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

ACCREDITED
TESTING LABORATORY
CERTIFICATE # 6356.01

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: **V7TMESH12X**

Product Name: **AX3000 Whole Home Mesh Wi-Fi 6 System**

Model Number: **Mesh12X, MX12, EX12, EM12**

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: **CR22020017-00D**

Date Of Issue: **2022-07-25**

Reviewed By: **Sun Zhong**

Sun Zhong

Title: Manager

Test Laboratory: **China Certification ICT Co., Ltd (Dongguan)**
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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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1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	AX3000 Whole Home Mesh Wi-Fi 6 System
EUT Model:	Mesh12X
Multiple Model:	MX12, EX12, EM12
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):	21.62 dBm (5250-5350 MHz)
Maximum Average Output Power (EIRP):	26.12 dBm (5250-5350 MHz)
Modulation Type:	802.11a/n:OFDM-BPSK, QPSK, 16QAM, 64QAM 802.11ax: OFDMA-BPSK, QPSK, 16QAM, 64QAM,256QAM,1024QAM
Rated Input Voltage:	DC 12V from adapter
Serial Number:	CR22020017-RF-S1
EUT Received Date:	2022.2.18
EUT Received Status:	Good
Note: The Multiple model is electrically identical with test model, please refer to the declaration letter for more detail, which was provided by manufacturer.	

1.1.3 Antenna Information Detail▲:

Antenna Chain	Manufacturer	Antenna Type	input impedance (Ohm)	Antenna Gain /Frequency Range	§15.203 Requirement
5GHz Chain 0	SHENZHEN TENDA TECHNOLOGY CO.,LTD.	PCB	50	4.5dBi/ 5.15~5.85GHz	**Compliance**
5GHz Chain 1		PCB	50	4.5dBi/ 5.15~5.85GHz	**Compliance**

The Method of §15.203 Compliance:

☒Antenna must be permanently attached to the unit.

☐Antenna must use a unique type of connector to attach to the EUT.

☐Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

1.1.4 Accessory Information:

Accessory Description	Manufacturer	Model	Parameters
Adapter	SHENZHEN HEWEISHUN NETWORK TECHNOLOGY CO., LTD	BN067-A18012U	Input: 100-240V~50/60Hz 0.6A Output: 12.0V 1.5A

1.2 Description of Test Configuration

1.2.1 EUT Operation Condition:

EUT Operation Mode:	The system was configured for testing in Engineering Mode, which was provided by the manufacturer.
Equipment Modifications:	No
EUT Exercise Software:	Tfgen
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".	

1.2.2 Support Equipment List and Details

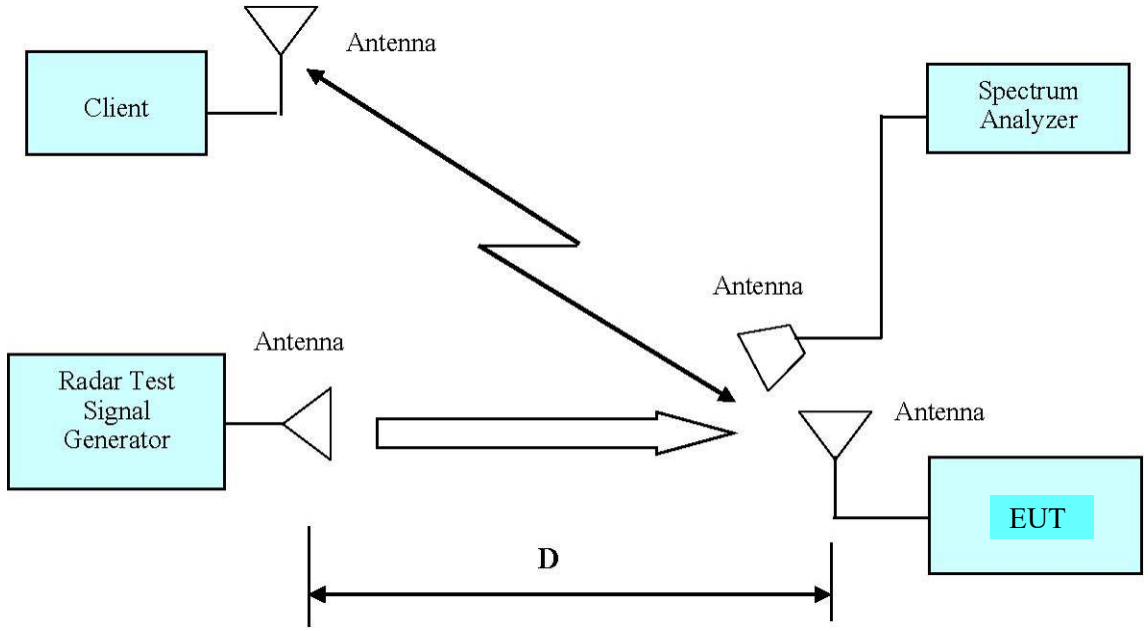
Manufacturer	Description	Model	Serial Number
ASUS	Laptop	FX504G	J6NRCX014047232
ThinkPad	Laptop	E450	PF-0MR8KV 16/08

Note: ASUS Laptop Contains FCC ID: PD99560NG.

1.2.3 Support Cable List and Details

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

1.2.4 Block Diagram of Test Setup



2. SUMMARY OF TEST RESULTS

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

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

3. REQUIREMENTS AND TEST PROCEDURES

3.1 DFS Requirement

CFR §47 Part 15.407(h)

FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

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

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

Table 2: Applicability of DFS requirements during normal operation

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

Additional requirements for devices with multiple bandwidth modes	Master Device or Client with Radar Detection	Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	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 ≥ 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**
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.
Note 1: *Channel Move Time* and the *Channel Closing Transmission Time* should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. **Note 2:** The *Channel Closing Transmission Time* is comprised of 200 milliseconds starting at the beginning of the *Channel Move Time* plus any additional intermittent control signals required to facilitate a *Channel* move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. **Note 3:** During the *U-NII Detection Bandwidth* detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

Table 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 $\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot10^6}{PRI_{\mu sec}}\right)\right\}$	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 $\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot10^6}{3066}\right)\right\} = \text{Roundup}\{17.2\} = 18.$

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

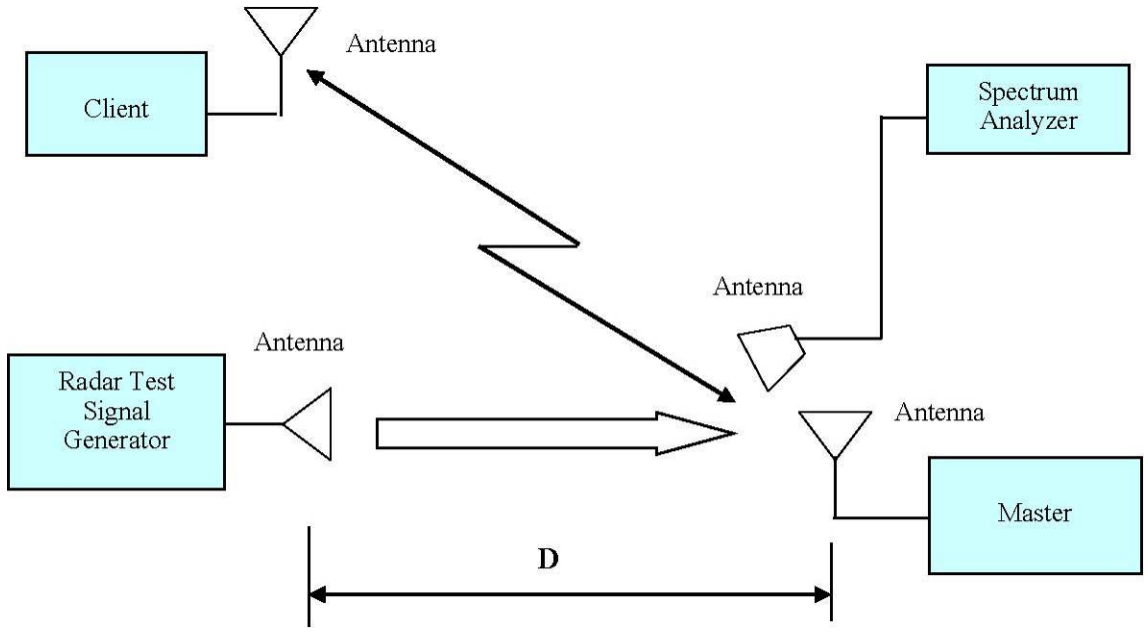
Table 7 – Frequency Hopping Radar Test Waveform

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:	CR22020017-RF-S1	Test Date:	2022-07-18~2022-07-21
Test Site:	RF	Test Mode:	Transmitting
Tester:	Julie Tan	Test Result:	Pass

Environmental Conditions:					
Temperature: (℃)	254~26.2	Relative Humidity: (%)	49~~52	ATM Pressure: (kPa)	100.0~100.8

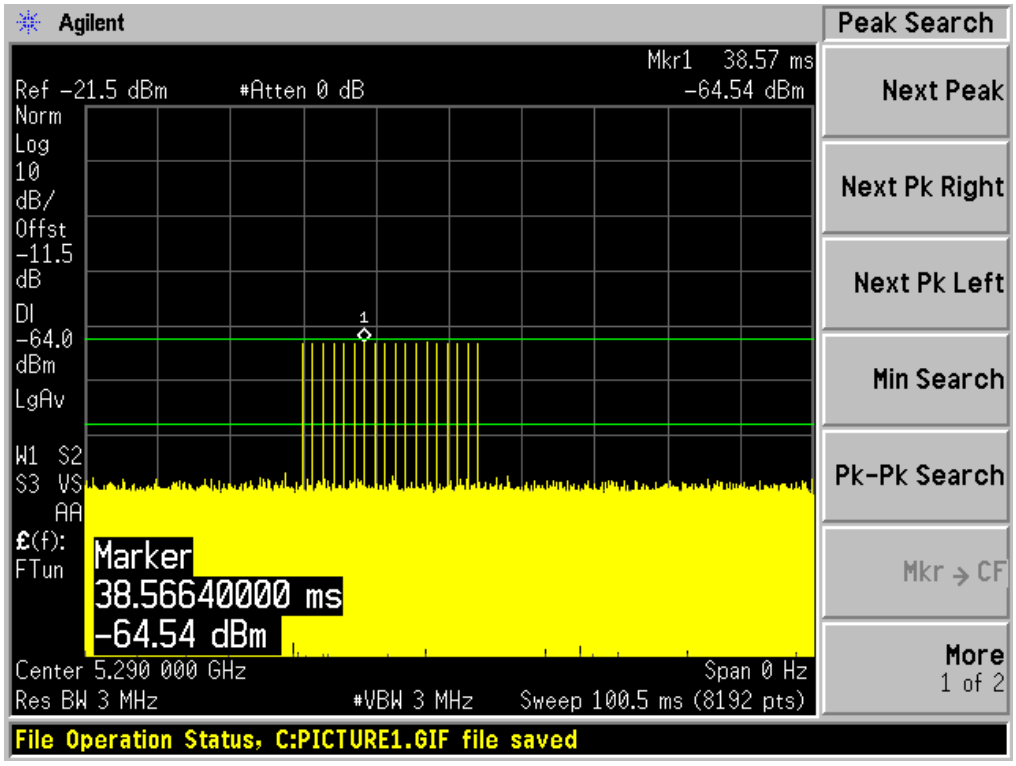
Test Equipment List and Details:

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	2022-07-07	2023-07-07
Ditorn	Splitter/Combiner	D3C4080	SN2244	N/A	N/A
TDK RF	horn antenna	HRN-0118	130 084	2021-10-12	2024-10-12
LINDGREN	horn antenna	3115	000 527 35	2021-10-12	2024-10-12

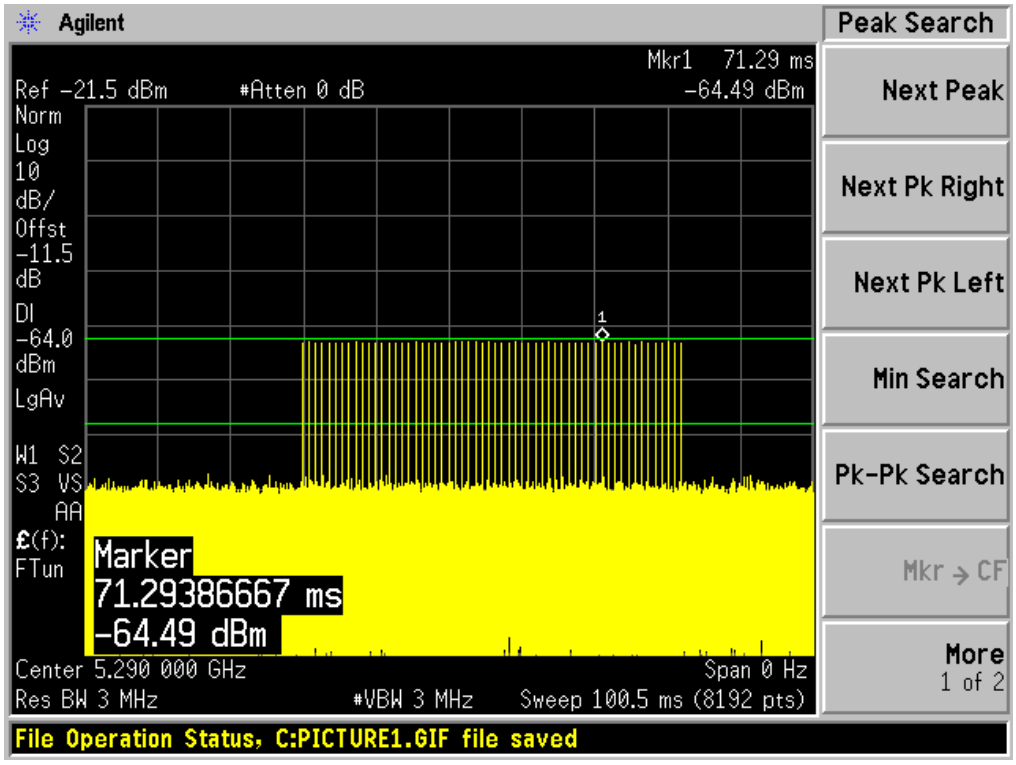
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

