.940387	
10	2	10	72.3	1754		6.795237	
11	1	10	52.7			7.028774	
12	1	10	69.9			8.124317	
13	2	10	94.7	1035		8.69739	
14	2	10	77.5	1869		9.443462	
15	3	10	80.7	1464	1288	9.869291	
16	1	10	98.9			10.115717	
17	2	10	62.1	1729		10.999308	
18	1	10	59.1			11.426084	

Statistics 4 (ChirpCenter Frequency: 5325.0MHz)

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	70.8	1326		0.166337	1
1	2	13	68	1569		1.544491	
2	1	13	71.9			2.03604	
3	1	13	88.2			2.916127	
4	3	13	73.3	1238	1810	4.186668	
5	2	13	90.5	1937		5.47273	
6	2	13	88.9	1709		6.237559	
7	2	13	87.4	1144		6.609352	
8	2	13	91.9	1363		8.049501	
9	3	13	74.3	1463	1631	9.124367	
10	3	13	64.6	1634	1646	9.756781	
11	2	13	72.3	1165		10.468499	
12	2	13	90.5	1112		11.454586	

Statistics 5 (ChirpCenter Frequency: 5326.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	11	94	1177		0.054008	1
1	2	11	62.8	1340		2.50641	
2	2	11	91.2	1071		3.639856	
3	2	11	69.8	1525		4.560877	
4	2	11	57.4	1171		6.587199	
5	2	11	82.7	1148		6.894926	
6	2	11	93.8	1224		8.572749	
7	3	11	71.7	1774	1538	10.386388	
8	2	11	93.9	1210		11.027831	

Statistics 6 (ChirpCenter Frequency: 5326.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	9	79.7	1477	1203	0.084315	1
1	3	9	99.6	1565	1930	1.589644	
2	2	9	56.7	1644		3.056865	
3	1	9	67.9			4.838468	
4	2	9	64.9	1743		6.589607	
5	1	9	73.3			8.879773	
6	1	9	81.1			9.510767	
7	2	9	64.8	1784		10.588807	

Statistics 7 (ChirpCenter Frequency: 5327.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	7	89.3	1185		0.580631	1
1	3	7	90.9	1546	1042	1.484589	
2	1	7	62.7			3.124748	
3	1	7	80.8			4.127367	
4	1	7	51.6			4.812163	
5	3	7	98.1	1918	1436	7.081186	
6	2	7	63.2	1653		8.087932	
7	1	7	74.7			9.309886	
8	2	7	97.9	1803		10.785994	
9	1	7	87.4			11.250504	

Statistics 8 (ChirpCenter Frequency: 5324.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	14	99.3	1902		0.389965	1
1	3	14	82.9	1382	1204	1.018578	
2	2	14	99.2	1769		1.597198	
3	1	14	62.6			2.510915	
4	2	14	59.9	1138		2.720154	
5	2	14	50.7	1879		3.375203	
6	3	14	70.7	1005	1894	4.009635	
7	1	14	90.5			5.034074	
8	1	14	97.7			5.441464	
9	2	14	84.6	1135		6.541651	
10	2	14	64.1	1983		6.808413	
11	2	14	98.6	1330		7.791168	
12	2	14	99.2	1158		8.198617	
13	3	14	71.8	1472	1191	8.705365	
14	1	14	56.3			9.803909	
15	2	14	86.4	1949		10.493601	
16	2	14	88.8	1081		11.007949	
17	2	14	76.7	1704		11.340242	

Statistics 9 (ChirpCenter Frequency: 5324.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	16	68.2	1313		0.128955	1
1	2	16	52.2	1734		1.174249	
2	2	16	96.8	1223		1.705141	
3	2	16	56.4	1826		2.457013	
4	3	16	78.9	1478	1164	3.301378	
5	1	16	78.3			4.068824	
6	3	16	90.7	1064	1967	4.505272	
7	2	16	95.7	1311		5.453939	
8	1	16	59			5.668103	
9	3	16	76.4	1424	1319	6.555614	
10	2	16	76.7	1504		7.759146	
11	2	16	53.3	1576		7.853362	
12	2	16	81.3	1213		8.9842	
13	1	16	63.1			9.566632	
14	2	16	94.9	1741		10.58001	
15	3	16	96	1048	1352	11.035861	
16	3	16	57.8	1696	1548	11.587832	

Statistics 10 (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	91.7	1725		0.000878	1
1	2	16	85.1	1641		1.097997	
2	3	16	88.3	1594	1663	1.402031	
3	2	16	82.1	1870		1.990097	
4	1	16	68.3			2.990229	
5	2	16	93.7	1234		3.185305	
6	1	16	55.8			3.643554	
7	1	16	93.9			4.512759	
8	2	16	68.1	1717		5.14973	
9	3	16	52.3	1970	1690	5.939321	
10	3	16	98.8	1749	1325	6.026694	
11	2	16	84.7	1140		7.094008	
12	3	16	91.4	1411	1973	7.585693	
13	2	16	54.8	1598		8.029815	
14	1	16	51.8			8.879355	
15	3	16	54.4	1600	1243	9.048555	
16	2	16	68.4	1184		9.850548	
17	2	16	62.1	1896		10.410142	
18	2	16	62.9	1539		10.880274	
19	3	16	51	1057	1460	11.481329	

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	5522.0, 5488.0, 5711.0, 5494.0, 5309.0, 5393.0, 5660.0, 5582.0, 5630.0, 5659.0, 5326.0, 5444.0, 5656.0, 5293.0, 5363.0, 5435.0, 5592.0, 5351.0, 5272.0, 5350.0, 5258.0, 5567.0, 5487.0, 5605.0, 5676.0, 5658.0, 5302.0, 5577.0, 5436.0, 5506.0, 5596.0, 5282.0, 5675.0, 5603.0, 5643.0, 5478.0, 5685.0, 5456.0, 5563.0, 5301.0, 5706.0, 5707.0, 5485.0, 5460.0, 5594.0, 5613.0, 5372.0, 5661.0, 5513.0, 5687.0, 5339.0, 5465.0, 5373.0, 5580.0, 5483.0, 5535.0, 5415.0, 5511.0, 5414.0, 5370.0, 5662.0, 5722.0, 5710.0, 5417.0, 5497.0, 5720.0, 5617.0, 5654.0, 5517.0, 5623.0, 5518.0, 5495.0, 5492.0, 5619.0, 5574.0, 5399.0, 5253.0, 5443.0, 5449.0, 5256.0, 5252.0, 5448.0, 5264.0, 5609.0, 5385.0, 5395.0, 5412.0, 5368.0, 5704.0, 5673.0, 5375.0, 5525.0, 5512.0, 5584.0, 5694.0, 5439.0, 5510.0, 5390.0, 5365.0, 5261.0
2	5290	9	1	333	1	5357.0, 5637.0, 5351.0, 5562.0, 5499.0, 5528.0, 5610.0, 5539.0, 5345.0, 5339.0, 5472.0, 5336.0, 5267.0, 5434.0, 5546.0, 5508.0, 5265.0, 5473.0, 5501.0, 5456.0, 5724.0, 5306.0, 5431.0, 5299.0, 5294.0, 5281.0, 5262.0, 5319.0, 5259.0, 5551.0, 5450.0, 5383.0, 5507.0, 5568.0, 5468.0, 5326.0, 5644.0, 5350.0, 5566.0, 5476.0, 5483.0, 5612.0, 5533.0, 5700.0, 5538.0, 5709.0, 5397.0, 5251.0, 5484.0, 5454.0, 5537.0, 5606.0, 5430.0, 5252.0, 5705.0, 5496.0, 5394.0, 5509.0, 5485.0, 5604.0, 5344.0, 5693.0, 5348.0, 5478.0, 5409.0, 5279.0, 5535.0, 5684.0, 5255.0, 5522.0, 5380.0, 5642.0, 5369.0, 5654.0, 5712.0, 5717.0, 5403.0, 5324.0, 5605.0, 5683.0, 5598.0, 5469.0, 5645.0, 5614.0, 5295.0, 5291.0, 5391.0, 5327.0, 5465.0, 5567.0, 5402.0, 5632.0, 5680.0, 5597.0, 5512.0, 5438.0, 5651.0, 5374.0, 5656.0, 5698.0
3	5290	9	1	333	1	5298.0, 5345.0, 5682.0, 5625.0, 5280.0, 5472.0, 5311.0, 5487.0, 5360.0, 5343.0, 5581.0, 5559.0, 5328.0, 5471.0, 5674.0, 5700.0, 5264.0, 5275.0, 5631.0, 5722.0, 5289.0, 5285.0, 5704.0, 5652.0, 5576.0, 5708.0, 5647.0, 5435.0, 5716.0, 5411.0, 5547.0, 5269.0, 5587.0, 5623.0, 5614.0, 5521.0, 5432.0, 5387.0, 5373.0, 5475.0, 5256.0, 5370.0, 5622.0, 5390.0, 5300.0, 5555.0, 5267.0, 5656.0, 5546.0, 5499.0, 5344.0, 5605.0, 5590.0, 5506.0, 5251.0, 5375.0, 5601.0, 5397.0, 5664.0, 5519.0, 5474.0, 5551.0, 5691.0, 5577.0, 5384.0

						5612.0, 5608.0, 5603.0, 5307.0, 5510.0, 5677.0, 5262.0, 5299.0, 5505.0, 5266.0, 5484.0, 5630.0, 5596.0, 5600.0, 5597.0, 5443.0, 5574.0, 5425.0, 5679.0, 5408.0, 5616.0, 5417.0, 5354.0, 5424.0, 5286.0, 5689.0, 5537.0, 5541.0, 5669.0, 5629.0, 5670.0, 5348.0, 5621.0, 5678.0, 5638.0
4	5290	9	1	333	1	5600.0, 5684.0, 5452.0, 5333.0, 5267.0, 5395.0, 5381.0, 5717.0, 5306.0, 5346.0, 5641.0, 5458.0, 5477.0, 5414.0, 5494.0, 5378.0, 5411.0, 5316.0, 5651.0, 5404.0, 5716.0, 5362.0, 5499.0, 5257.0, 5360.0, 5667.0, 5702.0, 5621.0, 5463.0, 5349.0, 5282.0, 5252.0, 5522.0, 5642.0, 5691.0, 5331.0, 5464.0, 5455.0, 5578.0, 5512.0, 5614.0, 5627.0, 5488.0, 5397.0, 5462.0, 5535.0, 5569.0, 5708.0, 5659.0, 5290.0, 5565.0, 5377.0, 5603.0, 5371.0, 5584.0, 5656.0, 5364.0, 5564.0, 5448.0, 5491.0, 5409.0, 5712.0, 5408.0, 5366.0, 5596.0, 5623.0, 5437.0, 5606.0, 5503.0, 5586.0, 5365.0, 5652.0, 5274.0, 5428.0, 5459.0, 5326.0, 5624.0, 5293.0, 5383.0, 5358.0, 5609.0, 5504.0, 5547.0, 5385.0, 5320.0, 5468.0, 5295.0, 5348.0, 5482.0, 5682.0, 5696.0, 5387.0, 5527.0, 5386.0, 5283.0, 5343.0, 5497.0, 5444.0, 5255.0, 5289.0
5	5290	9	1	333	1	5534.0, 5431.0, 5679.0, 5546.0, 5294.0, 5486.0, 5676.0, 5310.0, 5283.0, 5343.0, 5521.0, 5441.0, 5432.0, 5634.0, 5290.0, 5435.0, 5478.0, 5355.0, 5449.0, 5605.0, 5644.0, 5271.0, 5612.0, 5308.0, 5589.0, 5510.0, 5616.0, 5260.0, 5251.0, 5407.0, 5655.0, 5254.0, 5275.0, 5502.0, 5565.0, 5618.0, 5416.0, 5702.0, 5574.0, 5305.0, 5440.0, 5322.0, 5602.0, 5406.0, 5383.0, 5386.0, 5707.0, 5378.0, 5353.0, 5695.0, 5273.0, 5709.0, 5373.0, 5675.0, 5501.0, 5347.0, 5258.0, 5389.0, 5601.0, 5358.0, 5624.0, 5557.0, 5646.0, 5548.0, 5611.0, 5331.0, 5368.0, 5613.0, 5313.0, 5595.0, 5570.0, 5419.0, 5705.0, 5683.0, 5626.0, 5380.0, 5420.0, 5564.0, 5387.0, 5398.0, 5639.0, 5325.0, 5596.0, 5691.0, 5371.0, 5658.0, 5599.0, 5542.0, 5369.0, 5628.0, 5619.0, 5568.0, 5693.0, 5257.0, 5424.0, 5438.0, 5550.0, 5457.0, 5350.0, 5349.0
6	5290	9	1	333	1	5507.0, 5477.0, 5358.0, 5320.0, 5440.0, 5652.0, 5600.0, 5292.0, 5390.0, 5387.0, 5307.0, 5683.0, 5498.0, 5466.0, 5311.0, 5594.0, 5627.0, 5340.0, 5503.0, 5263.0, 5588.0, 5374.0, 5696.0, 5508.0, 5304.0, 5589.0, 5554.0, 5438.0, 5704.0, 5381.0, 5703.0, 5315.0, 5260.0, 5325.0, 5377.0, 5359.0, 5576.0, 5354.0, 5468.0, 5630.0, 5633.0, 5595.0, 5350.0, 5481.0, 5718.0, 5512.0, 5636.0, 5616.0, 5462.0, 5542.0, 5344.0, 5490.0, 5302.0, 5478.0, 5675.0, 5520.0, 5475.0, 5544.0, 5484.0, 5699.0,

						5701.0, 5465.0, 5339.0, 5464.0, 5529.0, 5689.0, 5645.0, 5473.0, 5471.0, 5272.0, 5619.0, 5566.0, 5356.0, 5399.0, 5702.0, 5564.0, 5648.0, 5368.0, 5610.0, 5386.0, 5583.0, 5287.0, 5276.0, 5347.0, 5620.0, 5640.0, 5546.0, 5521.0, 5497.0, 5522.0, 5455.0, 5557.0, 5476.0, 5305.0, 5606.0, 5291.0, 5680.0, 5641.0, 5523.0, 5591.0
7	5290	9	1	333	1	5671.0, 5422.0, 5451.0, 5534.0, 5437.0, 5694.0, 5493.0, 5368.0, 5591.0, 5416.0, 5716.0, 5425.0, 5409.0, 5647.0, 5537.0, 5526.0, 5491.0, 5328.0, 5619.0, 5639.0, 5396.0, 5713.0, 5442.0, 5463.0, 5568.0, 5284.0, 5504.0, 5456.0, 5305.0, 5660.0, 5702.0, 5254.0, 5674.0, 5617.0, 5336.0, 5341.0, 5372.0, 5544.0, 5500.0, 5257.0, 5430.0, 5522.0, 5494.0, 5398.0, 5698.0, 5621.0, 5487.0, 5612.0, 5484.0, 5419.0, 5663.0, 5401.0, 5383.0, 5565.0, 5310.0, 5699.0, 5462.0, 5682.0, 5521.0, 5613.0, 5295.0, 5319.0, 5581.0, 5564.0, 5473.0, 5578.0, 5386.0, 5444.0, 5465.0, 5655.0, 5600.0, 5546.0, 5685.0, 5529.0, 5483.0, 5467.0, 5369.0, 5649.0, 5662.0, 5346.0, 5459.0, 5261.0, 5281.0, 5618.0, 5498.0, 5691.0, 5361.0, 5562.0, 5688.0, 5303.0, 5460.0, 5423.0, 5709.0, 5652.0, 5315.0, 5656.0, 5260.0, 5286.0, 5344.0, 5642.0
8	5290	9	1	333	1	5295.0, 5413.0, 5433.0, 5377.0, 5595.0, 5677.0, 5370.0, 5262.0, 5569.0, 5531.0, 5307.0, 5594.0, 5571.0, 5457.0, 5688.0, 5614.0, 5514.0, 5345.0, 5273.0, 5526.0, 5524.0, 5593.0, 5282.0, 5429.0, 5702.0, 5287.0, 5388.0, 5426.0, 5599.0, 5495.0, 5268.0, 5532.0, 5598.0, 5691.0, 5621.0, 5441.0, 5573.0, 5440.0, 5685.0, 5559.0, 5657.0, 5356.0, 5350.0, 5353.0, 5430.0, 5292.0, 5321.0, 5575.0, 5550.0, 5369.0, 5448.0, 5299.0, 5398.0, 5549.0, 5469.0, 5627.0, 5414.0, 5523.0, 5660.0, 5556.0, 5538.0, 5509.0, 5583.0, 5478.0, 5364.0, 5296.0, 5717.0, 5639.0, 5343.0, 5676.0, 5703.0, 5679.0, 5397.0, 5449.0, 5623.0, 5520.0, 5706.0, 5421.0, 5324.0, 5670.0, 5653.0, 5534.0, 5385.0, 5435.0, 5454.0, 5667.0, 5450.0, 5340.0, 5512.0, 5254.0, 5693.0, 5482.0, 5293.0, 5373.0, 5439.0, 5585.0, 5613.0, 5317.0, 5357.0, 5361.0
9	5290	9	1	333	1	5527.0, 5626.0, 5309.0, 5652.0, 5270.0, 5623.0, 5352.0, 5650.0, 5473.0, 5408.0, 5320.0, 5511.0, 5334.0, 5607.0, 5438.0, 5453.0, 5337.0, 5715.0, 5268.0, 5632.0, 5609.0, 5297.0, 5487.0, 5593.0, 5339.0, 5462.0, 5488.0, 5634.0, 5703.0, 5434.0, 5704.0, 5544.0, 5696.0, 5677.0, 5498.0, 5296.0, 5362.0, 5546.0, 5424.0, 5481.0, 5722.0, 5300.0, 5364.0, 5368.0, 5465.0, 5533.0, 5322.0, 5721.0, 5608.0, 5534.0, 5403.0, 5314.0, 5643.0, 5518.0, 5688.0,

						5522.0, 5521.0, 5724.0, 5577.0, 5605.0, 5281.0, 5504.0, 5466.0, 5358.0, 5294.0, 5692.0, 5662.0, 5425.0, 5346.0, 5719.0, 5654.0, 5440.0, 5512.0, 5454.0, 5717.0, 5542.0, 5393.0, 5275.0, 5475.0, 5637.0, 5271.0, 5456.0, 5564.0, 5386.0, 5531.0, 5697.0, 5449.0, 5646.0, 5587.0, 5678.0, 5422.0, 5325.0, 5359.0, 5448.0, 5690.0, 5398.0, 5528.0, 5264.0, 5371.0, 5675.0
10	5290	9	1	333	1	5690.0, 5348.0, 5621.0, 5331.0, 5327.0, 5377.0, 5595.0, 5337.0, 5380.0, 5474.0, 5623.0, 5687.0, 5462.0, 5679.0, 5376.0, 5645.0, 5618.0, 5519.0, 5600.0, 5511.0, 5361.0, 5313.0, 5597.0, 5479.0, 5305.0, 5441.0, 5460.0, 5408.0, 5613.0, 5399.0, 5424.0, 5654.0, 5440.0, 5689.0, 5319.0, 5444.0, 5549.0, 5428.0, 5506.0, 5392.0, 5614.0, 5274.0, 5464.0, 5366.0, 5604.0, 5388.0, 5482.0, 5640.0, 5617.0, 5606.0, 5568.0, 5281.0, 5657.0, 5449.0, 5624.0, 5668.0, 5609.0, 5322.0, 5625.0, 5607.0, 5362.0, 5371.0, 5698.0, 5300.0, 5573.0, 5308.0, 5503.0, 5658.0, 5510.0, 5262.0, 5507.0, 5345.0, 5263.0, 5560.0, 5443.0, 5320.0, 5276.0, 5589.0, 5715.0, 5590.0, 5601.0, 5282.0, 5718.0, 5587.0, 5527.0, 5324.0, 5492.0, 5410.0, 5485.0, 5406.0, 5360.0, 5685.0, 5714.0, 5493.0, 5338.0, 5542.0, 5471.0, 5591.0, 5418.0, 5691.0
11	5290	9	1	333	1	5541.0, 5634.0, 5524.0, 5633.0, 5564.0, 5706.0, 5701.0, 5418.0, 5699.0, 5337.0, 5610.0, 5342.0, 5270.0, 5517.0, 5714.0, 5611.0, 5435.0, 5510.0, 5553.0, 5395.0, 5442.0, 5506.0, 5636.0, 5720.0, 5304.0, 5604.0, 5532.0, 5548.0, 5473.0, 5359.0, 5257.0, 5697.0, 5317.0, 5367.0, 5621.0, 5328.0, 5561.0, 5536.0, 5540.0, 5283.0, 5679.0, 5648.0, 5590.0, 5480.0, 5432.0, 5638.0, 5398.0, 5402.0, 5469.0, 5618.0, 5479.0, 5476.0, 5693.0, 5415.0, 5319.0, 5251.0, 5685.0, 5460.0, 5350.0, 5516.0, 5305.0, 5589.0, 5277.0, 5533.0, 5339.0, 5702.0, 5341.0, 5491.0, 5530.0, 5654.0, 5573.0, 5316.0, 5599.0, 5252.0, 5404.0, 5563.0, 5712.0, 5408.0, 5665.0, 5347.0, 5482.0, 5588.0, 5286.0, 5501.0, 5719.0, 5320.0, 5574.0, 5318.0, 5492.0, 5514.0, 5614.0, 5662.0, 5446.0, 5465.0, 5686.0, 5566.0, 5344.0, 5268.0, 5419.0, 5651.0
12	5290	9	1	333	1	5609.0, 5534.0, 5291.0, 5414.0, 5355.0, 5590.0, 5531.0, 5695.0, 5664.0, 5256.0, 5708.0, 5720.0, 5294.0, 5404.0, 5538.0, 5595.0, 5344.0, 5377.0, 5264.0, 5313.0, 5354.0, 5293.0, 5690.0, 5707.0, 5654.0, 5622.0, 5343.0, 5639.0, 5685.0, 5382.0, 5338.0, 5385.0, 5331.0, 5252.0, 5369.0, 5328.0, 5494.0, 5304.0, 5274.0, 5630.0, 5589.0, 5419.0, 5698.0, 5411.0, 5426.0, 5620.0, 5682.0, 5362.0, 5662.0, 5392.0,

						5613.0, 5503.0, 5515.0, 5509.0, 5555.0, 5510.0, 5561.0, 5527.0, 5626.0, 5621.0, 5374.0, 5520.0, 5619.0, 5529.0, 5492.0, 5517.0, 5360.0, 5465.0, 5352.0, 5310.0, 5370.0, 5575.0, 5292.0, 5636.0, 5427.0, 5602.0, 5672.0, 5485.0, 5645.0, 5435.0, 5579.0, 5333.0, 5428.0, 5673.0, 5541.0, 5658.0, 5666.0, 5668.0, 5493.0, 5615.0, 5393.0, 5322.0, 5267.0, 5532.0, 5674.0, 5644.0, 5254.0, 5295.0, 5649.0, 5488.0
13	5290	9	1	333	1	5287.0, 5506.0, 5458.0, 5257.0, 5716.0, 5469.0, 5422.0, 5718.0, 5295.0, 5276.0, 5253.0, 5657.0, 5508.0, 5516.0, 5689.0, 5286.0, 5685.0, 5534.0, 5620.0, 5535.0, 5705.0, 5348.0, 5297.0, 5600.0, 5250.0, 5330.0, 5314.0, 5400.0, 5583.0, 5530.0, 5454.0, 5483.0, 5357.0, 5488.0, 5464.0, 5552.0, 5408.0, 5339.0, 5687.0, 5683.0, 5675.0, 5553.0, 5383.0, 5645.0, 5481.0, 5682.0, 5626.0, 5327.0, 5437.0, 5450.0, 5459.0, 5344.0, 5521.0, 5399.0, 5322.0, 5707.0, 5622.0, 5403.0, 5390.0, 5279.0, 5489.0, 5616.0, 5361.0, 5424.0, 5324.0, 5714.0, 5385.0, 5349.0, 5261.0, 5678.0, 5643.0, 5656.0, 5340.0, 5255.0, 5467.0, 5262.0, 5507.0, 5410.0, 5376.0, 5605.0, 5335.0, 5421.0, 5364.0, 5511.0, 5417.0, 5252.0, 5444.0, 5271.0, 5427.0, 5365.0, 5567.0, 5465.0, 5319.0, 5470.0, 5432.0, 5386.0, 5646.0, 5680.0, 5542.0, 5578.0
14	5290	9	1	333	1	5709.0, 5626.0, 5377.0, 5415.0, 5369.0, 5573.0, 5324.0, 5685.0, 5524.0, 5433.0, 5509.0, 5567.0, 5416.0, 5276.0, 5288.0, 5684.0, 5483.0, 5530.0, 5593.0, 5444.0, 5401.0, 5511.0, 5561.0, 5624.0, 5326.0, 5540.0, 5610.0, 5264.0, 5429.0, 5361.0, 5348.0, 5618.0, 5534.0, 5537.0, 5720.0, 5525.0, 5462.0, 5717.0, 5274.0, 5566.0, 5375.0, 5543.0, 5657.0, 5569.0, 5597.0, 5586.0, 5686.0, 5428.0, 5367.0, 5503.0, 5280.0, 5678.0, 5472.0, 5481.0, 5391.0, 5271.0, 5572.0, 5449.0, 5290.0, 5520.0, 5695.0, 5672.0, 5456.0, 5269.0, 5386.0, 5704.0, 5381.0, 5499.0, 5360.0, 5553.0, 5484.0, 5451.0, 5538.0, 5383.0, 5683.0, 5399.0, 5459.0, 5330.0, 5721.0, 5434.0, 5270.0, 5515.0, 5426.0, 5642.0, 5302.0, 5255.0, 5518.0, 5466.0, 5549.0, 5556.0, 5697.0, 5281.0, 5373.0, 5347.0, 5471.0, 5493.0, 5338.0, 5442.0, 5405.0, 5359.0
15	5290	9	1	333	1	5345.0, 5405.0, 5559.0, 5689.0, 5641.0, 5678.0, 5550.0, 5432.0, 5547.0, 5422.0, 5361.0, 5523.0, 5582.0, 5647.0, 5649.0, 5664.0, 5426.0, 5540.0, 5659.0, 5563.0, 5412.0, 5274.0, 5384.0, 5677.0, 5284.0, 5673.0, 5452.0, 5404.0, 5264.0, 5417.0, 5315.0, 5623.0, 5286.0, 5350.0, 5558.0, 5548.0, 5281.0, 5539.0, 5562.0, 5670.0, 5443.0, 5265.0, 5515.0, 5453.0, 5655.0,

						5720.0, 5524.0, 5576.0, 5420.0, 5395.0, 5654.0, 5560.0, 5500.0, 5522.0, 5310.0, 5615.0, 5609.0, 5652.0, 5510.0, 5718.0, 5256.0, 5253.0, 5611.0, 5378.0, 5701.0, 5289.0, 5254.0, 5408.0, 5296.0, 5698.0, 5316.0, 5599.0, 5484.0, 5337.0, 5637.0, 5606.0, 5469.0, 5669.0, 5633.0, 5356.0, 5674.0, 5410.0, 5379.0, 5355.0, 5630.0, 5675.0, 5640.0, 5370.0, 5496.0, 5501.0, 5436.0, 5372.0, 5427.0, 5687.0, 5517.0, 5482.0, 5360.0, 5458.0, 5696.0, 5467.0
16	5290	9	1	333	1	5523.0, 5399.0, 5547.0, 5650.0, 5714.0, 5389.0, 5381.0, 5706.0, 5332.0, 5525.0, 5486.0, 5618.0, 5393.0, 5312.0, 5401.0, 5441.0, 5636.0, 5353.0, 5328.0, 5556.0, 5588.0, 5504.0, 5327.0, 5570.0, 5343.0, 5443.0, 5641.0, 5670.0, 5287.0, 5575.0, 5293.0, 5566.0, 5564.0, 5329.0, 5438.0, 5251.0, 5518.0, 5715.0, 5254.0, 5264.0, 5659.0, 5591.0, 5283.0, 5270.0, 5538.0, 5305.0, 5346.0, 5377.0, 5371.0, 5291.0, 5599.0, 5498.0, 5280.0, 5673.0, 5543.0, 5690.0, 5529.0, 5350.0, 5485.0, 5515.0, 5686.0, 5541.0, 5514.0, 5268.0, 5336.0, 5631.0, 5711.0, 5689.0, 5542.0, 5414.0, 5324.0, 5288.0, 5534.0, 5579.0, 5680.0, 5363.0, 5489.0, 5272.0, 5468.0, 5691.0, 5594.0, 5586.0, 5317.0, 5612.0, 5629.0, 5419.0, 5667.0, 5359.0, 5315.0, 5304.0, 5482.0, 5333.0, 5653.0, 5539.0, 5451.0, 5368.0, 5320.0, 5281.0, 5551.0, 5367.0
17	5290	9	1	333	1	5292.0, 5606.0, 5571.0, 5381.0, 5425.0, 5568.0, 5657.0, 5536.0, 5280.0, 5312.0, 5437.0, 5600.0, 5294.0, 5380.0, 5356.0, 5587.0, 5447.0, 5434.0, 5580.0, 5353.0, 5564.0, 5430.0, 5553.0, 5525.0, 5352.0, 5630.0, 5712.0, 5607.0, 5371.0, 5608.0, 5491.0, 5601.0, 5650.0, 5545.0, 5417.0, 5698.0, 5612.0, 5273.0, 5645.0, 5397.0, 5377.0, 5359.0, 5262.0, 5460.0, 5526.0, 5693.0, 5667.0, 5455.0, 5348.0, 5410.0, 5324.0, 5641.0, 5540.0, 5306.0, 5602.0, 5419.0, 5581.0, 5343.0, 5296.0, 5369.0, 5520.0, 5275.0, 5406.0, 5285.0, 5476.0, 5640.0, 5347.0, 5484.0, 5532.0, 5552.0, 5465.0, 5557.0, 5522.0, 5639.0, 5439.0, 5521.0, 5516.0, 5673.0, 5483.0, 5682.0, 5328.0, 5621.0, 5401.0, 5276.0, 5299.0, 5565.0, 5567.0, 5340.0, 5399.0, 5699.0, 5389.0, 5421.0, 5689.0, 5617.0, 5716.0, 5672.0, 5554.0, 5257.0, 5582.0, 5351.0
18	5290	9	1	333	1	5283.0, 5288.0, 5398.0, 5693.0, 5413.0, 5482.0, 5523.0, 5658.0, 5448.0, 5319.0, 5490.0, 5626.0, 5654.0, 5591.0, 5276.0, 5289.0, 5252.0, 5471.0, 5518.0, 5531.0, 5392.0, 5511.0, 5361.0, 5386.0, 5524.0, 5254.0, 5508.0, 5286.0, 5648.0, 5510.0, 5657.0, 5306.0, 5522.0, 5280.0, 5598.0, 5333.0, 5563.0, 5322.0, 5582.0, 5399.0,

						5381.0, 5575.0, 5402.0, 5264.0, 5406.0, 5367.0, 5296.0, 5655.0, 5690.0, 5503.0, 5597.0, 5661.0, 5294.0, 5423.0, 5436.0, 5677.0, 5365.0, 5601.0, 5446.0, 5313.0, 5267.0, 5612.0, 5600.0, 5502.0, 5407.0, 5309.0, 5318.0, 5569.0, 5498.0, 5659.0, 5581.0, 5595.0, 5637.0, 5705.0, 5351.0, 5702.0, 5393.0, 5664.0, 5438.0, 5372.0, 5542.0, 5308.0, 5590.0, 5359.0, 5430.0, 5589.0, 5291.0, 5284.0, 5504.0, 5635.0, 5672.0, 5281.0, 5494.0, 5528.0, 5390.0, 5449.0, 5257.0, 5599.0, 5541.0, 5357.0
19	5290	9	1	333	1	5638.0, 5603.0, 5643.0, 5473.0, 5502.0, 5637.0, 5703.0, 5640.0, 5365.0, 5343.0, 5693.0, 5279.0, 5352.0, 5511.0, 5410.0, 5686.0, 5322.0, 5415.0, 5588.0, 5581.0, 5445.0, 5618.0, 5644.0, 5328.0, 5598.0, 5536.0, 5545.0, 5510.0, 5549.0, 5354.0, 5698.0, 5613.0, 5662.0, 5472.0, 5675.0, 5541.0, 5327.0, 5713.0, 5519.0, 5361.0, 5599.0, 5692.0, 5281.0, 5292.0, 5556.0, 5338.0, 5629.0, 5446.0, 5546.0, 5413.0, 5358.0, 5697.0, 5269.0, 5464.0, 5681.0, 5288.0, 5417.0, 5396.0, 5677.0, 5339.0, 5548.0, 5337.0, 5456.0, 5414.0, 5650.0, 5383.0, 5425.0, 5284.0, 5647.0, 5659.0, 5441.0, 5384.0, 5454.0, 5440.0, 5400.0, 5720.0, 5334.0, 5382.0, 5429.0, 5627.0, 5330.0, 5535.0, 5705.0, 5419.0, 5617.0, 5268.0, 5348.0, 5696.0, 5634.0, 5420.0, 5611.0, 5709.0, 5386.0, 5270.0, 5699.0, 5508.0, 5273.0, 5357.0, 5340.0, 5527.0
20	5290	9	1	333	1	5359.0, 5373.0, 5499.0, 5716.0, 5448.0, 5417.0, 5346.0, 5415.0, 5668.0, 5270.0, 5464.0, 5640.0, 5494.0, 5567.0, 5598.0, 5564.0, 5653.0, 5632.0, 5664.0, 5549.0, 5654.0, 5570.0, 5683.0, 5467.0, 5291.0, 5644.0, 5449.0, 5634.0, 5513.0, 5584.0, 5370.0, 5388.0, 5451.0, 5418.0, 5645.0, 5472.0, 5272.0, 5438.0, 5269.0, 5565.0, 5341.0, 5559.0, 5713.0, 5603.0, 5465.0, 5468.0, 5392.0, 5594.0, 5383.0, 5649.0, 5389.0, 5387.0, 5500.0, 5420.0, 5547.0, 5306.0, 5616.0, 5441.0, 5274.0, 5481.0, 5333.0, 5518.0, 5578.0, 5356.0, 5558.0, 5551.0, 5375.0, 5397.0, 5619.0, 5656.0, 5601.0, 5560.0, 5674.0, 5555.0, 5358.0, 5264.0, 5692.0, 5379.0, 5701.0, 5709.0, 5687.0, 5275.0, 5660.0, 5659.0, 5410.0, 5673.0, 5516.0, 5302.0, 5299.0, 5561.0, 5298.0, 5340.0, 5395.0, 5631.0, 5402.0, 5723.0, 5573.0, 5721.0, 5608.0, 5454.0
21	5290	9	1	333	1	5423.0, 5648.0, 5468.0, 5664.0, 5707.0, 5336.0, 5703.0, 5509.0, 5503.0, 5584.0, 5304.0, 5616.0, 5384.0, 5450.0, 5688.0, 5362.0, 5612.0, 5580.0, 5309.0, 5516.0, 5349.0, 5691.0, 5711.0, 5721.0, 5615.0, 5715.0, 5262.0, 5260.0, 5683.0, 5263.0, 5639.0, 5533.0, 5575.0, 5635.0, 5264.0,

						5449.0, 5647.0, 5405.0, 5346.0, 5697.0, 5404.0, 5391.0, 5308.0, 5437.0, 5515.0, 5422.0, 5653.0, 5416.0, 5654.0, 5395.0, 5473.0, 5529.0, 5413.0, 5534.0, 5354.0, 5467.0, 5720.0, 5583.0, 5350.0, 5586.0, 5623.0, 5331.0, 5620.0, 5477.0, 5589.0, 5475.0, 5325.0, 5265.0, 5471.0, 5618.0, 5435.0, 5317.0, 5352.0, 5558.0, 5690.0, 5669.0, 5573.0, 5369.0, 5320.0, 5378.0, 5298.0, 5382.0, 5531.0, 5604.0, 5599.0, 5526.0, 5278.0, 5379.0, 5439.0, 5609.0, 5677.0, 5665.0, 5406.0, 5713.0, 5660.0, 5478.0, 5424.0, 5626.0, 5340.0, 5641.0
22	5290	9	1	333	1	5495.0, 5276.0, 5459.0, 5450.0, 5387.0, 5663.0, 5685.0, 5394.0, 5461.0, 5548.0, 5334.0, 5596.0, 5590.0, 5288.0, 5519.0, 5258.0, 5573.0, 5564.0, 5484.0, 5374.0, 5378.0, 5462.0, 5535.0, 5356.0, 5284.0, 5289.0, 5615.0, 5627.0, 5494.0, 5574.0, 5480.0, 5694.0, 5697.0, 5586.0, 5580.0, 5584.0, 5521.0, 5321.0, 5440.0, 5656.0, 5369.0, 5420.0, 5406.0, 5261.0, 5304.0, 5451.0, 5500.0, 5402.0, 5687.0, 5550.0, 5422.0, 5260.0, 5351.0, 5468.0, 5591.0, 5315.0, 5465.0, 5579.0, 5392.0, 5698.0, 5630.0, 5464.0, 5536.0, 5546.0, 5436.0, 5537.0, 5563.0, 5410.0, 5271.0, 5530.0, 5555.0, 5699.0, 5437.0, 5561.0, 5445.0, 5299.0, 5667.0, 5549.0, 5710.0, 5252.0, 5522.0, 5275.0, 5702.0, 5457.0, 5681.0, 5342.0, 5282.0, 5609.0, 5458.0, 5414.0, 5390.0, 5513.0, 5588.0, 5429.0, 5313.0, 5257.0, 5528.0, 5336.0, 5433.0, 5489.0
23	5290	9	1	333	1	5603.0, 5720.0, 5359.0, 5648.0, 5481.0, 5661.0, 5472.0, 5477.0, 5717.0, 5420.0, 5262.0, 5719.0, 5513.0, 5268.0, 5446.0, 5641.0, 5418.0, 5292.0, 5656.0, 5601.0, 5534.0, 5309.0, 5449.0, 5417.0, 5712.0, 5385.0, 5293.0, 5523.0, 5272.0, 5626.0, 5606.0, 5568.0, 5340.0, 5299.0, 5453.0, 5466.0, 5407.0, 5530.0, 5556.0, 5613.0, 5267.0, 5307.0, 5392.0, 5318.0, 5284.0, 5255.0, 5379.0, 5667.0, 5381.0, 5538.0, 5355.0, 5576.0, 5692.0, 5659.0, 5535.0, 5682.0, 5511.0, 5695.0, 5537.0, 5617.0, 5584.0, 5651.0, 5543.0, 5610.0, 5444.0, 5321.0, 5308.0, 5253.0, 5370.0, 5368.0, 5590.0, 5384.0, 5542.0, 5467.0, 5574.0, 5297.0, 5608.0, 5364.0, 5491.0, 5451.0, 5701.0, 5540.0, 5408.0, 5406.0, 5609.0, 5280.0, 5325.0, 5283.0, 5642.0, 5311.0, 5499.0, 5579.0, 5322.0, 5669.0, 5471.0, 5352.0, 5681.0, 5260.0, 5527.0, 5473.0
24	5290	9	1	333	1	5710.0, 5722.0, 5569.0, 5310.0, 5639.0, 5349.0, 5590.0, 5618.0, 5584.0, 5460.0, 5444.0, 5567.0, 5279.0, 5714.0, 5395.0, 5401.0, 5572.0, 5664.0, 5542.0, 5544.0, 5267.0, 5335.0, 5468.0, 5377.0, 5513.0, 5385.0, 5662.0, 5341.0, 5668.0, 5659.0,

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25	5290	9	1	333	1	5506.0, 5255.0, 5396.0, 5334.0, 5467.0, 5350.0, 5636.0, 5337.0, 5580.0, 5523.0, 5528.0, 5321.0, 5659.0, 5294.0, 5605.0, 5536.0, 5256.0, 5270.0, 5251.0, 5644.0, 5475.0, 5625.0, 5579.0, 5576.0, 5623.0, 5627.0, 5702.0, 5590.0, 5678.0, 5575.0, 5551.0, 5611.0, 5489.0, 5343.0, 5628.0, 5466.0, 5631.0, 5273.0, 5317.0, 5430.0, 5362.0, 5500.0, 5593.0, 5421.0, 5370.0, 5566.0, 5463.0, 5380.0, 5360.0, 5267.0, 5608.0, 5665.0, 5293.0, 5635.0, 5369.0, 5454.0, 5478.0, 5443.0, 5638.0, 5670.0, 5552.0, 5517.0, 5643.0, 5305.0, 5555.0, 5400.0, 5687.0, 5651.0, 5587.0, 5674.0, 5664.0, 5322.0, 5417.0, 5316.0, 5298.0, 5404.0, 5295.0, 5441.0, 5326.0, 5696.0, 5571.0, 5257.0, 5473.0, 5285.0, 5276.0, 5399.0, 5264.0, 5484.0, 5286.0, 5288.0, 5675.0, 5493.0, 5310.0, 5366.0, 5461.0, 5585.0, 5391.0, 5459.0, 5720.0, 5716.0
26	5290	9	1	333	1	5408.0, 5541.0, 5515.0, 5543.0, 5581.0, 5583.0, 5523.0, 5534.0, 5462.0, 5635.0, 5343.0, 5340.0, 5634.0, 5442.0, 5665.0, 5501.0, 5325.0, 5656.0, 5335.0, 5265.0, 5368.0, 5310.0, 5477.0, 5387.0, 5252.0, 5512.0, 5428.0, 5528.0, 5666.0, 5298.0, 5483.0, 5334.0, 5519.0, 5677.0, 5668.0, 5658.0, 5703.0, 5621.0, 5706.0, 5327.0, 5308.0, 5341.0, 5365.0, 5353.0, 5392.0, 5315.0, 5487.0, 5567.0, 5509.0, 5416.0, 5472.0, 5618.0, 5386.0, 5389.0, 5589.0, 5437.0, 5584.0, 5390.0, 5396.0, 5699.0, 5336.0, 5708.0, 5406.0, 5274.0, 5674.0, 5672.0, 5303.0, 5564.0, 5302.0, 5279.0, 5535.0, 5620.0, 5504.0, 5433.0, 5436.0, 5379.0, 5685.0, 5597.0, 5713.0, 5451.0, 5344.0, 5404.0, 5649.0, 5532.0, 5585.0, 5469.0, 5688.0, 5358.0, 5318.0, 5651.0, 5582.0, 5624.0, 5438.0, 5551.0, 5676.0, 5295.0, 5413.0, 5544.0, 5281.0, 5498.0
27	5290	9	1	333	1	5390.0, 5254.0, 5359.0, 5338.0, 5315.0, 5303.0, 5460.0, 5457.0, 5499.0, 5584.0, 5672.0, 5370.0, 5621.0, 5459.0, 5389.0, 5393.0, 5557.0, 5274.0, 5447.0, 5442.0, 5528.0, 5368.0, 5256.0, 5317.0, 5362.0,

						5361.0, 5418.0, 5681.0, 5365.0, 5569.0, 5687.0, 5508.0, 5490.0, 5611.0, 5540.0, 5568.0, 5662.0, 5413.0, 5270.0, 5280.0, 5476.0, 5416.0, 5471.0, 5552.0, 5529.0, 5357.0, 5400.0, 5596.0, 5441.0, 5394.0, 5423.0, 5284.0, 5571.0, 5572.0, 5713.0, 5659.0, 5448.0, 5422.0, 5291.0, 5556.0, 5646.0, 5452.0, 5582.0, 5634.0, 5510.0, 5336.0, 5319.0, 5255.0, 5345.0, 5675.0, 5676.0, 5631.0, 5497.0, 5512.0, 5660.0, 5544.0, 5602.0, 5630.0, 5261.0, 5688.0, 5565.0, 5259.0, 5539.0, 5663.0, 5486.0, 5724.0, 5313.0, 5543.0, 5367.0, 5309.0, 5339.0, 5295.0, 5719.0, 5689.0, 5628.0, 5253.0, 5624.0, 5451.0, 5548.0, 5703.0
28	5290	9	1	333	1	5604.0, 5277.0, 5545.0, 5281.0, 5699.0, 5278.0, 5338.0, 5464.0, 5452.0, 5380.0, 5456.0, 5517.0, 5355.0, 5420.0, 5453.0, 5571.0, 5310.0, 5651.0, 5547.0, 5332.0, 5644.0, 5392.0, 5405.0, 5345.0, 5673.0, 5402.0, 5578.0, 5286.0, 5379.0, 5646.0, 5695.0, 5531.0, 5484.0, 5610.0, 5266.0, 5324.0, 5411.0, 5521.0, 5352.0, 5261.0, 5255.0, 5714.0, 5419.0, 5417.0, 5412.0, 5569.0, 5658.0, 5648.0, 5634.0, 5653.0, 5679.0, 5268.0, 5532.0, 5425.0, 5447.0, 5482.0, 5337.0, 5655.0, 5647.0, 5519.0, 5349.0, 5495.0, 5576.0, 5666.0, 5297.0, 5406.0, 5522.0, 5421.0, 5697.0, 5612.0, 5356.0, 5434.0, 5273.0, 5609.0, 5303.0, 5712.0, 5290.0, 5611.0, 5667.0, 5468.0, 5398.0, 5409.0, 5701.0, 5654.0, 5285.0, 5309.0, 5384.0, 5600.0, 5448.0, 5676.0, 5724.0, 5592.0, 5625.0, 5601.0, 5582.0, 5723.0, 5544.0, 5662.0, 5562.0, 5283.0
29	5290	9	1	333	1	5650.0, 5251.0, 5489.0, 5311.0, 5678.0, 5633.0, 5692.0, 5455.0, 5346.0, 5525.0, 5535.0, 5354.0, 5418.0, 5552.0, 5254.0, 5685.0, 5319.0, 5707.0, 5699.0, 5470.0, 5438.0, 5357.0, 5367.0, 5625.0, 5477.0, 5350.0, 5703.0, 5441.0, 5714.0, 5697.0, 5304.0, 5431.0, 5603.0, 5482.0, 5577.0, 5543.0, 5531.0, 5523.0, 5501.0, 5339.0, 5467.0, 5351.0, 5638.0, 5274.0, 5453.0, 5291.0, 5569.0, 5541.0, 5587.0, 5284.0, 5439.0, 5252.0, 5264.0, 5411.0, 5327.0, 5257.0, 5591.0, 5376.0, 5661.0, 5355.0, 5341.0, 5430.0, 5653.0, 5657.0, 5464.0, 5292.0, 5676.0, 5533.0, 5708.0, 5557.0, 5364.0, 5420.0, 5305.0, 5582.0, 5410.0, 5475.0, 5506.0, 5437.0, 5648.0, 5572.0, 5698.0, 5343.0, 5275.0, 5486.0, 5494.0, 5675.0, 5272.0, 5442.0, 5398.0, 5722.0, 5388.0, 5519.0, 5614.0, 5574.0, 5620.0, 5459.0, 5295.0, 5322.0, 5372.0, 5362.0
30	5290	9	1	333	1	5334.0, 5307.0, 5567.0, 5659.0, 5350.0, 5356.0, 5431.0, 5649.0, 5542.0, 5528.0, 5387.0, 5467.0, 5544.0, 5279.0, 5668.0, 5335.0, 5262.0, 5699.0, 5326.0, 5641.0,

						5450.0, 5719.0, 5646.0, 5482.0, 5710.0, 5437.0, 5537.0, 5623.0, 5304.0, 5525.0, 5559.0, 5430.0, 5329.0, 5672.0, 5379.0, 5498.0, 5463.0, 5446.0, 5407.0, 5443.0, 5269.0, 5426.0, 5403.0, 5394.0, 5410.0, 5661.0, 5460.0, 5570.0, 5428.0, 5667.0, 5454.0, 5474.0, 5347.0, 5669.0, 5471.0, 5292.0, 5332.0, 5550.0, 5703.0, 5597.0, 5494.0, 5535.0, 5303.0, 5479.0, 5514.0, 5432.0, 5250.0, 5714.0, 5492.0, 5490.0, 5524.0, 5563.0, 5480.0, 5461.0, 5593.0, 5697.0, 5704.0, 5328.0, 5386.0, 5548.0, 5633.0, 5636.0, 5603.0, 5267.0, 5402.0, 5592.0, 5652.0, 5637.0, 5496.0, 5272.0, 5581.0, 5366.0, 5327.0, 5398.0, 5346.0, 5268.0, 5427.0, 5566.0, 5436.0, 5406.0
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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	100 %	60%	Pass
Type 3	30	90 %	60%	Pass
Type 4	30	90 %	60%	Pass
Aggregate (Type1 to 4)	120	94.17 %	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	67	1	798	1
2	5290	70	1	758	1
3	5290	72	1	738	1
4	5290	68	1	778	1
5	5290	99	1	538	1
6	5290	62	1	858	1
7	5290	74	1	718	1
8	5290	58	1	918	1
9	5290	89	1	598	1
10	5290	81	1	658	1
11	5290	76	1	698	1
12	5290	63	1	838	1
13	5290	86	1	618	1
14	5290	78	1	678	1
15	5290	59	1	898	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	19	1	2856	0
2	5290	24	1	2224	1
3	5290	23	1	2320	1
4	5290	19	1	2855	1
5	5290	100	1	529	1
6	5290	18	1	3003	1
7	5290	33	1	1608	1
8	5290	19	1	2887	1
9	5290	23	1	2342	1
10	5290	78	1	681	1
11	5290	62	1	853	1
12	5290	94	1	567	1
13	5290	64	1	832	1
14	5290	46	1	1168	1
15	5290	70	1	754	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	28	2.5	206	1
2	5290	26	1.7	167	1
3	5290	23	4	209	1
4	5290	29	2.3	210	1
5	5290	29	3.7	208	1
6	5290	24	2.6	180	1
7	5290	29	3.3	213	1
8	5290	26	4	183	1
9	5290	29	2.8	192	1
10	5290	29	3.3	187	1
11	5290	24	1.5	183	1
12	5290	29	3	205	1
13	5290	29	4.3	228	1
14	5290	29	2.4	222	1
15	5290	28	4.3	157	1
16	5290	27	4.4	162	1
17	5290	29	2.9	193	1
18	5290	29	4.1	160	1
19	5290	29	1.7	229	1
20	5290	29	4.1	205	1
21	5290	29	4.4	168	1
22	5290	27	1.7	156	1
23	5290	29	1.2	174	1
24	5290	26	4.4	226	1
25	5290	25	2.9	159	1
26	5290	29	1.6	189	1
27	5290	24	1.2	209	1
28	5290	28	4.5	150	1
29	5290	23	2.6	201	1
30	5290	26	2.3	190	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	5290	16	8.5	221	1
2	5290	16	9.4	417	1
3	5290	16	8.5	384	1
4	5290	16	8.7	264	1
5	5290	16	9.9	221	1
6	5290	18	6.6	382	1
7	5290	17	8	219	0
8	5290	16	9.9	240	1
9	5290	17	7.8	361	1
10	5290	16	9.2	250	1
11	5290	16	8.9	321	0
12	5290	16	7.8	362	1
13	5290	16	9.3	483	1
14	5290	16	7.8	280	1
15	5290	16	6.7	275	1
16	5290	16	7.4	282	1
17	5290	16	9.4	218	1
18	5290	16	9.7	215	1
19	5290	18	6.5	328	1
20	5290	16	8.2	340	1
21	5290	17	8.2	318	1
22	5290	18	6.5	288	0
23	5290	17	9	349	1
24	5290	18	7.1	245	1
25	5290	16	9.3	274	1
26	5290	17	8.6	394	1
27	5290	17	9	442	1
28	5290	16	6.9	381	1
29	5290	17	7.2	204	1
30	5290	18	9.6	499	1
Detection Percentage: 90% (>60%)					

Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	12	13.3	278	1
2	5290	12	12.5	397	1
3	5290	15	13.6	477	1
4	5290	14	17.9	349	0
5	5290	16	19.1	422	1
6	5290	15	18.4	270	1
7	5290	12	11.1	455	0
8	5290	13	16.2	401	1
9	5290	16	14.6	364	1
10	5290	13	15	216	1
11	5290	12	12.5	203	1
12	5290	15	17.7	420	1
13	5290	12	13.9	227	1
14	5290	13	19.2	480	1
15	5290	16	13.4	400	1
16	5290	13	17.2	488	1
17	5290	16	16.3	412	1
18	5290	16	19.9	364	1
19	5290	14	11.1	263	1
20	5290	15	12	419	1
21	5290	16	19.6	283	1
22	5290	12	11.8	215	1
23	5290	13	15.7	399	1
24	5290	12	19.7	457	1
25	5290	12	19.9	385	1
26	5290	16	18.1	205	0
27	5290	12	17.3	472	1
28	5290	15	13.1	304	1
29	5290	12	12.9	423	1
30	5290	16	11.5	376	1
Detection Percentage: 90% (>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	1	5	70.8			0.266651	1
1	2	5	53.5	1825		0.732078	
2	3	5	52.5	1587	1777	1.704507	
3	2	5	87.2	1772		2.703536	
4	1	5	55.3			3.325184	
5	3	5	72.9	1238	1387	4.099543	
6	1	5	64.1			4.434279	
7	3	5	65.9	1843	1161	5.401753	
8	2	5	68.6	1286		5.684372	
9	1	5	56.7			6.905887	
10	3	5	95.8	1729	1467	7.314972	
11	2	5	70.2	1777		8.313106	
12	2	5	95.8	1691		8.910292	
13	2	5	84.5	1930		9.441197	
14	1	5	96.7			10.249756	
15	3	5	92	1367	1687	11.277098	
16	3	5	76.5	1510	1255	11.410417	

Statistics 2 (ChirpCenter Frequency: 5290.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	11	63.3			0.606575	1
1	3	11	91.3	1149	1292	1.202845	
2	2	11	93	1694		1.417364	
3	3	11	96.9	1500	1781	2.330938	
4	3	11	50.7	1821	1165	3.23639	
5	2	11	62.3	1419		4.192981	
6	2	11	51.5	1000		4.669631	
7	3	11	62.7	1189	1359	5.419533	
8	3	11	50.2	1260	1176	5.888851	
9	2	11	69.1	1992		6.963259	
10	2	11	59.3	1039		7.549755	
11	3	11	61.4	1582	1410	8.45569	
12	1	11	97.2			8.728494	
13	2	11	85.9	1797		9.601555	
14	3	11	53.1	1777	1095	10.486176	
15	2	11	57.6	1791		11.203236	
16	1	11	97.2			11.400624	

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	3	6	87.3	1291	1439	0.668325	1
1	2	6	79.1	1856		1.399268	
2	2	6	80.8	1052		1.63614	
3	2	6	85.9	1913		2.613898	
4	2	6	94.5	1701		3.382596	
5	3	6	68.5	1492	1290	4.30686	
6	3	6	93.4	1313	1858	5.127468	
7	3	6	85.5	1888	1573	6.227019	
8	3	6	99.6	1409	1766	6.499794	
9	2	6	87.7	1629		7.744251	
10	1	6	93.2			8.049529	
11	3	6	77.6	1638	1075	8.855103	
12	1	6	68.9			10.072689	
13	2	6	74.7	1343		11.123501	
14	2	6	93.2	1703		11.661939	

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	9	55.2	1459		0.282576	1
1	2	9	98	1086		1.414261	
2	3	9	66.1	1327	1154	2.197387	
3	1	9	81.7			3.836488	
4	2	9	71.3	1940		5.197355	
5	3	9	78	1417	1862	6.51981	
6	3	9	95.7	1121	1115	7.446315	
7	3	9	55.8	1845	1417	8.504052	
8	2	9	89.8	1205		8.833965	
9	1	9	97.5			10.503484	
10	1	9	85			11.094477	

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	6	74.9	1926		0.535991	1
1	2	6	58.8	1935		1.988051	
2	2	6	79.3	1086		2.934077	
3	2	6	95.1	1536		5.249208	
4	2	6	66.5	1844		6.478966	
5	1	6	90.6			7.119326	
6	2	6	86.6	1724		8.495435	
7	3	6	96.2	1496	1987	9.494522	
8	3	6	87.4	1571	1047	10.908141	

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	1	9	91.3			0.598892	1
1	3	9	58.5	1897	1210	1.126791	
2	2	9	92	1725		1.806522	
3	2	9	54.5	1654		2.023687	
4	2	9	85.7	1856		2.733508	
5	3	9	85.4	1913	1495	3.682367	
6	2	9	70.4	1219		4.347027	
7	2	9	72.3	1690		4.718749	
8	1	9	80			5.493245	
9	2	9	85.8	1323		6.191756	
10	2	9	84.5	1352		7.021994	
11	3	9	73.5	1070	1394	7.488071	
12	2	9	80	1681		8.153167	
13	1	9	81.3			9.041797	
14	3	9	62.4	1735	1529	9.410163	
15	2	9	52.7	1394		10.42701	
16	1	9	58.7			11.229867	
17	2	9	63.1	1305		11.816603	