4.1 Radar Waveform Calibration

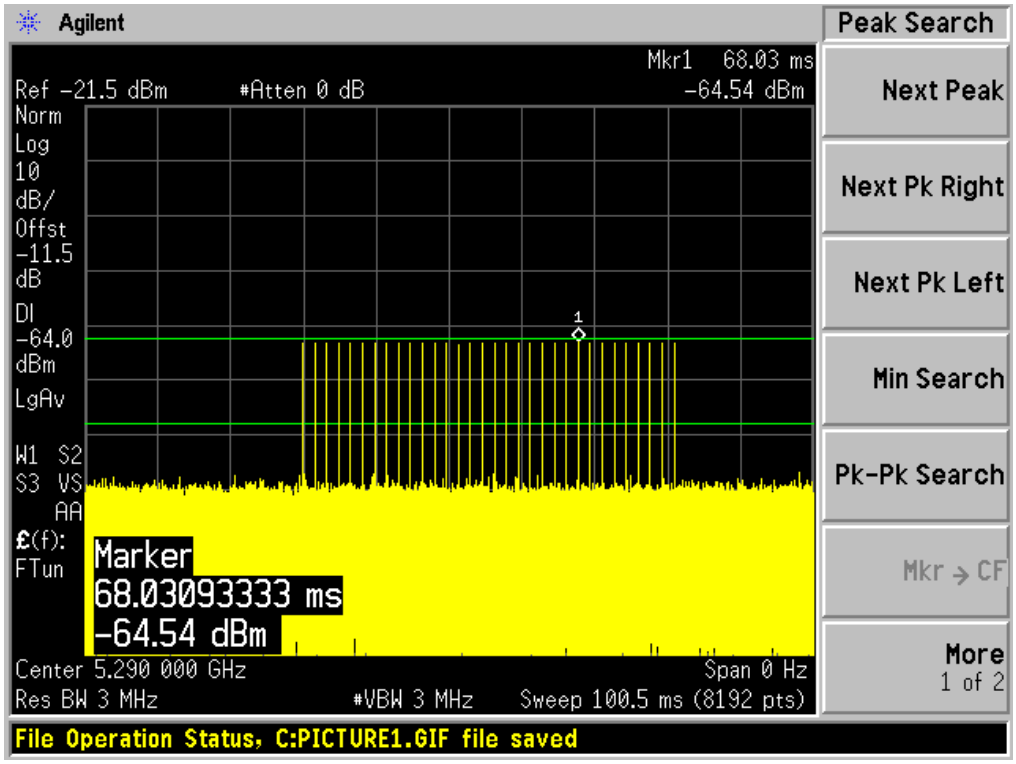
Radar Type 0



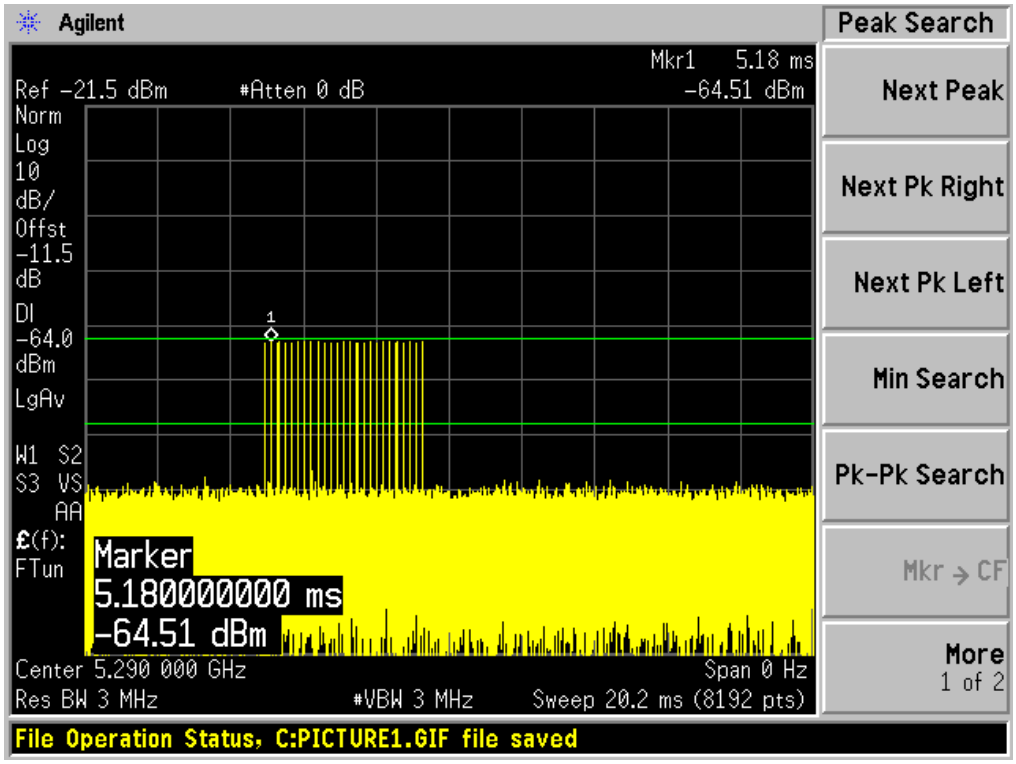
Radar Type 1A



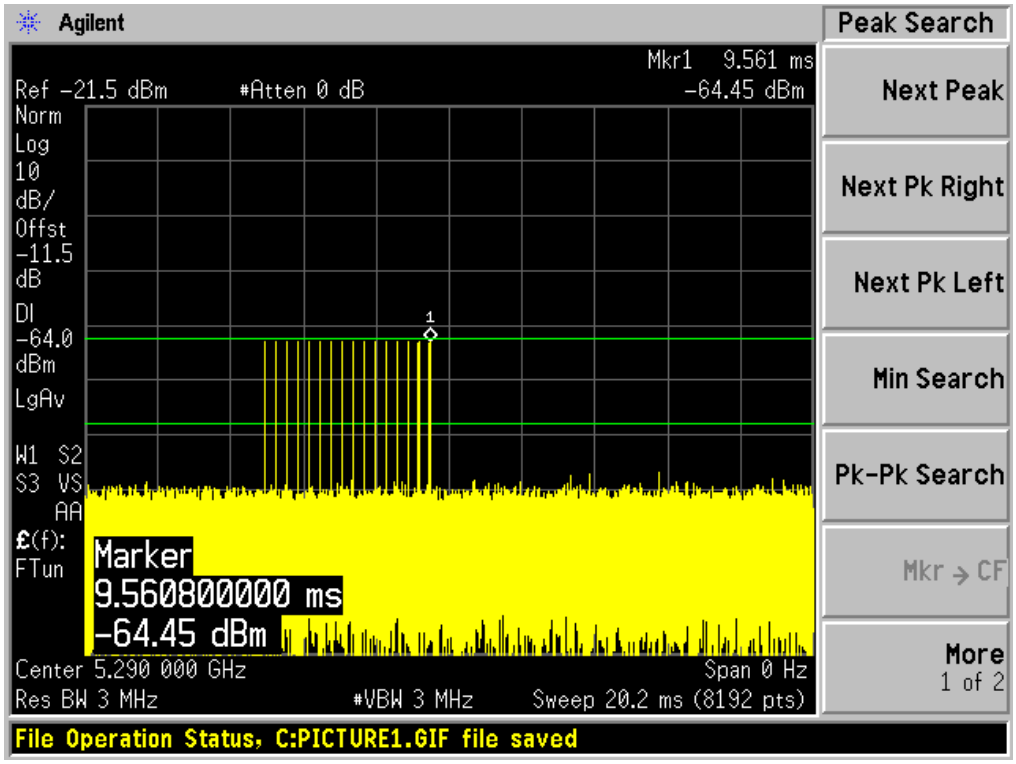
Radar Type 1B



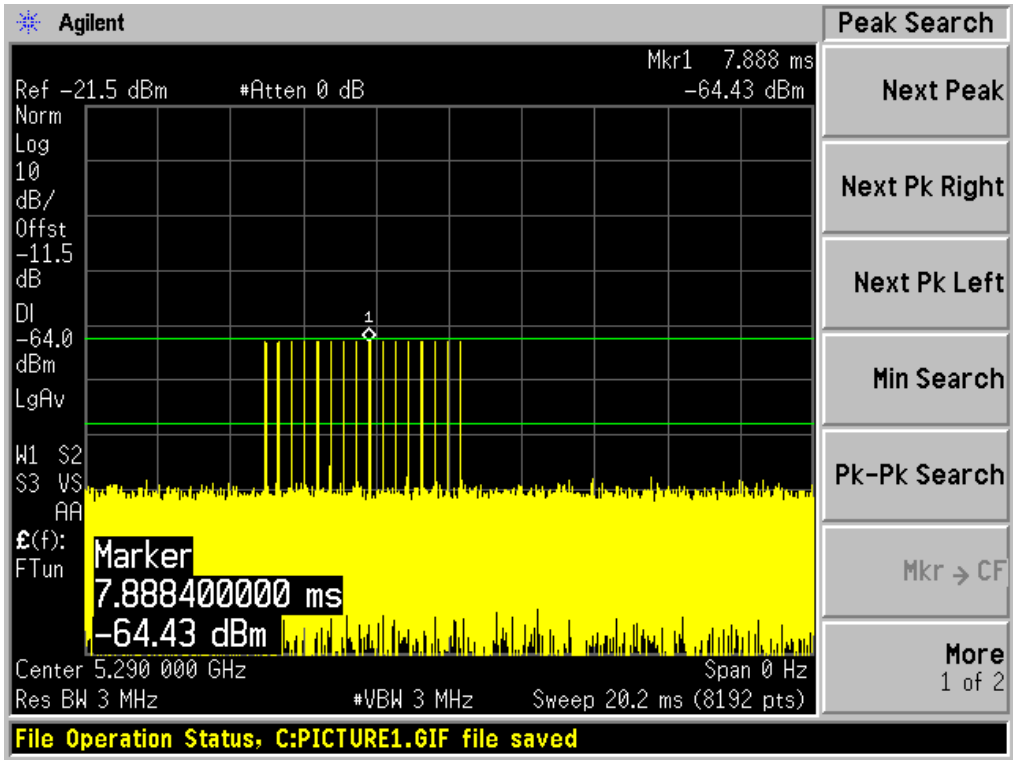
Radar Type 2



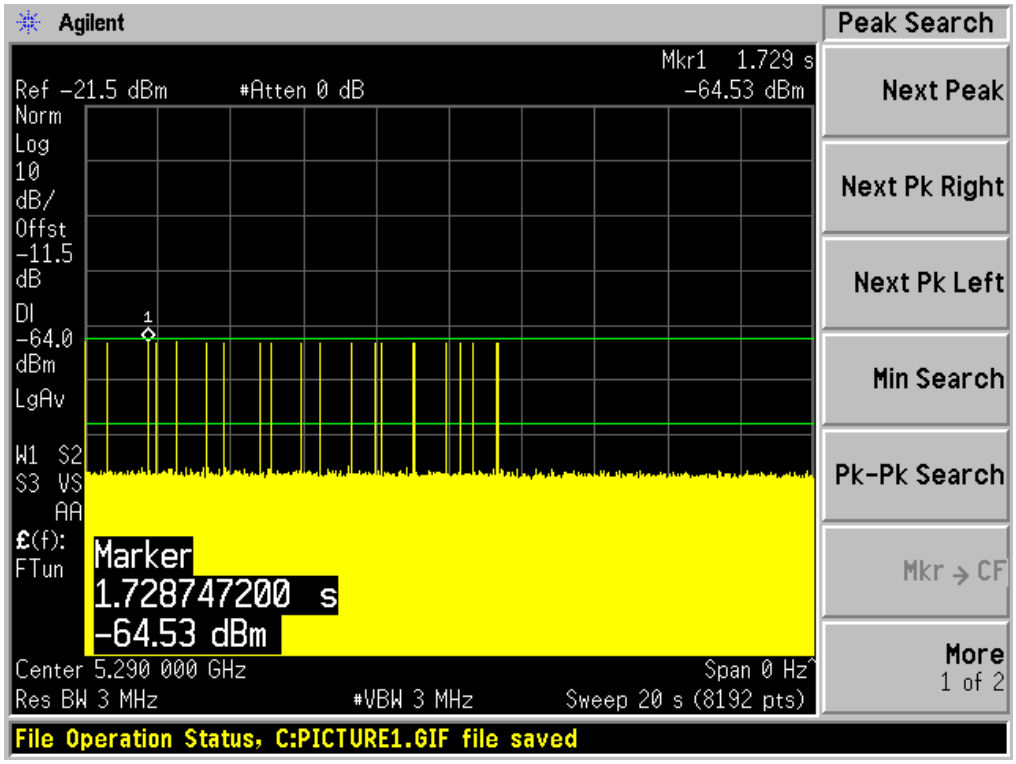
Radar Type 3



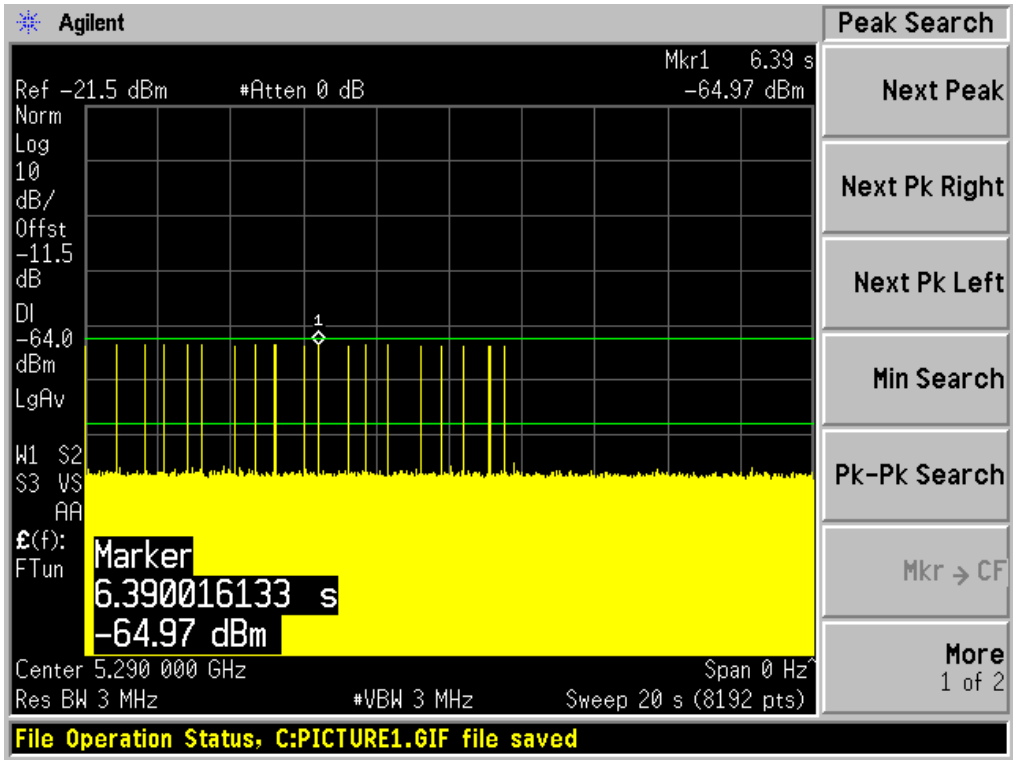
Radar Type 4



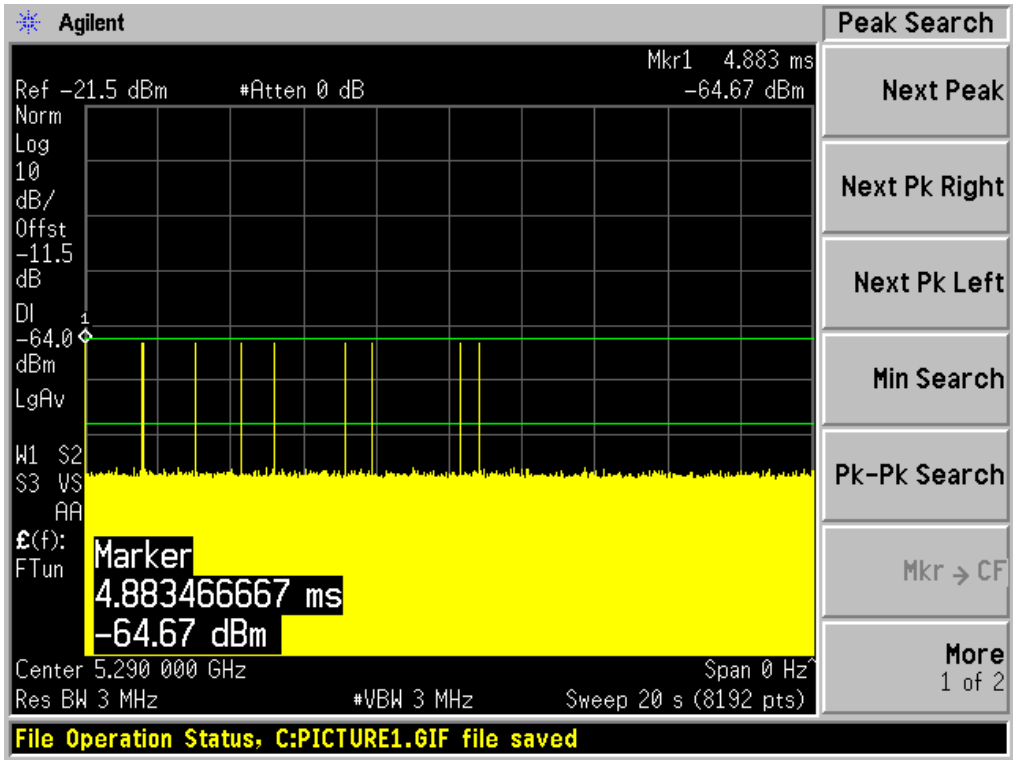
Radar Type 5 Case 1



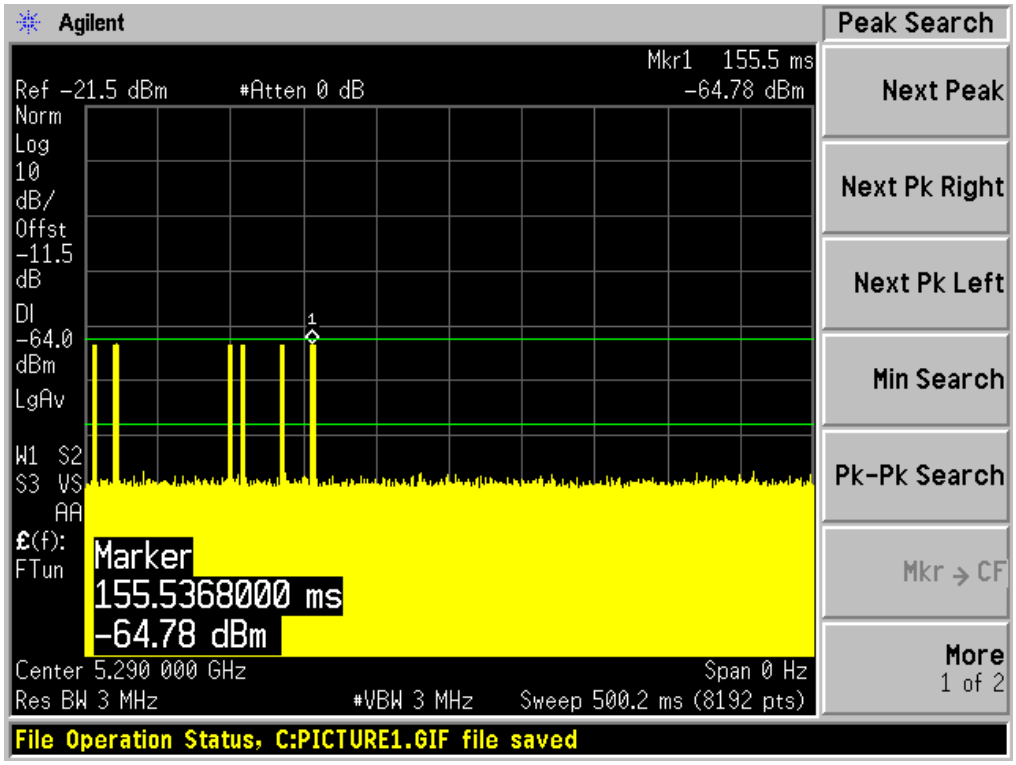
Radar Type 5 Case 2



Radar Type 5 Case 3



Radar Type 6



4.2 Channel Availability Check Time (CAC)

4.2.1 Test Procedure

1) Channel Availability Check Time (CAC)

2) With link established on channel, apply a radar signal within 0~6 seconds after the initial power-up period; monitor the transmissions on channel from the spectrum analyzer.

3) Reboot EUT, with a link established on channel, apply a radar signal within 54~60 seconds after the initial power-up period, and monitor the transmission on channel from the spectrum analyzer.

4.2.2 EUT Initial power-up Cycle Time

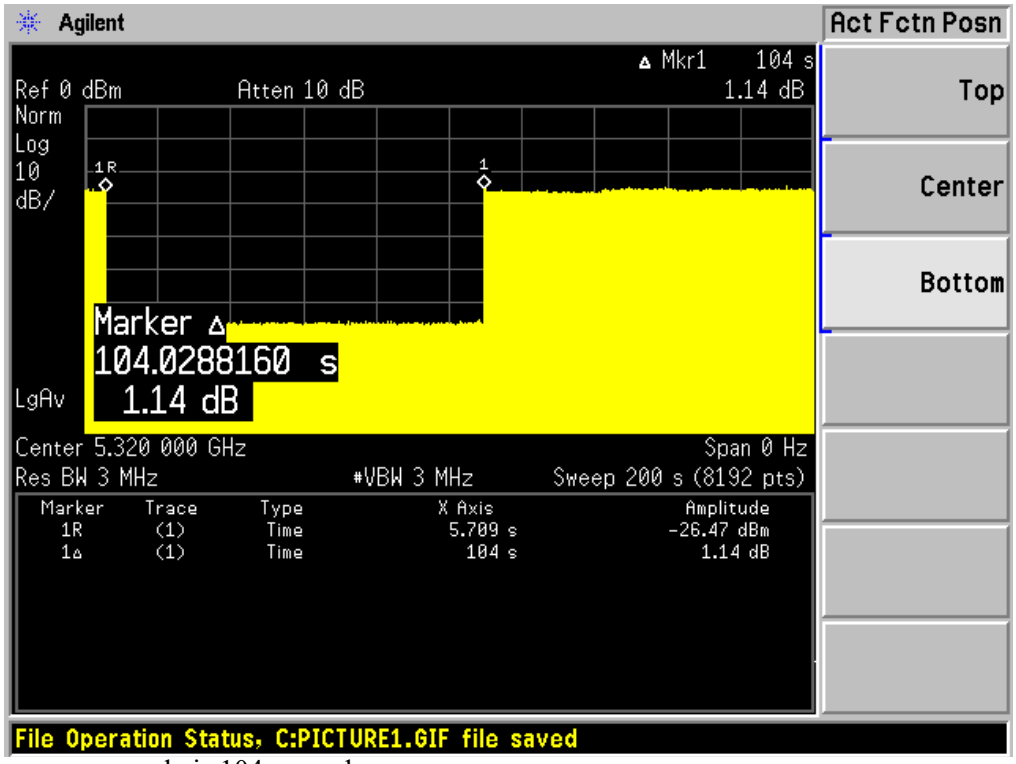
Test Frequency (MHz)	EUT initial Power-up cycle (Second)
5320	104

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

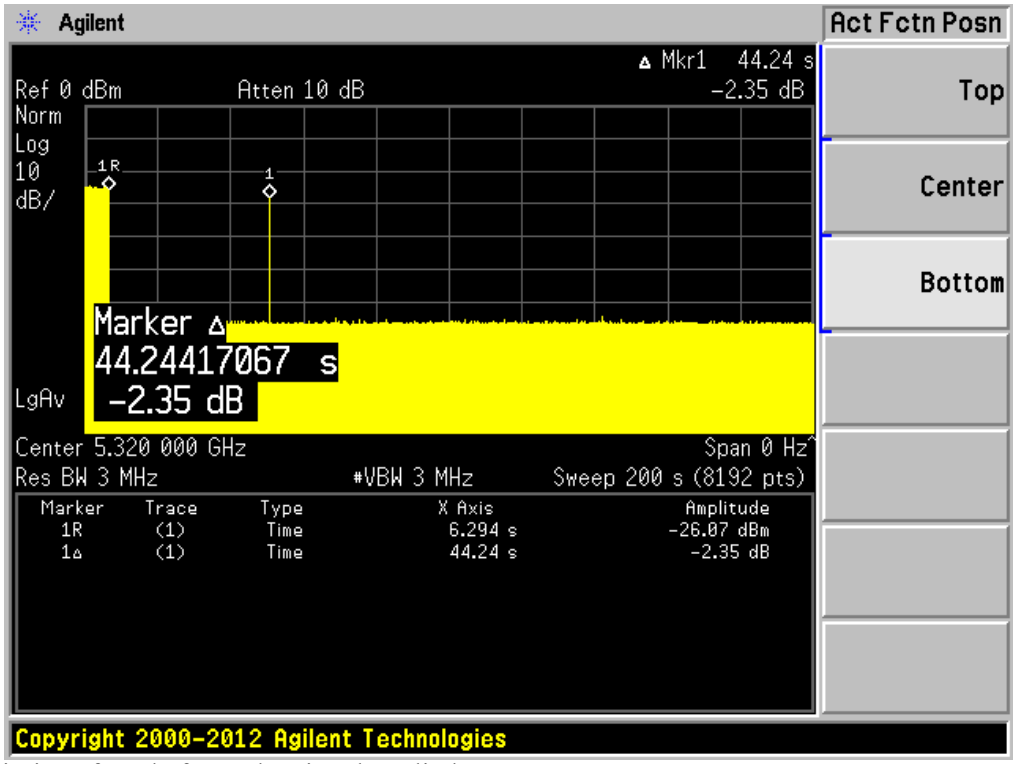
Please refer to the following plots.

Plot of without Radar signal applied



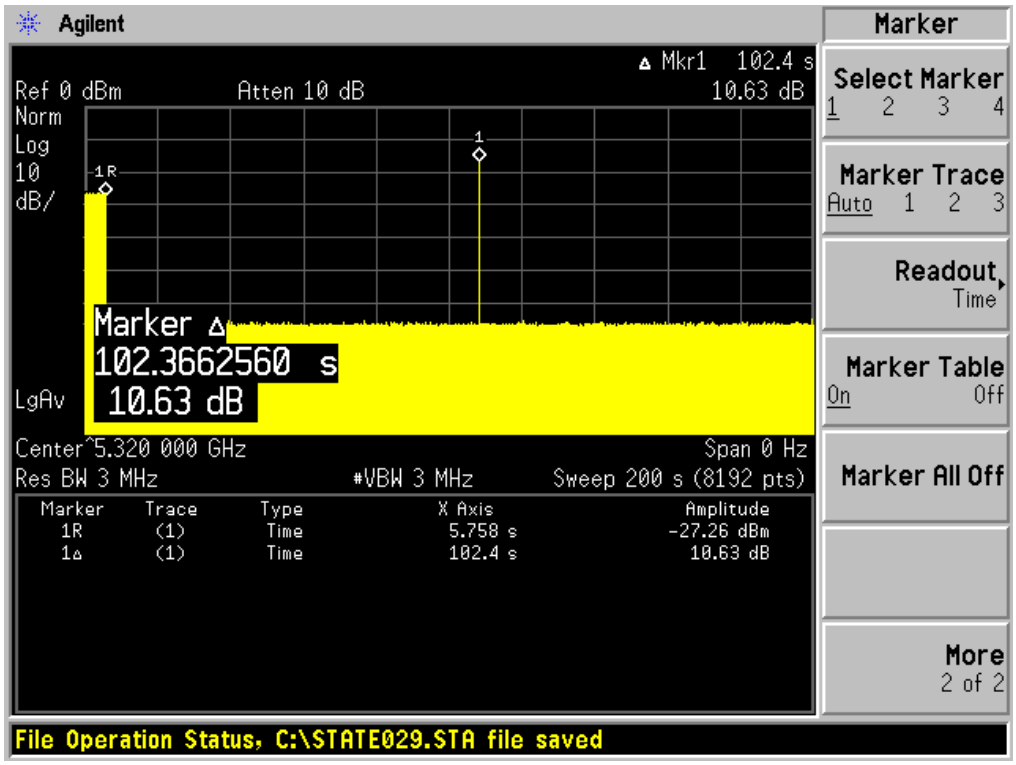
Note: The power-up cycle is 104 seconds.

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:

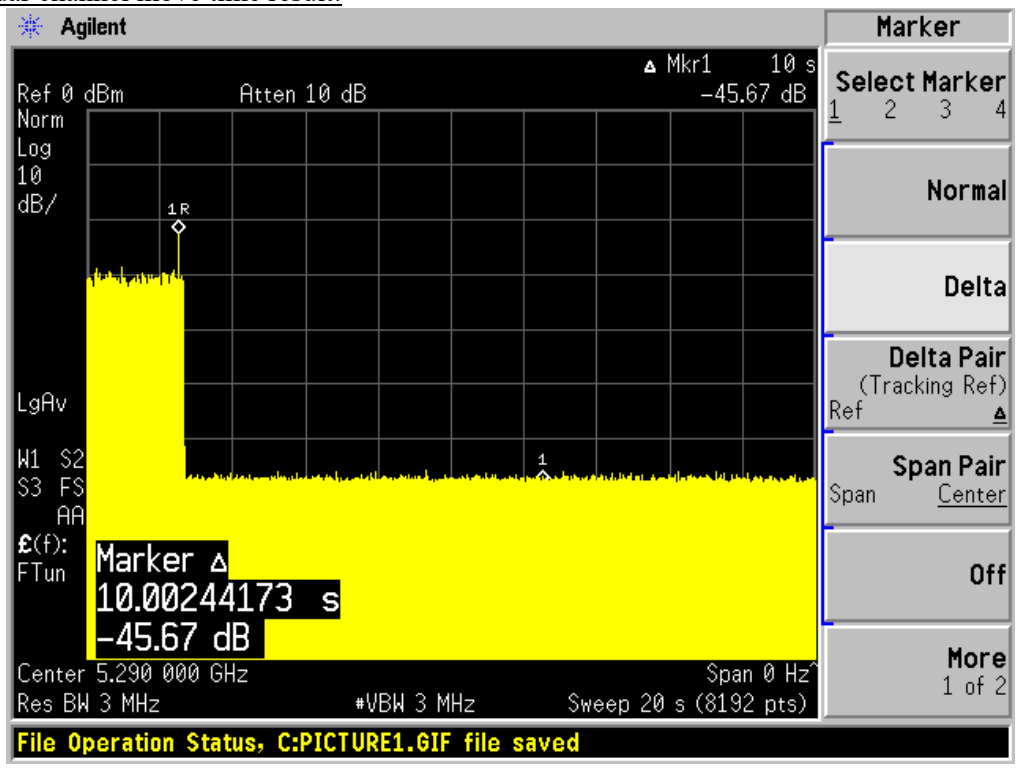
Type 0 radar channel move time result:

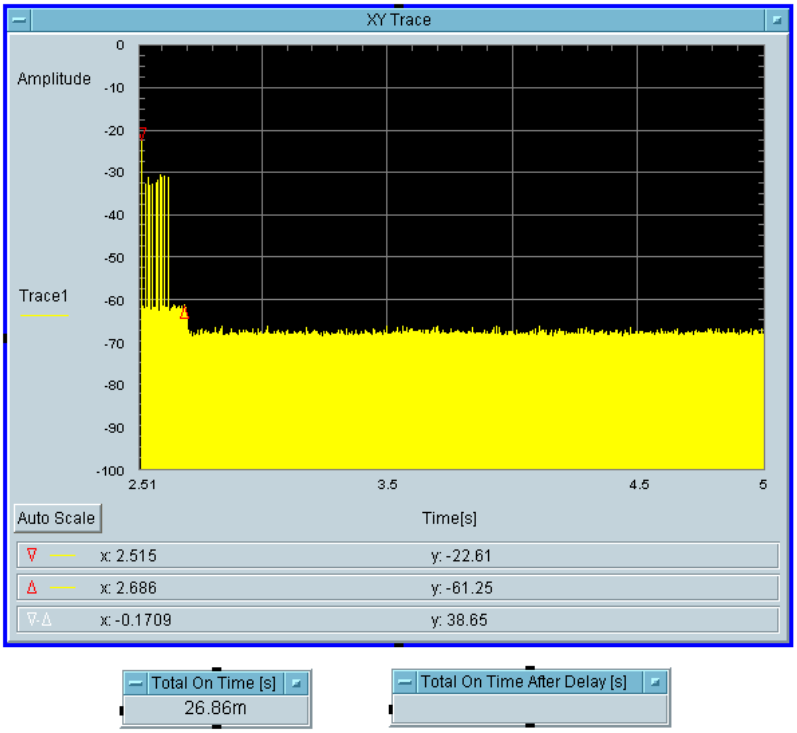
Channel Move Time (s)	Channel Move Time Limit (s)	Result
0.002684	10	Pass

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	0	60	Pass

Type 0 radar channel move time result:





4.4 Non-occupancy Period

4.4.1 Test Procedure

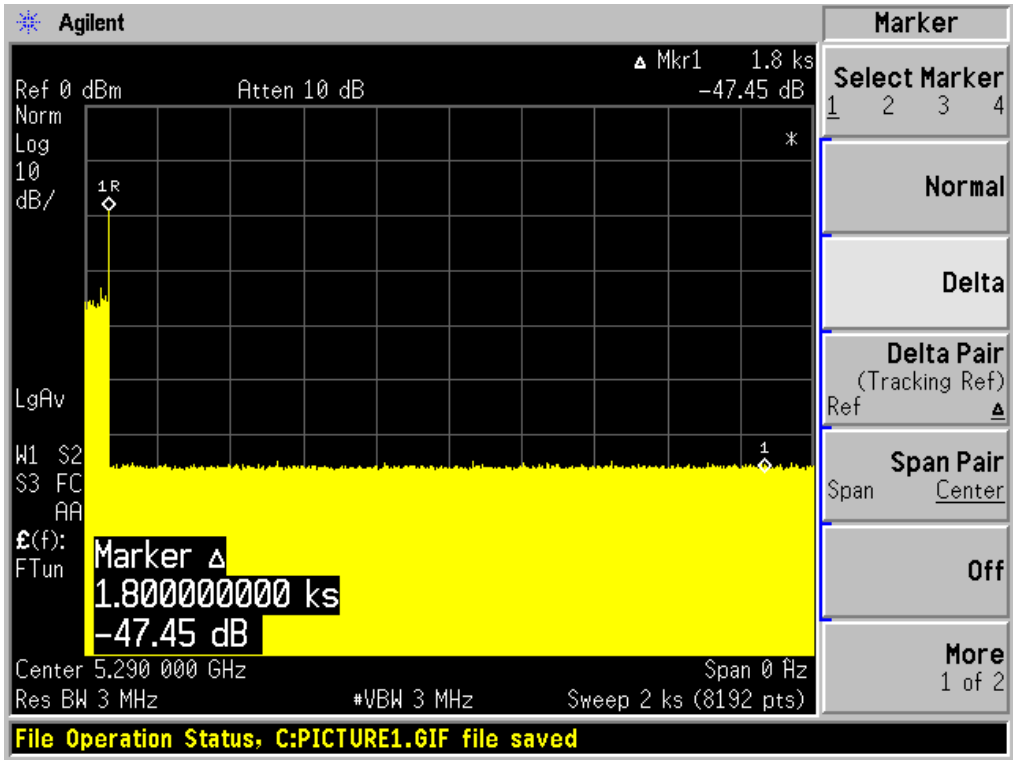
Measure the EUT for more than 30 minutes following the channel close/move time to very that the EUT does not resume any transmissions on this channel. Provide one plot to demonstrate no transmission on the channel for the non-occupancy period (30 minutes observation time)

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-NII Detection Bandwidth = $F_H - F_L$

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

4.5.2 Test Result

Frequency (MHz)	Bandwidth Systems (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Minimum Limit	Result
5320	20	5310	5330	20	19.162	100%	Compliance
5310	40	5290	5330	40	37.884	100%	Compliance
5290	80	5250	5330	80	76.966	100%	Compliance
5250	160	5250	5330	80	155.848[Note]	100%	Compliance

Note:**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 (%)**
5310(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5311	1	1	1	1	1	1	1	1	1	1	100 %
5312	1	1	1	1	1	1	1	1	1	1	100 %
5313	1	1	1	1	1	1	1	1	1	1	100 %
5314	1	1	1	1	1	1	1	1	1	1	100 %
5315	1	1	1	1	1	1	1	1	1	1	100 %
5320	1	1	1	1	1	1	1	1	1	1	100 %
5325	1	1	1	1	1	1	1	1	1	1	100 %
5326	1	1	1	1	1	1	1	1	1	1	100 %
5327	1	1	1	1	1	1	1	1	1	1	100 %
5328	1	1	1	1	1	1	1	1	1	1	100 %
5329	1	1	1	1	1	1	1	1	1	1	100 %
5330(F_H)	1	1	1	0	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$ = 5330-5310 = 20MHz											
EUT 99% BW = 19.162 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 (%)**
5290(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5291	1	1	1	1	1	1	1	1	1	1	100 %
5292	1	1	1	1	1	1	1	1	1	1	100 %
5293	1	1	1	1	1	1	1	1	1	1	100 %
5294	1	1	1	1	1	1	1	1	1	1	100 %
5295	1	1	1	1	1	1	1	1	1	1	100 %
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 %
5326	1	1	1	1	1	1	1	1	1	1	100 %
5327	1	1	1	1	1	1	1	1	1	1	100 %
5328	1	1	1	1	1	1	1	1	0	1	90 %
5329	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 %
Detection Bandwidth = $F_H - F_L$ =5330-5290 =40 MHz											
EUT 99% BW = 37.884MHz; **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 %
5251	1	1	1	1	1	1	1	1	1	1	100 %
5252	1	1	1	1	1	1	1	1	1	1	100 %
5253	1	1	1	1	1	1	1	1	1	1	100 %
5254	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
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 %
5326	1	1	1	1	1	1	1	1	1	1	100 %
5327	1	1	1	1	1	1	1	1	1	0	100 %
5328	1	1	1	1	1	1	1	1	1	1	100 %
5329	1	1	1	1	1	1	1	1	1	0	100 %
5330 **(F_H)**	1	1	1	1	1	1	1	1	1	0	100 %
Detection Bandwidth = $F_H - F_L$ =5330-5250=80 MHz											
EUT 99% BW = 76.966 MHz; **Result:** Pass											

160MHz Bandwidth, EUT Frequency = 5250 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5245	0	0	0	0	0	0	0	0	0	0	0 %
5250	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 %
5326	1	1	1	1	1	1	1	1	1	1	100 %
5327	1	1	1	1	1	1	1	1	1	1	100 %
5328	1	1	1	1	1	1	1	1	1	1	100 %
5329	1	1	1	1	1	1	1	1	1	1	100 %
5330 **(F_H)**	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$ =5330-5250=80 MHz											
EUT 99% BW = 155.848 MHz (**Detection Bandwidth** Covered all bandwidth fall into 5250-5350 MHz) **Result:** Pass											

4.6 STATISTICAL PERFORMANCE CHECK

4.6.1 Procedure:

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

a) One frequency will be chosen from the *Operating Channels* of the UUT within the 5250-5350 MHz or 5470-5725 MHz bands.
b) In case the UUT is a U-NII device operating as a Client Device (with or without Radar Detection), a U-NII device operating as a Master Device will be used to allow the UUT (Client device) to Associate with the Master Device. In case the UUT is a Master Device, a U-NII device operating as a Client Device will be used and it is assumed that the Client will Associate with the UUT (Master). In both cases for conducted tests, the Radar Waveform generator will be connected to the Master Device. For radiated tests, the emissions of the Radar Waveform generator will be directed towards the Master Device. If the Master Device has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing.
c) Stream the channel loading test file from the *Master Device* to the Client Device on the test *Channel* for the entire period of the test.
d) At time T_0 the *Radar Waveform* generator sends the individual waveform for each of the Radar Types 1- 6 in **Tables 5-7**, at levels defined in **Table 3**, on the *Operating Channel*. An additional 1 dB is added to the radar test signal to ensure it is at or above the *DFS Detection Threshold*, accounting for equipment variations/errors.
e) Observe the transmissions of the UUT at the end of the Burst on the *Operating Channel* for duration greater than 10 seconds for Radar Type 0 to ensure detection occurs.
f) Observe the transmissions of the UUT at the end of the Burst on the *Operating Channel* for duration greater than 22 seconds for Long Pulse Radar Type 5 to ensure detection occurs.
g) In case the UUT is a U-NII device operating as a *Client Device* with *In-Service Monitoring*, perform steps a) to f).

4.6.2 Result:

160MHz(Radar Signal is 5290MHz)

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A	15	100%	60%	pass
Type 1B	15	93.3%	60%	pass
Type 2	30	96.7%	60%	Pass
Type 3	30	83.3%	60%	Pass
Type 4	30	76.7 %	60%	Pass
Aggregate(Type1 to 4)	120	88.3 %	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	95	1	558	1
2	5290	67	1	798	1
3	5290	76	1	698	1
4	5290	70	1	758	1
5	5290	72	1	738	1
6	5290	63	1	838	1
7	5290	59	1	898	1
8	5290	81	1	658	1
9	5290	65	1	818	1
10	5290	83	1	638	1
11	5290	78	1	678	1
12	5290	86	1	618	1
13	5290	68	1	778	1
14	5290	62	1	858	1
15	5290	95	1	558	1
Detection Percentage: 100% (>60%)					

Radar Type 1B Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	21	1	2551	1
2	5290	27	1	2007	1
3	5290	87	1	610	0
4	5290	23	1	2340	1
5	5290	27	1	1978	1
6	5290	20	1	2654	1
7	5290	49	1	1094	1
8	5290	64	1	835	1
9	5290	45	1	1193	1
10	5290	23	1	2309	1
11	5290	32	1	1665	1
12	5290	21	1	2603	1
13	5290	23	1	2375	1
14	5290	47	1	1147	1
15	5290	22	1	2413	1
Detection Percentage: 93.3 % (>60%)					

Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	26	2.1	216	1
2	5290	25	4.9	207	1
3	5290	28	2.7	226	1
4	5290	28	4.7	220	1
5	5290	28	4.2	216	1
6	5290	28	1.5	159	1
7	5290	28	3.4	213	1
8	5290	24	3.5	216	1
9	5290	27	1.6	229	1
10	5290	25	1	184	1
11	5290	24	2.6	212	1
12	5290	24	1	195	0
13	5290	26	4	167	1
14	5290	26	3.8	161	1
15	5290	25	4.7	216	1
16	5290	26	2.6	215	1
17	5290	23	1.4	186	1
18	5290	26	2	197	1
19	5290	28	5	186	1
20	5290	27	4.4	218	1
21	5290	23	5	186	1
22	5290	29	3.1	210	1
23	5290	24	3.1	222	1
24	5290	28	1.6	163	1
25	5290	24	2	167	1
26	5290	26	1.4	219	1
27	5290	27	1.4	177	1
28	5290	29	4.8	170	1
29	5290	26	3.6	167	1
30	5290	28	3.1	169	1
Detection Percentage: 96.7 % (>60%)					

Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	17	8.4	286	1
2	5290	16	9	496	0
3	5290	17	9.8	303	1
4	5290	18	7.8	440	1
5	5290	18	7.3	375	1
6	5290	18	6.6	311	1
7	5290	17	7.6	439	1
8	5290	17	9.6	435	1
9	5290	16	6.1	445	1
10	5290	16	6.8	350	1
11	5290	17	7.8	308	1
12	5290	17	6.7	493	1
13	5290	18	6	346	1
14	5290	16	6.3	216	0
15	5290	17	7.5	472	1
16	5290	18	9.2	329	1
17	5290	17	8.8	223	0
18	5290	17	6.6	339	1
19	5290	17	9.3	310	1
20	5290	18	9.2	355	1
21	5290	16	10	259	1
22	5290	17	8.7	284	0
23	5290	18	9.4	316	1
24	5290	17	9.5	296	1
25	5290	17	7.7	265	1
26	5290	16	6.7	305	1
27	5290	16	6.4	289	1
28	5290	17	7	428	1
29	5290	18	8	426	1
30	5290	17	8.9	216	0
Detection Percentage: 83.3% (>60%)					

Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	15	17.6	287	1
2	5290	14	12.7	205	0
3	5290	16	13.3	436	1
4	5290	12	19.8	229	1
5	5290	13	19.4	329	1
6	5290	12	13.8	367	0
7	5290	16	13.3	349	0
8	5290	16	13	472	1
9	5290	12	16.6	341	1
10	5290	13	15	247	0
11	5290	14	18	269	1
12	5290	12	15.9	284	1
13	5290	16	12.3	292	1
14	5290	15	14	274	1
15	5290	13	16	478	1
16	5290	15	15.8	397	0
17	5290	16	16.1	438	1
18	5290	12	19.4	238	1
19	5290	12	11.9	484	1
20	5290	16	15.3	474	1
21	5290	14	14.7	260	1
22	5290	13	19.8	419	0
23	5290	13	17.7	204	0
24	5290	16	17.7	491	1
25	5290	14	13.7	451	1
26	5290	14	19.1	321	1
27	5290	16	16.2	469	1
28	5290	16	16.9	268	1
29	5290	12	11	437	1
30	5290	16	15.4	460	1
Detection Percentage: 76.7 % (>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	3	6	81.4	1973	1904	0.769015	
1	2	6	70.5	1217		1.524579	
2	3	6	80.6	1790	1825	2.06835	
3	2	6	68	1530		2.428887	
4	1	6	64.8			3.504507	
5	2	6	90.1	1187		4.618533	
6	3	6	71.5	1423	1843	4.864238	
7	2	6	52.8	1702		6.316581	1
8	1	6	74.2			6.676434	
9	3	6	98.6	1663	1497	7.404939	
10	2	6	66.7	1871		8.708392	
11	2	6	98	1121		9.165989	
12	1	6	90.7			9.631617	
13	2	6	82.5	1053		10.52793	
14	2	6	90.2	1633		11.40906	

Statistics 2 (ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	11	93	1310		0.381757	
1	1	11	85.6			1.021541	
2	1	11	57.2			1.754881	
3	3	11	99.3	1487	1504	2.214974	
4	2	11	98.5	1264		2.582052	
5	2	11	97.7	1862		3.01916	
6	2	11	65.2	1394		4.034393	
7	2	11	68	1926		4.655	
8	2	11	75.3	1967		4.904053	
9	2	11	68.2	1230		5.663259	
10	3	11	73.6	1584	1512	6.321925	1
11	1	11	54			7.036436	
12	2	11	79.7	1109		7.664919	
13	1	11	83.3			7.980973	
14	1	11	89.5			8.44565	
15	3	11	94.8	1782	1972	9.011371	
16	1	11	57.6			9.920645	
17	1	11	88.6			10.67018	
18	2	11	54.9	1193		10.91063	
19	2	11	93.9	1155		11.77493	

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	2	5	55.9	1562		0.797818	1
1	2	5	74.3	1268		1.143617	
2	2	5	94	1092		2.06765	
3	1	5	69.4			2.664528	
4	2	5	63.6	1036		3.91563	
5	3	5	62	1821	1414	4.443247	
6	3	5	71.8	1531	1135	5.36607	
7	2	5	59.3	1366		6.116616	
8	1	5	90.2			6.888627	
9	2	5	90.9	1818		8.115549	
10	1	5	58.9			8.654475	
11	2	5	69	1434		9.951833	
12	2	5	75.1	1555		10.93443	
13	3	5	72.4	1713	1566	11.27871	

Statistics 4 (ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	16	98	1898		0.011826	1
1	2	16	70.4	1294		1.292648	
2	1	16	75.3			2.051776	
3	3	16	72.3	1883	1976	3.248103	
4	1	16	98.2			3.483623	
5	2	16	97.2	1438		4.855097	
6	1	16	57.9			5.412283	
7	2	16	62.9	1640		6.542764	
8	2	16	50	1518		7.010652	
9	2	16	67.8	1543		8.059936	
10	2	16	50.1	1536		9.323837	
11	2	16	65.4	1254		9.854035	
12	1	16	55.5			11.07983	
13	2	16	80.7	1811		11.58366	

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	11	56.8			0.346561	
1	2	11	56.1	1695		1.471885	
2	3	11	84.2	1131	1605	2.033492	
3	2	11	65.6	1003		3.240185	
4	1	11	73.1			4.59077	
5	2	11	77.3	1800		5.390633	
6	3	11	60.8	1568	1133	6.206205	1
7	2	11	85	1945		7.206697	
8	3	11	96.1	1605	1880	8.064713	
9	1	11	99.4			9.010534	
10	3	11	64.9	1592	1737	9.778136	
11	1	11	90.9			10.20987	
12	2	11	51.8	1233		11.50345	

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	2	15	76.8	1576		0.163627	
1	2	15	81.2	1587		1.700503	
2	2	15	74.7	1074		2.797729	
3	3	15	83	1077	1605	3.578389	
4	2	15	92.6	1454		4.64695	
5	1	15	57.2			6.11319	1
6	1	15	92.2			7.561877	
7	1	15	84.3			8.329175	
8	2	15	96.2	1598		8.747822	
9	3	15	84.9	1658	1576	9.913728	
10	3	15	88.3	1175	1714	11.0248	

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	8	75.5	1558		0.15815	1
1	1	8	60			2.010867	
2	2	8	90.2	1293		3.504366	
3	1	8	64			4.510827	
4	2	8	76.7	1590		5.578223	
5	2	8	99.7	1835		7.018069	
6	1	8	54			8.008053	
7	1	8	57.2			9.388486	
8	3	8	55.5	1097	1386	10.5809	
9	2	8	55.2	1638		11.28784	

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	3	7	67.4	1385	1302	0.180351	1
1	1	7	61.6			1.121844	
2	2	7	83.5	1279		1.351823	
3	2	7	80.1	1684		2.264379	
4	1	7	86.8			3.185486	
5	2	7	79.6	1300		3.915692	
6	3	7	75.2	1232	1738	4.422892	
7	1	7	85			5.221871	
8	3	7	96.4	1277	1086	5.612162	
9	1	7	75.5			6.224348	
10	3	7	84.9	1335	1781	7.212663	
11	2	7	77.7	1752		7.930766	
12	2	7	64.7	1692		8.028418	
13	2	7	61.5	1063		9.273205	
14	2	7	85.5	1666		9.904586	
15	3	7	55.1	1189	1744	10.05131	
16	2	7	84.5	1825		10.87464	
17	2	7	58.6	1785		11.60465	

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	6	53.6	1232	1933	0.254541	
1	3	6	92.8	1169	1846	1.4685	
2	2	6	54.7	1155		2.182254	
3	2	6	73.2	1325		4.230739	
4	3	6	66.9	1178	1142	4.798882	
5	2	6	65.3	1132		6.1541	1
6	3	6	96.4	1613	1392	6.926265	
7	1	6	65.6			8.033595	
8	2	6	69.8	1794		9.17584	
9	2	6	53.3	1510		10.44095	
10	2	6	81.8	1427		11.36009	

Statistics 10 (ChirpCenter Frequency: 5290MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	6	51.6	1334		0.266552	
1	3	6	90.4	1901	1966	1.054347	
2	2	6	58.7	1050		2.257827	
3	2	6	53.2	1140		3.146475	
4	2	6	72.2	1264		3.984122	
5	2	6	74.3	1235		4.733709	
6	2	6	57.3	1685		4.839023	
7	3	6	79.4	1790	1034	5.796977	1
8	1	6	95.7			6.983749	
9	1	6	62.3			7.872234	
10	2	6	71.3	1169		8.105782	
11	2	6	96.3	1973		9.455145	
12	3	6	51.5	1439	1672	10.36891	
13	3	6	72.7	1881	1284	11.08416	
14	3	6	55.2	1862	1680	11.43249	

Radar Type 5 Case 2 Statistical Performance

Statistics 1 (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	2	12	50.2	1379		0.097689	1
1	3	12	80.3	1043	1931	1.667006	
2	2	12	84	1109		2.52333	
3	2	12	94.2	1434		3.311012	
4	2	12	55.5	1638		4.971371	
5	3	12	85.7	1251	1315	5.243561	
6	1	12	90.8			6.714586	
7	2	12	94.4	1151		7.728058	
8	3	12	84.3	1573	1088	8.049256	
9	1	12	100			9.012593	
10	3	12	74.9	1294	1982	10.18299	
11	1	12	70			11.5553	

Statistics 2 (ChirpCenter Frequency: 5254.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	10	52.4	1406		0.148481	1
1	3	10	59.7	1348	1091	1.110106	
2	2	10	95.2	1641		1.738797	
3	2	10	73.4	1672		1.994928	
4	2	10	67.3	1255		2.939323	
5	2	10	86.2	1684		3.649317	
6	2	10	78.7	1067		4.383658	
7	1	10	61.6			4.591681	
8	1	10	70.2			5.542273	
9	3	10	79.2	1573	1860	6.181282	
10	2	10	79.7	1436		6.386926	
11	2	10	87.1	1652		7.352563	
12	3	10	92.5	1864	1266	7.883034	
13	2	10	76.7	1445		8.253918	
14	3	10	92.5	1340	1706	9.103038	
15	2	10	80.9	1771		9.958757	
16	2	10	88.3	1375		10.40877	
17	2	10	66.8	1278		11.08267	
18	1	10	65.2			11.44839	

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	82	1093	1512	0.174445	
1	3	16	70.1	1846	1537	0.800923	
2	3	16	57.7	1756	1289	1.697407	
3	3	16	75.9	1125	1396	2.35716	
4	2	16	92.6	1763		2.813797	
5	1	16	94.3			3.131097	
6	2	16	72.1	1552		3.759871	
7	3	16	51.6	1489	1346	4.560966	
8	2	16	59.2	1729		5.339064	
9	1	16	69.8			5.904096	1
10	2	16	60.8	1116		6.013689	
11	2	16	75.2	1577		6.806954	
12	2	16	71.9	1391		7.548807	
13	2	16	89.9	1565		8.108882	
14	2	16	84.3	1390		8.429015	
15	2	16	91.6	1363		9.520478	
16	2	16	87.1	1237		9.841005	
17	3	16	89.5	1535	1523	10.55418	
18	3	16	90.6	1323	1478	10.87427	

Statistics 4 (ChirpCenter Frequency: 5257.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	18	96.4	1201	1012	0.201837	
1	2	18	56.4	1742		2.117662	
2	2	18	67.6	1112		2.753243	
3	1	18	90.7			4.062955	
4	1	18	82.4			4.991461	
5	1	18	86.8			6.201653	1
6	2	18	62	1856		7.24421	
7	3	18	60.6	1156	1872	8.210259	
8	1	18	86.3			8.995796	
9	3	18	76.1	1579	1770	10.38064	
10	2	18	62.8	1266		11.91915	

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	2	13	73.3	1001		0.306656	
1	1	13	68.7			1.089211	
2	2	13	95.9	1729		1.718425	
3	1	13	88.7			2.350687	
4	1	13	77.9			2.714794	
5	2	13	67.4	1565		3.179837	
6	2	13	93.9	1275		4.267551	
7	1	13	88.8			4.776967	
8	2	13	65.5	1091		5.548891	
9	3	13	70.3	1408	1274	6.111067	1
10	2	13	62.7	1994		6.431533	
11	1	13	94.8			6.987821	
12	1	13	58			7.916609	
13	2	13	52.6	1081		8.647866	
14	2	13	55.7	1558		8.912099	
15	3	13	51.8	1363	1502	9.935977	
16	1	13	82.1			10.173217	
17	2	13	85.5	1288		11.031917	
18	2	13	65.6	1129		11.984414	

Statistics 6 (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	3	13	94.6	1036	1695	0.180198	
1	2	13	63.4	1500		2.109526	
2	2	13	70.9	1439		3.228933	
3	3	13	92.1	1864	1677	4.195308	
4	2	13	71.5	1531		5.361434	
5	3	13	90.3	1002	1388	6.441713	1
6	2	13	82.8	1787		7.343823	
7	2	13	72.8	1308		8.416857	
8	2	13	65.6	1661		10.040147	
9	2	13	71	1172		11.770738	

Statistics 7 (ChirpCenter Frequency: 5253.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	7	78.4			0.056028	
1	2	7	80.3	1097		1.289149	
2	1	7	67.3			1.984044	
3	2	7	73.6	1046		3.190971	
4	2	7	61.3	1774		3.753999	
5	2	7	75.9	1793		4.783586	
6	1	7	53			6.307149	1
7	3	7	86.5	1456	1569	7.221382	
8	3	7	84.7	1517	1802	8.169424	
9	3	7	62.1	1927	1161	8.878196	
10	2	7	66.9	1931		9.735685	
11	1	7	60.3			10.263291	
12	2	7	53	1227		11.273772	

Statistics 8 (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	1	18	88.8			0.971302	
1	2	18	72.1	1203		1.853166	
2	2	18	57.5	1713		2.983819	
3	1	18	57.7			4.29569	
4	1	18	95.5			5.149696	
5	3	18	52	1795	1531	6.881036	1
6	2	18	99.3	1047		7.260648	
7	2	18	95.5	1277		9.342087	
8	2	18	84.1	1765		10.147968	
9	2	18	65.9	1700		11.594751	

Statistics 9 (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	13	89.4	1265	1886	0.0298	1
1	2	13	78.3	1615		1.002857	
2	1	13	66.2			2.089707	
3	1	13	67.2			2.892908	
4	2	13	59.8	1862		3.617961	
5	2	13	67.5	1106		3.792707	
6	2	13	52.6	1473		5.237835	
7	2	13	72.7	1132		5.848344	
8	2	13	89	1330		6.15148	
9	1	13	97.2			7.339144	
10	2	13	66.1	1827		8.20538	
11	2	13	66.2	1371		8.97799	
12	3	13	76.3	1081	1909	9.659512	
13	2	13	70.5	1042		10.106463	
14	3	13	64.1	1093	1278	10.920594	
15	2	13	95.9	1915		11.474104	

Statistics 10 (ChirpCenter Frequency: 5258.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(µS)	Pulse 2-3 spacing(µS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	19	65.4	1783		0.517513	1
1	3	19	95.7	1632	1032	0.843314	
2	2	19	95.7	1893		1.886366	
3	2	19	59.8	1213		2.614298	
4	2	19	67.7	1829		3.51941	
5	2	19	66.8	1392		3.785344	
6	3	19	59.9	1917	1527	4.296659	
7	1	19	94.2			5.436723	
8	1	19	69.2			5.798456	
9	3	19	79.8	1104	1060	6.92879	
10	2	19	72.8	1504		7.313241	
11	2	19	51.7	1577		7.90949	
12	3	19	87.9	1644	1505	8.608828	
13	3	19	67.5	1295	1770	9.348567	
14	3	19	59.7	1335	1608	9.884286	
15	2	19	89.3	1335		10.760171	
16	1	19	60.1			11.471407	

Radar Type 5 Case 3 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5325.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	7	62.2	1133		1.219262	
1	2	7	66.3	1020		2.127577	
2	3	7	94.3	1847	1372	3.785494	
3	1	7	87.2			4.615531	
4	2	7	55.4	1402		6.452993	1
5	1	7	73.2			7.891664	
6	2	7	73.4	1349		8.97386	
7	1	7	59.4			9.381375	
8	3	7	71.1	1931	1913	11.418081	

Statistics 2 (ChirpCenter Frequency: 5324.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	9	91.9	1776	1960	0.607029	
1	1	9	63			0.937956	
2	2	9	82	1342		1.465276	
3	1	9	52.2			2.213273	
4	2	9	95.1	1997		2.592177	
5	1	9	62.9			3.561776	
6	2	9	84.2	1918		4.365941	
7	2	9	74.3	1899		4.640423	
8	1	9	97.5			5.515964	
9	2	9	76.8	1735		5.974521	1
10	1	9	95.4			6.618444	
11	2	9	95.3	1415		7.092364	
12	2	9	68.5	1659		8.125927	
13	2	9	83.1	1639		8.262679	
14	2	9	50.4	1665		9.159665	
15	2	9	60.6	1422		9.573684	
16	2	9	92.8	1230		10.70138	
17	2	9	57.8	1956		11.068642	
18	3	9	89.4	1737	1454	11.75166	

Statistics 3 (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	7	58.1	1972		0.806064	
1	1	7	82.9			1.621605	
2	2	7	83.9	1562		2.709422	
3	1	7	57.7			3.712256	
4	2	7	97.1	1491		4.622881	
5	3	7	98.4	1921	1403	5.482337	1
6	3	7	94.2	1371	1346	6.900518	
7	1	7	55.8			8.707679	
8	1	7	78.3			8.999469	
9	2	7	90.9	1111		10.381097	
10	2	7	54.3	1110		11.534063	