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	3	11	84.2	1851	1466	0.588475	1
1	2	11	54.6	1203		1.782049	
2	2	11	81.9	1780		2.457495	
3	1	11	60.1			3.640971	
4	1	11	71.3			4.515453	
5	2	11	56.8	1643		5.100897	
6	3	11	89.5	1403	1098	6.55576	
7	1	11	83.9			7.977438	
8	2	11	66.6	1087		8.473578	
9	2	11	95.3	1510		9.373203	
10	3	11	89.4	1932	1632	10.284456	
11	2	11	82	1463		11.655534	

Statistics 8 (ChirpCenter Frequency: 5290.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	12	67.6	1109		1.109132	1
1	1	12	66			1.372614	
2	2	12	54.5	1296		3.53569	
3	2	12	60.1	1999		5.227788	
4	3	12	76	1170	1406	5.844025	
5	1	12	82.8			6.900442	
6	2	12	65.6	1199		8.426036	
7	1	12	88.5			10.024534	
8	3	12	84.7	1570	1093	11.841421	

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	10	73.5	1997		0.474053	1
1	3	10	64.7	1296	1149	1.211852	
2	1	10	59.4			3.273006	
3	3	10	75.9	1460	1214	4.345068	
4	2	10	99.9	1672		5.479771	
5	1	10	71.2			7.150801	
6	1	10	66.9			7.296773	
7	2	10	73.5	1378		8.593409	
8	3	10	93	1712	1659	10.39903	
9	2	10	51.6	1118		11.629674	

Statistics 10 (ChirpCenter Frequency: 5290.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	10	82.8	1123		1.109282	1
1	2	10	91.8	1296		2.106632	
2	3	10	90	1693	1829	3.760095	
3	2	10	95.8	1888		5.610526	
4	2	10	68.2	1300		6.610184	
5	1	10	96.7			8.051512	
6	1	10	77.8			9.695494	
7	1	10	80.8			11.917107	

Radar Type 5 Case 2 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5252.0 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	62.8			0.933977	1
1	1	6	80.3			1.93812	
2	2	6	80.5	1890		3.742758	
3	1	6	59.8			5.069744	
4	2	6	54.9	1120		6.380188	
5	2	6	69.2	1361		6.76302	
6	2	6	53	1097		9.064006	
7	2	6	91.8	1121		9.687038	
8	2	6	88.4	1113		11.218482	

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	3	10	60.3	1142	1813	0.646821	1
1	1	10	76.3			1.005898	
2	2	10	74.4	1206		2.319745	
3	3	10	77.9	1095	1788	2.966485	
4	2	10	88.2	1519		4.014829	
5	2	10	83.6	1078		4.483603	
6	2	10	80.2	1946		5.743726	
7	3	10	59	1740	1283	6.767891	
8	1	10	95.9			7.182127	
9	2	10	92.2	1354		8.013637	
10	2	10	87.9	1729		9.375408	
11	2	10	63.7	1489		9.639942	
12	1	10	88.6			10.318458	
13	2	10	80	1200		11.55849	

Statistics 3 (ChirpCenter Frequency: 5255.0 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	64			0.536206	1
1	3	12	86.8	1692	1968	1.32643	
2	1	12	69.9			2.049557	
3	1	12	63.7			2.527765	
4	3	12	93.1	1388	1581	3.882659	
5	3	12	77	1248	1866	4.510638	
6	2	12	51.1	1901		5.072964	
7	3	12	50.5	1583	1065	5.756486	
8	1	12	88.3			7.14853	
9	1	12	53.8			7.280607	
10	1	12	71.9			8.042879	
11	2	12	51.3	1169		9.030445	
12	2	12	68	1397		9.785465	
13	1	12	57.9			10.950781	
14	2	12	92.4	1573		11.692819	

Statistics 4 (ChirpCenter Frequency: 5257.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	18	72.4	1897		0.613865	1
1	1	18	88			1.054692	
2	1	18	98			1.88563	
3	2	18	92.6	1868		2.24661	
4	1	18	66.7			3.004023	
5	1	18	79.6			3.84846	
6	2	18	61.8	1811		4.661238	
7	3	18	71.4	1868	1032	4.670778	
8	3	18	69.1	1764	1710	5.376495	
9	2	18	57.1	1507		6.207158	
10	2	18	83.5	1711		6.877768	
11	2	18	72.8	1841		7.940591	
12	1	18	94.5			8.041934	
13	2	18	63	1963		9.233749	
14	1	18	66.1			9.775222	
15	3	18	82.8	1709	1494	10.035885	
16	3	18	56.7	1076	1319	10.742121	
17	3	18	89.9	1878	1378	11.673131	

Statistics 5 (ChirpCenter Frequency: 5257.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	18	91	1285		0.736477	1
1	3	18	63.2	1494	1162	1.136224	
2	1	18	98.4			2.525767	
3	2	18	64.4	1096		2.81887	
4	3	18	55.9	1201	1209	3.552111	
5	1	18	52.9			4.675281	
6	1	18	88.8			5.802745	
7	2	18	56.1	1655		6.514909	
8	2	18	70.6	1287		7.60725	
9	2	18	54.2	1795		8.522513	
10	2	18	83.8	1193		8.610419	
11	1	18	64.6			9.987687	
12	1	18	81.6			10.87609	
13	3	18	66.1	1159	1342	11.790934	

Statistics 6 (ChirpCenter Frequency: 5257.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	18	65.6	1977		0.769922	1
1	2	18	98.5	1616		1.448096	
2	2	18	51.3	1032		1.921638	
3	1	18	74.1			2.62411	
4	2	18	77.9	1359		3.394295	
5	2	18	89.4	1588		4.085174	
6	2	18	54	1163		5.12578	
7	3	18	91.6	1847	1883	6.114438	
8	2	18	72.1	1872		6.540819	
9	3	18	75.1	1386	1360	7.932236	
10	1	18	98.5			8.18207	
11	2	18	91.2	1031		9.006954	
12	2	18	63.7	1289		10.057853	
13	3	18	70.9	1595	1168	11.121888	
14	2	18	85.4	1472		11.892291	

Statistics 7 (ChirpCenter Frequency: 5253.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	8	91.3			0.164138	1
1	2	8	96.8	1910		1.546813	
2	3	8	75.5	1195	1125	1.738194	
3	2	8	75.7	1067		2.631518	
4	2	8	80.2	1618		4.055794	
5	2	8	93.7	1236		4.549802	
6	1	8	60.7			5.751563	
7	3	8	60.1	1943	1230	6.714973	
8	3	8	87.4	1167	1864	7.33392	
9	1	8	59.4			8.473716	
10	3	8	84.7	1472	1738	8.8964	
11	2	8	69	1173		9.829952	
12	2	8	74.7	1910		10.807219	
13	2	8	79.2	1528		11.813345	

Statistics 8 (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	2	14	80	1747		1.185689	1
1	2	14	80.4	1278		2.001571	
2	1	14	83.2			2.885911	
3	1	14	71.9			4.513318	
4	3	14	70.3	1836	1487	5.450813	
5	1	14	68.7			6.709701	
6	3	14	92.5	1277	1481	7.682816	
7	2	14	98.1	1574		8.681586	
8	2	14	67.4	1829		9.739661	
9	2	14	62.6	1152		11.221481	

Statistics 9 (ChirpCenter Frequency: 5257.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	17	89.8	1823		0.286853	1
1	3	17	58.5	1995	1142	1.480481	
2	2	17	95	1991		2.059176	
3	2	17	62.7	1588		2.641628	
4	2	17	82.1	1679		3.744442	
5	2	17	59	1318		4.343673	
6	3	17	83.6	1430	1858	5.321475	
7	2	17	84.5	1843		5.96138	
8	2	17	83.6	1138		6.938414	
9	1	17	57.1			7.902944	
10	3	17	94.1	1640	1657	8.365336	
11	3	17	53	1285	1265	9.326479	
12	2	17	60	1188		10.15701	
13	2	17	68	1071		11.114587	
14	2	17	71.6	1491		11.987059	

Statistics 10 (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	2	16	69	1811		0.278535	1
1	2	16	98	1694		1.195912	
2	2	16	93.4	1274		1.346885	
3	2	16	82.8	1428		2.16486	
4	2	16	83.2	1738		3.274087	
5	1	16	98.8			3.334963	
6	1	16	95.7			4.229419	
7	3	16	96	1843	1275	4.695208	
8	1	16	75			5.886573	
9	1	16	71.8			6.2927	
10	3	16	68.6	1369	1167	6.93436	
11	3	16	52.1	1961	1666	7.742244	
12	2	16	95.4	1961		8.519246	
13	2	16	95.8	1620		9.163086	
14	3	16	58.8	1714	1805	9.85881	
15	2	16	74.8	1708		10.397337	
16	1	16	88			10.72059	
17	2	16	88.2	1457		11.744332	

Radar Type 5 Case 3 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5323.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	18	58.1	1215	1936	0.853433	1
1	1	18	92.9			1.85539	
2	3	18	75.9	1093	1165	2.008747	
3	2	18	93.4	1848		3.631486	
4	1	18	59.9			4.659864	
5	1	18	61.5			5.780477	
6	3	18	82	1934	1282	6.38595	
7	1	18	66.9			7.3857	
8	2	18	94.1	1746		8.201472	
9	3	18	51.5	1283	1191	9.598068	
10	1	18	91.8			10.350315	
11	3	18	94.5	1442	1743	11.698293	

Statistics 2 (ChirpCenter Frequency: 5322.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	19	53.2	1630		0.160504	1
1	2	19	80.8	1102		1.385982	
2	3	19	95.5	1737	1359	2.083113	
3	3	19	67.3	1791	1155	2.661869	
4	2	19	69.7	1716		3.417409	
5	3	19	96.5	1669	1714	4.649479	
6	2	19	66	1819		5.458711	
7	2	19	75.6	1437		5.853024	
8	2	19	59.9	1605		7.063179	
9	2	19	92.3	1799		7.910777	
10	2	19	72.2	1630		8.673	
11	2	19	52	1355		9.312355	
12	1	19	71.5			10.085481	
13	2	19	87.8	1645		10.69259	
14	2	19	97.5	1492		11.206596	

Statistics 3 (ChirpCenter Frequency: 5322.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	19	54.1	1466		0.303309	1
1	2	19	93.6	1760		0.868666	
2	1	19	77			1.87681	
3	3	19	62.8	1401	1421	2.603648	
4	1	19	75.4			3.561023	
5	2	19	78.6	1851		4.279385	
6	2	19	75.9	1511		4.946178	
7	3	19	52.3	1555	1011	5.254904	
8	2	19	58.7	1634		6.26545	
9	1	19	61.6			7.40523	
10	3	19	65.3	1385	1948	7.724152	
11	2	19	78.5	1217		8.877541	
12	3	19	87.7	1568	1503	9.204095	
13	1	19	83			10.211131	
14	3	19	69.7	1114	1095	11.182964	
15	3	19	56.1	1161	1720	11.662384	

Statistics 4 (ChirpCenter Frequency: 5326.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	11	81.9	1896	1381	0.316764	1
1	2	11	92.5	1367		1.457788	
2	1	11	80.4			1.862985	
3	2	11	51	1288		2.979221	
4	2	11	66.7	1085		3.212105	
5	1	11	91.4			4.438185	
6	1	11	69.2			5.353102	
7	2	11	86.7	1023		5.81801	
8	2	11	91.3	1901		6.534081	
9	1	11	66.5			7.622805	
10	2	11	60.8	1302		8.577855	
11	2	11	71	1964		9.146655	
12	2	11	52.3	1281		10.234904	
13	2	11	63	1912		11.093095	
14	2	11	96.3	1979		11.372239	

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	3	13	71.1	1408	1437	0.74855	1
1	2	13	76.5	1759		1.735348	
2	1	13	69.5			2.532187	
3	2	13	74.5	1528		3.751362	
4	3	13	93.8	1457	1591	4.901863	
5	2	13	67	1369		5.055263	
6	3	13	84.7	1621	1193	6.951235	
7	2	13	69.9	1557		7.725148	
8	1	13	96.8			8.058809	
9	3	13	57.5	1285	1783	9.018156	
10	1	13	50			10.735354	
11	2	13	79.7	1875		11.991395	

Statistics 6 (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	61.5	1959		0.021433	1
1	2	5	79.6	1546		0.962196	
2	3	5	87.6	1064	1208	1.72676	
3	2	5	55.4	1975		2.189113	
4	3	5	68.5	1411	1638	2.971033	
5	2	5	64.5	1745		3.411535	
6	1	5	90.2			3.891336	
7	2	5	57.7	1370		4.490414	
8	2	5	93.1	1299		5.344253	
9	2	5	62.3	1725		5.956528	
10	2	5	93.8	1032		6.580089	
11	1	5	72.7			7.531078	
12	2	5	98.8	1429		8.031586	
13	2	5	93.3	1480		8.288788	
14	2	5	93.7	1809		9.093231	
15	1	5	97.1			10.057155	
16	3	5	85.8	1768	1593	10.508426	
17	1	5	74.6			10.933356	
18	3	5	51.9	1518	1975	11.818882	

Statistics 7 (ChirpCenter Frequency: 5324.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	15	58.7	1219		0.260503	1
1	2	15	57.4	1133		1.35666	
2	1	15	99.8			2.859546	
3	3	15	88.3	1041	1865	5.014621	
4	2	15	73.4	1020		5.984904	
5	3	15	54.2	1659	1787	6.961365	
6	2	15	99.6	1955		8.707726	
7	3	15	71.4	1369	1376	10.611732	
8	2	15	98.4	1572		11.438088	

Statistics 8 (ChirpCenter Frequency: 5328.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	6	98.1	1056	1152	0.699395	1
1	1	6	57.4			1.91724	
2	2	6	69	1112		2.951115	
3	2	6	93.3	1345		3.974567	
4	3	6	87.2	1089	1233	4.24605	
5	2	6	74.8	1773		5.204131	
6	2	6	69.3	1787		6.815068	
7	1	6	86.3			7.28149	
8	2	6	63.1	1418		8.51499	
9	2	6	91	1166		9.431192	
10	2	6	70.3	1406		10.826701	
11	1	6	73.1			11.678053	

Statistics 9 (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	12	52.3	1739		0.321771	1
1	3	12	97.8	1810	1054	1.183296	
2	1	12	63.9			1.8727	
3	1	12	94.4			2.382668	
4	1	12	57.1			2.653015	
5	2	12	65.5	1085		3.357092	
6	3	12	60.4	1143	1185	4.209497	
7	3	12	58.4	1829	1495	4.761889	
8	2	12	78.8	1753		5.362707	
9	1	12	50.4			5.74028	
10	2	12	69.7	1351		6.690382	
11	2	12	58.2	1000		6.993659	
12	1	12	63.1			8.136751	
13	2	12	81	1179		8.406551	
14	1	12	94			9.052112	
15	2	12	66	1503		9.79979	
16	2	12	81.7	1085		10.527897	
17	2	12	76	1237		10.965204	
18	2	12	83.6	1806		11.673701	

Statistics 10 (ChirpCenter Frequency: 5326.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	10	64.9			0.522365	1
1	2	10	85.3	1384		1.513409	
2	2	10	88.3	1141		2.898508	
3	3	10	54	1855	1117	3.988825	
4	3	10	57.7	1359	1448	5.339236	
5	2	10	92.3	1342		6.420738	
6	2	10	53.9	1919		8.225484	
7	2	10	94.7	1699		9.092137	
8	3	10	98.2	1864	1383	9.786856	
9	2	10	86	1932		11.297032	

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	5367.0, 5342.0, 5493.0, 5518.0, 5714.0, 5488.0, 5724.0, 5482.0, 5252.0, 5655.0, 5686.0, 5352.0, 5357.0, 5321.0, 5316.0, 5520.0, 5372.0, 5460.0, 5541.0, 5551.0, 5344.0, 5314.0, 5271.0, 5526.0, 5269.0, 5616.0, 5313.0, 5284.0, 5535.0, 5622.0, 5517.0, 5642.0, 5278.0, 5442.0, 5408.0, 5436.0, 5504.0, 5359.0, 5494.0, 5641.0, 5619.0, 5654.0, 5721.0, 5581.0, 5397.0, 5662.0, 5264.0, 5353.0, 5584.0, 5652.0, 5385.0, 5458.0, 5689.0, 5337.0, 5477.0, 5604.0, 5259.0, 5510.0, 5574.0, 5667.0, 5636.0, 5597.0, 5549.0, 5296.0, 5561.0, 5525.0, 5713.0, 5709.0, 5606.0, 5491.0, 5547.0, 5578.0, 5589.0, 5612.0, 5593.0, 5288.0, 5461.0, 5291.0, 5638.0, 5293.0, 5511.0, 5497.0, 5253.0, 5415.0, 5354.0, 5575.0, 5274.0, 5447.0, 5355.0, 5356.0, 5644.0, 5403.0, 5376.0, 5472.0, 5522.0, 5560.0, 5618.0, 5463.0, 5486.0, 5299.0
2	5290	9	1	333	1	5443.0, 5608.0, 5489.0, 5440.0, 5642.0, 5527.0, 5415.0, 5715.0, 5611.0, 5384.0, 5714.0, 5506.0, 5451.0, 5606.0, 5409.0, 5624.0, 5658.0, 5287.0, 5674.0, 5433.0, 5612.0, 5560.0, 5495.0, 5723.0, 5558.0, 5386.0, 5293.0, 5516.0, 5254.0, 5289.0, 5710.0, 5640.0, 5262.0, 5267.0, 5671.0, 5492.0, 5534.0, 5669.0, 5716.0, 5322.0, 5702.0, 5280.0, 5271.0, 5379.0, 5255.0, 5276.0, 5510.0, 5662.0, 5347.0, 5316.0, 5632.0, 5321.0, 5645.0, 5591.0, 5636.0, 5554.0, 5722.0, 5412.0, 5621.0, 5705.0, 5408.0, 5598.0, 5673.0, 5461.0, 5533.0, 5487.0, 5651.0, 5694.0, 5268.0, 5618.0, 5473.0, 5573.0, 5477.0, 5619.0, 5685.0, 5479.0, 5265.0, 5406.0, 5310.0, 5414.0, 5634.0, 5326.0, 5340.0, 5692.0, 5493.0, 5345.0, 5668.0, 5676.0, 5644.0, 5387.0, 5562.0, 5315.0, 5635.0, 5494.0, 5589.0, 5388.0, 5341.0, 5339.0, 5556.0, 5432.0
3	5290	9	1	333	1	5573.0, 5625.0, 5698.0, 5478.0, 5722.0, 5630.0, 5528.0, 5696.0, 5270.0, 5436.0, 5430.0, 5555.0, 5544.0, 5309.0, 5668.0, 5372.0, 5302.0, 5257.0, 5622.0, 5251.0, 5392.0, 5627.0, 5450.0, 5328.0, 5662.0, 5623.0, 5522.0, 5704.0, 5513.0, 5557.0, 5701.0, 5613.0, 5404.0, 5596.0, 5315.0, 5475.0, 5432.0, 5321.0, 5510.0, 5509.0, 5340.0, 5297.0, 5471.0, 5721.0, 5269.0, 5385.0, 5288.0, 5672.0, 5482.0, 5284.0, 5491.0, 5636.0, 5670.0, 5397.0, 5283.0, 5561.0, 5428.0, 5610.0, 5441.0, 5717.0, 5465.0, 5433.0, 5669.0, 5268.0, 5615.0, 5527.0, 5391.0, 5666.0, 5570.0, 5415.0

						5551.0, 5434.0, 5271.0, 5413.0, 5675.0, 5686.0, 5535.0, 5279.0, 5560.0, 5592.0, 5399.0, 5554.0, 5689.0, 5563.0, 5461.0, 5684.0, 5457.0, 5614.0, 5473.0, 5299.0, 5388.0, 5705.0, 5588.0, 5410.0, 5458.0, 5515.0, 5533.0, 5631.0, 5431.0, 5468.0
4	5290	9	1	333	1	5437.0, 5373.0, 5671.0, 5694.0, 5532.0, 5551.0, 5379.0, 5653.0, 5423.0, 5576.0, 5263.0, 5558.0, 5548.0, 5258.0, 5336.0, 5326.0, 5302.0, 5292.0, 5305.0, 5566.0, 5356.0, 5256.0, 5584.0, 5403.0, 5598.0, 5467.0, 5634.0, 5712.0, 5315.0, 5640.0, 5300.0, 5483.0, 5503.0, 5661.0, 5464.0, 5428.0, 5673.0, 5412.0, 5488.0, 5690.0, 5691.0, 5337.0, 5383.0, 5693.0, 5528.0, 5518.0, 5554.0, 5711.0, 5522.0, 5582.0, 5405.0, 5355.0, 5553.0, 5298.0, 5409.0, 5310.0, 5410.0, 5316.0, 5447.0, 5430.0, 5649.0, 5352.0, 5524.0, 5362.0, 5396.0, 5485.0, 5480.0, 5497.0, 5526.0, 5648.0, 5685.0, 5550.0, 5482.0, 5701.0, 5461.0, 5380.0, 5533.0, 5559.0, 5696.0, 5333.0, 5290.0, 5286.0, 5588.0, 5494.0, 5521.0, 5474.0, 5499.0, 5529.0, 5386.0, 5479.0, 5312.0, 5616.0, 5444.0, 5657.0, 5489.0, 5359.0, 5477.0, 5303.0, 5429.0, 5577.0
5	5290	9	1	333	1	5443.0, 5695.0, 5606.0, 5354.0, 5407.0, 5672.0, 5587.0, 5575.0, 5486.0, 5286.0, 5285.0, 5580.0, 5404.0, 5570.0, 5714.0, 5357.0, 5601.0, 5624.0, 5488.0, 5710.0, 5629.0, 5324.0, 5348.0, 5517.0, 5571.0, 5476.0, 5452.0, 5552.0, 5612.0, 5471.0, 5694.0, 5374.0, 5572.0, 5262.0, 5417.0, 5436.0, 5720.0, 5633.0, 5312.0, 5278.0, 5254.0, 5679.0, 5397.0, 5666.0, 5321.0, 5451.0, 5426.0, 5410.0, 5333.0, 5386.0, 5306.0, 5259.0, 5336.0, 5504.0, 5670.0, 5448.0, 5466.0, 5533.0, 5598.0, 5675.0, 5460.0, 5299.0, 5307.0, 5590.0, 5494.0, 5500.0, 5652.0, 5385.0, 5323.0, 5501.0, 5491.0, 5689.0, 5609.0, 5462.0, 5396.0, 5664.0, 5408.0, 5268.0, 5704.0, 5349.0, 5363.0, 5718.0, 5656.0, 5402.0, 5450.0, 5524.0, 5716.0, 5653.0, 5538.0, 5703.0, 5390.0, 5497.0, 5445.0, 5370.0, 5562.0, 5287.0, 5257.0, 5369.0, 5550.0, 5594.0
6	5290	9	1	333	1	5655.0, 5390.0, 5587.0, 5338.0, 5359.0, 5591.0, 5294.0, 5674.0, 5287.0, 5292.0, 5441.0, 5251.0, 5569.0, 5429.0, 5609.0, 5436.0, 5697.0, 5354.0, 5394.0, 5391.0, 5567.0, 5450.0, 5521.0, 5526.0, 5486.0, 5300.0, 5350.0, 5439.0, 5500.0, 5302.0, 5399.0, 5478.0, 5274.0, 5645.0, 5616.0, 5700.0, 5694.0, 5503.0, 5408.0, 5575.0, 5258.0, 5384.0, 5372.0, 5695.0, 5583.0, 5510.0, 5678.0, 5689.0, 5318.0, 5608.0, 5424.0, 5559.0, 5556.0, 5594.0, 5679.0, 5358.0, 5529.0, 5654.0, 5504.0, 5623.0, 5603.0, 5268.0, 5455.0, 5286.0, 5279.0,

						5716.0, 5260.0, 5498.0, 5344.0, 5381.0, 5605.0, 5320.0, 5715.0, 5633.0, 5465.0, 5637.0, 5275.0, 5629.0, 5601.0, 5682.0, 5283.0, 5624.0, 5374.0, 5610.0, 5349.0, 5489.0, 5400.0, 5600.0, 5718.0, 5448.0, 5289.0, 5516.0, 5276.0, 5380.0, 5642.0, 5699.0, 5632.0, 5317.0, 5549.0, 5383.0
7	5290	9	1	333	1	5624.0, 5565.0, 5680.0, 5419.0, 5488.0, 5271.0, 5431.0, 5326.0, 5489.0, 5613.0, 5532.0, 5335.0, 5584.0, 5420.0, 5429.0, 5586.0, 5486.0, 5574.0, 5568.0, 5558.0, 5509.0, 5721.0, 5615.0, 5658.0, 5546.0, 5549.0, 5352.0, 5280.0, 5688.0, 5382.0, 5661.0, 5301.0, 5481.0, 5526.0, 5496.0, 5633.0, 5404.0, 5625.0, 5336.0, 5620.0, 5319.0, 5578.0, 5639.0, 5288.0, 5284.0, 5275.0, 5501.0, 5655.0, 5718.0, 5673.0, 5278.0, 5651.0, 5305.0, 5322.0, 5469.0, 5504.0, 5330.0, 5695.0, 5272.0, 5499.0, 5480.0, 5350.0, 5564.0, 5640.0, 5291.0, 5541.0, 5545.0, 5471.0, 5342.0, 5687.0, 5723.0, 5381.0, 5428.0, 5585.0, 5262.0, 5483.0, 5449.0, 5531.0, 5263.0, 5588.0, 5638.0, 5666.0, 5464.0, 5716.0, 5396.0, 5508.0, 5573.0, 5708.0, 5604.0, 5385.0, 5298.0, 5380.0, 5297.0, 5576.0, 5351.0, 5372.0, 5417.0, 5593.0, 5548.0, 5283.0
8	5290	9	1	333	1	5412.0, 5549.0, 5719.0, 5392.0, 5479.0, 5681.0, 5557.0, 5256.0, 5285.0, 5429.0, 5328.0, 5724.0, 5326.0, 5546.0, 5424.0, 5341.0, 5485.0, 5467.0, 5702.0, 5271.0, 5435.0, 5292.0, 5527.0, 5294.0, 5575.0, 5268.0, 5462.0, 5609.0, 5507.0, 5629.0, 5396.0, 5438.0, 5451.0, 5441.0, 5706.0, 5615.0, 5352.0, 5635.0, 5513.0, 5642.0, 5363.0, 5533.0, 5590.0, 5449.0, 5539.0, 5498.0, 5386.0, 5676.0, 5711.0, 5325.0, 5645.0, 5385.0, 5536.0, 5336.0, 5420.0, 5373.0, 5650.0, 5354.0, 5497.0, 5322.0, 5321.0, 5534.0, 5521.0, 5436.0, 5660.0, 5704.0, 5416.0, 5414.0, 5482.0, 5662.0, 5315.0, 5502.0, 5463.0, 5406.0, 5543.0, 5445.0, 5603.0, 5519.0, 5464.0, 5273.0, 5505.0, 5346.0, 5495.0, 5606.0, 5265.0, 5439.0, 5617.0, 5290.0, 5434.0, 5594.0, 5395.0, 5329.0, 5690.0, 5358.0, 5357.0, 5720.0, 5372.0, 5492.0, 5488.0, 5337.0
9	5290	9	1	333	1	5380.0, 5584.0, 5697.0, 5522.0, 5694.0, 5484.0, 5646.0, 5574.0, 5720.0, 5594.0, 5664.0, 5445.0, 5391.0, 5262.0, 5307.0, 5312.0, 5314.0, 5553.0, 5330.0, 5460.0, 5326.0, 5373.0, 5582.0, 5430.0, 5537.0, 5619.0, 5674.0, 5400.0, 5493.0, 5650.0, 5347.0, 5432.0, 5546.0, 5261.0, 5507.0, 5624.0, 5561.0, 5375.0, 5590.0, 5699.0, 5335.0, 5603.0, 5474.0, 5719.0, 5523.0, 5468.0, 5502.0, 5530.0, 5471.0, 5358.0, 5649.0, 5539.0, 5399.0, 5722.0, 5528.0, 5455.0, 5569.0, 5285.0, 5348.0, 5506.0,