Statistics 4 (ChirpCenter Frequency: 5324.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	11	56.4	1794	1169	0.914414	
1	3	11	74.5	1527	1981	1.118734	
2	2	11	58.4	1849		2.426249	
3	2	11	54.3	1726		3.396989	
4	2	11	75.5	1763		5.072218	
5	1	11	79.2			5.590052	1
6	2	11	98.8	1890		6.956209	
7	3	11	56.9	1719	1090	8.401892	
8	2	11	59.4	1223		9.352441	
9	2	11	72.4	1610		10.478601	
10	1	11	97			11.53867	

Statistics 5 (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	3	8	85.3	1815	1188	0.504688	1
1	3	8	64.4	1717	1684	2.548682	
2	2	8	88.8	1708		3.460402	
3	2	8	65.7	1060		5.120821	
4	2	8	69.9	1850		5.957948	
5	2	8	97	1583		7.770658	
6	1	8	55.1			8.700477	
7	3	8	72.4	1047	1035	10.110756	
8	3	8	76.6	1150	1065	10.796446	

Statistics 6 (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	5	53.1	1320		0.745707	1
1	1	5	82.5			1.348519	
2	1	5	86.6			2.146514	
3	1	5	97.8			2.673567	
4	2	5	95.7	1301		3.573852	
5	3	5	90.6	1954	1191	5.112316	
6	2	5	94.5	1794		5.535717	
7	1	5	93.9			6.695645	
8	1	5	64.4			7.566797	
9	2	5	58.4	1743		8.516439	
10	3	5	53.9	1285	1744	8.696759	
11	1	5	83.2			10.015874	
12	3	5	96.4	1784	1140	10.535078	
13	1	5	98.5			11.36135	

Statistics 7 (ChirpCenter Frequency: 5323.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	13	64.4	1832		0.022156	1
1	2	13	88.6	1337		1.234508	
2	2	13	92.4	1732		2.228548	
3	3	13	68.7	1889	1547	3.770197	
4	3	13	66.3	1754	1504	4.861432	
5	1	13	85			5.090634	
6	2	13	90.4	1764		6.032022	
7	3	13	56.9	1739	1258	7.253774	
8	1	13	53.5			8.270886	
9	2	13	85.1	1181		9.416429	
10	3	13	76	1848	1266	10.646882	
11	3	13	80.1	1782	1560	11.687228	

Statistics 8 (ChirpCenter Frequency: 5324.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	11	52.1	1974	1639	0.833186	1
1	2	11	54	1123		0.940688	
2	1	11	81.7			2.517584	
3	3	11	93.8	1911	1300	3.324257	
4	2	11	68.1	1947		4.366624	
5	2	11	94.1	1136		5.224093	
6	2	11	96.4	1392		6.089253	
7	3	11	94.9	1977	1674	7.078815	
8	3	11	84.7	1377	1638	8.243993	
9	1	11	85			8.829313	
10	2	11	69.4	1969		9.908699	
11	2	11	54.9	1172		10.890716	
12	3	11	79.1	1256	1042	11.826144	

Statistics 9 (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	5	52.3	1396	1194	0.517691	
1	3	5	54	1901	1498	0.771392	
2	3	5	67.5	1744	1281	1.876532	
3	1	5	79.9			2.146121	
4	2	5	96.9	1681		3.407083	
5	3	5	56	1990	1906	3.851315	
6	2	5	68.4	1827		4.518518	
7	1	5	66.3			5.580811	
8	2	5	95.7	1050		5.697469	1
9	2	5	76.2	1295		6.921498	
10	2	5	93.2	1521		7.566043	
11	3	5	93.2	1403	1596	7.903712	
12	1	5	70.8			8.614082	
13	3	5	80.6	1810	1408	9.488703	
14	2	5	76.4	1026		10.535164	
15	2	5	62	1188		11.125439	
16	3	5	81.1	1263	1335	11.548719	

Statistics 10 (ChirpCenter Frequency: 5324.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	11	64.9	1394		0.538769	
1	1	11	55.1			1.099365	
2	1	11	87.8			1.953801	
3	3	11	98.4	1567	1865	2.392525	
4	2	11	60.8	1815		3.286896	
5	3	11	78.8	1848	1685	3.729017	
6	3	11	90.2	1411	1226	4.270788	
7	1	11	87.9			4.71848	
8	2	11	66.6	1449		5.37012	
9	1	11	89.3			6.580669	1
10	2	11	84.7	1875		6.690069	
11	1	11	80			7.940753	
12	3	11	50.3	1397	1392	8.093138	
13	3	11	60.9	1404	1328	8.869133	
14	3	11	90	1369	1989	9.735297	
15	1	11	89.8			10.237443	
16	1	11	84.9			11.102438	
17	1	11	73.4			11.377665	

Statistics 11 (ChirpCenter Frequency: 5324.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	11	86.7	1138		0.606444	
1	1	11	87.7			0.884662	
2	2	11	50.3	1762		1.996992	
3	1	11	92.8			2.182425	
4	2	11	71.9	1269		2.883381	
5	2	11	93.9	1542		4.137329	
6	2	11	85.3	1172		4.76619	
7	1	11	76			5.25967	
8	2	11	59.4	1854		6.086714	1
9	1	11	81.3			6.626858	
10	2	11	96.3	1458		7.089392	
11	3	11	88.4	1983	1766	7.794437	
12	2	11	57.6	1456		8.532287	
13	2	11	57.6	1581		9.633014	
14	1	11	51.6			10.185117	
15	3	11	75.8	1084	1838	10.659468	
16	2	11	54.2	1180		11.753355	

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	5675.0, 5527.0, 5706.0, 5423.0, 5525.0, 5365.0, 5500.0, 5355.0, 5463.0, 5503.0, 5434.0, 5714.0, 5705.0, 5608.0, 5393.0, 5716.0, 5300.0, 5715.0, 5340.0, 5640.0, 5399.0, 5519.0, 5345.0, 5308.0, 5484.0, 5260.0, 5279.0, 5543.0, 5689.0, 5411.0, 5417.0, 5559.0, 5366.0, 5707.0, 5560.0, 5615.0, 5291.0, 5611.0, 5657.0, 5650.0, 5508.0, 5572.0, 5557.0, 5676.0, 5419.0, 5369.0, 5263.0, 5567.0, 5563.0, 5436.0, 5599.0, 5283.0, 5495.0, 5570.0, 5310.0, 5438.0, 5532.0, 5296.0, 5307.0, 5539.0, 5614.0, 5459.0, 5510.0, 5711.0, 5255.0, 5699.0, 5466.0, 5589.0, 5482.0, 5258.0, 5445.0, 5284.0, 5412.0, 5272.0, 5534.0, 5406.0, 5429.0, 5402.0, 5683.0, 5709.0, 5348.0, 5548.0, 5273.0, 5622.0, 5446.0, 5634.0, 5328.0, 5596.0, 5431.0, 5323.0, 5317.0, 5492.0, 5382.0, 5686.0, 5343.0, 5694.0, 5318.0, 5274.0, 5497.0, 5488.0
2	5290	9	1	333	1	5550.0, 5311.0, 5454.0, 5458.0, 5576.0, 5575.0, 5366.0, 5268.0, 5582.0, 5358.0, 5613.0, 5369.0, 5564.0, 5294.0, 5467.0, 5632.0, 5383.0, 5489.0, 5267.0, 5468.0, 5474.0, 5403.0, 5479.0, 5568.0, 5558.0, 5619.0, 5491.0, 5585.0, 5527.0, 5535.0, 5442.0, 5504.0, 5342.0, 5337.0, 5434.0, 5254.0, 5696.0, 5643.0, 5641.0, 5678.0, 5608.0, 5321.0, 5378.0, 5712.0, 5703.0, 5402.0, 5560.0, 5441.0, 5379.0, 5689.0, 5346.0, 5651.0, 5395.0, 5693.0, 5390.0, 5464.0, 5280.0, 5665.0, 5661.0, 5507.0, 5649.0, 5594.0, 5335.0, 5456.0, 5477.0, 5255.0, 5435.0, 5531.0, 5593.0, 5485.0, 5275.0, 5400.0, 5324.0, 5421.0, 5381.0, 5373.0, 5273.0, 5547.0, 5272.0, 5628.0, 5296.0, 5666.0, 5600.0, 5716.0, 5698.0, 5556.0, 5592.0, 5426.0, 5551.0, 5699.0, 5711.0, 5472.0, 5543.0, 5264.0, 5626.0, 5376.0, 5428.0, 5701.0, 5669.0, 5684.0
3	5290	9	1	333	1	5319.0, 5646.0, 5332.0, 5489.0, 5331.0, 5690.0, 5636.0, 5631.0, 5649.0, 5562.0, 5584.0, 5356.0, 5554.0, 5563.0, 5333.0, 5360.0, 5595.0, 5641.0, 5363.0, 5458.0, 5315.0, 5642.0, 5372.0, 5375.0, 5452.0, 5499.0, 5374.0, 5325.0, 5443.0, 5561.0, 5505.0, 5664.0, 5615.0, 5572.0, 5596.0, 5532.0, 5533.0, 5400.0, 5703.0, 5668.0, 5459.0, 5467.0, 5711.0, 5322.0, 5705.0, 5521.0, 5306.0, 5267.0, 5506.0, 5351.0, 5712.0, 5287.0, 5475.0, 5535.0, 5488.0, 5361.0, 5539.0, 5683.0, 5673.0, 5625.0, 5276.0, 5381.0, 5341.0, 5541.0, 5529.0,

						5463.0, 5580.0, 5305.0, 5635.0, 5342.0, 5569.0, 5680.0, 5586.0, 5442.0, 5571.0, 5721.0, 5302.0, 5329.0, 5537.0, 5492.0, 5701.0, 5655.0, 5574.0, 5702.0, 5313.0, 5618.0, 5587.0, 5451.0, 5371.0, 5392.0, 5605.0, 5581.0, 5719.0, 5395.0, 5559.0, 5715.0, 5697.0, 5289.0, 5284.0, 5251.0
4	5290	9	1	333	1	5651.0, 5639.0, 5528.0, 5376.0, 5674.0, 5500.0, 5448.0, 5429.0, 5706.0, 5658.0, 5258.0, 5287.0, 5284.0, 5713.0, 5409.0, 5290.0, 5680.0, 5256.0, 5553.0, 5324.0, 5580.0, 5533.0, 5569.0, 5557.0, 5626.0, 5530.0, 5618.0, 5522.0, 5297.0, 5701.0, 5433.0, 5576.0, 5510.0, 5573.0, 5265.0, 5578.0, 5445.0, 5637.0, 5599.0, 5331.0, 5678.0, 5605.0, 5472.0, 5710.0, 5717.0, 5549.0, 5689.0, 5714.0, 5529.0, 5617.0, 5361.0, 5339.0, 5593.0, 5373.0, 5263.0, 5544.0, 5303.0, 5386.0, 5623.0, 5661.0, 5389.0, 5554.0, 5397.0, 5261.0, 5427.0, 5253.0, 5620.0, 5507.0, 5541.0, 5281.0, 5543.0, 5346.0, 5622.0, 5532.0, 5363.0, 5547.0, 5400.0, 5546.0, 5369.0, 5496.0, 5628.0, 5321.0, 5600.0, 5482.0, 5650.0, 5577.0, 5337.0, 5354.0, 5391.0, 5465.0, 5488.0, 5664.0, 5252.0, 5352.0, 5347.0, 5412.0, 5558.0, 5570.0, 5392.0, 5459.0
5	5290	9	1	333	1	5529.0, 5450.0, 5383.0, 5298.0, 5305.0, 5378.0, 5692.0, 5490.0, 5618.0, 5280.0, 5286.0, 5514.0, 5516.0, 5350.0, 5408.0, 5645.0, 5519.0, 5417.0, 5284.0, 5591.0, 5270.0, 5593.0, 5605.0, 5720.0, 5598.0, 5509.0, 5711.0, 5678.0, 5267.0, 5573.0, 5569.0, 5470.0, 5630.0, 5622.0, 5494.0, 5478.0, 5440.0, 5485.0, 5356.0, 5342.0, 5550.0, 5476.0, 5416.0, 5294.0, 5721.0, 5520.0, 5368.0, 5404.0, 5564.0, 5709.0, 5322.0, 5586.0, 5644.0, 5271.0, 5609.0, 5295.0, 5367.0, 5463.0, 5377.0, 5541.0, 5515.0, 5698.0, 5277.0, 5318.0, 5302.0, 5274.0, 5574.0, 5724.0, 5374.0, 5420.0, 5642.0, 5679.0, 5443.0, 5572.0, 5502.0, 5582.0, 5370.0, 5361.0, 5532.0, 5336.0, 5634.0, 5461.0, 5651.0, 5525.0, 5369.0, 5398.0, 5547.0, 5414.0, 5444.0, 5523.0, 5401.0, 5653.0, 5612.0, 5360.0, 5560.0, 5638.0, 5500.0, 5604.0, 5675.0, 5372.0
6	5290	9	1	333	1	5710.0, 5366.0, 5642.0, 5296.0, 5439.0, 5363.0, 5355.0, 5389.0, 5456.0, 5345.0, 5269.0, 5549.0, 5386.0, 5600.0, 5278.0, 5663.0, 5285.0, 5644.0, 5587.0, 5610.0, 5641.0, 5677.0, 5613.0, 5628.0, 5461.0, 5283.0, 5295.0, 5646.0, 5435.0, 5547.0, 5712.0, 5491.0, 5645.0, 5583.0, 5703.0, 5540.0, 5533.0, 5273.0, 5562.0, 5512.0, 5257.0, 5723.0, 5453.0, 5302.0, 5356.0, 5421.0, 5719.0, 5413.0, 5561.0, 5398.0, 5380.0, 5376.0, 5391.0, 5702.0, 5490.0, 5535.0, 5668.0, 5438.0, 5649.0, 5318.0,

						5317.0, 5580.0, 5709.0, 5441.0, 5564.0, 5653.0, 5301.0, 5425.0, 5570.0, 5525.0, 5578.0, 5503.0, 5447.0, 5385.0, 5658.0, 5529.0, 5440.0, 5300.0, 5442.0, 5352.0, 5638.0, 5267.0, 5513.0, 5625.0, 5623.0, 5524.0, 5448.0, 5554.0, 5477.0, 5667.0, 5431.0, 5414.0, 5251.0, 5469.0, 5693.0, 5279.0, 5714.0, 5661.0, 5721.0, 5419.0
7	5290	9	1	333	1	5576.0, 5324.0, 5532.0, 5496.0, 5613.0, 5411.0, 5472.0, 5700.0, 5261.0, 5468.0, 5407.0, 5374.0, 5254.0, 5512.0, 5510.0, 5422.0, 5270.0, 5326.0, 5713.0, 5580.0, 5642.0, 5456.0, 5473.0, 5276.0, 5538.0, 5547.0, 5410.0, 5646.0, 5383.0, 5396.0, 5582.0, 5566.0, 5306.0, 5466.0, 5393.0, 5579.0, 5709.0, 5624.0, 5342.0, 5318.0, 5526.0, 5597.0, 5455.0, 5438.0, 5486.0, 5669.0, 5272.0, 5685.0, 5297.0, 5561.0, 5281.0, 5395.0, 5295.0, 5515.0, 5379.0, 5556.0, 5343.0, 5255.0, 5399.0, 5392.0, 5328.0, 5628.0, 5263.0, 5698.0, 5577.0, 5418.0, 5423.0, 5506.0, 5331.0, 5323.0, 5484.0, 5661.0, 5589.0, 5341.0, 5715.0, 5321.0, 5517.0, 5625.0, 5656.0, 5415.0, 5602.0, 5361.0, 5670.0, 5451.0, 5427.0, 5694.0, 5262.0, 5267.0, 5314.0, 5653.0, 5520.0, 5712.0, 5553.0, 5400.0, 5505.0, 5289.0, 5605.0, 5621.0, 5513.0, 5565.0
8	5290	9	1	333	1	5437.0, 5711.0, 5615.0, 5395.0, 5355.0, 5690.0, 5523.0, 5282.0, 5438.0, 5689.0, 5401.0, 5270.0, 5531.0, 5716.0, 5388.0, 5396.0, 5400.0, 5520.0, 5316.0, 5719.0, 5692.0, 5646.0, 5499.0, 5347.0, 5303.0, 5319.0, 5515.0, 5274.0, 5413.0, 5560.0, 5559.0, 5369.0, 5721.0, 5682.0, 5287.0, 5526.0, 5318.0, 5397.0, 5674.0, 5471.0, 5548.0, 5681.0, 5429.0, 5589.0, 5426.0, 5507.0, 5500.0, 5315.0, 5427.0, 5703.0, 5364.0, 5566.0, 5460.0, 5677.0, 5691.0, 5279.0, 5513.0, 5440.0, 5668.0, 5587.0, 5398.0, 5579.0, 5271.0, 5542.0, 5720.0, 5333.0, 5685.0, 5444.0, 5258.0, 5406.0, 5639.0, 5380.0, 5715.0, 5259.0, 5659.0, 5410.0, 5292.0, 5446.0, 5441.0, 5619.0, 5482.0, 5673.0, 5498.0, 5297.0, 5342.0, 5544.0, 5581.0, 5537.0, 5387.0, 5663.0, 5465.0, 5644.0, 5645.0, 5552.0, 5352.0, 5418.0, 5665.0, 5338.0, 5672.0, 5623.0
9	5290	9	1	333	1	5675.0, 5519.0, 5401.0, 5305.0, 5358.0, 5597.0, 5431.0, 5616.0, 5552.0, 5371.0, 5656.0, 5578.0, 5290.0, 5481.0, 5693.0, 5611.0, 5286.0, 5473.0, 5393.0, 5300.0, 5277.0, 5538.0, 5694.0, 5324.0, 5409.0, 5567.0, 5389.0, 5588.0, 5587.0, 5341.0, 5530.0, 5466.0, 5527.0, 5344.0, 5703.0, 5333.0, 5568.0, 5250.0, 5604.0, 5598.0, 5571.0, 5648.0, 5704.0, 5662.0, 5688.0, 5463.0, 5615.0, 5500.0, 5437.0, 5674.0, 5266.0, 5529.0, 5279.0, 5360.0, 5494.0,

						5522.0, 5585.0, 5388.0, 5439.0, 5338.0, 5716.0, 5309.0, 5632.0, 5595.0, 5368.0, 5490.0, 5460.0, 5367.0, 5705.0, 5630.0, 5696.0, 5349.0, 5657.0, 5543.0, 5640.0, 5282.0, 5622.0, 5537.0, 5312.0, 5447.0, 5518.0, 5711.0, 5565.0, 5334.0, 5532.0, 5255.0, 5621.0, 5406.0, 5549.0, 5491.0, 5586.0, 5331.0, 5685.0, 5613.0, 5697.0, 5369.0, 5294.0, 5566.0, 5681.0, 5663.0
10	5290	9	1	333	1	5688.0, 5406.0, 5539.0, 5486.0, 5516.0, 5359.0, 5695.0, 5281.0, 5584.0, 5431.0, 5624.0, 5250.0, 5344.0, 5572.0, 5306.0, 5342.0, 5644.0, 5557.0, 5404.0, 5581.0, 5565.0, 5385.0, 5718.0, 5549.0, 5417.0, 5366.0, 5602.0, 5530.0, 5348.0, 5631.0, 5648.0, 5717.0, 5671.0, 5262.0, 5336.0, 5463.0, 5607.0, 5703.0, 5585.0, 5640.0, 5610.0, 5674.0, 5496.0, 5286.0, 5710.0, 5279.0, 5480.0, 5690.0, 5568.0, 5499.0, 5657.0, 5696.0, 5487.0, 5511.0, 5444.0, 5351.0, 5405.0, 5422.0, 5655.0, 5361.0, 5338.0, 5287.0, 5299.0, 5327.0, 5438.0, 5493.0, 5266.0, 5362.0, 5423.0, 5459.0, 5255.0, 5651.0, 5577.0, 5649.0, 5616.0, 5517.0, 5598.0, 5656.0, 5402.0, 5435.0, 5352.0, 5508.0, 5692.0, 5629.0, 5520.0, 5401.0, 5271.0, 5693.0, 5294.0, 5582.0, 5457.0, 5601.0, 5660.0, 5268.0, 5609.0, 5580.0, 5547.0, 5409.0, 5390.0, 5654.0
11	5290	9	1	333	1	5485.0, 5441.0, 5722.0, 5470.0, 5549.0, 5437.0, 5510.0, 5618.0, 5338.0, 5557.0, 5689.0, 5552.0, 5337.0, 5400.0, 5345.0, 5449.0, 5562.0, 5436.0, 5508.0, 5673.0, 5667.0, 5364.0, 5694.0, 5266.0, 5346.0, 5612.0, 5693.0, 5613.0, 5615.0, 5702.0, 5333.0, 5704.0, 5475.0, 5583.0, 5569.0, 5405.0, 5524.0, 5501.0, 5648.0, 5607.0, 5600.0, 5387.0, 5660.0, 5717.0, 5672.0, 5637.0, 5623.0, 5641.0, 5582.0, 5393.0, 5413.0, 5610.0, 5336.0, 5267.0, 5279.0, 5531.0, 5422.0, 5349.0, 5407.0, 5682.0, 5325.0, 5677.0, 5427.0, 5381.0, 5317.0, 5674.0, 5616.0, 5568.0, 5512.0, 5426.0, 5265.0, 5455.0, 5372.0, 5429.0, 5529.0, 5460.0, 5651.0, 5253.0, 5595.0, 5679.0, 5698.0, 5375.0, 5666.0, 5296.0, 5330.0, 5357.0, 5410.0, 5564.0, 5384.0, 5353.0, 5573.0, 5273.0, 5461.0, 5439.0, 5264.0, 5271.0, 5622.0, 5435.0, 5678.0, 5587.0
12	5290	9	1	333	1	5389.0, 5364.0, 5676.0, 5607.0, 5521.0, 5578.0, 5548.0, 5310.0, 5703.0, 5589.0, 5454.0, 5506.0, 5455.0, 5274.0, 5376.0, 5260.0, 5556.0, 5459.0, 5575.0, 5296.0, 5563.0, 5387.0, 5343.0, 5679.0, 5576.0, 5557.0, 5448.0, 5341.0, 5281.0, 5612.0, 5706.0, 5313.0, 5316.0, 5664.0, 5255.0, 5262.0, 5690.0, 5667.0, 5394.0, 5639.0, 5358.0, 5362.0, 5691.0, 5439.0, 5617.0, 5355.0, 5371.0, 5442.0, 5655.0, 5517.0,

						5348.0, 5516.0, 5660.0, 5312.0, 5283.0, 5315.0, 5259.0, 5616.0, 5414.0, 5372.0, 5398.0, 5317.0, 5498.0, 5558.0, 5370.0, 5266.0, 5593.0, 5444.0, 5528.0, 5407.0, 5588.0, 5254.0, 5382.0, 5423.0, 5501.0, 5633.0, 5345.0, 5436.0, 5722.0, 5520.0, 5647.0, 5338.0, 5524.0, 5610.0, 5570.0, 5614.0, 5360.0, 5418.0, 5413.0, 5719.0, 5717.0, 5492.0, 5562.0, 5251.0, 5624.0, 5300.0, 5502.0, 5705.0, 5337.0, 5685.0
13	5290	9	1	333	1	5324.0, 5630.0, 5717.0, 5311.0, 5484.0, 5498.0, 5692.0, 5375.0, 5430.0, 5371.0, 5644.0, 5358.0, 5279.0, 5534.0, 5262.0, 5677.0, 5424.0, 5555.0, 5394.0, 5495.0, 5590.0, 5621.0, 5686.0, 5722.0, 5330.0, 5398.0, 5300.0, 5537.0, 5425.0, 5461.0, 5635.0, 5489.0, 5274.0, 5451.0, 5499.0, 5589.0, 5348.0, 5297.0, 5443.0, 5646.0, 5642.0, 5600.0, 5654.0, 5467.0, 5617.0, 5431.0, 5446.0, 5663.0, 5407.0, 5460.0, 5675.0, 5526.0, 5328.0, 5253.0, 5428.0, 5688.0, 5546.0, 5551.0, 5634.0, 5380.0, 5318.0, 5282.0, 5529.0, 5390.0, 5710.0, 5563.0, 5674.0, 5575.0, 5437.0, 5713.0, 5610.0, 5543.0, 5387.0, 5337.0, 5419.0, 5459.0, 5557.0, 5301.0, 5542.0, 5292.0, 5721.0, 5369.0, 5626.0, 5362.0, 5544.0, 5402.0, 5671.0, 5673.0, 5270.0, 5615.0, 5273.0, 5476.0, 5547.0, 5280.0, 5573.0, 5501.0, 5653.0, 5286.0, 5720.0, 5420.0
14	5290	9	1	333	1	5311.0, 5319.0, 5717.0, 5683.0, 5487.0, 5381.0, 5709.0, 5553.0, 5668.0, 5666.0, 5378.0, 5628.0, 5520.0, 5596.0, 5313.0, 5341.0, 5635.0, 5342.0, 5612.0, 5348.0, 5407.0, 5320.0, 5464.0, 5559.0, 5324.0, 5503.0, 5425.0, 5414.0, 5527.0, 5399.0, 5267.0, 5678.0, 5508.0, 5719.0, 5469.0, 5257.0, 5286.0, 5270.0, 5716.0, 5701.0, 5336.0, 5676.0, 5412.0, 5428.0, 5620.0, 5332.0, 5384.0, 5457.0, 5609.0, 5442.0, 5538.0, 5565.0, 5645.0, 5391.0, 5422.0, 5637.0, 5373.0, 5309.0, 5636.0, 5708.0, 5533.0, 5671.0, 5534.0, 5402.0, 5392.0, 5427.0, 5499.0, 5269.0, 5261.0, 5571.0, 5449.0, 5535.0, 5255.0, 5588.0, 5436.0, 5314.0, 5354.0, 5646.0, 5585.0, 5693.0, 5315.0, 5514.0, 5466.0, 5258.0, 5641.0, 5385.0, 5653.0, 5345.0, 5396.0, 5492.0, 5426.0, 5308.0, 5599.0, 5657.0, 5614.0, 5371.0, 5415.0, 5301.0, 5651.0, 5274.0
15	5290	9	1	333	1	5505.0, 5293.0, 5580.0, 5420.0, 5522.0, 5285.0, 5485.0, 5284.0, 5494.0, 5253.0, 5461.0, 5392.0, 5419.0, 5499.0, 5477.0, 5662.0, 5626.0, 5644.0, 5322.0, 5629.0, 5528.0, 5376.0, 5348.0, 5377.0, 5331.0, 5437.0, 5389.0, 5262.0, 5502.0, 5697.0, 5375.0, 5653.0, 5544.0, 5706.0, 5352.0, 5529.0, 5333.0, 5667.0, 5674.0, 5548.0, 5510.0, 5722.0, 5257.0, 5482.0, 5390.0,