						5638.0, 5345.0, 5392.0, 5288.0, 5274.0, 5684.0, 5364.0, 5677.0, 5300.0, 5542.0, 5478.0, 5458.0, 5415.0, 5427.0, 5629.0, 5669.0, 5698.0, 5705.0, 5580.0, 5576.0, 5611.0, 5403.0, 5612.0, 5289.0, 5370.0, 5491.0, 5688.0, 5606.0, 5418.0, 5402.0, 5620.0, 5630.0, 5433.0, 5419.0, 5640.0, 5278.0, 5642.0, 5497.0, 5483.0, 5633.0
10	5290	9	1	333	1	5345.0, 5687.0, 5646.0, 5696.0, 5318.0, 5654.0, 5588.0, 5255.0, 5359.0, 5694.0, 5510.0, 5667.0, 5319.0, 5539.0, 5609.0, 5676.0, 5251.0, 5364.0, 5292.0, 5286.0, 5268.0, 5339.0, 5471.0, 5297.0, 5477.0, 5391.0, 5558.0, 5392.0, 5371.0, 5512.0, 5637.0, 5366.0, 5412.0, 5362.0, 5703.0, 5555.0, 5623.0, 5724.0, 5361.0, 5427.0, 5369.0, 5285.0, 5468.0, 5514.0, 5293.0, 5616.0, 5349.0, 5630.0, 5428.0, 5272.0, 5419.0, 5524.0, 5358.0, 5457.0, 5525.0, 5324.0, 5400.0, 5506.0, 5303.0, 5383.0, 5340.0, 5455.0, 5619.0, 5705.0, 5561.0, 5631.0, 5307.0, 5363.0, 5593.0, 5496.0, 5269.0, 5322.0, 5415.0, 5551.0, 5548.0, 5565.0, 5447.0, 5658.0, 5583.0, 5715.0, 5564.0, 5464.0, 5688.0, 5462.0, 5597.0, 5454.0, 5381.0, 5421.0, 5444.0, 5590.0, 5332.0, 5305.0, 5498.0, 5399.0, 5424.0, 5649.0, 5274.0, 5531.0, 5479.0, 5545.0
11	5290	9	1	333	1	5349.0, 5599.0, 5653.0, 5710.0, 5644.0, 5356.0, 5545.0, 5474.0, 5619.0, 5276.0, 5500.0, 5534.0, 5659.0, 5505.0, 5679.0, 5364.0, 5680.0, 5432.0, 5478.0, 5542.0, 5445.0, 5538.0, 5686.0, 5548.0, 5360.0, 5454.0, 5703.0, 5312.0, 5399.0, 5283.0, 5416.0, 5514.0, 5574.0, 5391.0, 5298.0, 5279.0, 5381.0, 5397.0, 5533.0, 5648.0, 5589.0, 5687.0, 5623.0, 5268.0, 5660.0, 5335.0, 5289.0, 5273.0, 5422.0, 5435.0, 5316.0, 5702.0, 5370.0, 5411.0, 5333.0, 5682.0, 5453.0, 5336.0, 5404.0, 5520.0, 5253.0, 5527.0, 5561.0, 5622.0, 5670.0, 5547.0, 5271.0, 5634.0, 5380.0, 5674.0, 5423.0, 5479.0, 5655.0, 5471.0, 5581.0, 5673.0, 5305.0, 5664.0, 5308.0, 5451.0, 5551.0, 5378.0, 5309.0, 5718.0, 5615.0, 5375.0, 5636.0, 5417.0, 5676.0, 5282.0, 5409.0, 5525.0, 5296.0, 5678.0, 5646.0, 5499.0, 5410.0, 5394.0, 5528.0, 5598.0
12	5290	9	1	333	1	5455.0, 5711.0, 5589.0, 5680.0, 5645.0, 5642.0, 5672.0, 5410.0, 5490.0, 5594.0, 5295.0, 5617.0, 5396.0, 5581.0, 5438.0, 5681.0, 5259.0, 5521.0, 5536.0, 5416.0, 5336.0, 5505.0, 5578.0, 5560.0, 5646.0, 5458.0, 5692.0, 5633.0, 5701.0, 5541.0, 5496.0, 5273.0, 5605.0, 5349.0, 5563.0, 5366.0, 5511.0, 5667.0, 5364.0, 5555.0, 5386.0, 5330.0, 5514.0, 5459.0, 5651.0, 5418.0, 5552.0, 5435.0, 5354.0, 5522.0, 5604.0, 5509.0, 5367.0, 5409.0, 5576.0,

						5360.0, 5695.0, 5492.0, 5485.0, 5346.0, 5635.0, 5622.0, 5379.0, 5691.0, 5644.0, 5703.0, 5286.0, 5308.0, 5433.0, 5262.0, 5597.0, 5512.0, 5253.0, 5290.0, 5288.0, 5473.0, 5266.0, 5344.0, 5296.0, 5388.0, 5719.0, 5365.0, 5272.0, 5269.0, 5532.0, 5361.0, 5389.0, 5720.0, 5413.0, 5277.0, 5353.0, 5334.0, 5662.0, 5630.0, 5640.0, 5350.0, 5419.0, 5684.0, 5468.0, 5423.0
13	5290	9	1	333	1	5654.0, 5376.0, 5675.0, 5651.0, 5294.0, 5364.0, 5303.0, 5703.0, 5538.0, 5409.0, 5524.0, 5490.0, 5694.0, 5289.0, 5516.0, 5458.0, 5446.0, 5511.0, 5479.0, 5471.0, 5714.0, 5316.0, 5543.0, 5602.0, 5363.0, 5635.0, 5595.0, 5452.0, 5482.0, 5580.0, 5290.0, 5683.0, 5719.0, 5671.0, 5335.0, 5451.0, 5322.0, 5679.0, 5497.0, 5687.0, 5408.0, 5505.0, 5686.0, 5356.0, 5381.0, 5542.0, 5406.0, 5348.0, 5319.0, 5655.0, 5626.0, 5285.0, 5527.0, 5716.0, 5275.0, 5624.0, 5640.0, 5665.0, 5506.0, 5696.0, 5618.0, 5531.0, 5328.0, 5321.0, 5592.0, 5331.0, 5701.0, 5468.0, 5659.0, 5372.0, 5554.0, 5575.0, 5396.0, 5360.0, 5326.0, 5478.0, 5677.0, 5357.0, 5500.0, 5539.0, 5301.0, 5646.0, 5455.0, 5342.0, 5379.0, 5405.0, 5685.0, 5705.0, 5415.0, 5608.0, 5419.0, 5549.0, 5352.0, 5254.0, 5355.0, 5591.0, 5597.0, 5572.0, 5339.0, 5424.0
14	5290	9	1	333	1	5463.0, 5418.0, 5516.0, 5458.0, 5680.0, 5609.0, 5644.0, 5278.0, 5598.0, 5434.0, 5462.0, 5617.0, 5284.0, 5595.0, 5533.0, 5391.0, 5433.0, 5416.0, 5583.0, 5437.0, 5255.0, 5691.0, 5319.0, 5506.0, 5411.0, 5378.0, 5449.0, 5465.0, 5605.0, 5684.0, 5619.0, 5558.0, 5561.0, 5485.0, 5305.0, 5623.0, 5636.0, 5341.0, 5412.0, 5362.0, 5490.0, 5349.0, 5444.0, 5476.0, 5333.0, 5393.0, 5501.0, 5473.0, 5503.0, 5286.0, 5538.0, 5615.0, 5477.0, 5499.0, 5491.0, 5312.0, 5456.0, 5532.0, 5581.0, 5578.0, 5509.0, 5590.0, 5683.0, 5342.0, 5676.0, 5493.0, 5470.0, 5480.0, 5669.0, 5593.0, 5552.0, 5673.0, 5390.0, 5396.0, 5348.0, 5540.0, 5282.0, 5675.0, 5486.0, 5570.0, 5541.0, 5400.0, 5719.0, 5664.0, 5710.0, 5610.0, 5520.0, 5330.0, 5413.0, 5718.0, 5692.0, 5686.0, 5372.0, 5497.0, 5632.0, 5591.0, 5576.0, 5670.0, 5536.0, 5637.0
15	5290	9	1	333	1	5444.0, 5595.0, 5639.0, 5361.0, 5501.0, 5449.0, 5593.0, 5655.0, 5270.0, 5570.0, 5413.0, 5563.0, 5469.0, 5259.0, 5390.0, 5508.0, 5312.0, 5627.0, 5612.0, 5352.0, 5366.0, 5510.0, 5475.0, 5518.0, 5562.0, 5664.0, 5613.0, 5631.0, 5656.0, 5406.0, 5561.0, 5339.0, 5695.0, 5677.0, 5536.0, 5665.0, 5372.0, 5605.0, 5492.0, 5568.0, 5272.0, 5589.0, 5644.0, 5551.0, 5321.0, 5414.0, 5662.0, 5351.0, 5507.0, 5670.0,

						5648.0, 5684.0, 5314.0, 5688.0, 5635.0, 5594.0, 5690.0, 5485.0, 5521.0, 5440.0, 5680.0, 5705.0, 5359.0, 5383.0, 5416.0, 5287.0, 5370.0, 5509.0, 5397.0, 5599.0, 5288.0, 5319.0, 5698.0, 5326.0, 5617.0, 5491.0, 5465.0, 5650.0, 5687.0, 5571.0, 5279.0, 5529.0, 5566.0, 5461.0, 5673.0, 5535.0, 5307.0, 5430.0, 5721.0, 5467.0, 5346.0, 5495.0, 5586.0, 5358.0, 5618.0, 5320.0, 5666.0, 5519.0, 5488.0, 5694.0
16	5290	9	1	333	1	5634.0, 5716.0, 5506.0, 5285.0, 5408.0, 5535.0, 5703.0, 5479.0, 5470.0, 5291.0, 5713.0, 5549.0, 5645.0, 5351.0, 5717.0, 5651.0, 5545.0, 5520.0, 5669.0, 5656.0, 5444.0, 5589.0, 5566.0, 5704.0, 5255.0, 5515.0, 5606.0, 5458.0, 5474.0, 5273.0, 5639.0, 5604.0, 5553.0, 5525.0, 5316.0, 5573.0, 5344.0, 5334.0, 5439.0, 5365.0, 5288.0, 5333.0, 5442.0, 5534.0, 5694.0, 5480.0, 5575.0, 5641.0, 5382.0, 5708.0, 5501.0, 5465.0, 5698.0, 5518.0, 5313.0, 5412.0, 5434.0, 5658.0, 5260.0, 5552.0, 5712.0, 5692.0, 5356.0, 5610.0, 5536.0, 5411.0, 5594.0, 5384.0, 5262.0, 5540.0, 5565.0, 5415.0, 5718.0, 5508.0, 5283.0, 5678.0, 5391.0, 5419.0, 5605.0, 5582.0, 5294.0, 5706.0, 5548.0, 5428.0, 5389.0, 5590.0, 5482.0, 5392.0, 5266.0, 5542.0, 5629.0, 5563.0, 5543.0, 5437.0, 5690.0, 5318.0, 5256.0, 5319.0, 5618.0, 5445.0
17	5290	9	1	333	1	5377.0, 5317.0, 5261.0, 5571.0, 5693.0, 5428.0, 5643.0, 5258.0, 5478.0, 5529.0, 5597.0, 5659.0, 5288.0, 5297.0, 5611.0, 5336.0, 5375.0, 5515.0, 5402.0, 5513.0, 5305.0, 5574.0, 5690.0, 5583.0, 5544.0, 5564.0, 5502.0, 5254.0, 5419.0, 5567.0, 5633.0, 5598.0, 5468.0, 5696.0, 5392.0, 5462.0, 5600.0, 5505.0, 5369.0, 5568.0, 5667.0, 5391.0, 5528.0, 5479.0, 5719.0, 5676.0, 5374.0, 5530.0, 5547.0, 5443.0, 5497.0, 5629.0, 5517.0, 5717.0, 5367.0, 5382.0, 5605.0, 5461.0, 5277.0, 5533.0, 5527.0, 5626.0, 5621.0, 5548.0, 5488.0, 5350.0, 5296.0, 5493.0, 5390.0, 5496.0, 5545.0, 5463.0, 5576.0, 5281.0, 5670.0, 5326.0, 5260.0, 5671.0, 5401.0, 5425.0, 5503.0, 5357.0, 5553.0, 5464.0, 5625.0, 5580.0, 5648.0, 5663.0, 5339.0, 5716.0, 5482.0, 5444.0, 5268.0, 5306.0, 5560.0, 5407.0, 5271.0, 5723.0, 5589.0, 5251.0
18	5290	9	1	333	1	5290.0, 5369.0, 5328.0, 5382.0, 5310.0, 5520.0, 5458.0, 5342.0, 5597.0, 5335.0, 5295.0, 5293.0, 5664.0, 5467.0, 5674.0, 5552.0, 5276.0, 5431.0, 5286.0, 5460.0, 5355.0, 5283.0, 5296.0, 5392.0, 5479.0, 5635.0, 5573.0, 5445.0, 5255.0, 5430.0, 5463.0, 5585.0, 5443.0, 5285.0, 5675.0, 5686.0, 5672.0, 5481.0, 5680.0, 5452.0, 5602.0, 5699.0, 5473.0, 5612.0, 5534.0,

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19	5290	9	1	333	1	5525.0, 5424.0, 5518.0, 5653.0, 5490.0, 5702.0, 5629.0, 5571.0, 5544.0, 5339.0, 5432.0, 5631.0, 5595.0, 5291.0, 5397.0, 5265.0, 5441.0, 5450.0, 5521.0, 5637.0, 5449.0, 5569.0, 5640.0, 5444.0, 5394.0, 5279.0, 5254.0, 5715.0, 5455.0, 5288.0, 5259.0, 5426.0, 5437.0, 5284.0, 5603.0, 5562.0, 5407.0, 5551.0, 5271.0, 5574.0, 5674.0, 5478.0, 5453.0, 5652.0, 5474.0, 5515.0, 5499.0, 5373.0, 5501.0, 5692.0, 5341.0, 5580.0, 5396.0, 5706.0, 5322.0, 5627.0, 5645.0, 5267.0, 5303.0, 5295.0, 5360.0, 5287.0, 5691.0, 5634.0, 5635.0, 5386.0, 5561.0, 5611.0, 5459.0, 5662.0, 5327.0, 5313.0, 5615.0, 5480.0, 5292.0, 5343.0, 5657.0, 5320.0, 5509.0, 5416.0, 5699.0, 5356.0, 5547.0, 5261.0, 5463.0, 5315.0, 5568.0, 5443.0, 5364.0, 5520.0, 5405.0, 5372.0, 5700.0, 5716.0, 5375.0, 5316.0, 5514.0, 5419.0, 5594.0, 5331.0
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22	5290	9	1	333	1	5537.0, 5531.0, 5340.0, 5420.0, 5575.0, 5629.0, 5410.0, 5596.0, 5724.0, 5604.0, 5440.0, 5281.0, 5638.0, 5589.0, 5415.0, 5509.0, 5472.0, 5687.0, 5422.0, 5637.0, 5409.0, 5412.0, 5563.0, 5581.0, 5599.0, 5300.0, 5499.0, 5306.0, 5529.0, 5623.0, 5685.0, 5526.0, 5542.0, 5419.0, 5285.0, 5703.0, 5496.0, 5538.0, 5332.0, 5609.0, 5583.0, 5663.0, 5651.0, 5465.0, 5631.0, 5585.0, 5492.0, 5345.0, 5570.0, 5360.0, 5362.0, 5522.0, 5333.0, 5502.0, 5545.0, 5309.0, 5615.0, 5626.0, 5485.0, 5680.0, 5709.0, 5272.0, 5650.0, 5659.0, 5355.0, 5382.0, 5454.0, 5296.0, 5461.0, 5370.0, 5364.0, 5471.0, 5520.0, 5368.0, 5616.0, 5429.0, 5390.0, 5578.0, 5316.0, 5278.0, 5393.0, 5455.0, 5358.0, 5444.0, 5388.0, 5603.0, 5253.0, 5261.0, 5508.0, 5403.0, 5330.0, 5447.0, 5655.0, 5341.0, 5291.0, 5445.0, 5287.0, 5533.0, 5260.0, 5376.0
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25	5290	9	1	333	1	5378.0, 5302.0, 5556.0, 5718.0, 5407.0, 5311.0, 5541.0, 5586.0, 5703.0, 5492.0, 5637.0, 5724.0, 5325.0, 5517.0, 5531.0, 5677.0, 5290.0, 5605.0, 5349.0, 5484.0, 5454.0, 5327.0, 5252.0, 5260.0, 5462.0, 5679.0, 5553.0, 5565.0, 5474.0, 5512.0, 5370.0, 5567.0, 5478.0, 5634.0, 5628.0, 5706.0, 5555.0, 5334.0, 5352.0, 5524.0, 5627.0, 5362.0, 5670.0, 5522.0, 5348.0, 5291.0, 5691.0, 5675.0, 5569.0, 5516.0, 5466.0, 5391.0, 5663.0, 5315.0, 5587.0, 5358.0, 5303.0, 5431.0, 5612.0, 5321.0, 5406.0, 5425.0, 5398.0, 5520.0, 5672.0, 5631.0, 5684.0, 5435.0, 5341.0, 5594.0, 5437.0, 5530.0, 5365.0, 5420.0, 5700.0, 5361.0, 5648.0, 5324.0, 5455.0, 5319.0, 5335.0, 5649.0, 5395.0, 5714.0, 5721.0, 5615.0, 5662.0, 5442.0, 5441.0, 5623.0, 5384.0, 5486.0, 5257.0, 5574.0, 5626.0, 5330.0, 5489.0, 5268.0, 5613.0, 5570.0
26	5290	9	1	333	1	5399.0, 5368.0, 5722.0, 5330.0, 5627.0, 5485.0, 5617.0, 5677.0, 5704.0, 5461.0, 5619.0, 5696.0, 5523.0, 5396.0, 5414.0, 5650.0, 5476.0, 5377.0, 5455.0, 5310.0, 5339.0, 5697.0, 5315.0, 5469.0, 5388.0, 5680.0, 5288.0, 5517.0, 5491.0, 5283.0, 5481.0, 5335.0, 5597.0, 5595.0, 5559.0, 5443.0, 5688.0, 5598.0, 5623.0, 5474.0, 5562.0, 5527.0, 5574.0, 5294.0, 5300.0, 5504.0, 5667.0, 5642.0, 5708.0, 5434.0, 5454.0, 5522.0, 5411.0, 5586.0, 5582.0, 5507.0, 5332.0, 5470.0, 5700.0, 5658.0, 5592.0, 5529.0, 5423.0, 5560.0, 5590.0, 5382.0, 5535.0, 5266.0, 5357.0, 5621.0, 5707.0, 5444.0, 5313.0, 5253.0, 5369.0, 5670.0, 5264.0, 5601.0, 5391.0, 5284.0, 5515.0, 5298.0, 5634.0, 5541.0, 5544.0, 5691.0, 5387.0, 5466.0, 5256.0, 5674.0, 5694.0, 5706.0, 5572.0, 5699.0, 5448.0, 5305.0, 5492.0, 5472.0, 5344.0, 5524.0
27	5290	9	1	333	1	5661.0, 5317.0, 5294.0, 5266.0, 5536.0, 5692.0, 5537.0, 5280.0, 5591.0, 5424.0, 5693.0, 5470.0, 5719.0, 5662.0, 5502.0, 5466.0, 5336.0, 5715.0, 5710.0, 5318.0, 5362.0, 5436.0, 5622.0, 5287.0, 5487.0, 5698.0, 5562.0, 5335.0, 5485.0, 5703.0,

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28	5290	9	1	333	1	5279.0, 5685.0, 5601.0, 5266.0, 5522.0, 5630.0, 5388.0, 5712.0, 5282.0, 5373.0, 5498.0, 5496.0, 5511.0, 5435.0, 5502.0, 5256.0, 5720.0, 5436.0, 5594.0, 5554.0, 5589.0, 5604.0, 5299.0, 5578.0, 5680.0, 5689.0, 5722.0, 5508.0, 5667.0, 5378.0, 5443.0, 5337.0, 5397.0, 5717.0, 5307.0, 5298.0, 5265.0, 5286.0, 5557.0, 5422.0, 5313.0, 5708.0, 5458.0, 5476.0, 5620.0, 5495.0, 5676.0, 5335.0, 5582.0, 5474.0, 5439.0, 5663.0, 5504.0, 5534.0, 5537.0, 5486.0, 5493.0, 5371.0, 5257.0, 5347.0, 5334.0, 5711.0, 5551.0, 5468.0, 5370.0, 5432.0, 5462.0, 5356.0, 5531.0, 5374.0, 5324.0, 5471.0, 5556.0, 5440.0, 5700.0, 5542.0, 5269.0, 5416.0, 5333.0, 5401.0, 5338.0, 5380.0, 5615.0, 5621.0, 5414.0, 5463.0, 5660.0, 5552.0, 5368.0, 5564.0, 5670.0, 5358.0, 5251.0, 5701.0, 5264.0, 5600.0, 5699.0, 5318.0, 5344.0, 5692.0
29	5290	9	1	333	1	5531.0, 5268.0, 5527.0, 5454.0, 5272.0, 5664.0, 5596.0, 5684.0, 5450.0, 5715.0, 5285.0, 5262.0, 5326.0, 5639.0, 5402.0, 5652.0, 5548.0, 5313.0, 5304.0, 5594.0, 5324.0, 5719.0, 5622.0, 5337.0, 5439.0, 5504.0, 5558.0, 5333.0, 5277.0, 5267.0, 5544.0, 5626.0, 5518.0, 5340.0, 5357.0, 5321.0, 5701.0, 5559.0, 5460.0, 5409.0, 5287.0, 5323.0, 5435.0, 5564.0, 5609.0, 5603.0, 5373.0, 5493.0, 5296.0, 5347.0, 5709.0, 5445.0, 5379.0, 5423.0, 5580.0, 5557.0, 5582.0, 5317.0, 5578.0, 5658.0, 5615.0, 5526.0, 5636.0, 5633.0, 5694.0, 5651.0, 5315.0, 5457.0, 5563.0, 5314.0, 5510.0, 5592.0, 5305.0, 5648.0, 5610.0, 5669.0, 5470.0, 5350.0, 5675.0, 5581.0, 5472.0, 5466.0, 5413.0, 5659.0, 5298.0, 5318.0, 5502.0, 5565.0, 5566.0, 5368.0, 5425.0, 5676.0, 5430.0, 5678.0, 5467.0, 5662.0, 5718.0, 5367.0, 5573.0, 5519.0
30	5290	9	1	333	1	5684.0, 5628.0, 5447.0, 5471.0, 5690.0, 5544.0, 5662.0, 5497.0, 5347.0, 5691.0, 5666.0, 5704.0, 5578.0, 5355.0, 5568.0, 5465.0, 5403.0, 5526.0, 5299.0, 5267.0, 5648.0, 5282.0, 5698.0, 5651.0, 5612.0,

						5370.0, 5535.0, 5414.0, 5501.0, 5619.0, 5255.0, 5504.0, 5692.0, 5442.0, 5480.0, 5608.0, 5602.0, 5548.0, 5266.0, 5308.0, 5354.0, 5657.0, 5386.0, 5582.0, 5458.0, 5562.0, 5467.0, 5346.0, 5344.0, 5473.0, 5289.0, 5436.0, 5607.0, 5642.0, 5707.0, 5485.0, 5541.0, 5420.0, 5625.0, 5278.0, 5395.0, 5676.0, 5506.0, 5574.0, 5325.0, 5268.0, 5723.0, 5334.0, 5252.0, 5673.0, 5539.0, 5384.0, 5599.0, 5272.0, 5260.0, 5550.0, 5588.0, 5556.0, 5430.0, 5307.0, 5520.0, 5584.0, 5523.0, 5682.0, 5643.0, 5306.0, 5427.0, 5261.0, 5557.0, 5321.0, 5492.0, 5477.0, 5641.0, 5624.0, 5476.0, 5583.0, 5617.0, 5511.0, 5580.0, 5598.0
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40MHz

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	90%	60%	Pass
Type 4	30	90%	60%	Pass
Aggregate(Type1 to 4)	120	93.33%	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	58	1	918	1
2	5310	95	1	558	1
3	5310	61	1	878	1
4	5310	62	1	858	1
5	5310	99	1	538	1
6	5310	74	1	718	1
7	5310	76	1	698	1
8	5310	70	1	758	1
9	5310	92	1	578	1
10	5310	72	1	738	1
11	5310	89	1	598	1
12	5310	65	1	818	1
13	5310	67	1	798	1
14	5310	18	1	3066	1
15	5310	81	1	658	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	42	1	1270	1
2	5310	51	1	1043	1
3	5310	21	1	2563	1
4	5310	34	1	1572	1
5	5310	20	1	2767	0
6	5310	21	1	2564	1
7	5310	32	1	1672	1
8	5310	57	1	927	1
9	5310	31	1	1749	1
10	5310	51	1	1052	1
11	5310	19	1	2827	1
12	5310	39	1	1362	1
13	5310	67	1	790	1
14	5310	39	1	1383	1
15	5310	45	1	1180	1
Detection Percentage: 93.3 % (>60%)					

Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5310	26	3.9	201	1
2	5310	29	4.4	177	1
3	5310	27	4.6	157	1
4	5310	25	3	230	1
5	5310	25	3.4	214	1
6	5310	27	4.7	184	1
7	5310	24	1	195	1
8	5310	26	3.5	210	1
9	5310	27	1.7	168	1
10	5310	28	4.7	172	1
11	5310	25	4.8	158	1
12	5310	28	2.7	217	1
13	5310	23	4.6	178	1
14	5310	27	4.7	175	1
15	5310	28	2.1	199	1
16	5310	28	1.4	208	1
17	5310	23	1.8	187	1
18	5310	23	4.9	209	1
19	5310	28	1	203	1
20	5310	26	1.3	209	1
21	5310	26	1.6	183	1
22	5310	23	3.4	198	1
23	5310	23	1	195	1
24	5310	23	3.7	200	1
25	5310	24	2.8	150	0
26	5310	25	4.5	184	1
27	5310	23	3.1	164	1
28	5310	26	5	223	1
29	5310	26	3.4	184	1
30	5310	29	3.4	151	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	5310	17	7.5	287	1
2	5310	17	8.1	439	0
3	5310	16	7.9	414	1
4	5310	16	10	345	0
5	5310	16	7.4	257	1
6	5310	18	7.1	481	1
7	5310	16	9.8	256	1
8	5310	18	6.4	491	1
9	5310	18	8.8	269	1
10	5310	17	6.8	278	1
11	5310	16	7.6	469	1
12	5310	17	6.4	290	1
13	5310	18	7.7	413	1
14	5310	17	7.9	292	1
15	5310	17	8.1	485	1
16	5310	18	7.8	375	1
17	5310	18	7.8	276	1
18	5310	17	8.1	365	1
19	5310	16	6.7	317	0
20	5310	18	7.5	442	1
21	5310	18	7.1	376	1
22	5310	18	8	227	1
23	5310	16	7.8	278	1
24	5310	16	8.1	328	1
25	5310	17	8.2	245	1
26	5310	17	9	229	1
27	5310	17	9.8	201	1
28	5310	18	6.1	216	1
29	5310	16	7	243	1
30	5310	18	7.4	213	1
Detection Percentage: 90% (>60%)					

Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5310	14	18.5	282	1
2	5310	15	19.8	277	1
3	5310	12	19.9	448	1
4	5310	12	12.2	350	1
5	5310	14	15.7	360	1
6	5310	14	16.7	386	0
7	5310	15	14.4	448	0
8	5310	16	16.8	330	1
9	5310	13	13.1	372	1
10	5310	15	14	279	1
11	5310	13	14.3	380	1
12	5310	14	13.5	422	1
13	5310	16	15.6	450	1
14	5310	16	18.2	321	1
15	5310	15	16.7	480	1
16	5310	16	12.6	499	1
17	5310	14	20	240	1
18	5310	15	16.3	337	1
19	5310	14	16.5	454	1
20	5310	13	15.1	261	1
21	5310	15	12.8	422	1
22	5310	15	19.8	453	1
23	5310	12	17.5	273	1
24	5310	12	15.8	209	0
25	5310	16	12.8	278	1
26	5310	12	13.4	343	1
27	5310	14	16.6	210	1
28	5310	13	14.5	225	1
29	5310	13	14.8	436	1
30	5310	12	19.8	216	1
Detection Percentage: 90 % (>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	3	14	92	1580	1066	0.493592	1
1	1	14	76.8			1.837974	
2	1	14	87			2.364709	
3	1	14	78.2			3.319238	
4	2	14	57.2	1530		3.996917	
5	2	14	86.5	1864		4.725867	
6	3	14	60	1526	1327	5.881267	
7	2	14	51	1402		6.872231	
8	2	14	56.1	1029		7.931726	
9	2	14	54.4	1612		9.081248	
10	2	14	98.2	1199		9.976717	
11	3	14	98.1	1566	1528	10.705841	
12	2	14	71.8	1373		11.287805	

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	1	14	60.2			0.061504	1
1	2	14	53.4	1125		0.86166	
2	1	14	97.5			1.63351	
3	3	14	95.9	1789	1615	2.610736	
4	2	14	89.1	1694		2.957743	
5	2	14	83.3	1900		3.440815	
6	3	14	97	1282	1369	4.401601	
7	1	14	94			5.078796	
8	1	14	50.5			5.811996	
9	3	14	55.8	1339	1094	6.207287	
10	2	14	85.5	1394		7.245736	
11	2	14	54.2	1438		7.911507	
12	2	14	64.1	1303		8.646546	
13	3	14	72.8	1197	1927	9.222696	
14	3	14	62.5	1147	1142	9.800544	
15	1	14	79.3			10.359239	
16	2	14	53.3	1130		10.989372	
17	2	14	88.8	1044		11.962898	

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	2	12	59.1	1593		0.603574	1
1	2	12	63.3	1470		1.267115	
2	1	12	61			3.357807	
3	1	12	93.4			4.126678	
4	2	12	64.7	1617		5.800843	
5	1	12	67.3			6.689644	
6	2	12	64	1612		7.95345	
7	2	12	92.8	1861		8.530175	
8	2	12	50.5	1482		10.306326	
9	3	12	61.5	1689	1524	11.38616	

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	8	88.4			0.28488	1
1	3	8	51	1697	1760	1.070082	
2	1	8	76.2			1.764516	
3	2	8	83.7	1951		2.312721	
4	3	8	88.3	1687	1400	2.531602	
5	3	8	76.2	1139	1374	3.21316	
6	2	8	53.1	1594		3.972525	
7	3	8	68.9	1033	1407	4.484181	
8	3	8	57.9	1300	1175	4.964119	
9	1	8	75.7			5.742804	
10	2	8	79	1844		6.529504	
11	3	8	75.7	1144	1685	7.071228	
12	1	8	93.7			7.687685	
13	3	8	79.3	1905	1512	7.977904	
14	2	8	79.9	1385		8.573069	
15	3	8	91.5	1430	1184	9.153413	
16	3	8	76.3	1993	1403	9.961154	
17	2	8	94.5	1616		10.424177	
18	3	8	80.7	1167	1990	10.887828	
19	3	8	60	1192	1691	11.674554	

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	12	51	1601		0.059338	1
1	2	12	85.1	1127		1.271926	
2	2	12	72.7	1959		1.483152	
3	2	12	61.9	1101		2.054013	
4	2	12	59.9	1926		2.676515	
5	3	12	60.9	1903	1836	3.795035	
6	2	12	85.3	1767		4.090203	
7	2	12	80.9	1107		4.739442	
8	2	12	57.5	1691		5.750902	
9	3	12	64.2	1793	1876	6.480885	
10	2	12	57.2	1497		7.064942	
11	2	12	52.7	1896		7.566979	
12	2	12	64.6	1334		8.418803	
13	1	12	70.9			8.697453	
14	3	12	95.1	1654	1861	9.703406	
15	3	12	97.2	1806	1033	10.196318	
16	1	12	58.4			10.769059	
17	3	12	56.6	1911	1234	11.464557	

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	2	15	65.3	1879		0.265948	1
1	2	15	82.9	1928		1.023398	
2	3	15	84	1031	1774	1.487827	
3	2	15	59.2	1430		1.98001	
4	2	15	88.1	1198		2.817768	
5	2	15	51.3	1170		3.48399	
6	3	15	58.2	1641	1682	3.714735	
7	3	15	69.3	1073	1594	4.468759	
8	1	15	82.9			4.842531	
9	2	15	65.6	1314		5.769214	
10	3	15	97.4	1485	1593	6.338194	
11	2	15	52.9	1306		7.188243	
12	3	15	84	1255	1818	7.301116	
13	2	15	84	1255		8.010555	
14	2	15	75	1824		8.727595	
15	1	15	82.2			9.327007	
16	3	15	87.4	1339	1623	10.080226	
17	2	15	59.6	1982		10.449354	
18	1	15	66.8			11.213618	
19	2	15	65.6	1097		11.728121	

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	10	89.7	1325		0.623991	1
1	2	10	91	1334		1.254484	
2	3	10	66.4	1035	1539	1.859914	
3	3	10	98.4	1012	1780	2.286922	
4	3	10	96.9	1173	1537	2.934683	
5	3	10	65.4	1908	1330	3.576837	
6	2	10	69.4	1486		4.437391	
7	1	10	56.2			5.274501	
8	3	10	77.4	1944	1527	5.909754	
9	1	10	60.9			6.644742	
10	3	10	84	1616	1024	7.362405	
11	2	10	70.7	1436		7.986966	
12	1	10	80.8			8.626326	
13	1	10	90.1			9.540396	
14	3	10	86.6	1562	1736	10.322617	
15	3	10	96.8	1254	1712	10.767179	
16	2	10	60.6	1961		11.869925	

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	10	90.7	1400	1433	0.399527	1
1	3	10	79.9	1538	1368	1.86253	
2	2	10	96.1	1434		2.029088	
3	3	10	52.1	1607	1184	3.838972	
4	1	10	56.4			4.011746	
5	1	10	65.7			5.04548	
6	1	10	60.7			6.069725	
7	1	10	59.1			7.341757	
8	2	10	61.4	1393		8.808993	
9	1	10	96			9.063536	
10	3	10	64.5	1934	1664	10.537848	
11	2	10	97.1	1603		11.963505	

Statistics 9 (ChirpCenter Frequency: 5310.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	15	96.1	1963		0.569364	1
1	1	15	52.4			1.385569	
2	2	15	97.8	1809		1.998272	
3	3	15	59.7	1768	1927	2.414566	
4	1	15	89.1			3.430317	
5	3	15	55.6	1084	1362	4.183168	
6	1	15	92.2			4.896116	
7	2	15	58.4	1556		5.202927	
8	2	15	91	1766		6.287214	
9	2	15	90.9	1154		6.453911	
10	2	15	69.7	1817		7.205601	
11	2	15	79.7	1173		8.251576	
12	2	15	82.7	1590		9.091208	
13	1	15	69.2			9.661525	
14	3	15	91.4	1781	1662	10.567356	
15	2	15	87.9	1839		10.962652	
16	2	15	89.9	1321		11.594992	

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	2	5	85.3	1820		0.159231	1
1	2	5	90.8	1957		1.031514	
2	2	5	89.2	1274		1.559777	
3	3	5	89.4	1749	1075	2.660722	
4	2	5	99.7	1852		2.963146	
5	1	5	84.9			3.772171	
6	2	5	99.6	1376		4.166148	
7	1	5	76.8			4.706044	
8	3	5	95.2	1703	1447	5.943899	
9	3	5	56.3	1657	1401	6.439579	
10	1	5	74.4			6.857248	
11	2	5	71.7	1502		7.649391	
12	2	5	98	1523		8.461761	
13	3	5	58.3	1156	1229	8.836334	
14	2	5	52.2	1141		9.635473	
15	2	5	84	1930		10.508136	
16	1	5	67.5			11.066615	
17	3	5	95.5	1808	1070	11.4623	

Radar Type 5 Case 2 Statistical Performance

Statistics 1 (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	91.1	1787	1197	0.6387	1
1	2	13	80.5	1483		0.959782	
2	2	13	68.6	1749		1.378842	
3	3	13	84.7	1128	1399	2.595998	
4	1	13	80.3			3.221629	
5	2	13	73.7	1988		3.796859	
6	2	13	71.1	1509		4.019628	
7	2	13	54	1835		5.236005	
8	3	13	55.8	1113	1538	5.518066	
9	2	13	76.4	1940		6.105711	
10	2	13	81	1379		7.06228	
11	2	13	65.5	1537		7.868753	
12	1	13	51.8			8.432371	
13	1	13	65			9.277373	
14	1	13	99.1			9.547771	
15	2	13	52.7	1731		10.039148	
16	2	13	84.1	1781		10.9073	
17	2	13	90.9	1652		11.526053	

Statistics 2 (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	58.2	1227	1344	0.154553	1
1	2	13	61	1651		0.911858	
2	2	13	60.7	1018		1.509632	
3	2	13	89.3	1370		2.491565	
4	2	13	73.5	1365		3.258533	
5	2	13	57.5	1166		3.464729	
6	1	13	84.2			4.403285	
7	2	13	80.5	1044		4.990864	
8	3	13	79	1376	1872	5.540952	
9	1	13	85.6			6.583567	
10	3	13	60	1261	1232	6.79094	
11	3	13	69.5	1370	1180	7.384436	
12	3	13	83.7	1647	1221	8.312144	
13	2	13	74.3	1280		9.258669	
14	2	13	65.4	1416		9.463992	
15	2	13	81.4	1055		10.161915	
16	3	13	86.6	1351	1899	11.133521	
17	2	13	90.6	1380		11.477715	

Statistics 3 (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	80.3	1728		0.165056	1
1	2	8	52.9	1414		0.946973	
2	1	8	96.7			1.438956	
3	1	8	72.4			2.266987	
4	1	8	67			3.007275	
5	2	8	85.5	1424		3.803237	
6	3	8	94.4	1502	1090	4.617052	
7	2	8	98.2	1873		5.025692	
8	1	8	58.5			5.864077	
9	1	8	71.9			6.790288	
10	2	8	71.3	1128		7.353949	
11	1	8	64.6			8.080024	
12	1	8	53.6			8.506953	
13	2	8	56	1086		9.49131	
14	2	8	95.6	1691		10.540983	
15	2	8	79.6	1602		10.987077	
16	2	8	62.3	1895		11.400276	

Statistics 4 (ChirpCenter Frequency: 5298.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	9	69.2	1765		0.936289	1
1	1	9	51.4			1.563154	
2	3	9	82	1034	1576	2.855535	
3	2	9	60.5	1316		5.2752	
4	1	9	96.8			5.551286	
5	2	9	92	1630		6.832009	
6	2	9	64.8	1953		8.08169	
7	1	9	54.6			10.400603	
8	3	9	61.2	1669	1797	10.861831	

Statistics 5 (ChirpCenter Frequency: 5297.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	19	66.6			0.050515	1
1	3	19	50.1	1582	1830	1.092544	
2	1	19	90.5			1.499406	
3	1	19	90.5			2.416412	
4	2	19	96.1	1432		3.352364	
5	3	19	65.4	1562	1940	3.80539	
6	1	19	67.9			4.880992	
7	3	19	74.1	1082	1770	5.156667	
8	2	19	94.6	1788		6.145509	
9	3	19	74.9	1221	1191	6.529152	
10	2	19	91.3	1650		7.473943	
11	2	19	77.6	1634		8.355025	
12	1	19	55.5			8.863228	
13	1	19	83.7			9.382714	
14	2	19	99.9	1459		9.975733	
15	1	19	53.3			10.969931	
16	2	19	65.6	1901		11.703467	

Statistics 6 (ChirpCenter Frequency: 5296.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	17	77.2	1593		0.335715	1
1	2	17	93.3	1820		1.030372	
2	1	17	63.1			1.962997	
3	2	17	54.3	1496		3.384457	
4	2	17	97.5	1516		4.032599	
5	1	17	59.3			4.79251	
6	2	17	89	1029		5.942881	
7	2	17	77	1873		6.929163	
8	3	17	88.6	1108	1528	7.528389	
9	2	17	63	1521		8.435162	
10	3	17	53.6	1935	1042	9.399154	
11	1	17	85.7			11.028776	
12	2	17	54.6	1985		11.678917	

Statistics 7 (ChirpCenter Frequency: 5292.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	14	66.9	1870		0.01696	1
1	3	14	52.3	1943	1515	1.332432	
2	3	14	88.2	1303	1492	2.162121	
3	2	14	68.4	1242		2.768151	
4	1	14	77.9			4.183125	
5	3	14	88	1625	1902	4.541505	
6	1	14	84.7			5.298047	
7	3	14	91.5	1676	1085	6.111224	
8	2	14	84.6	1058		7.150109	
9	2	14	65.6	1608		7.818367	
10	2	14	86	1826		9.107033	
11	2	14	66.7	1551		10.204008	
12	2	14	87.6	1741		10.807284	
13	2	14	70.7	1383		11.574657	

Statistics 8 (ChirpCenter Frequency: 5292.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	10	80.1			0.127692	1
1	2	10	63.6	1404		1.704825	
2	1	10	58			2.356549	
3	3	10	71.7	1147	1228	3.271467	
4	2	10	56	1747		3.439139	
5	3	10	54.1	1855	1554	4.936152	
6	3	10	70.5	1061	1332	5.788766	
7	2	10	62.1	1153		6.056422	
8	3	10	52.8	1220	1973	7.161398	
9	1	10	81.1			8.248772	
10	1	10	56.6			8.808356	
11	3	10	97.6	1056	1157	9.559735	
12	2	10	51.7	1014		10.657857	
13	1	10	82.4			11.756741	

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	1	7	85.3			0.115838	1
1	1	7	53.3			1.443689	
2	2	7	90.6	1171		2.6011	
3	3	7	80.7	1484	1173	4.206606	
4	3	7	75.9	1230	1091	4.641886	
5	2	7	64.5	1217		5.956286	
6	2	7	64.3	1083		6.945047	
7	2	7	63.7	1473		8.612252	
8	2	7	76.9	1418		9.771253	
9	2	7	99.8	1337		10.531175	
10	3	7	91.1	1498	1055	11.827152	

Statistics 10 (ChirpCenter Frequency: 5294.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	16	90.2			1.441286	1
1	2	16	87.6	1751		2.554211	
2	1	16	61.2			3.316942	
3	2	16	50	1387		5.593082	
4	2	16	79	1875		7.27647	
5	1	16	73.7			7.723	
6	2	16	98.3	1417		10.4618	
7	2	16	62.7	1405		11.584765	

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	1	10	81.7			1.108271	1
1	3	10	80	1904	1391	2.579731	
2	2	10	75.4	1170		3.882252	
3	1	10	66.7			5.038119	
4	2	10	87.7	1822		5.863056	
5	1	10	77.3			7.533003	
6	1	10	99.3			8.364687	
7	2	10	92.4	1611		10.510401	
8	3	10	81	1559	1869	10.900743	

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	3	14	62.2	1446	1573	0.562881	1
1	2	14	90.7	1905		1.290429	
2	3	14	83.2	1830	1552	1.700128	
3	2	14	94.1	1018		2.828339	
4	3	14	72	1229	1710	3.400882	
5	3	14	58	1755	1698	4.632473	
6	3	14	68.3	1872	1073	5.467511	
7	2	14	82	1991		5.995259	
8	2	14	60	1268		6.838327	
9	2	14	64.8	1419		7.902067	
10	3	14	93.9	1501	1408	8.260659	
11	3	14	57.5	1882	1702	9.467484	
12	3	14	95.8	1051	1328	9.65523	
13	3	14	99.6	1223	1630	11.059677	
14	2	14	97.1	1841		11.271794	

Statistics 3 (ChirpCenter Frequency: 5318.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	6	98.6	1022		0.608292	1
1	2	6	51.5	1148		1.069938	
2	1	6	80.2			1.816886	
3	2	6	84.8	1409		2.317547	
4	1	6	90.3			2.971701	
5	2	6	97.1	1751		3.858275	
6	2	6	58.1	1278		4.005322	
7	2	6	99.7	1988		4.850756	
8	2	6	89	1258		5.670406	
9	2	6	84.6	1907		6.009075	
10	1	6	75.4			6.771502	
11	1	6	68			7.797259	
12	3	6	91.9	1804	1688	8.644076	
13	2	6	79.2	1797		8.817517	
14	2	6	62.6	1542		9.375039	
15	2	6	55.8	1058		10.374991	
16	3	6	74.5	1744	1281	11.270419	
17	1	6	59.1			11.424953	

Statistics 4 (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	11	80.8	1190	1400	0.350283	1
1	1	11	70.8			1.778317	
2	1	11	77.4			2.044914	
3	2	11	59.9	1322		3.795964	
4	2	11	53.4	1282		4.055272	
5	1	11	61.2			5.010957	
6	2	11	92.2	1781		6.568722	
7	2	11	83.5	1208		7.831309	
8	3	11	68	1357	1203	8.652457	
9	1	11	94.4			9.575755	
10	2	11	94.6	1926		10.193103	
11	2	11	53	1793		11.926614	

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	11	80.6	1733	1524	0.181939	1
1	3	11	65.6	1607	1021	1.053885	
2	1	11	50.2			1.350821	
3	2	11	64.2	1974		2.13751	
4	1	11	77.8			2.680106	
5	2	11	54.5	1543		3.667746	
6	3	11	83.5	1832	1233	4.1491	
7	2	11	54.1	1231		4.904674	
8	3	11	90.3	1727	1952	5.342204	
9	2	11	54.9	1745		5.841374	
10	2	11	86	1984		6.475356	
11	2	11	73.6	1217		7.217731	
12	3	11	58.5	1564	1757	7.975805	
13	2	11	75.6	1246		8.603932	
14	2	11	67.7	1820		9.392098	
15	2	11	64.2	1418		9.663334	
16	1	11	92.8			10.22594	
17	1	11	71.8			10.819758	
18	1	11	72.4			11.700314	

Statistics 6 (ChirpCenter Frequency: 5325.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	19	72.8	1948		0.041889	1
1	2	19	88.9	1352		1.180345	
2	2	19	89.7	1474		1.819316	
3	1	19	92.1			2.150248	
4	2	19	87.1	1583		2.782071	
5	2	19	98.6	1890		3.271563	
6	1	19	95.7			4.396415	
7	3	19	75.1	1611	1255	4.881625	
8	1	19	55.4			5.450198	
9	3	19	98.5	1973	1904	6.2635	
10	2	19	51.1	1304		6.922965	
11	2	19	95.5	1171		7.224575	
12	1	19	97.5			7.895469	
13	1	19	98.9			8.483009	
14	2	19	57.8	1609		8.974044	
15	1	19	65			9.787887	
16	3	19	55.8	1914	1525	10.411959	
17	1	19	87.9			11.346036	
18	2	19	51	1986		11.719426	

Statistics 7 (ChirpCenter Frequency: 5324.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	8	58.1	1016		0.017077	1
1	1	8	78.5			1.582115	
2	2	8	79.6	1618		2.359671	
3	3	8	70.6	1185	1833	2.927364	
4	1	8	83.6			3.66756	
5	1	8	82.1			4.54391	
6	3	8	91.1	1303	1501	5.369553	
7	2	8	72.7	1908		6.790818	
8	3	8	63.8	1336	1009	7.281411	
9	2	8	74.7	1519		8.124658	
10	2	8	73.1	1566		8.780101	
11	3	8	69.2	1779	1951	9.884332	
12	3	8	69.9	1685	1120	11.019575	
13	2	8	52.1	1414		11.844819	

Statistics 8 (ChirpCenter Frequency: 5323.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	6	79.9	1034		0.208352	1
1	2	6	51.9	1701		0.974751	
2	3	6	94.8	1183	1274	1.668708	
3	1	6	86			2.818774	
4	1	6	79.2			3.429226	
5	2	6	96	1716		3.606037	
6	3	6	63.4	1037	1736	4.894562	
7	2	6	50.7	1205		5.537211	
8	1	6	76.8			6.167996	
9	3	6	81.6	1754	1278	6.909046	
10	2	6	80.4	1686		7.32021	
11	2	6	71.9	1125		7.977716	
12	1	6	75.1			9.158565	
13	2	6	93.9	1323		9.850293	
14	2	6	52.7	1356		10.494768	
15	1	6	63.3			10.807969	
16	3	6	61.5	1979	1470	11.497611	

Statistics 9 (ChirpCenter Frequency: 5324.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	11	87.5	1933	1994	0.166768	1
1	2	11	68.3	1929		2.385412	
2	2	11	77.1	1393		3.802802	
3	2	11	51	1433		4.394272	
4	2	11	66.3	1214		6.029611	
5	3	11	64.3	1996	1457	7.723709	
6	3	11	69.8	1484	1074	8.545747	
7	2	11	76.4	1471		9.522354	
8	2	11	66.9	1410		11.555956	

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	17	97.9			0.16256	1
1	3	17	58.5	1110	1542	0.868743	
2	3	17	93.6	1934	1757	1.425789	
3	1	17	86.3			2.119135	
4	2	17	84.3	1743		2.562308	
5	2	17	61.9	1434		3.297561	
6	1	17	51			3.796078	
7	1	17	91.4			4.363835	
8	2	17	64.3	1156		5.313169	
9	3	17	56.1	1068	1864	5.53088	
10	1	17	75			6.089005	
11	3	17	95.9	1061	1491	6.79466	
12	1	17	83.8			7.501351	
13	1	17	94.4			8.233292	
14	3	17	50.3	1671	1055	8.941146	
15	2	17	89.4	1927		9.138097	
16	2	17	73.2	1515		10.103774	
17	2	17	51	1712		10.655126	
18	1	17	69.6			11.315356	
19	3	17	77	1876	1565	11.465512	

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	5706.0, 5652.0, 5521.0, 5251.0, 5707.0, 5458.0, 5328.0, 5314.0, 5379.0, 5664.0, 5564.0, 5398.0, 5511.0, 5543.0, 5616.0, 5692.0, 5313.0, 5490.0, 5307.0, 5634.0, 5506.0, 5408.0, 5518.0, 5576.0, 5672.0, 5687.0, 5600.0, 5579.0, 5273.0, 5639.0, 5425.0, 5412.0, 5475.0, 5416.0, 5667.0, 5548.0, 5316.0, 5533.0, 5592.0, 5315.0, 5373.0, 5718.0, 5334.0, 5388.0, 5498.0, 5288.0, 5626.0, 5449.0, 5340.0, 5478.0, 5550.0, 5277.0, 5603.0, 5650.0, 5641.0, 5403.0, 5601.0, 5471.0, 5250.0, 5699.0, 5624.0, 5430.0, 5708.0, 5635.0, 5690.0, 5497.0, 5658.0, 5648.0, 5342.0, 5429.0, 5337.0, 5551.0, 5294.0, 5665.0, 5387.0, 5535.0, 5657.0, 5505.0, 5523.0, 5702.0, 5338.0, 5405.0, 5715.0, 5637.0, 5586.0, 5393.0, 5560.0, 5651.0, 5669.0, 5489.0, 5330.0, 5581.0, 5622.0, 5423.0, 5532.0, 5301.0, 5698.0, 5666.0, 5643.0, 5663.0
2	5310	9	1	333	1	5659.0, 5450.0, 5382.0, 5635.0, 5528.0, 5308.0, 5541.0, 5503.0, 5587.0, 5614.0, 5674.0, 5260.0, 5721.0, 5504.0, 5460.0, 5722.0, 5326.0, 5657.0, 5322.0, 5467.0, 5436.0, 5535.0, 5706.0, 5407.0, 5385.0, 5423.0, 5500.0, 5514.0, 5581.0, 5699.0, 5510.0, 5723.0, 5416.0, 5457.0, 5325.0, 5399.0, 5290.0, 5625.0, 5525.0, 5513.0, 5648.0, 5300.0, 5476.0, 5509.0, 5278.0, 5666.0, 5426.0, 5388.0, 5702.0, 5331.0, 5372.0, 5392.0, 5359.0, 5486.0, 5675.0, 5592.0, 5658.0, 5298.0, 5644.0, 5256.0, 5270.0, 5492.0, 5609.0, 5429.0, 5481.0, 5293.0, 5285.0, 5366.0, 5617.0, 5314.0, 5380.0, 5562.0, 5484.0, 5628.0, 5536.0, 5650.0, 5678.0, 5547.0, 5608.0, 5585.0, 5567.0, 5464.0, 5282.0, 5432.0, 5477.0, 5368.0, 5264.0, 5319.0, 5313.0, 5597.0, 5441.0, 5402.0, 5601.0, 5365.0, 5718.0, 5474.0, 5251.0, 5580.0, 5317.0, 5687.0
3	5310	9	1	333	1	5581.0, 5372.0, 5432.0, 5494.0, 5270.0, 5384.0, 5307.0, 5453.0, 5482.0, 5559.0, 5259.0, 5626.0, 5290.0, 5599.0, 5280.0, 5462.0, 5318.0, 5287.0, 5609.0, 5301.0, 5477.0, 5367.0, 5298.0, 5650.0, 5341.0, 5393.0, 5435.0, 5437.0, 5573.0, 5661.0, 5445.0, 5503.0, 5556.0, 5389.0, 5376.0, 5709.0, 5495.0, 5300.0, 5395.0, 5724.0, 5714.0, 5580.0, 5283.0, 5536.0, 5271.0, 5594.0, 5351.0, 5312.0, 5474.0, 5624.0, 5316.0, 5378.0, 5613.0, 5509.0, 5595.0, 5583.0, 5513.0, 5515.0, 5285.0, 5704.0, 5703.0, 5359.0, 5398.0, 5417.0, 5719.0, 5606.0, 5388.0, 5618.0, 5522.0, 5342.0,

						5449.0, 5450.0, 5607.0, 5293.0, 5361.0, 5702.0, 5708.0, 5711.0, 5496.0, 5659.0, 5656.0, 5539.0, 5349.0, 5560.0, 5621.0, 5296.0, 5577.0, 5434.0, 5651.0, 5672.0, 5334.0, 5701.0, 5663.0, 5330.0, 5697.0, 5715.0, 5652.0, 5500.0, 5512.0, 5642.0
4	5310	9	1	333	1	5371.0, 5309.0, 5437.0, 5574.0, 5636.0, 5490.0, 5416.0, 5281.0, 5389.0, 5609.0, 5603.0, 5257.0, 5346.0, 5528.0, 5442.0, 5493.0, 5706.0, 5499.0, 5311.0, 5612.0, 5325.0, 5306.0, 5392.0, 5622.0, 5453.0, 5289.0, 5717.0, 5323.0, 5332.0, 5440.0, 5683.0, 5648.0, 5506.0, 5626.0, 5421.0, 5580.0, 5556.0, 5589.0, 5602.0, 5669.0, 5397.0, 5547.0, 5516.0, 5651.0, 5699.0, 5402.0, 5412.0, 5275.0, 5345.0, 5710.0, 5279.0, 5613.0, 5627.0, 5532.0, 5674.0, 5634.0, 5436.0, 5614.0, 5623.0, 5520.0, 5595.0, 5393.0, 5465.0, 5394.0, 5375.0, 5380.0, 5333.0, 5685.0, 5450.0, 5647.0, 5697.0, 5417.0, 5592.0, 5270.0, 5689.0, 5496.0, 5378.0, 5359.0, 5527.0, 5591.0, 5670.0, 5582.0, 5448.0, 5598.0, 5649.0, 5276.0, 5498.0, 5631.0, 5637.0, 5331.0, 5329.0, 5283.0, 5471.0, 5455.0, 5365.0, 5262.0, 5682.0, 5502.0, 5415.0, 5342.0
5	5310	9	1	333	1	5298.0, 5576.0, 5469.0, 5543.0, 5506.0, 5587.0, 5674.0, 5663.0, 5466.0, 5445.0, 5391.0, 5507.0, 5558.0, 5289.0, 5448.0, 5520.0, 5436.0, 5467.0, 5411.0, 5349.0, 5703.0, 5589.0, 5490.0, 5308.0, 5323.0, 5275.0, 5339.0, 5272.0, 5470.0, 5659.0, 5678.0, 5464.0, 5609.0, 5712.0, 5324.0, 5640.0, 5387.0, 5654.0, 5479.0, 5551.0, 5698.0, 5258.0, 5395.0, 5604.0, 5343.0, 5451.0, 5379.0, 5266.0, 5540.0, 5492.0, 5633.0, 5661.0, 5530.0, 5715.0, 5305.0, 5621.0, 5269.0, 5489.0, 5572.0, 5569.0, 5525.0, 5330.0, 5582.0, 5260.0, 5708.0, 5382.0, 5263.0, 5392.0, 5286.0, 5684.0, 5434.0, 5665.0, 5413.0, 5253.0, 5327.0, 5687.0, 5498.0, 5596.0, 5526.0, 5711.0, 5252.0, 5452.0, 5669.0, 5686.0, 5345.0, 5718.0, 5567.0, 5438.0, 5428.0, 5446.0, 5397.0, 5675.0, 5510.0, 5368.0, 5457.0, 5367.0, 5378.0, 5459.0, 5539.0, 5595.0
6	5310	9	1	333	1	5285.0, 5417.0, 5284.0, 5669.0, 5694.0, 5420.0, 5574.0, 5484.0, 5575.0, 5653.0, 5429.0, 5605.0, 5400.0, 5291.0, 5265.0, 5511.0, 5301.0, 5595.0, 5381.0, 5300.0, 5452.0, 5585.0, 5344.0, 5299.0, 5346.0, 5426.0, 5415.0, 5296.0, 5650.0, 5663.0, 5552.0, 5481.0, 5345.0, 5352.0, 5593.0, 5540.0, 5576.0, 5430.0, 5414.0, 5550.0, 5444.0, 5339.0, 5497.0, 5350.0, 5269.0, 5638.0, 5504.0, 5598.0, 5606.0, 5590.0, 5517.0, 5393.0, 5256.0, 5404.0, 5685.0, 5377.0, 5682.0, 5641.0, 5348.0, 5500.0, 5406.0, 5614.0, 5623.0, 5502.0, 5544.0,