						5467.0, 5412.0, 5466.0, 5438.0, 5414.0, 5496.0, 5258.0, 5712.0, 5702.0, 5514.0, 5624.0, 5481.0, 5588.0, 5610.0, 5611.0, 5507.0, 5422.0, 5545.0, 5631.0, 5695.0, 5349.0, 5337.0, 5393.0, 5710.0, 5362.0, 5577.0, 5428.0, 5297.0, 5281.0, 5508.0, 5597.0, 5301.0, 5504.0, 5638.0, 5707.0, 5585.0, 5409.0, 5268.0, 5371.0, 5306.0, 5606.0, 5567.0, 5708.0, 5446.0, 5723.0, 5473.0, 5416.0, 5405.0, 5549.0, 5319.0, 5664.0, 5359.0, 5684.0, 5650.0, 5640.0
16	5290	9	1	333	1	5378.0, 5677.0, 5307.0, 5356.0, 5333.0, 5711.0, 5494.0, 5405.0, 5568.0, 5628.0, 5429.0, 5693.0, 5698.0, 5399.0, 5690.0, 5554.0, 5338.0, 5367.0, 5625.0, 5397.0, 5658.0, 5252.0, 5348.0, 5500.0, 5691.0, 5319.0, 5549.0, 5326.0, 5617.0, 5478.0, 5283.0, 5301.0, 5510.0, 5679.0, 5649.0, 5331.0, 5626.0, 5674.0, 5469.0, 5488.0, 5535.0, 5492.0, 5607.0, 5581.0, 5439.0, 5365.0, 5321.0, 5529.0, 5536.0, 5413.0, 5558.0, 5606.0, 5339.0, 5704.0, 5723.0, 5640.0, 5380.0, 5642.0, 5647.0, 5266.0, 5445.0, 5612.0, 5291.0, 5525.0, 5641.0, 5695.0, 5472.0, 5373.0, 5637.0, 5577.0, 5570.0, 5632.0, 5614.0, 5430.0, 5424.0, 5353.0, 5713.0, 5652.0, 5441.0, 5306.0, 5344.0, 5463.0, 5657.0, 5708.0, 5661.0, 5718.0, 5381.0, 5651.0, 5564.0, 5582.0, 5347.0, 5518.0, 5597.0, 5512.0, 5302.0, 5528.0, 5257.0, 5676.0, 5267.0, 5586.0
17	5290	9	1	333	1	5653.0, 5304.0, 5601.0, 5431.0, 5324.0, 5587.0, 5375.0, 5716.0, 5439.0, 5471.0, 5401.0, 5488.0, 5473.0, 5717.0, 5474.0, 5523.0, 5428.0, 5635.0, 5715.0, 5515.0, 5383.0, 5544.0, 5535.0, 5258.0, 5281.0, 5513.0, 5282.0, 5661.0, 5387.0, 5278.0, 5381.0, 5276.0, 5720.0, 5506.0, 5331.0, 5469.0, 5451.0, 5358.0, 5408.0, 5261.0, 5313.0, 5457.0, 5580.0, 5328.0, 5252.0, 5284.0, 5318.0, 5306.0, 5497.0, 5598.0, 5492.0, 5695.0, 5526.0, 5353.0, 5410.0, 5270.0, 5259.0, 5254.0, 5618.0, 5347.0, 5433.0, 5443.0, 5321.0, 5609.0, 5699.0, 5579.0, 5539.0, 5272.0, 5711.0, 5466.0, 5668.0, 5614.0, 5405.0, 5713.0, 5303.0, 5538.0, 5307.0, 5425.0, 5319.0, 5445.0, 5354.0, 5607.0, 5305.0, 5294.0, 5641.0, 5380.0, 5632.0, 5585.0, 5292.0, 5683.0, 5709.0, 5615.0, 5707.0, 5481.0, 5530.0, 5266.0, 5545.0, 5562.0, 5705.0, 5300.0
18	5290	9	1	333	1	5688.0, 5398.0, 5661.0, 5254.0, 5288.0, 5468.0, 5634.0, 5357.0, 5654.0, 5697.0, 5436.0, 5350.0, 5361.0, 5658.0, 5484.0, 5414.0, 5668.0, 5500.0, 5429.0, 5425.0, 5553.0, 5346.0, 5530.0, 5540.0, 5560.0, 5282.0, 5556.0, 5448.0, 5572.0, 5716.0, 5609.0, 5635.0, 5687.0, 5492.0, 5700.0, 5621.0, 5335.0, 5582.0, 5275.0, 5577.0,

						5311.0, 5345.0, 5306.0, 5404.0, 5712.0, 5520.0, 5473.0, 5537.0, 5632.0, 5392.0, 5584.0, 5359.0, 5502.0, 5672.0, 5651.0, 5570.0, 5610.0, 5384.0, 5703.0, 5322.0, 5301.0, 5509.0, 5686.0, 5447.0, 5364.0, 5579.0, 5526.0, 5565.0, 5343.0, 5394.0, 5510.0, 5463.0, 5303.0, 5569.0, 5529.0, 5491.0, 5719.0, 5511.0, 5512.0, 5477.0, 5407.0, 5486.0, 5600.0, 5323.0, 5387.0, 5273.0, 5438.0, 5405.0, 5561.0, 5588.0, 5669.0, 5542.0, 5611.0, 5674.0, 5589.0, 5413.0, 5645.0, 5499.0, 5416.0, 5324.0
19	5290	9	1	333	1	5259.0, 5306.0, 5530.0, 5632.0, 5593.0, 5491.0, 5288.0, 5290.0, 5273.0, 5371.0, 5543.0, 5562.0, 5459.0, 5503.0, 5377.0, 5540.0, 5528.0, 5252.0, 5708.0, 5653.0, 5420.0, 5682.0, 5590.0, 5395.0, 5493.0, 5631.0, 5343.0, 5535.0, 5472.0, 5577.0, 5326.0, 5319.0, 5505.0, 5670.0, 5387.0, 5546.0, 5551.0, 5357.0, 5612.0, 5433.0, 5538.0, 5450.0, 5421.0, 5589.0, 5298.0, 5664.0, 5348.0, 5604.0, 5464.0, 5599.0, 5602.0, 5592.0, 5379.0, 5335.0, 5643.0, 5330.0, 5415.0, 5520.0, 5358.0, 5324.0, 5611.0, 5723.0, 5446.0, 5385.0, 5703.0, 5532.0, 5271.0, 5506.0, 5429.0, 5447.0, 5305.0, 5545.0, 5454.0, 5713.0, 5376.0, 5595.0, 5651.0, 5398.0, 5353.0, 5366.0, 5370.0, 5586.0, 5354.0, 5490.0, 5680.0, 5568.0, 5396.0, 5706.0, 5451.0, 5714.0, 5716.0, 5626.0, 5389.0, 5699.0, 5701.0, 5579.0, 5647.0, 5687.0, 5435.0, 5270.0
20	5290	9	1	333	1	5533.0, 5529.0, 5430.0, 5431.0, 5359.0, 5706.0, 5354.0, 5517.0, 5502.0, 5494.0, 5322.0, 5393.0, 5642.0, 5379.0, 5339.0, 5406.0, 5636.0, 5416.0, 5603.0, 5340.0, 5516.0, 5301.0, 5512.0, 5403.0, 5530.0, 5501.0, 5561.0, 5704.0, 5582.0, 5272.0, 5252.0, 5553.0, 5701.0, 5293.0, 5693.0, 5489.0, 5638.0, 5326.0, 5387.0, 5436.0, 5398.0, 5527.0, 5648.0, 5435.0, 5350.0, 5362.0, 5566.0, 5624.0, 5278.0, 5585.0, 5335.0, 5491.0, 5472.0, 5477.0, 5412.0, 5612.0, 5611.0, 5329.0, 5374.0, 5608.0, 5607.0, 5380.0, 5490.0, 5655.0, 5366.0, 5385.0, 5497.0, 5627.0, 5684.0, 5626.0, 5537.0, 5528.0, 5316.0, 5558.0, 5544.0, 5721.0, 5522.0, 5304.0, 5434.0, 5615.0, 5653.0, 5702.0, 5547.0, 5629.0, 5425.0, 5338.0, 5262.0, 5285.0, 5633.0, 5535.0, 5495.0, 5306.0, 5465.0, 5663.0, 5691.0, 5267.0, 5714.0, 5402.0, 5576.0, 5343.0
21	5290	9	1	333	1	5563.0, 5698.0, 5676.0, 5584.0, 5520.0, 5624.0, 5403.0, 5435.0, 5395.0, 5411.0, 5671.0, 5545.0, 5440.0, 5345.0, 5390.0, 5360.0, 5375.0, 5589.0, 5404.0, 5366.0, 5615.0, 5312.0, 5494.0, 5714.0, 5554.0, 5410.0, 5261.0, 5262.0, 5372.0, 5322.0, 5512.0, 5585.0, 5526.0, 5516.0, 5270.0,

						5552.0, 5348.0, 5309.0, 5703.0, 5549.0, 5484.0, 5683.0, 5412.0, 5267.0, 5389.0, 5647.0, 5378.0, 5537.0, 5664.0, 5678.0, 5643.0, 5502.0, 5558.0, 5341.0, 5399.0, 5543.0, 5621.0, 5332.0, 5646.0, 5398.0, 5393.0, 5492.0, 5529.0, 5304.0, 5550.0, 5622.0, 5433.0, 5427.0, 5382.0, 5592.0, 5474.0, 5719.0, 5488.0, 5424.0, 5269.0, 5370.0, 5650.0, 5455.0, 5655.0, 5439.0, 5365.0, 5603.0, 5507.0, 5539.0, 5432.0, 5665.0, 5258.0, 5623.0, 5429.0, 5353.0, 5566.0, 5373.0, 5651.0, 5659.0, 5468.0, 5303.0, 5699.0, 5367.0, 5284.0, 5329.0
22	5290	9	1	333	1	5365.0, 5419.0, 5532.0, 5323.0, 5634.0, 5407.0, 5262.0, 5404.0, 5671.0, 5662.0, 5599.0, 5333.0, 5513.0, 5457.0, 5396.0, 5522.0, 5702.0, 5712.0, 5721.0, 5507.0, 5720.0, 5297.0, 5270.0, 5305.0, 5710.0, 5480.0, 5597.0, 5299.0, 5385.0, 5694.0, 5675.0, 5717.0, 5526.0, 5647.0, 5272.0, 5455.0, 5271.0, 5524.0, 5673.0, 5550.0, 5553.0, 5290.0, 5366.0, 5310.0, 5682.0, 5692.0, 5633.0, 5723.0, 5397.0, 5619.0, 5460.0, 5339.0, 5528.0, 5381.0, 5393.0, 5414.0, 5335.0, 5374.0, 5640.0, 5346.0, 5440.0, 5449.0, 5614.0, 5439.0, 5611.0, 5364.0, 5657.0, 5631.0, 5501.0, 5533.0, 5418.0, 5592.0, 5325.0, 5475.0, 5347.0, 5583.0, 5549.0, 5357.0, 5596.0, 5488.0, 5279.0, 5403.0, 5356.0, 5483.0, 5390.0, 5399.0, 5684.0, 5664.0, 5330.0, 5515.0, 5551.0, 5485.0, 5609.0, 5565.0, 5484.0, 5458.0, 5450.0, 5465.0, 5604.0, 5428.0
23	5290	9	1	333	1	5471.0, 5552.0, 5484.0, 5647.0, 5312.0, 5657.0, 5289.0, 5279.0, 5356.0, 5327.0, 5608.0, 5467.0, 5418.0, 5689.0, 5470.0, 5550.0, 5488.0, 5326.0, 5425.0, 5283.0, 5308.0, 5380.0, 5359.0, 5648.0, 5702.0, 5646.0, 5652.0, 5433.0, 5332.0, 5328.0, 5563.0, 5585.0, 5581.0, 5664.0, 5584.0, 5466.0, 5655.0, 5517.0, 5617.0, 5527.0, 5532.0, 5673.0, 5572.0, 5706.0, 5362.0, 5719.0, 5481.0, 5620.0, 5695.0, 5496.0, 5400.0, 5713.0, 5262.0, 5492.0, 5615.0, 5276.0, 5432.0, 5267.0, 5390.0, 5288.0, 5278.0, 5720.0, 5428.0, 5306.0, 5430.0, 5423.0, 5495.0, 5370.0, 5371.0, 5665.0, 5445.0, 5613.0, 5631.0, 5339.0, 5711.0, 5378.0, 5252.0, 5546.0, 5335.0, 5415.0, 5493.0, 5524.0, 5669.0, 5619.0, 5562.0, 5274.0, 5294.0, 5513.0, 5353.0, 5363.0, 5686.0, 5349.0, 5431.0, 5544.0, 5301.0, 5589.0, 5558.0, 5637.0, 5668.0, 5536.0
24	5290	9	1	333	1	5474.0, 5420.0, 5378.0, 5334.0, 5279.0, 5563.0, 5623.0, 5573.0, 5666.0, 5695.0, 5540.0, 5520.0, 5694.0, 5473.0, 5475.0, 5354.0, 5297.0, 5435.0, 5690.0, 5461.0, 5620.0, 5303.0, 5507.0, 5632.0, 5724.0, 5571.0, 5429.0, 5570.0, 5547.0, 5332.0,

						5262.0, 5299.0, 5512.0, 5280.0, 5703.0, 5546.0, 5433.0, 5403.0, 5376.0, 5292.0, 5252.0, 5287.0, 5353.0, 5441.0, 5453.0, 5631.0, 5272.0, 5394.0, 5675.0, 5325.0, 5310.0, 5569.0, 5446.0, 5355.0, 5585.0, 5650.0, 5261.0, 5309.0, 5271.0, 5659.0, 5315.0, 5464.0, 5605.0, 5683.0, 5372.0, 5590.0, 5424.0, 5472.0, 5613.0, 5260.0, 5293.0, 5583.0, 5615.0, 5713.0, 5622.0, 5614.0, 5626.0, 5545.0, 5604.0, 5707.0, 5412.0, 5489.0, 5321.0, 5522.0, 5589.0, 5462.0, 5696.0, 5543.0, 5514.0, 5517.0, 5258.0, 5327.0, 5500.0, 5653.0, 5266.0, 5640.0, 5255.0, 5317.0, 5564.0, 5608.0
25	5290	9	1	333	1	5687.0, 5678.0, 5340.0, 5618.0, 5543.0, 5327.0, 5524.0, 5374.0, 5470.0, 5539.0, 5366.0, 5397.0, 5284.0, 5365.0, 5316.0, 5259.0, 5501.0, 5567.0, 5256.0, 5642.0, 5557.0, 5286.0, 5602.0, 5558.0, 5592.0, 5272.0, 5378.0, 5682.0, 5668.0, 5550.0, 5492.0, 5654.0, 5688.0, 5346.0, 5648.0, 5420.0, 5334.0, 5357.0, 5419.0, 5513.0, 5629.0, 5271.0, 5475.0, 5471.0, 5350.0, 5530.0, 5615.0, 5449.0, 5620.0, 5465.0, 5444.0, 5388.0, 5473.0, 5324.0, 5390.0, 5705.0, 5311.0, 5633.0, 5630.0, 5487.0, 5443.0, 5287.0, 5606.0, 5302.0, 5533.0, 5515.0, 5330.0, 5441.0, 5297.0, 5559.0, 5709.0, 5417.0, 5399.0, 5375.0, 5674.0, 5474.0, 5482.0, 5252.0, 5507.0, 5631.0, 5310.0, 5586.0, 5312.0, 5291.0, 5683.0, 5560.0, 5408.0, 5698.0, 5383.0, 5511.0, 5712.0, 5537.0, 5616.0, 5288.0, 5484.0, 5510.0, 5460.0, 5477.0, 5638.0, 5456.0
26	5290	9	1	333	1	5378.0, 5708.0, 5403.0, 5566.0, 5409.0, 5359.0, 5582.0, 5544.0, 5429.0, 5635.0, 5321.0, 5253.0, 5292.0, 5252.0, 5617.0, 5448.0, 5627.0, 5343.0, 5284.0, 5498.0, 5686.0, 5500.0, 5610.0, 5687.0, 5472.0, 5674.0, 5281.0, 5534.0, 5346.0, 5473.0, 5506.0, 5419.0, 5505.0, 5291.0, 5462.0, 5430.0, 5672.0, 5469.0, 5493.0, 5644.0, 5695.0, 5529.0, 5338.0, 5676.0, 5555.0, 5503.0, 5474.0, 5443.0, 5542.0, 5656.0, 5668.0, 5330.0, 5569.0, 5398.0, 5650.0, 5625.0, 5711.0, 5393.0, 5337.0, 5404.0, 5465.0, 5265.0, 5578.0, 5483.0, 5382.0, 5304.0, 5626.0, 5632.0, 5660.0, 5251.0, 5315.0, 5723.0, 5256.0, 5309.0, 5677.0, 5420.0, 5549.0, 5468.0, 5394.0, 5454.0, 5392.0, 5478.0, 5541.0, 5553.0, 5410.0, 5516.0, 5268.0, 5548.0, 5333.0, 5418.0, 5389.0, 5441.0, 5283.0, 5629.0, 5426.0, 5614.0, 5588.0, 5400.0, 5445.0, 5579.0
27	5290	9	1	333	1	5429.0, 5553.0, 5590.0, 5480.0, 5255.0, 5710.0, 5261.0, 5642.0, 5449.0, 5279.0, 5309.0, 5369.0, 5296.0, 5724.0, 5593.0, 5326.0, 5454.0, 5252.0, 5471.0, 5570.0, 5337.0, 5701.0, 5615.0, 5684.0, 5363.0,

						5317.0, 5567.0, 5360.0, 5253.0, 5602.0, 5483.0, 5479.0, 5473.0, 5273.0, 5641.0, 5699.0, 5708.0, 5390.0, 5536.0, 5442.0, 5425.0, 5565.0, 5386.0, 5412.0, 5623.0, 5719.0, 5577.0, 5689.0, 5450.0, 5346.0, 5490.0, 5404.0, 5546.0, 5283.0, 5652.0, 5534.0, 5499.0, 5543.0, 5547.0, 5438.0, 5665.0, 5328.0, 5653.0, 5649.0, 5600.0, 5512.0, 5282.0, 5516.0, 5519.0, 5625.0, 5383.0, 5694.0, 5578.0, 5583.0, 5318.0, 5431.0, 5316.0, 5505.0, 5525.0, 5636.0, 5455.0, 5594.0, 5457.0, 5624.0, 5314.0, 5544.0, 5307.0, 5335.0, 5658.0, 5250.0, 5712.0, 5434.0, 5572.0, 5358.0, 5349.0, 5494.0, 5461.0, 5356.0, 5509.0, 5574.0
28	5290	9	1	333	1	5329.0, 5668.0, 5704.0, 5683.0, 5531.0, 5448.0, 5696.0, 5638.0, 5322.0, 5328.0, 5498.0, 5313.0, 5350.0, 5287.0, 5310.0, 5646.0, 5659.0, 5573.0, 5525.0, 5397.0, 5376.0, 5526.0, 5611.0, 5260.0, 5591.0, 5286.0, 5336.0, 5608.0, 5381.0, 5476.0, 5295.0, 5577.0, 5406.0, 5565.0, 5408.0, 5333.0, 5315.0, 5700.0, 5499.0, 5276.0, 5489.0, 5711.0, 5354.0, 5306.0, 5291.0, 5515.0, 5569.0, 5664.0, 5514.0, 5331.0, 5475.0, 5318.0, 5270.0, 5420.0, 5613.0, 5375.0, 5366.0, 5681.0, 5465.0, 5653.0, 5309.0, 5370.0, 5303.0, 5477.0, 5327.0, 5511.0, 5282.0, 5691.0, 5256.0, 5508.0, 5383.0, 5588.0, 5553.0, 5252.0, 5414.0, 5447.0, 5698.0, 5607.0, 5271.0, 5557.0, 5361.0, 5593.0, 5637.0, 5592.0, 5532.0, 5439.0, 5504.0, 5441.0, 5596.0, 5323.0, 5552.0, 5639.0, 5540.0, 5724.0, 5285.0, 5480.0, 5269.0, 5304.0, 5478.0, 5669.0
29	5290	9	1	333	1	5638.0, 5646.0, 5284.0, 5388.0, 5700.0, 5387.0, 5355.0, 5456.0, 5501.0, 5338.0, 5294.0, 5332.0, 5681.0, 5708.0, 5357.0, 5474.0, 5586.0, 5270.0, 5433.0, 5321.0, 5419.0, 5536.0, 5561.0, 5351.0, 5464.0, 5422.0, 5407.0, 5565.0, 5346.0, 5603.0, 5356.0, 5395.0, 5482.0, 5385.0, 5463.0, 5635.0, 5580.0, 5397.0, 5484.0, 5668.0, 5251.0, 5560.0, 5307.0, 5299.0, 5426.0, 5529.0, 5296.0, 5526.0, 5721.0, 5595.0, 5331.0, 5582.0, 5528.0, 5596.0, 5314.0, 5282.0, 5472.0, 5665.0, 5458.0, 5260.0, 5669.0, 5647.0, 5389.0, 5577.0, 5541.0, 5643.0, 5372.0, 5382.0, 5250.0, 5440.0, 5418.0, 5557.0, 5368.0, 5384.0, 5543.0, 5553.0, 5712.0, 5359.0, 5717.0, 5516.0, 5293.0, 5404.0, 5413.0, 5600.0, 5578.0, 5604.0, 5421.0, 5423.0, 5644.0, 5515.0, 5703.0, 5583.0, 5714.0, 5517.0, 5264.0, 5279.0, 5677.0, 5610.0, 5602.0, 5664.0
30	5290	9	1	333	1	5604.0, 5661.0, 5488.0, 5428.0, 5685.0, 5659.0, 5698.0, 5466.0, 5332.0, 5327.0, 5598.0, 5282.0, 5568.0, 5355.0, 5636.0, 5501.0, 5634.0, 5561.0, 5266.0, 5354.0,

						5687.0, 5656.0, 5489.0, 5585.0, 5505.0, 5605.0, 5257.0, 5718.0, 5306.0, 5422.0, 5536.0, 5364.0, 5535.0, 5614.0, 5298.0, 5368.0, 5281.0, 5360.0, 5326.0, 5712.0, 5307.0, 5376.0, 5643.0, 5293.0, 5594.0, 5533.0, 5591.0, 5471.0, 5540.0, 5347.0, 5262.0, 5564.0, 5647.0, 5502.0, 5541.0, 5252.0, 5520.0, 5410.0, 5474.0, 5494.0, 5653.0, 5283.0, 5671.0, 5424.0, 5473.0, 5691.0, 5348.0, 5703.0, 5319.0, 5611.0, 5324.0, 5334.0, 5522.0, 5292.0, 5276.0, 5427.0, 5512.0, 5692.0, 5434.0, 5521.0, 5514.0, 5403.0, 5259.0, 5495.0, 5686.0, 5567.0, 5650.0, 5590.0, 5356.0, 5437.0, 5421.0, 5628.0, 5552.0, 5254.0, 5592.0, 5452.0, 5486.0, 5311.0, 5492.0, 5542.0