						5326.0, 5542.0, 5456.0, 5353.0, 5281.0, 5526.0, 5334.0, 5347.0, 5541.0, 5277.0, 5553.0, 5498.0, 5661.0, 5402.0, 5466.0, 5431.0, 5515.0, 5290.0, 5683.0, 5401.0, 5391.0, 5718.0, 5459.0, 5274.0, 5403.0, 5386.0, 5619.0, 5449.0, 5621.0, 5464.0, 5478.0, 5321.0, 5423.0, 5580.0, 5524.0
7	5310	9	1	333	1	5403.0, 5674.0, 5417.0, 5367.0, 5341.0, 5328.0, 5306.0, 5336.0, 5658.0, 5710.0, 5601.0, 5573.0, 5550.0, 5513.0, 5699.0, 5491.0, 5438.0, 5681.0, 5623.0, 5633.0, 5345.0, 5298.0, 5301.0, 5690.0, 5539.0, 5530.0, 5451.0, 5589.0, 5651.0, 5655.0, 5262.0, 5356.0, 5432.0, 5291.0, 5720.0, 5340.0, 5450.0, 5495.0, 5657.0, 5525.0, 5479.0, 5256.0, 5462.0, 5267.0, 5408.0, 5686.0, 5284.0, 5333.0, 5518.0, 5270.0, 5360.0, 5303.0, 5420.0, 5469.0, 5259.0, 5665.0, 5724.0, 5468.0, 5320.0, 5677.0, 5527.0, 5319.0, 5512.0, 5556.0, 5253.0, 5718.0, 5711.0, 5666.0, 5455.0, 5387.0, 5428.0, 5653.0, 5685.0, 5313.0, 5691.0, 5342.0, 5570.0, 5465.0, 5622.0, 5694.0, 5396.0, 5585.0, 5344.0, 5575.0, 5376.0, 5643.0, 5299.0, 5350.0, 5277.0, 5721.0, 5492.0, 5625.0, 5257.0, 5440.0, 5606.0, 5488.0, 5531.0, 5359.0, 5454.0, 5363.0
8	5310	9	1	333	1	5600.0, 5299.0, 5326.0, 5704.0, 5283.0, 5492.0, 5707.0, 5413.0, 5510.0, 5684.0, 5435.0, 5432.0, 5523.0, 5586.0, 5666.0, 5253.0, 5676.0, 5467.0, 5336.0, 5292.0, 5717.0, 5450.0, 5439.0, 5548.0, 5318.0, 5470.0, 5288.0, 5266.0, 5471.0, 5633.0, 5649.0, 5384.0, 5256.0, 5277.0, 5403.0, 5519.0, 5294.0, 5540.0, 5361.0, 5554.0, 5349.0, 5456.0, 5643.0, 5504.0, 5556.0, 5291.0, 5595.0, 5271.0, 5262.0, 5414.0, 5657.0, 5573.0, 5281.0, 5457.0, 5671.0, 5616.0, 5360.0, 5592.0, 5312.0, 5426.0, 5690.0, 5692.0, 5278.0, 5475.0, 5279.0, 5711.0, 5319.0, 5446.0, 5579.0, 5562.0, 5637.0, 5572.0, 5315.0, 5348.0, 5462.0, 5723.0, 5406.0, 5293.0, 5332.0, 5346.0, 5658.0, 5453.0, 5380.0, 5503.0, 5350.0, 5706.0, 5719.0, 5298.0, 5424.0, 5273.0, 5601.0, 5632.0, 5597.0, 5341.0, 5605.0, 5484.0, 5583.0, 5703.0, 5686.0, 5368.0
9	5310	9	1	333	1	5372.0, 5431.0, 5318.0, 5723.0, 5405.0, 5520.0, 5276.0, 5310.0, 5475.0, 5330.0, 5627.0, 5399.0, 5589.0, 5458.0, 5329.0, 5524.0, 5420.0, 5416.0, 5635.0, 5653.0, 5680.0, 5684.0, 5718.0, 5611.0, 5661.0, 5282.0, 5638.0, 5660.0, 5703.0, 5559.0, 5535.0, 5343.0, 5565.0, 5513.0, 5477.0, 5385.0, 5350.0, 5479.0, 5467.0, 5667.0, 5678.0, 5371.0, 5621.0, 5324.0, 5287.0, 5365.0, 5631.0, 5529.0, 5286.0, 5292.0, 5442.0, 5395.0, 5691.0, 5344.0, 5639.0, 5517.0, 5662.0, 5518.0, 5550.0, 5583.0,

						5252.0, 5568.0, 5602.0, 5534.0, 5303.0, 5275.0, 5314.0, 5472.0, 5306.0, 5552.0, 5508.0, 5506.0, 5419.0, 5625.0, 5594.0, 5299.0, 5434.0, 5357.0, 5466.0, 5663.0, 5319.0, 5699.0, 5402.0, 5430.0, 5269.0, 5560.0, 5432.0, 5648.0, 5665.0, 5511.0, 5452.0, 5645.0, 5675.0, 5580.0, 5626.0, 5608.0, 5326.0, 5630.0, 5449.0, 5440.0
10	5310	9	1	333	1	5567.0, 5597.0, 5312.0, 5449.0, 5584.0, 5327.0, 5641.0, 5264.0, 5409.0, 5516.0, 5489.0, 5511.0, 5624.0, 5560.0, 5603.0, 5417.0, 5523.0, 5344.0, 5328.0, 5434.0, 5421.0, 5295.0, 5347.0, 5274.0, 5625.0, 5469.0, 5331.0, 5343.0, 5702.0, 5678.0, 5693.0, 5611.0, 5418.0, 5460.0, 5477.0, 5445.0, 5654.0, 5596.0, 5341.0, 5509.0, 5282.0, 5666.0, 5595.0, 5361.0, 5622.0, 5645.0, 5453.0, 5653.0, 5685.0, 5613.0, 5591.0, 5291.0, 5382.0, 5659.0, 5300.0, 5288.0, 5378.0, 5617.0, 5431.0, 5621.0, 5470.0, 5251.0, 5324.0, 5410.0, 5488.0, 5262.0, 5301.0, 5403.0, 5430.0, 5602.0, 5310.0, 5712.0, 5628.0, 5683.0, 5640.0, 5552.0, 5439.0, 5612.0, 5623.0, 5479.0, 5558.0, 5385.0, 5549.0, 5364.0, 5505.0, 5398.0, 5496.0, 5525.0, 5687.0, 5391.0, 5380.0, 5528.0, 5292.0, 5651.0, 5356.0, 5718.0, 5618.0, 5695.0, 5722.0, 5660.0
11	5310	9	1	333	1	5355.0, 5304.0, 5551.0, 5333.0, 5464.0, 5317.0, 5512.0, 5571.0, 5347.0, 5397.0, 5435.0, 5278.0, 5529.0, 5361.0, 5277.0, 5307.0, 5722.0, 5605.0, 5527.0, 5489.0, 5590.0, 5259.0, 5301.0, 5542.0, 5696.0, 5567.0, 5394.0, 5310.0, 5641.0, 5340.0, 5573.0, 5487.0, 5706.0, 5391.0, 5591.0, 5471.0, 5659.0, 5586.0, 5417.0, 5634.0, 5673.0, 5569.0, 5357.0, 5600.0, 5424.0, 5692.0, 5268.0, 5642.0, 5352.0, 5257.0, 5330.0, 5453.0, 5433.0, 5579.0, 5533.0, 5540.0, 5431.0, 5288.0, 5518.0, 5294.0, 5602.0, 5638.0, 5271.0, 5628.0, 5326.0, 5418.0, 5401.0, 5593.0, 5578.0, 5682.0, 5298.0, 5329.0, 5582.0, 5664.0, 5375.0, 5460.0, 5515.0, 5488.0, 5560.0, 5351.0, 5631.0, 5507.0, 5295.0, 5315.0, 5595.0, 5711.0, 5700.0, 5575.0, 5559.0, 5419.0, 5373.0, 5413.0, 5510.0, 5378.0, 5426.0, 5549.0, 5328.0, 5649.0, 5300.0, 5657.0
12	5310	9	1	333	1	5501.0, 5339.0, 5499.0, 5419.0, 5607.0, 5586.0, 5462.0, 5579.0, 5481.0, 5300.0, 5636.0, 5528.0, 5508.0, 5623.0, 5693.0, 5590.0, 5299.0, 5316.0, 5414.0, 5514.0, 5575.0, 5373.0, 5529.0, 5719.0, 5264.0, 5546.0, 5688.0, 5266.0, 5310.0, 5522.0, 5368.0, 5286.0, 5621.0, 5565.0, 5296.0, 5667.0, 5628.0, 5460.0, 5439.0, 5592.0, 5371.0, 5320.0, 5413.0, 5395.0, 5664.0, 5417.0, 5325.0, 5640.0, 5329.0, 5289.0, 5456.0, 5267.0, 5330.0, 5601.0, 5562.0,

						5437.0, 5663.0, 5399.0, 5390.0, 5275.0, 5518.0, 5306.0, 5717.0, 5464.0, 5598.0, 5411.0, 5479.0, 5364.0, 5472.0, 5441.0, 5698.0, 5387.0, 5381.0, 5404.0, 5469.0, 5538.0, 5707.0, 5392.0, 5588.0, 5398.0, 5260.0, 5648.0, 5665.0, 5671.0, 5388.0, 5495.0, 5263.0, 5384.0, 5438.0, 5416.0, 5483.0, 5389.0, 5589.0, 5315.0, 5421.0, 5699.0, 5473.0, 5378.0, 5650.0, 5689.0
13	5310	9	1	333	1	5632.0, 5689.0, 5579.0, 5565.0, 5642.0, 5335.0, 5332.0, 5352.0, 5404.0, 5586.0, 5533.0, 5282.0, 5631.0, 5714.0, 5516.0, 5289.0, 5461.0, 5324.0, 5348.0, 5481.0, 5476.0, 5501.0, 5436.0, 5526.0, 5719.0, 5524.0, 5499.0, 5573.0, 5605.0, 5428.0, 5507.0, 5406.0, 5495.0, 5448.0, 5422.0, 5313.0, 5493.0, 5607.0, 5442.0, 5649.0, 5669.0, 5536.0, 5492.0, 5435.0, 5530.0, 5434.0, 5357.0, 5620.0, 5630.0, 5466.0, 5339.0, 5628.0, 5665.0, 5575.0, 5555.0, 5676.0, 5534.0, 5299.0, 5360.0, 5578.0, 5397.0, 5682.0, 5515.0, 5345.0, 5503.0, 5331.0, 5417.0, 5377.0, 5432.0, 5416.0, 5425.0, 5606.0, 5302.0, 5684.0, 5512.0, 5690.0, 5317.0, 5544.0, 5443.0, 5277.0, 5724.0, 5375.0, 5400.0, 5497.0, 5382.0, 5255.0, 5363.0, 5691.0, 5319.0, 5598.0, 5609.0, 5316.0, 5456.0, 5390.0, 5261.0, 5264.0, 5553.0, 5451.0, 5252.0, 5593.0
14	5310	9	1	333	1	5495.0, 5689.0, 5284.0, 5337.0, 5439.0, 5627.0, 5640.0, 5597.0, 5634.0, 5688.0, 5461.0, 5252.0, 5512.0, 5608.0, 5664.0, 5617.0, 5424.0, 5450.0, 5481.0, 5651.0, 5522.0, 5394.0, 5496.0, 5429.0, 5305.0, 5409.0, 5670.0, 5343.0, 5467.0, 5609.0, 5271.0, 5641.0, 5586.0, 5328.0, 5563.0, 5292.0, 5387.0, 5604.0, 5657.0, 5626.0, 5628.0, 5506.0, 5575.0, 5432.0, 5712.0, 5680.0, 5567.0, 5710.0, 5420.0, 5705.0, 5330.0, 5525.0, 5477.0, 5489.0, 5306.0, 5639.0, 5454.0, 5299.0, 5320.0, 5286.0, 5600.0, 5428.0, 5569.0, 5488.0, 5380.0, 5262.0, 5417.0, 5251.0, 5253.0, 5296.0, 5273.0, 5690.0, 5545.0, 5446.0, 5550.0, 5653.0, 5314.0, 5423.0, 5607.0, 5547.0, 5535.0, 5298.0, 5529.0, 5539.0, 5679.0, 5695.0, 5447.0, 5398.0, 5325.0, 5255.0, 5285.0, 5644.0, 5445.0, 5484.0, 5407.0, 5707.0, 5708.0, 5385.0, 5490.0, 5334.0
15	5310	9	1	333	1	5321.0, 5345.0, 5369.0, 5651.0, 5602.0, 5365.0, 5271.0, 5487.0, 5255.0, 5389.0, 5584.0, 5307.0, 5357.0, 5346.0, 5551.0, 5383.0, 5687.0, 5632.0, 5375.0, 5294.0, 5501.0, 5701.0, 5312.0, 5451.0, 5457.0, 5569.0, 5361.0, 5438.0, 5376.0, 5359.0, 5452.0, 5252.0, 5308.0, 5583.0, 5340.0, 5384.0, 5707.0, 5580.0, 5560.0, 5291.0, 5550.0, 5288.0, 5534.0, 5514.0, 5431.0, 5614.0, 5619.0, 5536.0, 5479.0, 5267.0,

						5563.0, 5670.0, 5471.0, 5363.0, 5480.0, 5600.0, 5419.0, 5283.0, 5261.0, 5665.0, 5415.0, 5699.0, 5498.0, 5686.0, 5696.0, 5316.0, 5527.0, 5477.0, 5390.0, 5302.0, 5455.0, 5683.0, 5677.0, 5488.0, 5660.0, 5449.0, 5627.0, 5401.0, 5366.0, 5437.0, 5593.0, 5270.0, 5339.0, 5663.0, 5454.0, 5368.0, 5428.0, 5470.0, 5372.0, 5505.0, 5388.0, 5377.0, 5392.0, 5253.0, 5586.0, 5280.0, 5654.0, 5714.0, 5578.0, 5546.0
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27	5310	9	1	333	1	5715.0, 5476.0, 5478.0, 5457.0, 5352.0, 5625.0, 5501.0, 5557.0, 5569.0, 5454.0, 5623.0, 5682.0, 5500.0, 5287.0, 5619.0, 5416.0, 5276.0, 5481.0, 5544.0, 5450.0, 5451.0, 5335.0, 5375.0, 5549.0, 5487.0, 5601.0, 5477.0, 5436.0, 5692.0, 5255.0,

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29	5310	9	1	333	1	5546.0, 5406.0, 5535.0, 5375.0, 5296.0, 5258.0, 5298.0, 5385.0, 5352.0, 5585.0, 5670.0, 5427.0, 5479.0, 5709.0, 5278.0, 5355.0, 5419.0, 5688.0, 5533.0, 5358.0, 5521.0, 5660.0, 5591.0, 5715.0, 5633.0, 5366.0, 5701.0, 5568.0, 5684.0, 5648.0, 5451.0, 5572.0, 5277.0, 5261.0, 5503.0, 5415.0, 5610.0, 5566.0, 5596.0, 5617.0, 5344.0, 5506.0, 5293.0, 5673.0, 5616.0, 5587.0, 5589.0, 5634.0, 5467.0, 5595.0, 5722.0, 5472.0, 5474.0, 5300.0, 5478.0, 5477.0, 5274.0, 5322.0, 5555.0, 5703.0, 5604.0, 5394.0, 5347.0, 5462.0, 5674.0, 5251.0, 5266.0, 5512.0, 5675.0, 5275.0, 5493.0, 5557.0, 5297.0, 5486.0, 5507.0, 5368.0, 5612.0, 5586.0, 5286.0, 5389.0, 5525.0, 5428.0, 5321.0, 5505.0, 5690.0, 5564.0, 5620.0, 5343.0, 5475.0, 5268.0, 5552.0, 5497.0, 5455.0, 5316.0, 5307.0, 5708.0, 5417.0, 5447.0, 5328.0, 5627.0
30	5310	9	1	333	1	5423.0, 5477.0, 5379.0, 5517.0, 5575.0, 5719.0, 5501.0, 5533.0, 5272.0, 5502.0, 5525.0, 5683.0, 5448.0, 5474.0, 5556.0, 5391.0, 5534.0, 5452.0, 5263.0, 5328.0, 5323.0, 5514.0, 5305.0, 5513.0, 5495.0,

						5701.0, 5267.0, 5269.0, 5524.0, 5417.0, 5279.0, 5515.0, 5420.0, 5492.0, 5307.0, 5504.0, 5311.0, 5483.0, 5572.0, 5506.0, 5561.0, 5407.0, 5681.0, 5325.0, 5634.0, 5607.0, 5315.0, 5598.0, 5591.0, 5712.0, 5609.0, 5327.0, 5461.0, 5399.0, 5373.0, 5617.0, 5637.0, 5457.0, 5458.0, 5626.0, 5255.0, 5473.0, 5321.0, 5336.0, 5692.0, 5292.0, 5553.0, 5562.0, 5330.0, 5295.0, 5559.0, 5593.0, 5629.0, 5720.0, 5518.0, 5589.0, 5635.0, 5294.0, 5639.0, 5661.0, 5365.0, 5716.0, 5460.0, 5529.0, 5251.0, 5285.0, 5340.0, 5366.0, 5421.0, 5711.0, 5384.0, 5348.0, 5530.0, 5383.0, 5565.0, 5361.0, 5320.0, 5309.0, 5706.0, 5714.0
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20MHz

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	90%	60%	Pass
Type 3	30	93.3%	60%	Pass
Type 4	30	93.3 %	60%	Pass
Aggregate(Type1 to 4)	120	95%	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	18	1	3066	1
2	5320	59	1	898	1
3	5320	95	1	558	1
4	5320	67	1	798	1
5	5320	72	1	738	1
6	5320	83	1	638	1
7	5320	92	1	578	1
8	5320	102	1	518	1
9	5320	63	1	838	1
10	5320	78	1	678	1
11	5320	81	1	658	1
12	5320	62	1	858	1
13	5320	61	1	878	1
14	5320	65	1	818	1
15	5320	57	1	938	1
Detection Percentage:100 % (>60%)					

Radar Type 1B Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5320	46	1	1153	1
2	5320	53	1	998	1
3	5320	26	1	2075	1
4	5320	32	1	1673	1
5	5320	34	1	1553	1
6	5320	20	1	2733	1
7	5320	36	1	1484	1
8	5320	50	1	1072	1
9	5320	30	1	1798	1
10	5320	20	1	2718	1
11	5320	23	1	2296	1
12	5320	27	1	2020	1
13	5320	35	1	1534	1
14	5320	18	1	3051	0
15	5320	38	1	1407	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	5320	24	2.2	186	1
2	5320	23	1.5	157	1
3	5320	23	4.6	208	0
4	5320	29	2.5	162	1
5	5320	24	1.8	203	1
6	5320	27	2.5	169	1
7	5320	23	3	178	1
8	5320	27	1.9	192	1
9	5320	27	2.6	186	1
10	5320	26	2.8	189	1
11	5320	28	1.6	194	1
12	5320	29	3.8	161	1
13	5320	26	1.9	183	1
14	5320	24	2.3	155	1
15	5320	29	4	218	1
16	5320	27	2.2	200	1
17	5320	23	2.1	225	1
18	5320	24	4.4	228	1
19	5320	24	4.6	211	0
20	5320	27	4.1	219	1
21	5320	23	4.9	155	0
22	5320	25	1.7	179	1
23	5320	23	2.1	197	1
24	5320	25	5	207	1
25	5320	26	1.2	150	1
26	5320	24	1.9	158	1
27	5320	25	3.6	160	1
28	5320	27	2.2	169	1
29	5320	24	1	181	1
30	5320	23	2.6	153	1
Detection Percentage: 90 % (>60%)					

Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5320	17	8.4	495	1
2	5320	18	8.9	403	1
3	5320	18	7.4	499	1
4	5320	18	8.1	489	1
5	5320	17	6.3	256	1
6	5320	18	7.9	289	1
7	5320	17	7.5	307	1
8	5320	16	6.8	328	1
9	5320	17	9.5	476	1
10	5320	17	6.9	221	0
11	5320	16	6.2	328	1
12	5320	17	6.1	447	1
13	5320	18	8.3	291	1
14	5320	16	9.6	477	1
15	5320	17	6.6	231	1
16	5320	18	6.7	356	1
17	5320	16	8.5	213	1
18	5320	16	9.2	456	1
19	5320	16	6.1	362	1
20	5320	16	7.3	447	1
21	5320	18	7.1	355	1
22	5320	17	8.1	220	1
23	5320	17	8.5	474	1
24	5320	16	9.5	436	1
25	5320	16	6.5	470	1
26	5320	16	9.9	324	1
27	5320	16	7.5	321	1
28	5320	17	6.5	371	0
29	5320	17	9.8	445	1
30	5320	16	7.2	302	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	5320	12	19	217	1
2	5320	14	18.4	460	0
3	5320	16	11.3	378	1
4	5320	12	18.8	212	1
5	5320	12	11.5	386	1
6	5320	12	13.3	403	1
7	5320	14	12.2	288	1
8	5320	16	19.8	459	1
9	5320	16	15.6	297	1
10	5320	16	11.8	357	1
11	5320	15	17.8	452	0
12	5320	15	17.7	306	1
13	5320	16	13.3	446	1
14	5320	12	17	241	1
15	5320	15	15.1	314	1
16	5320	13	17.2	453	1
17	5320	15	19.4	383	1
18	5320	12	18.4	269	1
19	5320	12	11.5	313	1
20	5320	14	14.3	280	1
21	5320	15	13.5	363	1
22	5320	16	11.4	399	1
23	5320	16	18.7	369	1
24	5320	16	14.6	214	1
25	5320	15	17	387	1
26	5320	15	12.5	457	1
27	5320	15	14.7	329	1
28	5320	16	13.3	203	1
29	5320	13	16.5	207	1
30	5320	12	16.3	422	1
Detection Percentage: 93.3 % (>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	2	11	80.2	1372		0.145432	1
1	3	11	55.8	1181	1139	0.854771	
2	3	11	99.9	1387	1664	1.698323	
3	3	11	79.1	1380	1427	2.547565	
4	1	11	88.9			3.435325	
5	2	11	59.8	1595		4.19787	
6	3	11	80.8	1670	1263	4.73245	
7	3	11	95.1	1791	1717	5.524303	
8	2	11	57.3	1843		6.346404	
9	1	11	72.4			7.404377	
10	2	11	96	1145		7.709774	
11	2	11	50.2	1315		8.853308	
12	2	11	63.8	1870		9.69189	
13	3	11	69.4	1373	1684	9.868428	
14	2	11	68.4	1306		10.557189	
15	1	11	57.6			11.279051	

Statistics 2 (ChirpCenter Frequency: 5320.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	12	91.3	1930		0.980381	1
1	2	12	54.6	1268		1.950102	
2	3	12	59.2	1433	1811	2.439608	
3	2	12	95	1064		3.025259	
4	2	12	97.6	1490		4.144126	
5	3	12	86.5	1955	1733	5.953015	
6	3	12	64.8	1631	1630	6.623712	
7	2	12	60.8	1152		7.909439	
8	2	12	87.4	1194		8.286266	
9	3	12	84.5	1468	1565	9.398134	
10	2	12	58.3	1859		10.377917	
11	2	12	96.4	1183		11.586331	

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	11	97.4	1869		0.219222	1
1	2	11	51	1585		0.999608	
2	2	11	74.7	1635		2.704618	
3	2	11	52.2	1648		3.424752	
4	2	11	56.2	1721		4.099843	
5	3	11	98	1786	1608	4.82542	
6	3	11	70.9	1576	1130	5.769067	
7	3	11	97.3	1644	1355	7.055489	
8	3	11	92.9	1090	1871	8.155818	
9	3	11	95.4	1850	1433	8.791699	
10	2	11	59.1	1861		9.643572	
11	2	11	54.1	1677		10.844776	
12	2	11	51.7	1397		11.48952	

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	1	12	66.3			0.433117	1
1	3	12	87.4	1520	1617	1.62464	
2	3	12	81.9	1788	1155	2.143988	
3	1	12	69.9			3.344727	
4	3	12	94.8	1891	1402	3.704042	
5	2	12	76.7	1515		4.404676	
6	3	12	72.7	1100	1665	5.846588	
7	2	12	71.3	1622		6.174612	
8	2	12	84.9	1293		7.520459	
9	3	12	55.9	1235	1778	8.452113	
10	2	12	62.8	1693		9.238637	
11	2	12	74.9	1647		10.075583	
12	3	12	66.2	1761	1549	11.024266	
13	3	12	58.6	1138	1490	11.762706	

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	11	84.2	1664	1016	0.039603	1
1	2	11	65.2	1794		1.840862	
2	2	11	60.5	1841		2.641368	
3	2	11	94.2	1555		4.137475	
4	1	11	84.8			5.40017	
5	1	11	52.1			6.241646	
6	2	11	71.9	1689		6.573547	
7	2	11	92.1	1897		8.69373	
8	3	11	93.2	1319	1436	8.990186	
9	2	11	55.8	1449		10.544985	
10	3	11	83.2	1061	1588	11.095806	

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	10	62.3	1902		0.623827	1
1	2	10	72.2	1177		1.339345	
2	2	10	64.4	1479		1.888962	
3	2	10	93.4	1523		2.519767	
4	3	10	71.6	1303	1524	3.038422	
5	2	10	91.7	1380		3.767529	
6	3	10	95.6	1240	1436	4.639403	
7	2	10	69.3	1229		5.994499	
8	1	10	62.6			6.312187	
9	1	10	96.1			7.305396	
10	3	10	82.2	1522	1898	8.193667	
11	3	10	78.6	1519	1196	8.462352	
12	2	10	59.3	1855		9.075885	
13	2	10	64	1610		10.435038	
14	3	10	77.5	1091	1369	10.693296	
15	2	10	75	1440		11.574167	

Statistics 7(ChirpCenter Frequency: 5320.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	13	87.8	1571		0.519756	1
1	2	13	65.1	1110		0.834137	
2	3	13	71.2	1902	1996	1.724193	
3	2	13	98.5	1904		2.384276	
4	2	13	52.2	1028		3.471604	
5	2	13	71.8	1410		3.993206	
6	3	13	93.7	1549	1487	4.997511	
7	1	13	71.1			5.823594	
8	2	13	72.2	1617		6.62328	
9	1	13	55.9			7.355789	
10	3	13	51.2	1210	1788	7.513325	
11	2	13	52.8	1091		8.674014	
12	1	13	69.8			9.571444	
13	3	13	71.4	1781	1573	9.775375	
14	1	13	58.7			10.650846	
15	2	13	95.6	1507		11.438971	