80MHz

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A	15	80%	60%	pass
Type 1B	15	93.3%	60%	pass
Type 2	30	100 %	60%	Pass
Type 3	30	70 %	60%	Pass
Type 4	30	70 %	60%	Pass
Aggregate (Type1 to 4)	120	81.7 %	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	83	1	638	1
2	5290	63	1	838	1
3	5290	99	1	538	0
4	5290	68	1	778	1
5	5290	59	1	898	1
6	5290	89	1	598	0
7	5290	62	1	858	1
8	5290	18	1	3066	1
9	5290	76	1	698	1
10	5290	95	1	558	0
11	5290	70	1	758	1
12	5290	92	1	578	1
13	5290	67	1	798	1
14	5290	61	1	878	1
15	5290	78	1	678	1
16	5290	58	1	918	1
17	5290	72	1	738	1
Detection Percentage: 80% (>60%)					

Radar Type 1B Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	38	1	1417	1
2	5290	21	1	2549	1
3	5290	21	1	2576	1
4	5290	97	1	547	0
5	5290	45	1	1193	1
6	5290	25	1	2198	1
7	5290	51	1	1039	1
8	5290	25	1	2160	1
9	5290	28	1	1890	1
10	5290	27	1	1958	1
11	5290	55	1	961	1
12	5290	28	1	1942	1
13	5290	53	1	1000	1
14	5290	32	1	1666	1
15	5290	20	1	2664	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	4.7	197	1
2	5290	25	4.3	206	1
3	5290	28	3.3	152	1
4	5290	24	4.8	164	1
5	5290	26	1.4	161	1
6	5290	24	1	220	1
7	5290	24	4.9	180	1
8	5290	27	1.2	194	1
9	5290	29	3.5	211	1
10	5290	27	4.3	182	1
11	5290	24	4.3	161	1
12	5290	24	3.8	170	1
13	5290	27	1.4	178	1
14	5290	27	3.2	220	1
15	5290	26	4.5	179	1
16	5290	23	1.2	158	1
17	5290	28	1.7	210	1
18	5290	24	4.3	203	1
19	5290	28	4.3	164	1
20	5290	24	2.9	173	1
21	5290	29	2.6	221	1
22	5290	24	2.7	190	1
23	5290	27	3.7	192	1
24	5290	29	1.1	220	1
25	5290	25	4.2	160	1
26	5290	24	2.9	150	1
27	5290	26	3.6	185	1
28	5290	23	1.2	197	1
29	5290	29	1.8	163	1
30	5290	24	1.7	181	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	9.5	283	1
2	5290	18	10	493	1
3	5290	17	7.8	382	0
4	5290	17	9.5	436	1
5	5290	18	9.9	315	1
6	5290	18	9	428	0
7	5290	17	8.6	491	1
8	5290	18	7	335	1
9	5290	16	9	324	0
10	5290	16	9	229	0
11	5290	16	10	435	0
12	5290	16	9.4	422	0
13	5290	18	9.7	488	1
14	5290	17	6.3	464	1
15	5290	17	8.2	393	1
16	5290	16	7.3	346	0
17	5290	16	6.9	471	1
18	5290	18	8.5	269	1
19	5290	18	8.7	309	1
20	5290	18	8.6	479	1
21	5290	18	8.2	352	1
22	5290	16	7.7	484	1
23	5290	16	8	264	0
24	5290	18	8.1	335	1
25	5290	18	7.5	233	0
26	5290	16	9.2	474	1
27	5290	18	10	378	1
28	5290	18	10	277	1
29	5290	16	6.2	272	1
30	5290	16	7.7	467	1
Detection Percentage: 70% (>60%)					

Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	14	14.5	476	1
2	5290	13	15.3	490	1
3	5290	12	16	369	1
4	5290	13	13	306	1
5	5290	15	19.7	223	0
6	5290	15	11.3	348	1
7	5290	14	17.6	500	0
8	5290	15	16.4	205	0
9	5290	16	12.8	462	1
10	5290	16	19.2	302	1
11	5290	13	16.6	362	1
12	5290	15	19	442	0
13	5290	13	13.1	307	1
14	5290	13	14.3	249	0
15	5290	14	17.8	388	1
16	5290	13	18.3	358	1
17	5290	16	12.9	291	1
18	5290	12	16	431	1
19	5290	13	18.4	496	1
20	5290	12	14.7	369	0
21	5290	13	19.7	356	0
22	5290	12	18.7	262	1
23	5290	14	15.7	493	1
24	5290	13	18.1	489	1
25	5290	16	11.3	284	1
26	5290	15	15.6	270	1
27	5290	16	17.5	418	0
28	5290	16	19.9	265	0
29	5290	14	15.2	402	1
30	5290	12	13.9	333	1
Detection Percentage: 70.0% (>60%)					

Radar Type 5 Case 1 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5290.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	10	86.8	1823		0.658087	1
1	2	10	91.7	1375		2.193752	
2	1	10	61.5			3.195321	
3	3	10	79.8	1369	1955	4.674687	
4	2	10	96.8	1158		6.023176	
5	2	10	96.4	1507		7.217424	
6	2	10	81.2	1420		9.31265	
7	3	10	98.7	1833	1735	9.854045	
8	2	10	55	1664		11.04701	

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)
1	2	15	52.7	1269		0.145554	1
1	2	15	90.2	1952		1.015365	
2	2	15	53.1	1853		1.689278	
3	2	15	94.8	2000		2.224456	
4	1	15	71.5			2.568517	
5	3	15	73	1401	1367	3.504785	
6	2	15	86.3	1119		4.082429	
7	1	15	80.7			4.42317	
8	3	15	85.1	1146	1267	5.512981	
9	2	15	57.5	1263		5.731723	
10	1	15	77.1			6.562406	
11	1	15	83.6			7.406247	
12	3	15	93.4	1496	1240	7.650253	
13	1	15	61.7			8.717273	
14	1	15	66.8			9.173116	
15	2	15	98.7	1543		9.637359	
16	2	15	53.8	1594		10.29513	
17	1	15	69.4			11.01353	
18	2	15	60.7	1449		11.77167	

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	1	14	91.5			0.121779	
1	1	14	65.2			1.054857	
2	3	14	60.1	1083	1987	1.484127	
3	1	14	99			2.295539	
4	1	14	57.9			2.653916	
5	2	14	80.1	1749		3.195413	
6	2	14	57.1	1889		3.842257	
7	1	14	89.7			4.578046	
8	1	14	54			5.335034	
9	3	14	62.7	1280	1125	5.704461	1
10	2	14	66.4	1705		6.723383	
11	2	14	59.9	1958		7.16726	
12	2	14	62	1332		7.854338	
13	2	14	58.7	1606		8.704952	
14	1	14	76.6			8.941785	
15	3	14	51.7	1189	1229	9.685042	
16	2	14	62.8	1414		10.39585	
17	1	14	65			11.225613	
18	2	14	81.3	1654		11.760854	

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	3	10	70.9	1514	1665	0.495233	
1	3	10	98.5	1881	1863	1.054349	
2	2	10	56	1284		1.743307	
3	2	10	67.4	1195		2.658168	
4	2	10	63.7	1401		3.472083	
5	3	10	61.8	1668	1143	3.920924	
6	3	10	69.5	1434	1905	5.118728	
7	3	10	90.6	1948	1255	5.742808	
8	2	10	76.4	1750		6.030102	1
9	2	10	99.1	1094		6.978855	
10	2	10	81.7	1758		7.863529	
11	1	10	70.4			8.303147	
12	1	10	53.6			9.382701	
13	2	10	54.8	1099		10.236996	
14	2	10	99.1	1446		10.662639	
15	2	10	56.9	1543		11.797254	

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	16	61.3	1358		0.126182	1
1	2	16	93.8	1492		0.67808	
2	1	16	53.1			1.43561	
3	2	16	65.3	1637		2.063033	
4	2	16	70.1	1017		3.127223	
5	2	16	94.9	1522		3.656252	
6	2	16	72	1065		4.173012	
7	1	16	54.6			5.304445	
8	2	16	72	1422		5.583856	
9	1	16	66			6.401236	
10	1	16	52.7			6.774576	
11	3	16	94	1435	1824	7.871339	
12	1	16	53.9			8.58153	
13	2	16	59.6	1361		8.699479	
14	1	16	67.2			9.555397	
15	2	16	94.7	1140		10.57781	
16	2	16	55.2	1449		10.934171	
17	2	16	79.7	1471		11.611098	

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	10	96.7			0.352921	1
1	1	10	76.9			1.657199	
2	2	10	81.8	1878		3.124364	
3	2	10	78.7	1461		3.969348	
4	1	10	69.9			4.561682	
5	3	10	59.9	1632	1813	5.460724	
6	2	10	82.4	1679		6.647219	
7	3	10	96.4	1095	1191	8.63296	
8	1	10	56.3			9.554195	
9	1	10	68.7			10.719558	
10	3	10	80.7	1581	1247	11.392769	

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	13	52.2	1895	1186	0.353353	
1	3	13	83.1	1506	1299	1.604377	
2	3	13	85.5	1330	1659	3.026917	
3	2	13	79.6	1568		4.650348	
4	3	13	84.2	1789	1799	5.495509	1
5	3	13	82.4	1937	1323	7.910714	
6	2	13	87.1	1378		8.229527	
7	2	13	86.9	1752		10.271467	
8	3	13	69.3	1430	1562	11.132748	

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	8	86.9	1324		0.836816	
1	3	8	54.7	1721	1683	1.467773	
2	2	8	97	1609		2.35145	
3	1	8	72			3.014681	
4	3	8	54.9	1913	1114	4.021995	
5	2	8	75.7	1779		4.617616	
6	3	8	55.9	1013	1384	6.221176	1
7	3	8	80.6	1455	1581	6.533659	
8	1	8	79			8.240098	
9	1	8	99.9			8.406391	
10	1	8	96.8			9.878654	
11	2	8	73.8	1998		10.823652	
12	1	8	59.6			11.500139	

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	6	51.8	1653		1.03475	1
1	1	6	100			2.962902	
2	1	6	62			4.039289	
3	2	6	52.3	1921		5.564124	
4	3	6	64.6	1786	1233	6.49068	
5	2	6	89.9	1566		8.532978	
6	2	6	86.2	1425		10.13802	
7	2	6	64.3	1621		11.868114	

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	13	86.4	1450		0.041063	1
1	2	13	58.7	1279		1.144591	
2	1	13	91.4			1.915599	
3	2	13	52.1	1811		2.365095	
4	2	13	58.7	1048		3.132733	
5	1	13	92.4			3.720184	
6	3	13	60.1	1620	1473	4.334078	
7	2	13	91.4	1718		5.179235	
8	3	13	76.9	1688	1322	6.189531	
9	2	13	93.7	1718		6.502314	
10	2	13	87.4	1700		7.217278	
11	2	13	80.9	1614		7.854867	
12	2	13	56.7	1971		8.483347	
13	1	13	99.5			9.25349	
14	2	13	70.7	1994		10.383842	
15	2	13	71.4	1637		10.859411	
16	2	13	76.2	1657		11.414623	

Radar Type 5 Case 2 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5253.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(µS)	Pulse 2-3 spacing(µS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	8	71.2	1950		0.787589	1
1	2	8	77	1570		1.793389	
2	1	8	76.4			2.789985	
3	2	8	52.9	1396		3.155783	
4	2	8	80	1302		4.185795	
5	2	8	91.4	1234		5.717915	
6	2	8	81.9	1979		6.714065	
7	2	8	61.9	1617		7.616916	
8	1	8	70.1			8.360898	
9	3	8	55.6	1135	1455	9.906923	
10	3	8	75.4	1055	1592	10.305587	
11	2	8	73.6	1211		11.435905	

Statistics 2 (ChirpCenter Frequency: 5255.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(µS)	Pulse 2-3 spacing(µS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	12	55	1263		1.036376	1
1	2	12	91.8	1213		2.057236	
2	3	12	78.1	1027	1511	3.129695	
3	3	12	62.9	1713	1727	3.2805	
4	2	12	66.5	1921		4.957611	
5	1	12	50.1			5.913082	
6	3	12	52.7	1286	1312	7.096474	
7	3	12	55	1201	1772	8.435028	
8	2	12	66.6	1607		8.872402	
9	3	12	51.1	1190	1345	10.607505	
10	1	12	77.9			11.636036	

Statistics 3 (ChirpCenter Frequency: 5258.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	19	52	1880	1232	0.010587	
1	2	19	60.5	1661		0.896752	
2	1	19	71.9			1.586736	
3	1	19	60.2			2.381472	
4	2	19	85.2	1118		3.054916	
5	2	19	52.2	1073		3.90406	
6	2	19	56.9	1608		4.819471	
7	2	19	80.1	1780		4.958474	
8	2	19	94.3	1688		5.704372	1
9	3	19	94.9	1551	1036	6.797865	
10	2	19	62.3	1843		7.707675	
11	3	19	87	1400	1209	8.249863	
12	1	19	82.4			8.896474	
13	3	19	77.4	1275	1366	9.607448	
14	3	19	57.4	1451	1792	10.551318	
15	3	19	82.4	1638	1048	10.611772	
16	3	19	74.5	1132	1375	11.805313	

Statistics 4 (ChirpCenter Frequency: 5254.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	9	98.8			0.707693	
1	2	9	50.8	1475		1.006623	
2	1	9	64.9			2.547625	
3	2	9	77.2	1576		2.848533	
4	2	9	78.1	1513		4.288299	
5	1	9	98.6			5.380503	
6	2	9	66.2	1706		5.635691	1
7	1	9	76.5			6.846052	
8	2	9	82.1	1983		7.998557	
9	2	9	75.8	1042		8.337974	
10	1	9	70.1			9.37051	
11	2	9	84.1	1581		10.851725	
12	3	9	69.9	1786	1600	11.300097	

Statistics 5 (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	2	6	51.8	1719		0.129998	1
1	3	6	96.4	1264	1003	0.965966	
2	2	6	94.3	1216		1.535435	
3	2	6	62	1425		2.367022	
4	1	6	92.4			3.382883	
5	1	6	86.5			3.824936	
6	2	6	63.2	1823		4.757582	
7	3	6	69.1	1951	1648	5.288543	
8	1	6	84.4			6.447773	
9	2	6	58.5	1297		7.346513	
10	2	6	92.5	1909		7.724161	
11	2	6	69.3	1602		8.437545	
12	1	6	51.4			9.513222	
13	1	6	75.3			10.353948	
14	2	6	52	1907		10.912037	
15	3	6	87.3	1553	1253	11.307157	

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	3	17	97	1041	1518	0.506839	1
1	3	17	97.3	1096	1791	1.013409	
2	1	17	70.7			2.428337	
3	3	17	86.7	1158	1428	3.049755	
4	2	17	90.1	1604		3.797192	
5	2	17	91.5	1651		5.163231	
6	3	17	54.5	1653	1713	6.333361	
7	3	17	87.6	1703	1500	6.544488	
8	2	17	51.3	1422		7.957897	
9	2	17	96.5	1084		8.745338	
10	2	17	55.4	1097		10.026857	
11	3	17	97.3	1785	1627	10.840756	
12	1	17	99.9			11.57322	

Statistics 7 (ChirpCenter Frequency: 5258.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	20	79	1578		0.243533	
1	2	20	77.7	1059		1.012126	
2	2	20	83.7	1548		1.754914	
3	3	20	78.1	1659	1459	2.43593	
4	2	20	88.4	1233		2.540177	
5	2	20	79.3	1522		3.582246	
6	2	20	68.7	1020		3.900695	
7	2	20	62.4	1677		4.93079	
8	3	20	76.4	1470	1330	5.12378	
9	3	20	64.9	1757	1164	6.084619	1
10	3	20	79	1634	1397	6.593059	
11	2	20	61.3	1159		7.349143	
12	1	20	67.4			7.988364	
13	2	20	78.1	1685		8.46765	
14	1	20	89.3			9.272348	
15	3	20	74.9	1550	1822	9.610955	
16	1	20	62.6			10.462083	
17	2	20	70	1502		10.774606	
18	2	20	78.9	1465		11.395556	

Statistics 8 (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	3	8	87.2	1694	1927	0.513729	
1	2	8	91.7	1650		1.623473	
2	2	8	94.5	1837		3.147023	
3	1	8	75			4.495223	
4	1	8	68.1			5.590638	1
5	1	8	57.2			7.1013	
6	2	8	69.4	1446		8.959534	
7	1	8	99.9			10.441721	
8	1	8	56			11.353656	

Statistics 9 (ChirpCenter Frequency: 5254.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(µS)	Pulse 2-3 spacing(µS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	9	88.8	1671		0.081646	1
1	2	9	89.6	1173		1.157704	
2	3	9	53.4	1594	1746	2.013468	
3	1	9	66.3			2.565546	
4	2	9	65.3	1107		3.121844	
5	2	9	77.5	1525		4.048258	
6	2	9	76.9	1064		5.178814	
7	2	9	99.3	1004		5.523759	
8	2	9	96	1955		6.55297	
9	3	9	50.4	1884	1326	7.494081	
10	2	9	74.3	1025		8.222527	
11	1	9	81.4			8.45756	
12	2	9	88.7	1596		9.001662	
13	2	9	75.4	1947		9.953511	
14	2	9	92.6	1099		10.865713	
15	2	9	54.9	1168		11.632433	

Statistics 10 (ChirpCenter Frequency: 5257.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(µS)	Pulse 2-3 spacing(µS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	17	75.1	1456		0.786023	1
1	3	17	55.9	1969	1147	0.863369	
2	3	17	60.7	1936	1752	1.916306	
3	3	17	55.6	1350	1420	3.201687	
4	2	17	86.6	1414		4.14663	
5	1	17	81.8			4.561535	
6	3	17	74.8	1405	1600	5.89465	
7	3	17	50.8	1205	1531	6.071203	
8	2	17	88.8	1924		7.497179	
9	2	17	58.1	1915		8.337486	
10	2	17	89.7	1139		9.389832	
11	3	17	62.9	1729	1764	9.514256	
12	2	17	86.1	1738		11.027491	
13	2	17	50.8	1271		11.81877	

Radar Type 5 Case 3 Statistical Performance

Statistics 1 (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	53	1969		0.305735	1
1	2	7	62.5	1767		0.6859	
2	1	7	86			1.501742	
3	2	7	66.8	1330		2.00052	
4	2	7	70.8	1473		2.786403	
5	3	7	75.8	1290	1371	3.536161	
6	3	7	92.7	1143	1183	3.649304	
7	2	7	88.6	1990		4.567899	
8	2	7	51.4	1003		5.333761	
9	1	7	67.2			5.880774	
10	1	7	61.7			6.268213	
11	1	7	67.7			6.892055	
12	2	7	85.6	1116		7.302732	
13	2	7	59.7	1110		8.05947	
14	2	7	86.1	1250		8.758073	
15	1	7	97.6			9.187996	
16	2	7	91.4	1982		9.676061	
17	2	7	68.8	1398		10.543621	
18	3	7	55.7	1940	1992	10.971712	
19	2	7	88.1	1097		11.536806	

Statistics 2 (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	90.6	1649		0.923892	1
1	3	12	80.3	1941	1491	2.280302	
2	2	12	92.2	1377		3.147526	
3	2	12	62	1286		4.345405	
4	2	12	81.2	1570		5.770398	
5	3	12	54.6	1581	1672	7.069972	
6	1	12	53.1			8.039459	
7	2	12	81.4	1832		9.25258	
8	3	12	98.4	1916	1726	10.220034	
9	1	12	68.7			11.829786	

Statistics 3 (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	94.4	1030		0.015123	
1	2	13	93.5	1033		1.699788	
2	3	13	74.5	1865	1252	2.180286	
3	3	13	66.5	1077	1424	3.45386	
4	1	13	95.7			3.845552	
5	3	13	90.5	1538	1994	4.795064	
6	2	13	81.4	1272		5.70312	1
7	2	13	51.2	1260		6.952137	
8	2	13	65.1	1536		7.819661	
9	1	13	88.1			8.652191	
10	2	13	98.6	1314		9.380522	
11	1	13	63.9			10.904032	
12	2	13	93.6	1099		11.361328	

Statistics 4 (ChirpCenter Frequency: 5324.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	16	73.8	1010	1745	0.099238	
1	2	16	79.3	1761		0.907415	
2	3	16	78.3	1069	1483	1.554173	
3	2	16	88	1648		2.092803	
4	2	16	68.4	1297		2.996533	
5	3	16	79.7	1727	1304	3.669175	
6	1	16	51.4			4.2601	
7	3	16	75.6	1707	1010	4.58473	
8	3	16	72.6	1576	1946	5.549642	
9	2	16	68.3	1407		6.222901	1
10	1	16	86.7			6.389203	
11	2	16	68.6	1094		7.298024	
12	1	16	51.4			7.839391	
13	3	16	85.1	1776	1928	8.446721	
14	3	16	85.2	1889	1331	8.856186	
15	2	16	64.8	1046		9.726278	
16	3	16	77.6	1029	1304	10.382125	
17	1	16	93.6			10.898391	
18	1	16	85.4			11.577752	

Statistics 5 (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	12	72.4	1611		0.138383	1
1	1	12	71.8			1.44186	
2	1	12	51.6			2.181736	
3	3	12	62.3	1547	1898	3.871404	
4	2	12	71.3	1104		4.779414	
5	1	12	53.9			5.181312	
6	2	12	92.4	1246		6.436871	
7	2	12	58.4	1511		7.614628	
8	1	12	52.6			8.944531	
9	1	12	95			9.052728	
10	3	12	69.4	1365	1009	10.684362	
11	2	12	89.9	1248		11.497155	

Statistics 6 (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	1	5	99.3			0.47366	1
1	2	5	87.5	1626		1.538013	
2	2	5	59.7	1856		3.120361	
3	2	5	88.5	1557		4.306405	
4	3	5	80.8	1022	1183	6.223179	
5	2	5	87.9	1077		7.677832	
6	2	5	90.3	1842		9.051263	
7	2	5	64.4	1111		10.194101	
8	2	5	97.5	1928		11.403458	

Statistics 7 (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	3	12	78.8	1361	1419	0.187021	
1	2	12	85.5	1024		0.902925	
2	3	12	98.7	1242	1011	1.279163	
3	1	12	88.9			2.23445	
4	2	12	83.7	1428		2.634616	
5	2	12	72.6	1509		3.660347	
6	2	12	96.5	1613		3.842849	
7	2	12	95.1	1001		4.772648	
8	3	12	68.7	1664	1804	5.468955	
9	3	12	55.8	1467	1338	6.099261	1
10	3	12	72.8	1548	1794	6.801239	
11	2	12	60.1	1049		7.08245	
12	2	12	65.1	1715		8.152373	
13	1	12	60.2			8.698076	
14	2	12	63.5	1407		8.984568	
15	3	12	67.7	1928	1370	9.677522	
16	2	12	78.3	1111		10.179469	
17	3	12	71.4	1270	1044	11.26946	
18	2	12	56.9	1149		11.813174	

Statistics 8 (ChirpCenter Frequency: 5324.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	15	89.1	1258	1693	0.027625	
1	3	15	80.8	1221	1974	1.156845	
2	2	15	92.7	1282		3.084898	
3	2	15	80.8	1518		3.368249	
4	1	15	91.2			5.390883	
5	1	15	80.3			6.142673	1
6	2	15	79.5	1041		7.009176	
7	2	15	55.4	1349		8.235636	
8	2	15	80.6	1392		9.309596	
9	2	15	50.6	1028		10.641314	
10	1	15	53.6			11.675737	

Statistics 9 (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	3	12	80.9	1906	1647	0.319729	1
1	2	12	53.9	1993		1.221575	
2	2	12	62.4	1793		3.101209	
3	1	12	62			3.283216	
4	3	12	90.1	1759	1255	5.010159	
5	3	12	89.8	1427	1171	5.480042	
6	2	12	60.2	1071		6.895372	
7	3	12	96.1	1489	1200	8.352147	
8	1	12	74.7			9.753563	
9	3	12	99	1308	1803	10.478748	
10	1	12	50.6			11.514901	

Statistics 10 (ChirpCenter Frequency: 5323.0MHz)

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	76.6	1689		0.622581	1
1	2	18	97.9	1115		1.559499	
2	2	18	58.1	1370		2.052331	
3	1	18	91.5			3.95038	
4	2	18	53.1	1266		4.277662	
5	2	18	53.8	1471		5.444108	
6	2	18	95.4	1744		6.303347	
7	3	18	63.7	1857	1330	7.006824	
8	2	18	60.4	1793		8.264532	
9	2	18	51.9	1978		9.116416	
10	1	18	69.4			10.123183	
11	2	18	79.4	1906		11.54727	