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	10	65	1463		0.267555	1
1	2	10	65.9	1995		1.386895	
2	2	10	61.8	1373		1.610831	
3	3	10	55	1922	1642	2.279737	
4	3	10	83.5	1300	1544	3.066632	
5	2	10	50.2	1641		3.986925	
6	3	10	81.5	1706	1299	4.784317	
7	2	10	94.6	1259		5.542725	
8	3	10	83.4	1957	1368	5.767011	
9	2	10	99.6	1052		6.704129	
10	3	10	90.3	1239	1678	7.566771	
11	1	10	73.8			8.332341	
12	2	10	69	1120		8.973081	
13	2	10	53.8	1007		9.604668	
14	1	10	94.4			10.004514	
15	2	10	64.4	1548		10.788315	
16	2	10	65.1	1658		11.510318	

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	9	57.3	1076		0.981463	1
1	3	9	81.8	1539	1223	2.149106	
2	2	9	80.2	1781		2.519168	
3	3	9	65.6	1636	1969	4.191066	
4	1	9	51.7			5.063907	
5	2	9	99.7	1028		6.215906	
6	2	9	97.6	1205		7.180677	
7	2	9	75.1	1778		7.856729	
8	3	9	83	1685	1363	9.412413	
9	2	9	96.1	1322		10.44623	
10	2	9	93.2	1627		11.18621	

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	3	12	80.4	1757	1503	0.476808	1
1	1	12	72.8			1.015392	
2	2	12	61.7	1666		1.604277	
3	1	12	87.2			1.999126	
4	1	12	50.1			2.636967	
5	2	12	73	1954		3.502499	
6	3	12	66.4	1851	1448	3.854166	
7	2	12	72.8	1174		4.751144	
8	1	12	85.5			5.185512	
9	2	12	90.2	1081		5.701133	
10	2	12	73.8	1895		6.526706	
11	3	12	86.4	1563	1798	6.65263	
12	3	12	52.1	1516	1203	7.209993	
13	2	12	64	1061		7.977125	
14	2	12	86.6	1914		8.884839	
15	2	12	92.5	1446		9.193341	
16	3	12	65.9	1218	1591	9.616621	
17	3	12	78.4	1549	1405	10.637901	
18	2	12	89.2	1309		11.369046	
19	2	12	75.2	1621		11.680493	

Radar Type 5 Case 2 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	15	82.1	1432		0.584061	1
1	2	15	82.1	1631		0.639642	
2	3	15	69.4	1362	1227	1.779251	
3	3	15	98.1	1469	1553	2.355896	
4	2	15	79.7	1560		2.975399	
5	1	15	93.8			3.264074	
6	2	15	96.5	1969		4.299339	
7	2	15	65.6	1950		4.83368	
8	1	15	98.2			5.476968	
9	3	15	80.3	1602	1833	5.802614	
10	2	15	59.9	1742		6.472505	
11	3	15	66.6	1713	1156	7.023338	
12	1	15	64.9			7.995193	
13	1	15	90.8			8.388526	
14	2	15	79.6	1286		8.891941	
15	3	15	62.7	1754	1430	9.58607	
16	1	15	60.2			10.650851	
17	2	15	89.9	1992		10.841958	
18	1	15	66.8			11.701956	

Statistics 2 (ChirpCenter Frequency: 5318.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	19	67.6			0.330433	1
1	1	19	83.1			0.740571	
2	2	19	98.7	1067		1.835938	
3	1	19	69.5			2.217022	
4	1	19	60.7			2.881783	
5	3	19	97	1252	1411	3.721422	
6	1	19	92.2			4.158861	
7	2	19	70.5	1290		5.26311	
8	3	19	54.2	1441	1672	5.883036	
9	2	19	97.8	1625		6.007239	
10	3	19	76.6	1844	1486	6.911798	
11	2	19	59.6	1799		7.595611	
12	3	19	65.5	1418	1488	8.214488	
13	1	19	61			8.818591	
14	1	19	91.1			9.343829	
15	3	19	84.9	1797	1097	10.33209	
16	3	19	53.4	1419	1609	10.827517	
17	2	19	85.4	1919		11.333647	

Statistics 3 (ChirpCenter Frequency: 5318.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	19	72.4			1.060599	1
1	2	19	61.7	1317		1.223447	
2	1	19	98.1			3.054706	
3	3	19	76.1	1761	1776	3.673543	
4	2	19	96.2	1194		4.664638	
5	1	19	77.3			5.662034	
6	3	19	79.6	1589	1949	7.428966	
7	1	19	55			7.802355	
8	2	19	51.3	1288		9.162532	
9	3	19	78.7	1803	1645	10.096886	
10	2	19	82.8	1791		11.966767	

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	7	99.4			0.665585	1
1	2	7	52	1472		1.842236	
2	2	7	96.8	1513		3.152129	
3	2	7	94	1969		4.800255	
4	2	7	56.7	1096		7.264657	
5	2	7	81.7	1745		8.699036	
6	2	7	53.4	1931		9.544464	
7	2	7	94.2	1248		11.122779	

Statistics 5 (ChirpCenter Frequency: 5318.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	20	91			0.582137	1
1	3	20	84.8	1149	1305	0.991638	
2	1	20	81.6			1.391664	
3	2	20	63.6	1243		2.20933	
4	1	20	85			2.778199	
5	2	20	59.6	1816		3.855668	
6	1	20	93.4			4.613168	
7	3	20	52.5	1635	1704	5.120853	
8	3	20	90.1	1302	1404	5.835073	
9	3	20	90.3	1113	1579	6.105205	
10	1	20	96			6.709165	
11	1	20	91.3			7.771241	
12	2	20	99.8	1605		8.604872	
13	1	20	81.1			8.97351	
14	2	20	85.9	1914		9.85759	
15	1	20	90.6			10.366001	
16	2	20	95.7	1169		10.948133	
17	1	20	96.8			11.643686	

Statistics 6 (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	16	70.3			1.053746	1
1	2	16	91.5	1743		1.313364	
2	2	16	79.1	1264		2.871113	
3	2	16	53.8	1457		4.163113	
4	1	16	89.1			4.860102	
5	3	16	99	1632	1418	6.284442	
6	2	16	92.1	1915		8.101813	
7	1	16	69.8			8.948117	
8	3	16	65.4	1473	1565	10.6827	
9	2	16	83	1512		11.525265	

Statistics 7 (ChirpCenter Frequency: 5312.0MHz)

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	5	68.9	1651	1682	0.991042	1
1	3	5	81.1	1240	1679	1.400159	
2	2	5	82.9	1721		2.854816	
3	3	5	61.4	1878	1670	3.637199	
4	2	5	63.6	1399		4.488991	
5	2	5	57.9	1784		5.976903	
6	2	5	71.5	1877		6.846299	
7	2	5	65.8	1817		7.402237	
8	2	5	63.2	1252		8.406008	
9	1	5	89.8			9.041298	
10	3	5	86.1	1668	1596	10.056239	
11	3	5	89.1	1803	1558	11.310408	

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	2	18	56.9	1595		0.522404	1
1	2	18	68.2	1959		1.537597	
2	2	18	65.6	1277		2.391931	
3	3	18	55	1422	1374	3.727977	
4	3	18	59.9	1245	1252	4.948202	
5	2	18	74.8	1331		5.880892	
6	2	18	54.3	1217		6.698021	
7	3	18	50.9	1554	1088	8.662243	
8	2	18	70.3	1952		9.615007	
9	1	18	96.5			10.52369	
10	1	18	80.3			11.88004	

Statistics 9 (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	1	17	81.6			0.681751	1
1	3	17	52.2	1959	1160	0.856698	
2	1	17	60.8			2.208542	
3	2	17	66.3	1499		2.909597	
4	2	17	72.5	1714		3.149564	
5	1	17	74			3.795211	
6	1	17	69.6			5.138974	
7	2	17	67.6	1433		5.862674	
8	3	17	87.4	1141	1651	6.227938	
9	3	17	96.2	1409	1945	7.327161	
10	2	17	63.6	1450		7.67907	
11	3	17	67.4	1797	1199	8.399385	
12	2	17	56.4	1460		9.190404	
13	2	17	77.8	1420		10.182529	
14	2	17	75.4	1597		11.068473	
15	3	17	59.2	1947	1599	11.943904	

Statistics 10 (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	2	12	65.9	1997		0.252209	1
1	2	12	63.5	1032		1.133037	
2	3	12	85	1890	1144	2.121052	
3	2	12	90.4	1270		3.726358	
4	3	12	62.3	1431	1623	4.082016	
5	2	12	94.8	1597		5.782376	
6	2	12	65.1	1230		6.162205	
7	2	12	78	1369		7.259605	
8	2	12	56.8	1389		8.934904	
9	2	12	86	1233		9.531596	
10	2	12	74.6	1479		10.899944	
11	1	12	95.6			11.073573	

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	87.4	1801		0.09789	1
1	1	5	50.6			0.995164	
2	2	5	81.5	1535		1.48515	
3	1	5	51			2.094916	
4	2	5	53	1190		2.875481	
5	3	5	95	1121	1077	3.426196	
6	2	5	83.5	1034		4.392027	
7	1	5	58.9			4.869561	
8	1	5	73.2			5.302911	
9	3	5	91.6	1670	1330	5.721821	
10	1	5	69.8			6.679273	
11	1	5	59.1			6.978395	
12	2	5	85.5	1239		7.916139	
13	2	5	62.6	1676		8.753042	
14	2	5	85.5	1017		9.27997	
15	1	5	56.7			9.549623	
16	2	5	97.2	1122		10.173667	
17	2	5	52.7	1302		10.951123	
18	3	5	95.1	1900	1433	11.717828	

Statistics 2 (ChirpCenter Frequency: 5326.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	9	96.2	1319		0.529505	1
1	1	9	86.6			1.918971	
2	1	9	51.3			3.17329	
3	3	9	51.1	1991	1982	4.212172	
4	2	9	73.1	1670		5.901311	
5	1	9	61.8			7.125223	
6	2	9	75.3	1043		8.113671	
7	2	9	70.8	1008		8.63662	
8	3	9	79.7	1741	1839	10.699228	
9	2	9	66.2	1120		11.552714	

Statistics 3 (ChirpCenter Frequency: 5322.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	19	53.5	1882		0.196341	1
1	3	19	84.9	1751	1056	2.824778	
2	2	19	73.8	1994		3.149301	
3	1	19	81.1			5.66512	
4	2	19	65.9	1290		7.475527	
5	3	19	65.8	1518	1148	8.716297	
6	2	19	59.8	1343		10.451009	
7	3	19	74.7	1741	1371	10.824137	

Statistics 4 (ChirpCenter Frequency: 5323.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	17	90.1	1586	1276	0.016979	1
1	2	17	97.9	1420		1.436269	
2	2	17	98.2	1831		2.346589	
3	3	17	87.3	1773	1550	2.735858	
4	3	17	58.4	1291	1685	3.557309	
5	1	17	98.9			4.797956	
6	2	17	84.6	1430		5.704407	
7	2	17	85	1239		6.763629	
8	1	17	80.8			7.47493	
9	2	17	62	1712		7.78931	
10	2	17	59.5	1963		9.416894	
11	2	17	96.5	1413		10.223136	
12	3	17	87.7	1251	1982	10.592156	
13	1	17	82.5			11.813729	

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	12	76	1543		0.778492	1
1	2	12	54.5	1010		1.584673	
2	3	12	67.3	1401	1054	2.651854	
3	2	12	90.8	1412		3.805905	
4	2	12	52.9	1566		4.717465	
5	2	12	85.8	1933		5.744015	
6	3	12	95.1	1033	1364	7.265585	
7	2	12	58.7	1147		7.994367	
8	2	12	57.7	1341		9.082611	
9	1	12	93			10.410733	
10	3	12	86.6	1019	1694	11.640464	

Statistics 6 (ChirpCenter Frequency: 5325.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	13	87.3	1362	1266	0.460611	1
1	3	13	80.2	1539	1267	0.868666	
2	1	13	88			1.646285	
3	2	13	57.7	1869		2.807681	
4	2	13	52	1266		3.234552	
5	3	13	81.2	1166	1116	4.398477	
6	2	13	81.6	1181		4.682303	
7	2	13	65.5	1741		5.572363	
8	2	13	53.8	1775		6.56623	
9	1	13	65.9			7.171893	
10	1	13	66.9			7.84768	
11	2	13	67.4	1927		8.377475	
12	2	13	63.9	1536		9.007409	
13	3	13	74.5	1912	1950	10.360913	
14	2	13	62.2	1046		10.587416	
15	3	13	79.9	1374	1641	11.619182	

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	3	16	86.9	1561	1505	0.102649	1
1	1	16	59.3			1.686642	
2	1	16	90.5			2.957056	
3	1	16	67.5			3.821946	
4	1	16	94.7			4.609759	
5	3	16	98.7	1249	1551	6.083289	
6	2	16	53.7	1683		7.406009	
7	1	16	74.5			8.49822	
8	3	16	53.2	1447	1283	8.829505	
9	1	16	62.7			10.041569	
10	2	16	97.3	1274		11.870643	

Statistics 8 (ChirpCenter Frequency: 5322.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	19	91.4	1649	1004	0.23614	1
1	3	19	97.5	1858	1564	1.009564	
2	3	19	97.6	1893	1823	1.443045	
3	2	19	61.8	1837		2.04005	
4	1	19	95.5			2.645638	
5	2	19	70.9	1297		3.701784	
6	1	19	88.3			3.984814	
7	2	19	88.8	1609		4.915671	
8	2	19	71.3	1951		5.169723	
9	1	19	59.2			6.296977	
10	2	19	59.3	1395		6.704901	
11	3	19	91.6	1946	1285	7.034971	
12	2	19	65.6	1341		7.956608	
13	1	19	85			8.752884	
14	2	19	50.1	1629		9.169704	
15	1	19	72.8			9.822199	
16	1	19	67.8			10.399241	
17	2	19	91.9	1061		11.08287	
18	3	19	93.3	1125	1730	11.596599	

Statistics 9 (ChirpCenter Frequency: 5324.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	14	68.2	1632	1599	0.190024	1
1	1	14	60.2			0.785059	
2	2	14	97	1851		1.46649	
3	1	14	74.9			2.517608	
4	2	14	53.4	1824		3.030508	
5	2	14	74.7	1880		3.720918	
6	2	14	73.4	1416		4.059206	
7	3	14	72.2	1234	1278	4.903402	
8	2	14	90.1	1553		5.289313	
9	3	14	79.8	1444	1482	6.1702	
10	2	14	79.6	1557		6.690444	
11	2	14	68.5	1130		7.126663	
12	2	14	100	1877		7.636626	
13	2	14	86.1	1560		8.646398	
14	1	14	65			8.888719	
15	2	14	67.5	1798		9.748761	
16	3	14	80.3	1472	1847	10.236497	
17	3	14	96	1304	1630	10.976545	
18	3	14	96.2	1011	1569	11.94559	

Statistics 10 (ChirpCenter Frequency: 5325.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	13	50.6	1202		0.618995	1
1	2	13	98.1	1017		1.239093	
2	3	13	99.4	1865	1998	1.719169	
3	3	13	54.8	1026	1261	2.179899	
4	2	13	78.5	1291		3.35698	
5	1	13	72.3			3.752506	
6	2	13	66.3	1291		4.732603	
7	1	13	99.2			5.329325	
8	3	13	90.1	1179	1568	5.969994	
9	1	13	88.9			6.698833	
10	2	13	94.4	1211		7.245751	
11	1	13	61.5			8.418452	
12	2	13	61.7	1768		8.632907	
13	3	13	78.5	1088	1746	9.3442	
14	1	13	61.7			9.8838	
15	3	13	60.9	1898	1575	11.086692	
16	3	13	63.8	1843	1603	11.474676	

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	5482.0, 5500.0, 5580.0, 5362.0, 5268.0, 5274.0, 5382.0, 5269.0, 5470.0, 5259.0, 5333.0, 5531.0, 5583.0, 5615.0, 5357.0, 5364.0, 5536.0, 5551.0, 5604.0, 5304.0, 5335.0, 5379.0, 5343.0, 5579.0, 5326.0, 5427.0, 5266.0, 5533.0, 5468.0, 5426.0, 5300.0, 5473.0, 5652.0, 5447.0, 5611.0, 5572.0, 5380.0, 5324.0, 5655.0, 5721.0, 5431.0, 5716.0, 5595.0, 5318.0, 5432.0, 5627.0, 5368.0, 5319.0, 5398.0, 5351.0, 5352.0, 5636.0, 5272.0, 5397.0, 5263.0, 5558.0, 5405.0, 5313.0, 5510.0, 5544.0, 5328.0, 5706.0, 5704.0, 5305.0, 5298.0, 5257.0, 5626.0, 5587.0, 5307.0, 5690.0, 5578.0, 5571.0, 5629.0, 5428.0, 5490.0, 5472.0, 5440.0, 5264.0, 5689.0, 5441.0, 5419.0, 5267.0, 5556.0, 5692.0, 5549.0, 5413.0, 5282.0, 5641.0, 5569.0, 5628.0, 5334.0, 5492.0, 5503.0, 5474.0, 5471.0, 5385.0, 5363.0, 5417.0, 5698.0, 5396.0
2	5320	9	1	333	1	5564.0, 5653.0, 5293.0, 5321.0, 5423.0, 5621.0, 5601.0, 5571.0, 5347.0, 5357.0, 5680.0, 5585.0, 5642.0, 5318.0, 5556.0, 5675.0, 5383.0, 5476.0, 5422.0, 5290.0, 5582.0, 5534.0, 5616.0, 5438.0, 5307.0, 5512.0, 5575.0, 5375.0, 5441.0, 5341.0, 5475.0, 5502.0, 5344.0, 5624.0, 5594.0, 5310.0, 5713.0, 5673.0, 5605.0, 5690.0, 5419.0, 5477.0, 5619.0, 5629.0, 5694.0, 5450.0, 5552.0, 5342.0, 5678.0, 5429.0, 5294.0, 5533.0, 5542.0, 5415.0, 5657.0, 5495.0, 5364.0, 5467.0, 5584.0, 5374.0, 5618.0, 5377.0, 5313.0, 5440.0, 5430.0, 5587.0, 5517.0, 5479.0, 5413.0, 5661.0, 5504.0, 5468.0, 5536.0, 5388.0, 5253.0, 5649.0, 5331.0, 5559.0, 5384.0, 5418.0, 5284.0, 5287.0, 5478.0, 5433.0, 5397.0, 5655.0, 5460.0, 5679.0, 5285.0, 5325.0, 5362.0, 5487.0, 5627.0, 5312.0, 5394.0, 5548.0, 5425.0, 5337.0, 5540.0, 5656.0
3	5320	9	1	333	1	5479.0, 5616.0, 5607.0, 5699.0, 5539.0, 5477.0, 5693.0, 5275.0, 5544.0, 5688.0, 5647.0, 5337.0, 5261.0, 5519.0, 5351.0, 5619.0, 5661.0, 5609.0, 5722.0, 5715.0, 5267.0, 5365.0, 5599.0, 5288.0, 5583.0, 5280.0, 5551.0, 5615.0, 5629.0, 5709.0, 5425.0, 5300.0, 5409.0, 5456.0, 5656.0, 5720.0, 5523.0, 5263.0, 5561.0, 5509.0, 5602.0, 5394.0, 5304.0, 5372.0, 5671.0, 5569.0, 5476.0, 5317.0, 5278.0, 5680.0, 5398.0, 5502.0, 5260.0, 5433.0, 5438.0, 5271.0, 5451.0, 5321.0, 5268.0, 5581.0, 5682.0, 5421.0, 5354.0, 5389.0, 5380.0, 5369.0, 5601.0, 5266.0, 5401.0, 5542.0

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4	5320	9	1	333	1	5594.0, 5553.0, 5530.0, 5380.0, 5701.0, 5263.0, 5455.0, 5435.0, 5412.0, 5286.0, 5287.0, 5557.0, 5307.0, 5554.0, 5656.0, 5546.0, 5523.0, 5597.0, 5337.0, 5354.0, 5682.0, 5601.0, 5278.0, 5691.0, 5504.0, 5458.0, 5406.0, 5585.0, 5293.0, 5669.0, 5712.0, 5383.0, 5388.0, 5364.0, 5290.0, 5289.0, 5374.0, 5475.0, 5613.0, 5560.0, 5640.0, 5713.0, 5398.0, 5587.0, 5608.0, 5641.0, 5497.0, 5316.0, 5667.0, 5446.0, 5256.0, 5377.0, 5614.0, 5678.0, 5548.0, 5436.0, 5668.0, 5609.0, 5393.0, 5638.0, 5358.0, 5467.0, 5694.0, 5629.0, 5538.0, 5342.0, 5572.0, 5479.0, 5552.0, 5357.0, 5396.0, 5261.0, 5622.0, 5687.0, 5352.0, 5704.0, 5512.0, 5335.0, 5434.0, 5349.0, 5543.0, 5696.0, 5517.0, 5301.0, 5642.0, 5500.0, 5526.0, 5719.0, 5403.0, 5693.0, 5603.0, 5544.0, 5386.0, 5288.0, 5394.0, 5630.0, 5321.0, 5449.0, 5611.0, 5389.0
5	5320	9	1	333	1	5303.0, 5258.0, 5557.0, 5298.0, 5288.0, 5560.0, 5269.0, 5378.0, 5446.0, 5450.0, 5386.0, 5514.0, 5706.0, 5523.0, 5566.0, 5564.0, 5392.0, 5698.0, 5638.0, 5687.0, 5561.0, 5510.0, 5478.0, 5376.0, 5365.0, 5304.0, 5321.0, 5427.0, 5474.0, 5590.0, 5673.0, 5719.0, 5636.0, 5395.0, 5708.0, 5705.0, 5439.0, 5278.0, 5496.0, 5569.0, 5353.0, 5509.0, 5410.0, 5573.0, 5360.0, 5347.0, 5545.0, 5422.0, 5315.0, 5674.0, 5606.0, 5595.0, 5487.0, 5637.0, 5659.0, 5575.0, 5611.0, 5671.0, 5462.0, 5498.0, 5548.0, 5300.0, 5477.0, 5618.0, 5363.0, 5602.0, 5645.0, 5495.0, 5312.0, 5430.0, 5625.0, 5279.0, 5460.0, 5711.0, 5475.0, 5283.0, 5520.0, 5412.0, 5252.0, 5374.0, 5490.0, 5653.0, 5385.0, 5358.0, 5515.0, 5563.0, 5670.0, 5543.0, 5666.0, 5384.0, 5284.0, 5354.0, 5435.0, 5549.0, 5371.0, 5493.0, 5533.0, 5715.0, 5389.0, 5310.0
6	5320	9	1	333	1	5505.0, 5439.0, 5369.0, 5303.0, 5296.0, 5721.0, 5391.0, 5521.0, 5430.0, 5271.0, 5304.0, 5668.0, 5368.0, 5652.0, 5605.0, 5311.0, 5295.0, 5555.0, 5681.0, 5622.0, 5322.0, 5643.0, 5435.0, 5345.0, 5634.0, 5685.0, 5412.0, 5591.0, 5702.0, 5655.0, 5437.0, 5601.0, 5398.0, 5538.0, 5698.0, 5644.0, 5298.0, 5637.0, 5598.0, 5537.0, 5518.0, 5539.0, 5677.0, 5549.0, 5599.0, 5280.0, 5425.0, 5707.0, 5498.0, 5446.0, 5343.0, 5562.0, 5661.0, 5658.0, 5585.0, 5711.0, 5365.0, 5657.0, 5255.0, 5367.0, 5402.0, 5473.0, 5666.0, 5638.0, 5692.0,

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7	5320	9	1	333	1	5536.0, 5454.0, 5513.0, 5461.0, 5644.0, 5616.0, 5601.0, 5557.0, 5475.0, 5421.0, 5710.0, 5390.0, 5416.0, 5572.0, 5589.0, 5723.0, 5649.0, 5637.0, 5405.0, 5534.0, 5548.0, 5633.0, 5628.0, 5304.0, 5265.0, 5466.0, 5620.0, 5600.0, 5652.0, 5255.0, 5380.0, 5434.0, 5591.0, 5406.0, 5497.0, 5356.0, 5303.0, 5299.0, 5463.0, 5693.0, 5622.0, 5581.0, 5681.0, 5613.0, 5428.0, 5455.0, 5543.0, 5458.0, 5388.0, 5717.0, 5395.0, 5276.0, 5287.0, 5632.0, 5257.0, 5530.0, 5541.0, 5487.0, 5623.0, 5462.0, 5563.0, 5410.0, 5408.0, 5400.0, 5300.0, 5403.0, 5467.0, 5327.0, 5414.0, 5615.0, 5365.0, 5282.0, 5516.0, 5292.0, 5262.0, 5446.0, 5697.0, 5430.0, 5694.0, 5444.0, 5460.0, 5324.0, 5457.0, 5404.0, 5477.0, 5666.0, 5673.0, 5386.0, 5382.0, 5544.0, 5624.0, 5254.0, 5342.0, 5426.0, 5514.0, 5701.0, 5274.0, 5439.0, 5373.0, 5464.0
8	5320	9	1	333	1	5356.0, 5425.0, 5280.0, 5509.0, 5258.0, 5627.0, 5409.0, 5496.0, 5565.0, 5494.0, 5315.0, 5357.0, 5486.0, 5483.0, 5652.0, 5548.0, 5558.0, 5567.0, 5511.0, 5338.0, 5469.0, 5666.0, 5540.0, 5619.0, 5515.0, 5691.0, 5692.0, 5438.0, 5296.0, 5542.0, 5696.0, 5708.0, 5465.0, 5638.0, 5661.0, 5521.0, 5477.0, 5499.0, 5458.0, 5615.0, 5254.0, 5336.0, 5589.0, 5396.0, 5374.0, 5341.0, 5385.0, 5590.0, 5453.0, 5309.0, 5272.0, 5407.0, 5688.0, 5566.0, 5676.0, 5524.0, 5631.0, 5256.0, 5416.0, 5596.0, 5334.0, 5656.0, 5295.0, 5516.0, 5413.0, 5648.0, 5349.0, 5704.0, 5355.0, 5495.0, 5505.0, 5252.0, 5391.0, 5410.0, 5707.0, 5654.0, 5365.0, 5517.0, 5286.0, 5553.0, 5321.0, 5403.0, 5322.0, 5667.0, 5609.0, 5277.0, 5269.0, 5360.0, 5399.0, 5367.0, 5370.0, 5306.0, 5412.0, 5623.0, 5650.0, 5429.0, 5423.0, 5331.0, 5695.0, 5282.0
9	5320	9	1	333	1	5334.0, 5384.0, 5691.0, 5300.0, 5478.0, 5329.0, 5553.0, 5564.0, 5330.0, 5378.0, 5674.0, 5435.0, 5651.0, 5450.0, 5474.0, 5602.0, 5634.0, 5624.0, 5622.0, 5489.0, 5565.0, 5495.0, 5543.0, 5336.0, 5563.0, 5546.0, 5590.0, 5683.0, 5463.0, 5576.0, 5501.0, 5408.0, 5372.0, 5544.0, 5693.0, 5319.0, 5347.0, 5317.0, 5488.0, 5419.0, 5406.0, 5318.0, 5483.0, 5490.0, 5661.0, 5451.0, 5504.0, 5648.0, 5311.0, 5640.0, 5410.0, 5596.0, 5439.0, 5396.0, 5411.0, 5607.0, 5299.0, 5536.0, 5493.0, 5514.0,

						5453.0, 5391.0, 5526.0, 5423.0, 5427.0, 5525.0, 5559.0, 5583.0, 5461.0, 5519.0, 5600.0, 5298.0, 5472.0, 5265.0, 5580.0, 5462.0, 5327.0, 5379.0, 5413.0, 5680.0, 5403.0, 5417.0, 5685.0, 5548.0, 5421.0, 5326.0, 5684.0, 5687.0, 5507.0, 5444.0, 5395.0, 5608.0, 5532.0, 5315.0, 5515.0, 5294.0, 5534.0, 5710.0, 5672.0, 5308.0
10	5320	9	1	333	1	5280.0, 5317.0, 5625.0, 5703.0, 5531.0, 5294.0, 5529.0, 5676.0, 5693.0, 5446.0, 5454.0, 5296.0, 5405.0, 5416.0, 5292.0, 5324.0, 5657.0, 5381.0, 5488.0, 5476.0, 5478.0, 5587.0, 5264.0, 5271.0, 5524.0, 5388.0, 5496.0, 5445.0, 5435.0, 5319.0, 5517.0, 5473.0, 5336.0, 5665.0, 5458.0, 5604.0, 5270.0, 5368.0, 5404.0, 5266.0, 5554.0, 5501.0, 5315.0, 5427.0, 5364.0, 5420.0, 5534.0, 5533.0, 5447.0, 5677.0, 5690.0, 5414.0, 5611.0, 5480.0, 5329.0, 5542.0, 5466.0, 5438.0, 5564.0, 5713.0, 5370.0, 5278.0, 5351.0, 5689.0, 5421.0, 5504.0, 5338.0, 5498.0, 5272.0, 5398.0, 5637.0, 5463.0, 5267.0, 5413.0, 5556.0, 5345.0, 5541.0, 5669.0, 5552.0, 5302.0, 5643.0, 5305.0, 5470.0, 5356.0, 5509.0, 5539.0, 5323.0, 5415.0, 5477.0, 5705.0, 5662.0, 5686.0, 5418.0, 5372.0, 5400.0, 5521.0, 5630.0, 5505.0, 5500.0, 5283.0
11	5320	9	1	333	1	5439.0, 5612.0, 5645.0, 5702.0, 5671.0, 5654.0, 5501.0, 5542.0, 5661.0, 5470.0, 5503.0, 5551.0, 5670.0, 5534.0, 5406.0, 5622.0, 5619.0, 5521.0, 5374.0, 5430.0, 5496.0, 5579.0, 5659.0, 5269.0, 5355.0, 5437.0, 5594.0, 5610.0, 5368.0, 5256.0, 5516.0, 5476.0, 5548.0, 5553.0, 5707.0, 5525.0, 5394.0, 5694.0, 5495.0, 5286.0, 5351.0, 5370.0, 5339.0, 5324.0, 5403.0, 5665.0, 5296.0, 5477.0, 5590.0, 5473.0, 5504.0, 5483.0, 5306.0, 5298.0, 5721.0, 5550.0, 5340.0, 5464.0, 5557.0, 5478.0, 5465.0, 5389.0, 5363.0, 5481.0, 5724.0, 5601.0, 5327.0, 5380.0, 5684.0, 5352.0, 5502.0, 5650.0, 5321.0, 5560.0, 5517.0, 5620.0, 5722.0, 5450.0, 5586.0, 5626.0, 5696.0, 5445.0, 5338.0, 5400.0, 5592.0, 5322.0, 5638.0, 5484.0, 5414.0, 5632.0, 5488.0, 5700.0, 5253.0, 5599.0, 5537.0, 5648.0, 5699.0, 5549.0, 5271.0, 5663.0
12	5320	9	1	333	1	5363.0, 5527.0, 5487.0, 5412.0, 5439.0, 5371.0, 5428.0, 5384.0, 5568.0, 5692.0, 5689.0, 5656.0, 5710.0, 5409.0, 5572.0, 5463.0, 5337.0, 5349.0, 5455.0, 5490.0, 5352.0, 5355.0, 5314.0, 5669.0, 5625.0, 5677.0, 5699.0, 5520.0, 5369.0, 5358.0, 5643.0, 5569.0, 5279.0, 5587.0, 5360.0, 5289.0, 5560.0, 5344.0, 5296.0, 5584.0, 5723.0, 5611.0, 5473.0, 5700.0, 5315.0, 5612.0, 5676.0, 5299.0, 5297.0, 5316.0, 5458.0, 5441.0, 5686.0, 5570.0, 5294.0,

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13	5320	9	1	333	1	5457.0, 5511.0, 5641.0, 5450.0, 5530.0, 5287.0, 5706.0, 5333.0, 5553.0, 5533.0, 5642.0, 5284.0, 5651.0, 5397.0, 5259.0, 5581.0, 5676.0, 5559.0, 5288.0, 5365.0, 5395.0, 5666.0, 5570.0, 5346.0, 5330.0, 5263.0, 5662.0, 5315.0, 5656.0, 5501.0, 5603.0, 5569.0, 5584.0, 5380.0, 5610.0, 5714.0, 5537.0, 5576.0, 5354.0, 5640.0, 5359.0, 5377.0, 5555.0, 5289.0, 5430.0, 5419.0, 5577.0, 5588.0, 5469.0, 5347.0, 5493.0, 5627.0, 5616.0, 5409.0, 5703.0, 5594.0, 5705.0, 5502.0, 5350.0, 5595.0, 5548.0, 5674.0, 5478.0, 5327.0, 5710.0, 5661.0, 5617.0, 5722.0, 5447.0, 5509.0, 5293.0, 5257.0, 5609.0, 5283.0, 5396.0, 5611.0, 5490.0, 5621.0, 5723.0, 5602.0, 5682.0, 5697.0, 5694.0, 5299.0, 5296.0, 5386.0, 5670.0, 5304.0, 5482.0, 5689.0, 5378.0, 5481.0, 5485.0, 5454.0, 5448.0, 5522.0, 5251.0, 5578.0, 5488.0, 5291.0
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15	5320	9	1	333	1	5710.0, 5601.0, 5630.0, 5472.0, 5319.0, 5406.0, 5518.0, 5274.0, 5437.0, 5593.0, 5636.0, 5349.0, 5346.0, 5462.0, 5554.0, 5690.0, 5685.0, 5674.0, 5389.0, 5399.0, 5262.0, 5489.0, 5566.0, 5444.0, 5435.0, 5467.0, 5650.0, 5606.0, 5632.0, 5687.0, 5439.0, 5282.0, 5568.0, 5692.0, 5525.0, 5618.0, 5672.0, 5587.0, 5376.0, 5541.0, 5503.0, 5595.0, 5573.0, 5522.0, 5494.0, 5549.0, 5369.0, 5621.0, 5502.0, 5456.0

						5668.0, 5286.0, 5605.0, 5670.0, 5384.0, 5331.0, 5313.0, 5547.0, 5338.0, 5512.0, 5701.0, 5624.0, 5653.0, 5558.0, 5476.0, 5721.0, 5427.0, 5694.0, 5259.0, 5647.0, 5723.0, 5305.0, 5419.0, 5296.0, 5535.0, 5514.0, 5445.0, 5657.0, 5364.0, 5477.0, 5466.0, 5715.0, 5521.0, 5254.0, 5336.0, 5683.0, 5500.0, 5520.0, 5408.0, 5724.0, 5468.0, 5696.0, 5469.0, 5449.0, 5546.0, 5478.0, 5434.0, 5390.0, 5306.0, 5709.0
16	5320	9	1	333	1	5493.0, 5273.0, 5657.0, 5713.0, 5460.0, 5541.0, 5555.0, 5295.0, 5461.0, 5407.0, 5325.0, 5399.0, 5349.0, 5644.0, 5259.0, 5482.0, 5474.0, 5714.0, 5666.0, 5446.0, 5333.0, 5431.0, 5583.0, 5667.0, 5499.0, 5543.0, 5409.0, 5607.0, 5348.0, 5708.0, 5395.0, 5631.0, 5393.0, 5645.0, 5394.0, 5577.0, 5377.0, 5297.0, 5298.0, 5412.0, 5315.0, 5380.0, 5468.0, 5288.0, 5465.0, 5608.0, 5361.0, 5551.0, 5576.0, 5383.0, 5335.0, 5287.0, 5357.0, 5515.0, 5529.0, 5524.0, 5700.0, 5523.0, 5655.0, 5279.0, 5340.0, 5471.0, 5366.0, 5542.0, 5563.0, 5479.0, 5568.0, 5630.0, 5290.0, 5311.0, 5470.0, 5260.0, 5456.0, 5473.0, 5603.0, 5707.0, 5444.0, 5715.0, 5301.0, 5353.0, 5518.0, 5636.0, 5307.0, 5282.0, 5521.0, 5680.0, 5559.0, 5426.0, 5492.0, 5685.0, 5566.0, 5478.0, 5702.0, 5535.0, 5510.0, 5367.0, 5341.0, 5378.0, 5590.0, 5570.0
17	5320	9	1	333	1	5687.0, 5535.0, 5357.0, 5386.0, 5579.0, 5332.0, 5645.0, 5441.0, 5596.0, 5303.0, 5435.0, 5383.0, 5271.0, 5607.0, 5665.0, 5390.0, 5469.0, 5352.0, 5498.0, 5691.0, 5474.0, 5507.0, 5627.0, 5424.0, 5500.0, 5372.0, 5564.0, 5581.0, 5481.0, 5555.0, 5488.0, 5304.0, 5571.0, 5676.0, 5638.0, 5275.0, 5529.0, 5471.0, 5398.0, 5374.0, 5371.0, 5612.0, 5276.0, 5536.0, 5692.0, 5646.0, 5264.0, 5615.0, 5449.0, 5544.0, 5327.0, 5577.0, 5422.0, 5477.0, 5521.0, 5575.0, 5486.0, 5349.0, 5523.0, 5708.0, 5616.0, 5407.0, 5553.0, 5694.0, 5647.0, 5353.0, 5539.0, 5262.0, 5650.0, 5317.0, 5389.0, 5540.0, 5501.0, 5456.0, 5459.0, 5510.0, 5472.0, 5311.0, 5338.0, 5640.0, 5651.0, 5573.0, 5635.0, 5572.0, 5446.0, 5385.0, 5410.0, 5479.0, 5599.0, 5556.0, 5458.0, 5473.0, 5723.0, 5401.0, 5427.0, 5509.0, 5517.0, 5622.0, 5460.0, 5316.0
18	5320	9	1	333	1	5364.0, 5384.0, 5446.0, 5328.0, 5619.0, 5302.0, 5647.0, 5532.0, 5683.0, 5315.0, 5404.0, 5398.0, 5368.0, 5411.0, 5397.0, 5431.0, 5640.0, 5386.0, 5488.0, 5599.0, 5280.0, 5670.0, 5499.0, 5514.0, 5369.0, 5525.0, 5522.0, 5438.0, 5633.0, 5584.0, 5272.0, 5337.0, 5275.0, 5643.0, 5314.0, 5691.0, 5388.0, 5699.0, 5402.0, 5666.0, 5391.0, 5520.0, 5625.0, 5635.0, 5600.0,

						5581.0, 5560.0, 5400.0, 5540.0, 5250.0, 5721.0, 5294.0, 5541.0, 5360.0, 5405.0, 5579.0, 5435.0, 5489.0, 5526.0, 5561.0, 5308.0, 5566.0, 5474.0, 5529.0, 5352.0, 5385.0, 5415.0, 5644.0, 5597.0, 5416.0, 5722.0, 5358.0, 5312.0, 5518.0, 5306.0, 5318.0, 5310.0, 5609.0, 5292.0, 5429.0, 5565.0, 5698.0, 5480.0, 5592.0, 5494.0, 5530.0, 5550.0, 5537.0, 5375.0, 5449.0, 5543.0, 5298.0, 5439.0, 5331.0, 5645.0, 5582.0, 5571.0, 5346.0, 5509.0, 5700.0
19	5320	9	1	333	1	5595.0, 5474.0, 5597.0, 5688.0, 5509.0, 5324.0, 5331.0, 5280.0, 5290.0, 5719.0, 5517.0, 5712.0, 5370.0, 5641.0, 5529.0, 5663.0, 5511.0, 5542.0, 5460.0, 5546.0, 5649.0, 5252.0, 5724.0, 5302.0, 5576.0, 5401.0, 5661.0, 5482.0, 5419.0, 5499.0, 5424.0, 5691.0, 5392.0, 5554.0, 5671.0, 5289.0, 5532.0, 5399.0, 5701.0, 5257.0, 5697.0, 5510.0, 5317.0, 5518.0, 5262.0, 5637.0, 5414.0, 5633.0, 5634.0, 5635.0, 5320.0, 5362.0, 5304.0, 5450.0, 5390.0, 5446.0, 5488.0, 5537.0, 5418.0, 5282.0, 5470.0, 5333.0, 5277.0, 5371.0, 5355.0, 5521.0, 5570.0, 5652.0, 5284.0, 5330.0, 5648.0, 5440.0, 5477.0, 5364.0, 5699.0, 5457.0, 5600.0, 5377.0, 5716.0, 5255.0, 5305.0, 5427.0, 5682.0, 5658.0, 5714.0, 5505.0, 5253.0, 5298.0, 5264.0, 5421.0, 5655.0, 5341.0, 5417.0, 5292.0, 5585.0, 5578.0, 5683.0, 5462.0, 5503.0, 5680.0
20	5320	9	1	333	1	5630.0, 5300.0, 5498.0, 5513.0, 5267.0, 5457.0, 5433.0, 5519.0, 5628.0, 5311.0, 5330.0, 5375.0, 5260.0, 5347.0, 5447.0, 5673.0, 5462.0, 5623.0, 5313.0, 5525.0, 5355.0, 5680.0, 5381.0, 5545.0, 5394.0, 5699.0, 5256.0, 5445.0, 5263.0, 5549.0, 5663.0, 5487.0, 5500.0, 5389.0, 5570.0, 5324.0, 5411.0, 5440.0, 5280.0, 5415.0, 5566.0, 5626.0, 5340.0, 5393.0, 5477.0, 5687.0, 5584.0, 5398.0, 5587.0, 5598.0, 5679.0, 5582.0, 5583.0, 5464.0, 5709.0, 5695.0, 5656.0, 5538.0, 5405.0, 5641.0, 5373.0, 5599.0, 5302.0, 5605.0, 5272.0, 5516.0, 5557.0, 5581.0, 5298.0, 5338.0, 5531.0, 5351.0, 5486.0, 5304.0, 5560.0, 5554.0, 5491.0, 5499.0, 5537.0, 5417.0, 5451.0, 5271.0, 5552.0, 5401.0, 5596.0, 5703.0, 5645.0, 5335.0, 5431.0, 5518.0, 5635.0, 5676.0, 5399.0, 5627.0, 5675.0, 5314.0, 5366.0, 5620.0, 5668.0, 5326.0
21	5320	9	1	333	1	5510.0, 5388.0, 5627.0, 5311.0, 5584.0, 5396.0, 5622.0, 5709.0, 5421.0, 5586.0, 5678.0, 5658.0, 5645.0, 5321.0, 5361.0, 5366.0, 5369.0, 5703.0, 5293.0, 5714.0, 5360.0, 5559.0, 5711.0, 5502.0, 5480.0, 5433.0, 5642.0, 5705.0, 5431.0, 5576.0, 5677.0, 5529.0, 5338.0, 5620.0, 5710.0, 5722.0, 5702.0, 5344.0, 5716.0, 5294.0,

						5591.0, 5515.0, 5593.0, 5314.0, 5685.0, 5264.0, 5690.0, 5648.0, 5656.0, 5516.0, 5460.0, 5533.0, 5375.0, 5403.0, 5305.0, 5328.0, 5530.0, 5674.0, 5621.0, 5271.0, 5252.0, 5341.0, 5251.0, 5473.0, 5583.0, 5534.0, 5475.0, 5600.0, 5407.0, 5616.0, 5470.0, 5428.0, 5679.0, 5491.0, 5459.0, 5332.0, 5389.0, 5543.0, 5554.0, 5308.0, 5695.0, 5392.0, 5666.0, 5643.0, 5630.0, 5551.0, 5598.0, 5318.0, 5575.0, 5335.0, 5555.0, 5506.0, 5471.0, 5521.0, 5696.0, 5589.0, 5624.0, 5385.0, 5668.0, 5414.0
22	5320	9	1	333	1	5718.0, 5466.0, 5438.0, 5539.0, 5502.0, 5343.0, 5470.0, 5415.0, 5251.0, 5473.0, 5297.0, 5387.0, 5420.0, 5584.0, 5684.0, 5305.0, 5680.0, 5323.0, 5503.0, 5273.0, 5674.0, 5272.0, 5370.0, 5441.0, 5497.0, 5493.0, 5361.0, 5479.0, 5450.0, 5705.0, 5583.0, 5443.0, 5525.0, 5675.0, 5400.0, 5410.0, 5408.0, 5377.0, 5545.0, 5599.0, 5635.0, 5669.0, 5359.0, 5613.0, 5703.0, 5534.0, 5533.0, 5625.0, 5591.0, 5381.0, 5678.0, 5395.0, 5662.0, 5676.0, 5605.0, 5529.0, 5457.0, 5658.0, 5524.0, 5668.0, 5366.0, 5557.0, 5710.0, 5521.0, 5482.0, 5532.0, 5672.0, 5392.0, 5709.0, 5679.0, 5604.0, 5254.0, 5686.0, 5647.0, 5512.0, 5308.0, 5695.0, 5447.0, 5504.0, 5708.0, 5496.0, 5329.0, 5483.0, 5455.0, 5445.0, 5698.0, 5260.0, 5351.0, 5373.0, 5488.0, 5355.0, 5325.0, 5547.0, 5495.0, 5423.0, 5614.0, 5310.0, 5339.0, 5434.0, 5688.0
23	5320	9	1	333		
24	5320	9	1	333	1	5602.0, 5500.0, 5526.0, 5563.0, 5293.0, 5399.0, 5542.0, 5416.0, 5400.0, 5453.0, 5681.0, 5572.0, 5505.0, 5379.0, 5517.0, 5679.0, 5273.0, 5353.0, 5603.0, 5264.0, 5419.0, 5430.0, 5595.0, 5536.0, 5695.0, 5267.0, 5673.0, 5345.0, 5307.0, 5574.0, 5661.0, 5611.0, 5472.0, 5512.0, 5452.0, 5330.0, 5549.0, 5559.0, 5473.0, 5352.0, 5426.0, 5515.0, 5541.0, 5717.0, 5340.0, 5284.0, 5533.0, 5538.0, 5657.0, 5648.0, 5280.0, 5530.0, 5397.0, 5467.0, 5636.0, 5622.0, 5471.0, 5331.0, 5642.0, 5578.0, 5547.0, 5631.0, 5290.0, 5719.0, 5261.0, 5583.0, 5605.0, 5641.0, 5386.0, 5637.0, 5258.0, 5344.0, 5667.0, 5309.0, 5443.0, 5279.0, 5570.0, 5492.0, 5445.0, 5423.0, 5708.0, 5682.0, 5623.0, 5675.0, 5647.0, 5639.0, 5700.0, 5629.0, 5606.0, 5488.0, 5454.0, 5270.0, 5617.0, 5478.0, 5393.0, 5703.0, 5604.0, 5361.0, 5459.0, 5329.0
25	5320	9	1	333	1	5649.0, 5590.0, 5530.0, 5438.0, 5255.0, 5485.0, 5264.0, 5443.0, 5573.0, 5298.0, 5674.0, 5668.0, 5658.0, 5318.0, 5323.0, 5677.0, 5557.0, 5696.0, 5431.0, 5633.0, 5525.0, 5577.0, 5641.0, 5537.0, 5505.0, 5669.0, 5368.0, 5692.0, 5587.0, 5332.0,

						5650.0, 5401.0, 5348.0, 5276.0, 5567.0, 5558.0, 5550.0, 5463.0, 5585.0, 5337.0, 5436.0, 5365.0, 5328.0, 5513.0, 5570.0, 5682.0, 5719.0, 5496.0, 5387.0, 5683.0, 5471.0, 5614.0, 5280.0, 5706.0, 5334.0, 5588.0, 5383.0, 5681.0, 5444.0, 5651.0, 5303.0, 5486.0, 5268.0, 5439.0, 5415.0, 5598.0, 5341.0, 5409.0, 5478.0, 5656.0, 5501.0, 5597.0, 5610.0, 5370.0, 5386.0, 5344.0, 5457.0, 5445.0, 5413.0, 5488.0, 5257.0, 5327.0, 5275.0, 5495.0, 5697.0, 5575.0, 5539.0, 5689.0, 5510.0, 5259.0, 5284.0, 5678.0, 5673.0, 5628.0, 5634.0, 5421.0, 5465.0, 5379.0, 5481.0, 5458.0
26	5320	9	1	333	1	5282.0, 5257.0, 5289.0, 5327.0, 5297.0, 5292.0, 5711.0, 5474.0, 5550.0, 5485.0, 5419.0, 5459.0, 5298.0, 5538.0, 5255.0, 5456.0, 5322.0, 5471.0, 5276.0, 5571.0, 5641.0, 5721.0, 5642.0, 5703.0, 5313.0, 5428.0, 5661.0, 5525.0, 5508.0, 5635.0, 5397.0, 5269.0, 5555.0, 5264.0, 5478.0, 5548.0, 5568.0, 5573.0, 5384.0, 5648.0, 5583.0, 5444.0, 5365.0, 5404.0, 5559.0, 5567.0, 5268.0, 5375.0, 5308.0, 5702.0, 5598.0, 5464.0, 5303.0, 5319.0, 5388.0, 5509.0, 5316.0, 5659.0, 5353.0, 5347.0, 5339.0, 5477.0, 5557.0, 5476.0, 5325.0, 5532.0, 5372.0, 5608.0, 5691.0, 5408.0, 5653.0, 5710.0, 5609.0, 5378.0, 5436.0, 5624.0, 5486.0, 5407.0, 5287.0, 5675.0, 5343.0, 5334.0, 5293.0, 5712.0, 5370.0, 5685.0, 5405.0, 5443.0, 5332.0, 5395.0, 5716.0, 5516.0, 5680.0, 5381.0, 5364.0, 5578.0, 5553.0, 5649.0, 5647.0, 5533.0
27	5320	9	1	333	1	5651.0, 5712.0, 5563.0, 5503.0, 5291.0, 5720.0, 5310.0, 5453.0, 5384.0, 5704.0, 5633.0, 5400.0, 5328.0, 5381.0, 5539.0, 5271.0, 5415.0, 5367.0, 5657.0, 5315.0, 5358.0, 5348.0, 5616.0, 5343.0, 5262.0, 5543.0, 5520.0, 5612.0, 5401.0, 5553.0, 5555.0, 5412.0, 5516.0, 5569.0, 5293.0, 5472.0, 5383.0, 5500.0, 5327.0, 5444.0, 5634.0, 5356.0, 5445.0, 5427.0, 5265.0, 5567.0, 5687.0, 5699.0, 5685.0, 5305.0, 5670.0, 5418.0, 5259.0, 5619.0, 5638.0, 5482.0, 5462.0, 5304.0, 5677.0, 5662.0, 5375.0, 5588.0, 5437.0, 5594.0, 5623.0, 5420.0, 5706.0, 5461.0, 5260.0, 5703.0, 5446.0, 5557.0, 5449.0, 5558.0, 5589.0, 5340.0, 5511.0, 5430.0, 5457.0, 5532.0, 5591.0, 5518.0, 5545.0, 5301.0, 5689.0, 5433.0, 5288.0, 5386.0, 5531.0, 5533.0, 5307.0, 5431.0, 5678.0, 5481.0, 5541.0, 5614.0, 5436.0, 5467.0, 5655.0, 5280.0
28	5320	9	1	333	1	5524.0, 5500.0, 5598.0, 5497.0, 5323.0, 5631.0, 5565.0, 5681.0, 5298.0, 5264.0, 5357.0, 5358.0, 5579.0, 5327.0, 5384.0, 5256.0, 5301.0, 5478.0, 5289.0, 5253.0, 5510.0, 5425.0, 5669.0, 5288.0, 5648.0,

						5534.0, 5266.0, 5542.0, 5462.0, 5549.0, 5637.0, 5714.0, 5428.0, 5661.0, 5258.0, 5662.0, 5455.0, 5347.0, 5693.0, 5583.0, 5567.0, 5352.0, 5690.0, 5575.0, 5324.0, 5709.0, 5634.0, 5665.0, 5619.0, 5574.0, 5413.0, 5552.0, 5624.0, 5712.0, 5594.0, 5417.0, 5517.0, 5296.0, 5415.0, 5282.0, 5366.0, 5294.0, 5389.0, 5627.0, 5513.0, 5421.0, 5626.0, 5572.0, 5475.0, 5553.0, 5313.0, 5337.0, 5602.0, 5636.0, 5318.0, 5540.0, 5691.0, 5434.0, 5671.0, 5361.0, 5658.0, 5715.0, 5685.0, 5651.0, 5356.0, 5683.0, 5506.0, 5672.0, 5670.0, 5544.0, 5381.0, 5695.0, 5322.0, 5692.0, 5362.0, 5430.0, 5343.0, 5304.0, 5251.0, 5456.0
29	5320	9	1	333	1	5393.0, 5647.0, 5374.0, 5542.0, 5382.0, 5719.0, 5661.0, 5371.0, 5591.0, 5334.0, 5475.0, 5346.0, 5708.0, 5623.0, 5628.0, 5631.0, 5389.0, 5417.0, 5434.0, 5651.0, 5323.0, 5688.0, 5266.0, 5472.0, 5332.0, 5277.0, 5494.0, 5577.0, 5353.0, 5509.0, 5644.0, 5296.0, 5566.0, 5314.0, 5397.0, 5492.0, 5285.0, 5456.0, 5262.0, 5283.0, 5322.0, 5292.0, 5356.0, 5469.0, 5597.0, 5587.0, 5650.0, 5671.0, 5339.0, 5348.0, 5579.0, 5630.0, 5553.0, 5326.0, 5491.0, 5520.0, 5678.0, 5718.0, 5554.0, 5645.0, 5672.0, 5593.0, 5511.0, 5584.0, 5622.0, 5711.0, 5480.0, 5327.0, 5665.0, 5294.0, 5405.0, 5503.0, 5471.0, 5313.0, 5632.0, 5430.0, 5376.0, 5454.0, 5282.0, 5357.0, 5502.0, 5251.0, 5633.0, 5340.0, 5478.0, 5439.0, 5635.0, 5409.0, 5638.0, 5321.0, 5687.0, 5536.0, 5375.0, 5483.0, 5350.0, 5570.0, 5269.0, 5407.0, 5352.0, 5256.0
30	5320	9	1	333	1	5490.0, 5255.0, 5365.0, 5349.0, 5600.0, 5591.0, 5436.0, 5420.0, 5583.0, 5463.0, 5701.0, 5525.0, 5611.0, 5446.0, 5500.0, 5585.0, 5319.0, 5602.0, 5630.0, 5707.0, 5328.0, 5298.0, 5589.0, 5488.0, 5719.0, 5510.0, 5625.0, 5375.0, 5257.0, 5473.0, 5387.0, 5559.0, 5327.0, 5480.0, 5443.0, 5279.0, 5363.0, 5713.0, 5439.0, 5606.0, 5276.0, 5674.0, 5384.0, 5621.0, 5679.0, 5685.0, 5695.0, 5281.0, 5422.0, 5449.0, 5392.0, 5411.0, 5566.0, 5576.0, 5273.0, 5389.0, 5251.0, 5317.0, 5646.0, 5644.0, 5386.0, 5696.0, 5390.0, 5560.0, 5294.0, 5631.0, 5410.0, 5599.0, 5596.0, 5656.0, 5526.0, 5647.0, 5564.0, 5518.0, 5259.0, 5424.0, 5374.0, 5612.0, 5540.0, 5527.0, 5531.0, 5353.0, 5661.0, 5289.0, 5338.0, 5635.0, 5265.0, 5415.0, 5358.0, 5464.0, 5705.0, 5597.0, 5283.0, 5708.0, 5361.0, 5441.0, 5421.0, 5686.0, 5557.0, 5533.0

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.

5290MHz**Radar Type 2 Statistical Performance**

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	26	2.1	200	1
2	5290	24	2.6	186	1
3	5290	23	4.8	161	1
4	5290	25	1.5	171	1
5	5290	23	1.5	175	1
6	5290	26	2.9	224	1
7	5290	24	4.4	225	1
8	5290	29	4.5	190	1
9	5290	25	2.7	228	1
10	5290	23	4	201	1
11	5290	26	1.5	201	1
12	5290	26	2.9	209	1
13	5290	27	1.8	192	1
14	5290	27	1.1	155	1
15	5290	28	4.3	209	1
16	5290	27	2.3	188	1
17	5290	24	1.8	201	0
18	5290	24	2.7	198	1
19	5290	29	2.3	194	1
20	5290	23	1.9	229	1
21	5290	29	1.7	155	0
22	5290	23	3	220	1
23	5290	26	3.8	197	1
24	5290	23	4.1	214	0
25	5290	27	3.9	175	1
26	5290	27	4	223	1
27	5290	28	2.7	169	1
28	5290	26	1.2	191	1
29	5290	23	1.9	168	1
30	5290	27	4.1	161	1
Detection Percentage: 90% (>60%)					

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