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	5680.0, 5654.0, 5505.0, 5261.0, 5629.0, 5422.0, 5698.0, 5624.0, 5295.0, 5378.0, 5433.0, 5703.0, 5548.0, 5369.0, 5468.0, 5704.0, 5494.0, 5722.0, 5514.0, 5576.0, 5364.0, 5496.0, 5441.0, 5428.0, 5435.0, 5375.0, 5497.0, 5705.0, 5621.0, 5553.0, 5627.0, 5693.0, 5501.0, 5251.0, 5713.0, 5646.0, 5545.0, 5563.0, 5305.0, 5444.0, 5256.0, 5620.0, 5377.0, 5376.0, 5597.0, 5371.0, 5659.0, 5322.0, 5559.0, 5639.0, 5266.0, 5714.0, 5537.0, 5590.0, 5618.0, 5674.0, 5366.0, 5604.0, 5512.0, 5406.0, 5453.0, 5476.0, 5281.0, 5574.0, 5723.0, 5710.0, 5253.0, 5355.0, 5312.0, 5408.0, 5652.0, 5688.0, 5400.0, 5672.0, 5641.0, 5689.0, 5447.0, 5613.0, 5511.0, 5478.0, 5509.0, 5470.0, 5692.0, 5644.0, 5718.0, 5638.0, 5280.0, 5339.0, 5539.0, 5520.0, 5558.0, 5466.0, 5398.0, 5591.0, 5529.0, 5515.0, 5265.0, 5578.0, 5524.0, 5657.0
2	5290	9	1	333	1	5292.0, 5349.0, 5622.0, 5634.0, 5681.0, 5454.0, 5256.0, 5613.0, 5670.0, 5419.0, 5287.0, 5471.0, 5643.0, 5621.0, 5324.0, 5465.0, 5625.0, 5451.0, 5553.0, 5358.0, 5595.0, 5442.0, 5606.0, 5440.0, 5308.0, 5384.0, 5616.0, 5685.0, 5459.0, 5614.0, 5698.0, 5500.0, 5632.0, 5392.0, 5509.0, 5343.0, 5312.0, 5306.0, 5389.0, 5577.0, 5422.0, 5639.0, 5281.0, 5372.0, 5391.0, 5716.0, 5542.0, 5696.0, 5585.0, 5252.0, 5436.0, 5579.0, 5472.0, 5404.0, 5291.0, 5493.0, 5645.0, 5521.0, 5572.0, 5724.0, 5302.0, 5568.0, 5289.0, 5650.0, 5721.0, 5262.0, 5682.0, 5697.0, 5253.0, 5604.0, 5515.0, 5345.0, 5690.0, 5418.0, 5307.0, 5551.0, 5424.0, 5522.0, 5710.0, 5397.0, 5498.0, 5474.0, 5286.0, 5523.0, 5280.0, 5285.0, 5293.0, 5630.0, 5266.0, 5334.0, 5294.0, 5518.0, 5470.0, 5340.0, 5383.0, 5662.0, 5385.0, 5378.0, 5559.0, 5367.0
3	5290	9	1	333	1	5680.0, 5497.0, 5652.0, 5352.0, 5255.0, 5385.0, 5552.0, 5514.0, 5390.0, 5577.0, 5452.0, 5498.0, 5299.0, 5435.0, 5604.0, 5545.0, 5278.0, 5436.0, 5506.0, 5623.0, 5431.0, 5374.0, 5253.0, 5701.0, 5664.0, 5441.0, 5651.0, 5706.0, 5458.0, 5695.0, 5474.0, 5628.0, 5524.0, 5266.0, 5601.0, 5560.0, 5646.0, 5280.0, 5371.0, 5508.0, 5425.0, 5657.0, 5668.0, 5404.0, 5268.0, 5671.0, 5453.0, 5349.0, 5723.0, 5667.0, 5317.0, 5340.0, 5645.0, 5505.0, 5354.0, 5353.0, 5632.0, 5420.0, 5709.0, 5522.0, 5675.0, 5263.0, 5322.0, 5448.0, 5443.0, 5586.0, 5517.0, 5496.0, 5553.0, 5424.0,

						5634.0, 5599.0, 5260.0, 5625.0, 5588.0, 5473.0, 5339.0, 5557.0, 5360.0, 5303.0, 5490.0, 5434.0, 5328.0, 5477.0, 5684.0, 5314.0, 5534.0, 5624.0, 5359.0, 5615.0, 5716.0, 5358.0, 5287.0, 5410.0, 5643.0, 5321.0, 5704.0, 5627.0, 5438.0, 5669.0
4	5290	9	1	333	1	5511.0, 5377.0, 5546.0, 5455.0, 5381.0, 5476.0, 5465.0, 5318.0, 5291.0, 5599.0, 5483.0, 5328.0, 5682.0, 5535.0, 5667.0, 5521.0, 5467.0, 5371.0, 5360.0, 5264.0, 5258.0, 5431.0, 5403.0, 5567.0, 5645.0, 5512.0, 5611.0, 5543.0, 5547.0, 5697.0, 5274.0, 5681.0, 5440.0, 5505.0, 5447.0, 5701.0, 5468.0, 5602.0, 5549.0, 5254.0, 5600.0, 5609.0, 5283.0, 5314.0, 5385.0, 5294.0, 5638.0, 5430.0, 5253.0, 5410.0, 5643.0, 5608.0, 5582.0, 5263.0, 5469.0, 5433.0, 5324.0, 5586.0, 5325.0, 5607.0, 5572.0, 5284.0, 5406.0, 5344.0, 5585.0, 5470.0, 5622.0, 5422.0, 5451.0, 5720.0, 5368.0, 5666.0, 5400.0, 5292.0, 5271.0, 5712.0, 5665.0, 5288.0, 5661.0, 5306.0, 5357.0, 5579.0, 5307.0, 5378.0, 5421.0, 5696.0, 5677.0, 5553.0, 5343.0, 5293.0, 5460.0, 5619.0, 5326.0, 5695.0, 5459.0, 5417.0, 5347.0, 5463.0, 5345.0, 5563.0
5	5290	9	1	333	1	5464.0, 5492.0, 5290.0, 5660.0, 5417.0, 5440.0, 5298.0, 5484.0, 5717.0, 5474.0, 5661.0, 5640.0, 5506.0, 5511.0, 5686.0, 5303.0, 5638.0, 5365.0, 5435.0, 5472.0, 5339.0, 5664.0, 5382.0, 5624.0, 5607.0, 5438.0, 5392.0, 5618.0, 5470.0, 5641.0, 5306.0, 5648.0, 5628.0, 5560.0, 5533.0, 5343.0, 5565.0, 5573.0, 5311.0, 5562.0, 5531.0, 5510.0, 5623.0, 5564.0, 5616.0, 5479.0, 5258.0, 5553.0, 5523.0, 5295.0, 5446.0, 5449.0, 5673.0, 5301.0, 5264.0, 5672.0, 5610.0, 5578.0, 5594.0, 5508.0, 5420.0, 5269.0, 5272.0, 5362.0, 5426.0, 5411.0, 5351.0, 5574.0, 5662.0, 5250.0, 5656.0, 5463.0, 5489.0, 5422.0, 5617.0, 5344.0, 5703.0, 5397.0, 5710.0, 5525.0, 5589.0, 5699.0, 5507.0, 5427.0, 5263.0, 5485.0, 5698.0, 5267.0, 5519.0, 5405.0, 5516.0, 5461.0, 5547.0, 5581.0, 5266.0, 5284.0, 5270.0, 5613.0, 5633.0, 5535.0
6	5290	9	1	333	1	5357.0, 5466.0, 5629.0, 5303.0, 5270.0, 5365.0, 5659.0, 5646.0, 5359.0, 5502.0, 5699.0, 5377.0, 5263.0, 5407.0, 5295.0, 5397.0, 5443.0, 5608.0, 5582.0, 5534.0, 5680.0, 5712.0, 5538.0, 5505.0, 5463.0, 5309.0, 5586.0, 5324.0, 5341.0, 5591.0, 5716.0, 5289.0, 5498.0, 5496.0, 5487.0, 5406.0, 5432.0, 5258.0, 5500.0, 5367.0, 5348.0, 5256.0, 5304.0, 5344.0, 5430.0, 5639.0, 5685.0, 5689.0, 5416.0, 5269.0, 5379.0, 5723.0, 5524.0, 5394.0, 5254.0, 5437.0, 5476.0, 5724.0, 5424.0, 5641.0, 5564.0, 5370.0, 5266.0, 5326.0, 5291.0,

						5603.0, 5719.0, 5675.0, 5540.0, 5614.0, 5583.0, 5598.0, 5578.0, 5592.0, 5368.0, 5470.0, 5638.0, 5513.0, 5625.0, 5504.0, 5327.0, 5351.0, 5267.0, 5589.0, 5401.0, 5698.0, 5338.0, 5602.0, 5366.0, 5711.0, 5418.0, 5519.0, 5319.0, 5299.0, 5695.0, 5387.0, 5257.0, 5595.0, 5714.0, 5553.0
7	5290	9	1	333	1	5501.0, 5520.0, 5318.0, 5458.0, 5599.0, 5429.0, 5443.0, 5333.0, 5511.0, 5463.0, 5683.0, 5329.0, 5663.0, 5376.0, 5474.0, 5303.0, 5404.0, 5593.0, 5339.0, 5711.0, 5662.0, 5386.0, 5615.0, 5641.0, 5661.0, 5586.0, 5504.0, 5673.0, 5287.0, 5427.0, 5475.0, 5284.0, 5710.0, 5437.0, 5263.0, 5554.0, 5285.0, 5722.0, 5384.0, 5369.0, 5461.0, 5464.0, 5620.0, 5682.0, 5405.0, 5393.0, 5276.0, 5510.0, 5647.0, 5288.0, 5271.0, 5388.0, 5617.0, 5253.0, 5513.0, 5439.0, 5371.0, 5602.0, 5348.0, 5299.0, 5492.0, 5275.0, 5509.0, 5323.0, 5424.0, 5665.0, 5268.0, 5367.0, 5373.0, 5505.0, 5704.0, 5591.0, 5431.0, 5638.0, 5302.0, 5395.0, 5621.0, 5491.0, 5639.0, 5601.0, 5630.0, 5535.0, 5355.0, 5418.0, 5697.0, 5312.0, 5686.0, 5370.0, 5605.0, 5364.0, 5706.0, 5468.0, 5608.0, 5685.0, 5479.0, 5529.0, 5628.0, 5572.0, 5623.0, 5336.0
8	5290	9	1	333	1	5721.0, 5612.0, 5557.0, 5380.0, 5645.0, 5274.0, 5327.0, 5347.0, 5462.0, 5441.0, 5514.0, 5275.0, 5406.0, 5440.0, 5545.0, 5258.0, 5640.0, 5276.0, 5507.0, 5510.0, 5280.0, 5436.0, 5455.0, 5294.0, 5559.0, 5370.0, 5495.0, 5716.0, 5601.0, 5302.0, 5498.0, 5396.0, 5647.0, 5304.0, 5643.0, 5529.0, 5432.0, 5457.0, 5554.0, 5719.0, 5385.0, 5558.0, 5720.0, 5439.0, 5641.0, 5324.0, 5315.0, 5252.0, 5689.0, 5567.0, 5624.0, 5575.0, 5570.0, 5648.0, 5251.0, 5299.0, 5346.0, 5424.0, 5297.0, 5311.0, 5388.0, 5695.0, 5307.0, 5322.0, 5334.0, 5706.0, 5571.0, 5400.0, 5602.0, 5626.0, 5506.0, 5454.0, 5268.0, 5402.0, 5272.0, 5426.0, 5360.0, 5653.0, 5665.0, 5553.0, 5548.0, 5318.0, 5649.0, 5594.0, 5284.0, 5701.0, 5371.0, 5437.0, 5293.0, 5646.0, 5610.0, 5528.0, 5666.0, 5486.0, 5365.0, 5600.0, 5480.0, 5633.0, 5389.0, 5328.0
9	5290	9	1	333	1	5312.0, 5570.0, 5418.0, 5299.0, 5398.0, 5563.0, 5451.0, 5360.0, 5704.0, 5387.0, 5335.0, 5276.0, 5384.0, 5265.0, 5378.0, 5347.0, 5657.0, 5434.0, 5268.0, 5521.0, 5525.0, 5715.0, 5281.0, 5716.0, 5479.0, 5489.0, 5437.0, 5611.0, 5475.0, 5315.0, 5401.0, 5471.0, 5466.0, 5705.0, 5580.0, 5574.0, 5407.0, 5339.0, 5488.0, 5391.0, 5413.0, 5329.0, 5500.0, 5271.0, 5385.0, 5402.0, 5637.0, 5320.0, 5605.0, 5430.0, 5603.0, 5323.0, 5446.0, 5336.0, 5379.0, 5583.0, 5431.0, 5458.0, 5646.0, 5593.0,

						5693.0, 5711.0, 5608.0, 5662.0, 5363.0, 5322.0, 5649.0, 5719.0, 5648.0, 5443.0, 5395.0, 5549.0, 5450.0, 5361.0, 5636.0, 5679.0, 5490.0, 5666.0, 5661.0, 5444.0, 5520.0, 5501.0, 5640.0, 5535.0, 5642.0, 5410.0, 5294.0, 5448.0, 5686.0, 5461.0, 5354.0, 5680.0, 5547.0, 5708.0, 5491.0, 5543.0, 5264.0, 5459.0, 5262.0, 5664.0
10	5290	9	1	333	1	5262.0, 5297.0, 5548.0, 5466.0, 5390.0, 5427.0, 5324.0, 5309.0, 5382.0, 5488.0, 5646.0, 5294.0, 5314.0, 5412.0, 5481.0, 5518.0, 5319.0, 5460.0, 5721.0, 5356.0, 5464.0, 5602.0, 5281.0, 5649.0, 5703.0, 5571.0, 5699.0, 5559.0, 5660.0, 5716.0, 5557.0, 5512.0, 5313.0, 5465.0, 5545.0, 5494.0, 5598.0, 5440.0, 5401.0, 5384.0, 5380.0, 5573.0, 5591.0, 5556.0, 5679.0, 5498.0, 5669.0, 5553.0, 5674.0, 5535.0, 5417.0, 5603.0, 5631.0, 5357.0, 5483.0, 5446.0, 5328.0, 5666.0, 5251.0, 5287.0, 5522.0, 5325.0, 5489.0, 5433.0, 5378.0, 5291.0, 5609.0, 5621.0, 5531.0, 5607.0, 5458.0, 5697.0, 5326.0, 5673.0, 5581.0, 5484.0, 5443.0, 5662.0, 5720.0, 5461.0, 5285.0, 5657.0, 5683.0, 5534.0, 5612.0, 5423.0, 5363.0, 5617.0, 5722.0, 5579.0, 5379.0, 5456.0, 5315.0, 5338.0, 5386.0, 5656.0, 5442.0, 5550.0, 5635.0, 5487.0
11	5290	9	1	333	1	5641.0, 5460.0, 5305.0, 5318.0, 5298.0, 5417.0, 5544.0, 5299.0, 5347.0, 5633.0, 5537.0, 5345.0, 5701.0, 5395.0, 5448.0, 5329.0, 5326.0, 5652.0, 5632.0, 5708.0, 5469.0, 5556.0, 5682.0, 5431.0, 5407.0, 5720.0, 5466.0, 5683.0, 5503.0, 5254.0, 5631.0, 5258.0, 5393.0, 5342.0, 5690.0, 5656.0, 5336.0, 5714.0, 5398.0, 5286.0, 5443.0, 5333.0, 5328.0, 5647.0, 5307.0, 5616.0, 5481.0, 5527.0, 5311.0, 5624.0, 5651.0, 5558.0, 5278.0, 5526.0, 5341.0, 5369.0, 5465.0, 5549.0, 5618.0, 5294.0, 5371.0, 5373.0, 5570.0, 5531.0, 5424.0, 5285.0, 5363.0, 5433.0, 5496.0, 5368.0, 5427.0, 5425.0, 5367.0, 5642.0, 5505.0, 5439.0, 5356.0, 5346.0, 5592.0, 5613.0, 5270.0, 5268.0, 5673.0, 5314.0, 5543.0, 5674.0, 5612.0, 5601.0, 5580.0, 5437.0, 5364.0, 5489.0, 5475.0, 5659.0, 5552.0, 5338.0, 5301.0, 5461.0, 5722.0, 5293.0
12	5290	9	1	333	1	5631.0, 5393.0, 5690.0, 5668.0, 5475.0, 5723.0, 5466.0, 5318.0, 5602.0, 5391.0, 5688.0, 5587.0, 5590.0, 5477.0, 5418.0, 5468.0, 5437.0, 5301.0, 5614.0, 5382.0, 5524.0, 5385.0, 5367.0, 5577.0, 5550.0, 5711.0, 5409.0, 5627.0, 5284.0, 5300.0, 5362.0, 5411.0, 5677.0, 5557.0, 5555.0, 5710.0, 5534.0, 5520.0, 5337.0, 5320.0, 5538.0, 5636.0, 5572.0, 5353.0, 5324.0, 5294.0, 5519.0, 5452.0, 5276.0, 5360.0, 5358.0, 5532.0, 5488.0, 5253.0, 5561.0,

						5492.0, 5328.0, 5571.0, 5523.0, 5304.0, 5445.0, 5424.0, 5401.0, 5432.0, 5415.0, 5681.0, 5659.0, 5274.0, 5336.0, 5303.0, 5551.0, 5252.0, 5422.0, 5458.0, 5319.0, 5331.0, 5426.0, 5478.0, 5715.0, 5630.0, 5714.0, 5661.0, 5423.0, 5302.0, 5618.0, 5521.0, 5497.0, 5351.0, 5639.0, 5535.0, 5579.0, 5675.0, 5547.0, 5612.0, 5396.0, 5255.0, 5713.0, 5513.0, 5489.0, 5507.0
13	5290	9	1	333	1	5701.0, 5301.0, 5636.0, 5293.0, 5355.0, 5559.0, 5470.0, 5528.0, 5274.0, 5717.0, 5442.0, 5475.0, 5409.0, 5551.0, 5269.0, 5263.0, 5334.0, 5321.0, 5315.0, 5502.0, 5715.0, 5679.0, 5601.0, 5283.0, 5597.0, 5555.0, 5383.0, 5546.0, 5646.0, 5388.0, 5439.0, 5372.0, 5535.0, 5573.0, 5328.0, 5256.0, 5322.0, 5330.0, 5638.0, 5606.0, 5661.0, 5619.0, 5400.0, 5305.0, 5273.0, 5323.0, 5482.0, 5545.0, 5300.0, 5637.0, 5492.0, 5430.0, 5404.0, 5694.0, 5480.0, 5463.0, 5429.0, 5631.0, 5685.0, 5468.0, 5686.0, 5494.0, 5613.0, 5525.0, 5704.0, 5371.0, 5611.0, 5618.0, 5663.0, 5721.0, 5393.0, 5374.0, 5605.0, 5651.0, 5596.0, 5633.0, 5407.0, 5349.0, 5271.0, 5358.0, 5718.0, 5257.0, 5575.0, 5478.0, 5508.0, 5427.0, 5348.0, 5628.0, 5359.0, 5467.0, 5544.0, 5484.0, 5574.0, 5424.0, 5390.0, 5592.0, 5563.0, 5483.0, 5621.0, 5389.0
14	5290	9	1	333	1	5628.0, 5259.0, 5357.0, 5510.0, 5258.0, 5334.0, 5341.0, 5495.0, 5340.0, 5396.0, 5489.0, 5631.0, 5348.0, 5456.0, 5553.0, 5362.0, 5605.0, 5279.0, 5450.0, 5353.0, 5391.0, 5696.0, 5473.0, 5702.0, 5424.0, 5278.0, 5364.0, 5307.0, 5622.0, 5606.0, 5603.0, 5482.0, 5291.0, 5707.0, 5486.0, 5601.0, 5322.0, 5550.0, 5369.0, 5379.0, 5393.0, 5539.0, 5596.0, 5517.0, 5504.0, 5433.0, 5664.0, 5591.0, 5556.0, 5564.0, 5384.0, 5507.0, 5690.0, 5378.0, 5632.0, 5679.0, 5314.0, 5636.0, 5595.0, 5329.0, 5255.0, 5400.0, 5267.0, 5405.0, 5310.0, 5397.0, 5552.0, 5270.0, 5624.0, 5671.0, 5331.0, 5300.0, 5386.0, 5392.0, 5403.0, 5436.0, 5498.0, 5592.0, 5584.0, 5527.0, 5714.0, 5452.0, 5626.0, 5600.0, 5663.0, 5330.0, 5368.0, 5587.0, 5660.0, 5317.0, 5422.0, 5586.0, 5277.0, 5522.0, 5598.0, 5716.0, 5491.0, 5297.0, 5684.0, 5417.0
15	5290	9	1	333	1	5349.0, 5709.0, 5503.0, 5433.0, 5608.0, 5386.0, 5595.0, 5426.0, 5515.0, 5661.0, 5645.0, 5583.0, 5633.0, 5266.0, 5584.0, 5690.0, 5702.0, 5662.0, 5356.0, 5350.0, 5612.0, 5367.0, 5276.0, 5480.0, 5602.0, 5481.0, 5462.0, 5660.0, 5393.0, 5422.0, 5437.0, 5688.0, 5673.0, 5607.0, 5569.0, 5403.0, 5336.0, 5558.0, 5585.0, 5357.0, 5684.0, 5716.0, 5620.0, 5342.0, 5253.0, 5517.0, 5358.0, 5461.0, 5487.0, 5689.0,

						5568.0, 5352.0, 5668.0, 5401.0, 5263.0, 5331.0, 5529.0, 5387.0, 5365.0, 5468.0, 5467.0, 5565.0, 5708.0, 5335.0, 5370.0, 5663.0, 5312.0, 5713.0, 5425.0, 5641.0, 5477.0, 5593.0, 5412.0, 5465.0, 5573.0, 5570.0, 5385.0, 5525.0, 5691.0, 5653.0, 5551.0, 5514.0, 5504.0, 5252.0, 5427.0, 5577.0, 5432.0, 5492.0, 5397.0, 5338.0, 5526.0, 5491.0, 5521.0, 5696.0, 5279.0, 5658.0, 5627.0, 5314.0, 5391.0, 5511.0
16	5290	9	1	333	1	5486.0, 5566.0, 5515.0, 5563.0, 5273.0, 5350.0, 5319.0, 5611.0, 5341.0, 5305.0, 5260.0, 5329.0, 5693.0, 5520.0, 5427.0, 5349.0, 5343.0, 5653.0, 5678.0, 5685.0, 5300.0, 5720.0, 5711.0, 5687.0, 5257.0, 5661.0, 5389.0, 5557.0, 5352.0, 5304.0, 5625.0, 5255.0, 5417.0, 5589.0, 5658.0, 5356.0, 5591.0, 5585.0, 5642.0, 5680.0, 5374.0, 5666.0, 5618.0, 5433.0, 5438.0, 5320.0, 5721.0, 5370.0, 5489.0, 5715.0, 5662.0, 5379.0, 5579.0, 5623.0, 5494.0, 5283.0, 5388.0, 5296.0, 5705.0, 5598.0, 5628.0, 5643.0, 5322.0, 5463.0, 5645.0, 5289.0, 5590.0, 5631.0, 5635.0, 5541.0, 5308.0, 5468.0, 5580.0, 5335.0, 5476.0, 5613.0, 5529.0, 5659.0, 5483.0, 5395.0, 5672.0, 5634.0, 5605.0, 5421.0, 5287.0, 5286.0, 5256.0, 5259.0, 5279.0, 5424.0, 5650.0, 5660.0, 5450.0, 5406.0, 5497.0, 5530.0, 5501.0, 5334.0, 5657.0, 5484.0
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23	5290	9	1	333	1	5432.0, 5722.0, 5584.0, 5630.0, 5352.0, 5412.0, 5590.0, 5669.0, 5308.0, 5418.0, 5604.0, 5454.0, 5493.0, 5476.0, 5667.0, 5521.0, 5552.0, 5274.0, 5423.0, 5388.0, 5278.0, 5695.0, 5353.0, 5515.0, 5407.0, 5306.0, 5664.0, 5370.0, 5437.0, 5345.0, 5270.0, 5293.0, 5640.0, 5675.0, 5628.0, 5376.0, 5711.0, 5449.0, 5392.0, 5714.0, 5661.0, 5587.0, 5354.0, 5531.0, 5687.0, 5334.0, 5707.0, 5508.0, 5394.0, 5318.0, 5425.0, 5290.0, 5389.0, 5358.0, 5496.0, 5303.0, 5259.0, 5275.0, 5546.0, 5662.0, 5380.0, 5627.0, 5585.0, 5647.0, 5679.0, 5659.0, 5383.0, 5544.0, 5348.0, 5614.0, 5720.0, 5632.0, 5397.0, 5543.0, 5346.0, 5271.0, 5526.0, 5670.0, 5646.0, 5589.0, 5455.0, 5289.0, 5382.0, 5549.0, 5525.0, 5473.0, 5299.0, 5395.0, 5505.0, 5372.0, 5340.0, 5560.0, 5335.0, 5697.0, 5492.0, 5660.0, 5452.0, 5540.0, 5712.0, 5403.0
24	5290	9	1	333	1	5547.0, 5609.0, 5409.0, 5376.0, 5648.0, 5415.0, 5278.0, 5402.0, 5438.0, 5298.0, 5302.0, 5372.0, 5664.0, 5604.0, 5301.0, 5477.0, 5352.0, 5283.0, 5502.0, 5709.0, 5399.0, 5674.0, 5530.0, 5285.0, 5423.0, 5251.0, 5398.0, 5701.0, 5468.0, 5320.0, 5292.0, 5705.0, 5560.0, 5665.0, 5635.0,

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29	5290	9	1	333	1	5467.0, 5636.0, 5538.0, 5541.0, 5447.0, 5378.0, 5478.0, 5407.0, 5679.0, 5380.0, 5349.0, 5273.0, 5272.0, 5575.0, 5344.0, 5573.0, 5281.0, 5634.0, 5294.0, 5384.0, 5341.0, 5279.0, 5436.0, 5371.0, 5683.0, 5578.0, 5642.0, 5373.0, 5337.0, 5455.0, 5616.0, 5721.0, 5435.0, 5647.0, 5661.0, 5720.0, 5431.0, 5404.0, 5355.0, 5643.0, 5567.0, 5298.0, 5600.0, 5530.0, 5400.0, 5408.0, 5363.0, 5670.0, 5614.0, 5359.0, 5346.0, 5259.0, 5419.0, 5362.0, 5315.0, 5309.0, 5594.0, 5621.0, 5627.0, 5640.0, 5639.0, 5290.0, 5425.0, 5664.0, 5500.0, 5548.0, 5622.0, 5629.0, 5551.0, 5427.0, 5474.0, 5326.0, 5499.0, 5306.0, 5606.0, 5609.0, 5430.0, 5422.0, 5369.0, 5542.0, 5579.0, 5420.0, 5336.0, 5304.0, 5711.0, 5632.0, 5494.0, 5637.0, 5321.0, 5389.0, 5432.0, 5489.0, 5650.0, 5274.0, 5307.0, 5482.0, 5585.0, 5608.0, 5591.0, 5418.0
30	5290	9	1	333	1	5251.0, 5281.0, 5656.0, 5267.0, 5358.0, 5362.0, 5367.0, 5494.0, 5474.0, 5368.0, 5335.0, 5642.0, 5350.0, 5312.0, 5479.0, 5398.0, 5255.0, 5264.0, 5582.0, 5412.0, 5392.0, 5318.0, 5402.0, 5451.0, 5269.0,

						5282.0, 5649.0, 5314.0, 5597.0, 5652.0, 5261.0, 5586.0, 5673.0, 5279.0, 5470.0, 5355.0, 5593.0, 5270.0, 5512.0, 5379.0, 5600.0, 5446.0, 5356.0, 5430.0, 5569.0, 5422.0, 5701.0, 5253.0, 5668.0, 5502.0, 5420.0, 5475.0, 5704.0, 5464.0, 5629.0, 5515.0, 5300.0, 5573.0, 5309.0, 5453.0, 5684.0, 5468.0, 5498.0, 5395.0, 5615.0, 5540.0, 5550.0, 5610.0, 5399.0, 5293.0, 5333.0, 5519.0, 5291.0, 5376.0, 5497.0, 5427.0, 5635.0, 5647.0, 5369.0, 5549.0, 5471.0, 5499.0, 5400.0, 5504.0, 5408.0, 5445.0, 5489.0, 5353.0, 5503.0, 5619.0, 5553.0, 5284.0, 5705.0, 5511.0, 5674.0, 5287.0, 5396.0, 5292.0, 5354.0, 5436.0

40MHz

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A	15	86.7%	60%	pass
Type 1B	15	100%	60%	pass
Type 2	30	100 %	60%	Pass
Type 3	30	96.7%	60%	Pass
Type 4	30	80%	60%	Pass
Aggregate(Type1 to 4)	120	92.5%	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	62	1	858	1
2	5310	89	1	598	0
3	5310	95	1	558	0
4	5310	81	1	658	1
5	5310	70	1	758	1
6	5310	65	1	818	1
7	5310	67	1	798	1
8	5310	63	1	838	1
9	5310	61	1	878	1
10	5310	72	1	738	1
11	5310	59	1	898	1
12	5310	92	1	578	1
13	5310	68	1	778	1
14	5310	76	1	698	1
15	5310	58	1	918	1
Detection Percentage: 86.7% (>60%)					

Radar Type 1B Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5310	37	1	1463	1
2	5310	26	1	2041	1
3	5310	35	1	1551	1
4	5310	19	1	2919	1
5	5310	39	1	1355	1
6	5310	26	1	2055	1
7	5310	33	1	1629	1
8	5310	27	1	1962	1
9	5310	18	1	2962	1
10	5310	31	1	1759	1
11	5310	53	1	1014	1
12	5310	39	1	1354	1
13	5310	25	1	2189	1
14	5310	21	1	2599	1
15	5310	32	1	1662	1
Detection Percentage: 100.0 % (>60%)					

Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5310	29	2.4	199	1
2	5310	27	3.2	212	1
3	5310	26	3.1	223	1
4	5310	23	4.7	202	1
5	5310	24	3.6	152	1
6	5310	23	3.6	152	1
7	5310	28	1.8	195	1
8	5310	27	2	226	1
9	5310	25	4.9	220	1
10	5310	25	4.7	168	1
11	5310	24	1.8	151	1
12	5310	28	2.3	230	1
13	5310	29	4.6	189	1
14	5310	27	5	209	1
15	5310	25	2.8	227	1
16	5310	25	4.8	197	1
17	5310	24	2	179	1
18	5310	25	2.4	180	1
19	5310	23	4.7	180	1
20	5310	27	2.3	223	1
21	5310	29	3.2	158	1
22	5310	25	3.9	170	1
23	5310	29	4.6	184	1
24	5310	29	3.1	194	1
25	5310	29	3.3	188	1
26	5310	25	2.1	220	1
27	5310	25	1.5	167	1
28	5310	29	3	222	1
29	5310	25	2.5	211	1
30	5310	28	3.4	199	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	5310	18	6.3	463	1
2	5310	17	9.6	398	1
3	5310	17	7.1	301	1
4	5310	18	6.7	256	1
5	5310	17	6.2	318	1
6	5310	18	10	229	1
7	5310	18	7.3	293	0
8	5310	17	7.1	377	1
9	5310	17	7.1	500	1
10	5310	18	9.7	301	1
11	5310	17	7.8	408	1
12	5310	16	6.9	308	1
13	5310	16	6.1	318	1
14	5310	18	9.1	397	1
15	5310	17	8.7	451	1
16	5310	18	8.2	373	1
17	5310	18	10	265	1
18	5310	16	10	419	1
19	5310	18	6.6	269	1
20	5310	17	8.6	468	1
21	5310	16	6.8	445	1
22	5310	18	9.7	338	1
23	5310	18	6.9	418	1
24	5310	17	7.9	283	1
25	5310	16	8.4	314	1
26	5310	18	7.7	464	1
27	5310	18	6.7	265	1
28	5310	17	10	457	1
29	5310	16	9.4	271	1
30	5310	18	6.4	488	1
31	5310	17	9.5	212	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	5310	14	17.9	451	1
2	5310	14	13.1	314	1
3	5310	13	12.6	442	1
4	5310	12	16.4	246	0
5	5310	14	15.3	262	1
6	5310	13	12	326	1
7	5310	14	17.3	210	0
8	5310	12	16.6	400	1
9	5310	16	19.6	222	0
10	5310	13	16.3	308	1
11	5310	12	15.6	394	1
12	5310	13	17.9	390	1
13	5310	14	19.8	477	1
14	5310	14	17.5	372	1
15	5310	16	15.9	358	1
16	5310	12	12.8	478	1
17	5310	16	17	438	1
18	5310	12	11.1	245	1
19	5310	13	13.6	413	0
20	5310	15	14.3	289	1
21	5310	14	15.5	413	1
22	5310	12	12.9	390	1
23	5310	15	16.6	255	1
24	5310	14	17.8	275	1
25	5310	15	11	252	1
26	5310	15	19.7	245	0
27	5310	14	18.2	351	1
28	5310	16	13.3	411	1
29	5310	13	12.5	272	1
30	5310	12	17.5	379	0
Detection Percentage: 80.0 % (>60%)					

Radar Type 5 Case 1 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5310.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	13	87	1552		0.321067	1
1	3	13	65.6	1831	1045	1.644856	
2	3	13	55.6	1568	1447	2.203635	
3	2	13	69.9	1621		4.088238	
4	1	13	62.1			4.750078	
5	2	13	54.8	1498		5.741628	
6	1	13	89.5			7.225064	
7	2	13	88.4	1597		8.570818	
8	2	13	65.4	1119		9.415123	
9	3	13	82.6	1706	1079	10.652462	
10	2	13	98.4	1918		11.037473	

Statistics 2 (ChirpCenter Frequency: 5310.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	11	71.1	1226		1.072482	1
1	3	11	77.8	1854	1707	1.713952	
2	1	11	77.1			3.237334	
3	2	11	82.2	1361		5.147596	
4	3	11	92.7	1405	1101	5.871239	
5	1	11	52			6.882662	
6	1	11	79.6			8.503934	
7	2	11	99	1685		9.577152	
8	2	11	63.4	1824		11.006462	

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	1	15	70.3			0.344061	1
1	2	15	63	1239		1.042549	
2	1	15	73.9			1.508796	
3	1	15	83.7			2.191465	
4	2	15	81.8	1817		3.014091	
5	1	15	60.4			3.598631	
6	2	15	83.2	1176		4.586172	
7	1	15	63.8			5.258311	
8	2	15	79.4	1313		5.493654	
9	3	15	68.9	1036	1767	6.242608	
10	2	15	55.2	1834		7.321339	
11	2	15	74	1767		7.959415	
12	3	15	91	1975	1278	8.633215	
13	2	15	96.4	1900		9.320014	
14	2	15	58.5	1521		9.946403	
15	3	15	61.9	1164	1497	10.005834	
16	1	15	59.9			10.835872	
17	2	15	61.8	1975		11.772208	

Statistics 4 (ChirpCenter Frequency: 5310.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(µS)	Pulse 2-3 spacing(µS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	8	79.9	1411		0.291375	
1	2	8	58.8	1555		0.754501	
2	2	8	96.8	1606		1.945287	
3	1	8	95.1			2.458062	
4	1	8	97.7			3.06609	
5	2	8	61.1	1689		3.906364	
6	2	8	90.9	1801		4.351363	
7	2	8	88.8	1269		5.5714	
8	2	8	62.1	1299		5.683972	1
9	3	8	65.5	1332	1721	6.714368	
10	2	8	99	1914		7.509453	
11	2	8	94.4	1856		8.207734	
12	2	8	61.3	1460		9.120859	
13	1	8	90.3			9.451942	
14	2	8	81.1	1534		10.162077	
15	1	8	73.6			11.085663	
16	1	8	63.7			11.736699	

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	8	88.7	1490		0.466152	
1	2	8	72.7	1146		0.660207	
2	3	8	69.5	1462	1506	1.645962	
3	3	8	74.6	1635	1779	2.135396	
4	1	8	59.2			2.961521	
5	1	8	95.4			3.478809	
6	3	8	77.7	1158	1572	4.109184	
7	2	8	80.7	1789		4.588911	
8	2	8	53.7	1368		5.378767	
9	3	8	75.5	1512	1279	5.686759	1
10	1	8	90.7			6.728932	
11	2	8	85.9	1896		7.408152	
12	1	8	93.3			7.997963	
13	2	8	69.9	1411		8.746729	
14	2	8	64	1589		9.033195	
15	1	8	54.9			9.779441	
16	1	8	51.6			10.556547	
17	3	8	79.7	1458	1694	11.015141	
18	1	8	77.5			11.585746	

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	3	10	91.4	1161	1112	0.36015	1
1	2	10	75.6	1943		1.408678	
2	3	10	71.8	1321	1811	2.466497	
3	1	10	55			3.646201	
4	1	10	68.4			4.267443	
5	2	10	80.6	1011		4.892387	
6	2	10	98.1	1544		5.589435	
7	2	10	65.8	1093		6.720538	
8	2	10	55.2	1243		7.923152	
9	1	10	77.5			9.07335	
10	1	10	52.6			9.988963	
11	2	10	60.6	1267		10.512601	
12	1	10	67.2			11.087077	

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	16	58.9	1724		0.409073	1
1	1	16	53.8			1.165711	
2	2	16	78.1	1945		2.091185	
3	2	16	55.6	1958		2.361167	
4	2	16	95.4	1310		3.282884	
5	2	16	71.4	1019		4.108521	
6	1	16	95.6			4.839516	
7	1	16	92.7			5.718134	
8	2	16	68.5	1589		6.464911	
9	1	16	67.7			7.264724	
10	3	16	79.3	1793	1724	7.70316	
11	2	16	73.1	1539		8.85644	
12	1	16	84.6			9.56711	
13	3	16	94.7	1256	1970	10.047767	
14	1	16	82.5			11.107954	
15	3	16	68.2	1333	1480	11.923669	

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	1	10	88.1			0.568399	1
1	3	10	73.9	1179	1076	1.268395	
2	3	10	87	1500	1496	2.157626	
3	1	10	51.6			3.504518	
4	2	10	56.2	1558		3.905859	
5	1	10	85.4			4.721343	
6	1	10	71.7			6.452656	
7	2	10	99.7	1474		7.102126	
8	3	10	99.9	1396	1199	7.850443	
9	2	10	86.7	1462		8.984607	
10	2	10	53.9	1552		9.551387	
11	2	10	82.7	1680		10.567369	
12	3	10	85.2	1780	1721	11.96849	

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	3	15	90.1	1672	1072	0.414385	1
1	2	15	76	1431		0.864096	
2	1	15	59			1.978037	
3	2	15	50.8	1134		2.614474	
4	2	15	61.8	1222		3.145491	
5	2	15	68.3	1942		3.969491	
6	1	15	85.5			4.879251	
7	1	15	56.5			5.559114	
8	2	15	94.4	1647		6.265394	
9	3	15	72.4	2000	1682	7.069162	
10	3	15	99	1516	1930	7.728613	
11	3	15	79.9	1039	1910	8.292905	
12	3	15	52.7	1291	1054	9.247115	
13	2	15	84.9	1784		10.393432	
14	2	15	60.8	1158		10.838865	
15	3	15	73.9	1652	1051	11.266065	

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	14	74.2	1129		0.267848	
1	1	14	63.3			1.083716	
2	2	14	55.6	1551		1.810677	
3	2	14	77.5	1754		1.962597	
4	2	14	95	1183		2.631005	
5	2	14	98.3	1433		3.204905	
6	1	14	75.3			3.893205	
7	2	14	83.5	1976		4.964241	
8	3	14	50.1	1294	1634	5.655687	
9	3	14	53.3	1298	1100	6.035692	1
10	2	14	71.4	1254		6.705122	
11	2	14	75.7	1836		7.173216	
12	3	14	88.9	1024	1701	7.715505	
13	2	14	95.5	1690		8.669017	
14	2	14	50.2	1020		9.034427	
15	2	14	75.5	1946		10.062794	
16	3	14	76	1569	1182	10.681999	
17	2	14	69.5	1406		11.150983	
18	1	14	86			11.402908	

Radar Type 5 Case 2 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5297.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	17	64.1	1598		0.7802	1
1	1	17	52.5			1.014842	
2	2	17	85	1286		2.43049	
3	3	17	91.5	1413	1689	2.685954	
4	2	17	77.7	1864		3.581542	
5	1	17	54.4			4.816962	
6	2	17	59	1341		5.949392	
7	3	17	54.1	1597	1381	6.709081	
8	3	17	72.7	1122	1119	7.68381	
9	2	17	50	1983		8.033288	
10	1	17	99.8			8.671367	
11	3	17	83.4	1923	1592	10.089338	
12	2	17	62	1370		11.075487	
13	2	17	50	1942		11.718133	

Statistics 2 (ChirpCenter Frequency: 5296.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	15	81.5	1359		0.587231	1
1	1	15	71.6			1.680123	
2	3	15	80.7	1728	1251	3.55256	
3	3	15	75.1	1074	1614	4.144022	
4	3	15	75.4	1677	1205	5.927223	
5	2	15	93.2	1012		7.482758	
6	2	15	98.3	1210		8.272445	
7	2	15	58.4	1163		9.575253	
8	3	15	84.4	1249	1364	11.541264	

Statistics 3 (ChirpCenter Frequency: 5295.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	12	90.2	1968	1602	0.866453	1
1	3	12	91.4	1399	1080	1.351807	
2	3	12	89.5	1240	1057	3.48535	
3	2	12	57.3	1251		4.529967	
4	1	12	79.4			5.77395	
5	2	12	81.7	1964		6.804252	
6	2	12	58	1691		7.911965	
7	3	12	70.5	1815	1073	9.214103	
8	2	12	63	1984		9.758077	
9	2	12	56.4	1950		11.250295	

Statistics 4 (ChirpCenter Frequency: 5293.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	7	96.6			0.438459	1
1	1	7	58.6			1.386442	
2	3	7	83.6	1872	1672	1.870197	
3	2	7	52.3	1535		2.381086	
4	3	7	84.2	1369	1902	3.182399	
5	1	7	79.6			4.426158	
6	1	7	84.3			4.826974	
7	1	7	93.7			5.448925	
8	1	7	95.3			6.418044	
9	3	7	80.7	1594	1240	7.462853	
10	3	7	87.1	1709	1350	7.732455	
11	2	7	75.5	1265		8.3473	
12	3	7	98.2	1569	1704	9.449684	
13	2	7	69.7	1637		10.280962	
14	2	7	99	1748		10.505212	
15	1	7	98.1			11.965251	

Statistics 5 (ChirpCenter Frequency: 5295.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(µS)	Pulse 2-3 spacing(µS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	12	84.5	1110		1.318151	1
1	2	12	70.9	1546		2.53463	
2	2	12	76.4	1902		3.445338	
3	1	12	87.9			5.135699	
4	2	12	68.6	1130		5.991683	
5	2	12	92.8	1264		6.982229	
6	3	12	74.3	1398	1587	8.676203	
7	1	12	99.5			9.762902	
8	3	12	57	1879	1454	11.584244	

Statistics 6 (ChirpCenter Frequency: 5295.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(µS)	Pulse 2-3 spacing(µS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	12	83.8	1149		0.199053	1
1	3	12	70.3	1561	1483	0.906136	
2	2	12	55.1	1388		2.220361	
3	1	12	60			2.905181	
4	2	12	68.5	1990		3.716508	
5	2	12	86.5	1172		3.927001	
6	1	12	76.6			4.926768	
7	2	12	89	1680		5.752894	
8	2	12	74.5	1429		6.277333	
9	2	12	68.8	1111		7.133288	
10	3	12	60.9	1784	1751	7.505269	
11	2	12	98.7	1880		8.389436	
12	2	12	86.5	1896		9.13362	
13	1	12	51.1			10.407224	
14	1	12	90.9			10.704147	
15	3	12	70.5	1484	1993	11.724242	

Statistics 7 (ChirpCenter Frequency: 5297.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	18	96.1	1340	1669	0.152284	1
1	2	18	60.1	1786		0.906164	
2	2	18	54.6	1862		2.245719	
3	3	18	54.5	1883	1603	3.387282	
4	3	18	67.4	1282	1278	4.152605	
5	2	18	93.7	1780		5.123115	
6	2	18	84	1607		5.312544	
7	1	18	79.1			6.255709	
8	2	18	83.4	1512		7.359454	
9	2	18	71	1052		8.030971	
10	2	18	81.5	1767		8.988697	
11	1	18	83.9			9.962098	
12	1	18	99.6			11.13296	
13	1	18	59.7			11.710597	

Statistics 8 (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	14	94.5	1767		0.341409	1
1	1	14	97.4			1.380635	
2	2	14	59.6	1468		2.194857	
3	3	14	91	1662	1063	2.475638	
4	2	14	79.7	1577		3.528913	
5	3	14	96.9	1735	1204	4.669737	
6	2	14	98.7	1926		5.042749	
7	2	14	56.7	1694		5.949961	
8	2	14	92.5	1376		7.083946	
9	3	14	82.2	1431	1452	7.680537	
10	2	14	72.7	1039		8.626029	
11	2	14	58.8	1211		8.857017	
12	1	14	84.8			9.792915	
13	2	14	52.2	1196		10.679547	
14	2	14	99.8	1188		11.564586	

Statistics 9 (ChirpCenter Frequency: 5295.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(µS)	Pulse 2-3 spacing(µS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	13	59	1874		0.641839	1
1	2	13	52.2	1796		0.893841	
2	3	13	72.1	1617	1287	1.841935	
3	1	13	72.7			2.205771	
4	2	13	93.7	1499		2.862334	
5	3	13	65.4	1370	1287	3.373671	
6	2	13	85.4	1721		4.115698	
7	3	13	71.9	1618	1095	4.966822	
8	3	13	92.7	1246	1665	5.724497	
9	3	13	50.1	1237	1889	6.41703	
10	2	13	99	1996		6.790361	
11	1	13	94.7			7.567785	
12	1	13	95			8.497617	
13	1	13	59.2			9.107497	
14	2	13	98.8	1418		9.832134	
15	2	13	74.2	1724		10.459993	
16	1	13	98.7			10.987965	
17	2	13	82.3	1951		11.848343	

Statistics 10 (ChirpCenter Frequency: 5295.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(µS)	Pulse 2-3 spacing(µS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	12	93	1686		0.734333	1
1	2	12	99	1185		1.038733	
2	1	12	89.5			2.29224	
3	2	12	63.3	1104		3.261655	
4	2	12	79	1119		4.007396	
5	2	12	55.5	1164		5.049415	
6	3	12	78.5	1474	1414	6.81905	
7	3	12	97.2	1846	1001	7.064655	
8	1	12	90.8			8.433389	
9	2	12	55.9	1150		9.587803	
10	2	12	56	1767		10.464965	
11	2	12	77.9	1285		11.157098	

Radar Type 5 Case 3 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5323.0MHz)

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	17	58.4			0.676216	1
1	1	17	90.1			2.358133	
2	2	17	81.5	1457		3.657152	
3	2	17	80.7	1404		4.767213	
4	2	17	98.5	1800		7.237412	
5	3	17	58.1	1235	1019	7.595803	
6	1	17	97.2			10.186172	
7	1	17	51.9			10.505623	

Statistics 2 (ChirpCenter Frequency: 5328.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	6	91.3	1728		0.190852	1
1	1	6	53			0.889265	
2	2	6	93.3	1251		1.979477	
3	1	6	82.2			2.840579	
4	3	6	91.1	1586	1926	3.312486	
5	1	6	77.6			4.220495	
6	2	6	96	1003		5.055629	
7	2	6	97	1512		5.414535	
8	2	6	58	1196		6.154762	
9	2	6	64.1	1248		7.389547	
10	2	6	65.3	1739		7.857578	
11	3	6	79.4	1978	1047	8.873588	
12	1	6	70.6			9.487693	
13	2	6	65.5	1281		9.844991	
14	3	6	92.9	1706	1600	11.222589	
15	2	6	56.6	1787		11.75511	

Statistics 3 (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	64.6	1795		0.241079	
1	3	15	59.3	1507	1600	2.645518	
2	3	15	52.1	1449	1936	3.423933	
3	2	15	73.4	1024		5.253712	
4	2	15	81.6	1845		5.670441	1
5	3	15	68.7	1043	1659	7.087602	
6	2	15	82.2	1811		9.217395	
7	1	15	78.4			10.054793	
8	3	15	52.4	1166	1705	11.971164	

Statistics 4 (ChirpCenter Frequency: 5324.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	16	52	1930		0.135068	
1	2	16	58.5	1291		0.727145	
2	2	16	93.5	1104		1.663059	
3	2	16	81.9	1707		2.447372	
4	2	16	51.7	1967		2.782412	
5	2	16	83.9	1032		3.56053	
6	2	16	77.7	1870		4.38958	
7	2	16	68.1	1729		5.015159	
8	3	16	75	1426	1775	5.689093	
9	3	16	68.4	1881	1790	6.457634	1
10	3	16	86.2	1209	1370	6.697993	
11	1	16	66.9			7.698755	
12	1	16	60.5			8.613776	
13	3	16	58.1	1650	1956	8.898059	
14	2	16	79.2	1562		9.818303	
15	3	16	60.2	1918	1707	10.285424	
16	3	16	62.7	1926	1112	10.909907	
17	3	16	84	1013	1325	11.701642	

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	1	12	97.9			0.573203	1
1	2	12	80.7	1876		1.285314	
2	2	12	76	1212		2.032159	
3	1	12	71.1			2.270179	
4	2	12	66	1049		3.095977	
5	2	12	60.3	1627		4.265077	
6	2	12	84.3	1190		4.998727	
7	3	12	79.6	1684	1950	5.64358	
8	1	12	82.2			6.724454	
9	1	12	72.8			7.075569	
10	3	12	58.5	1141	1922	7.657606	
11	1	12	51.3			8.797377	
12	2	12	98.2	1705		9.399855	
13	1	12	91.3			9.98921	
14	3	12	58.5	1553	1344	10.664129	
15	2	12	56.4	1468		11.277845	

Statistics 6 (ChirpCenter Frequency: 5326.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(µS)	Pulse 2-3 spacing(µS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	10	60	1948		0.76427	1
1	3	10	75.8	1145	1355	1.495485	
2	2	10	80.6	1181		2.130169	
3	2	10	62.2	1161		2.505119	
4	1	10	56.8			3.914347	
5	2	10	61.1	1457		4.072299	
6	3	10	56.1	1433	1481	5.120335	
7	2	10	74.6	1134		5.989797	
8	3	10	78.1	1581	1534	6.913295	
9	1	10	57.3			7.792561	
10	3	10	86.9	1624	1679	8.031481	
11	1	10	88.2			9.509196	
12	2	10	86.9	1295		10.377573	
13	1	10	98.6			10.836438	
14	3	10	92.4	1385	1286	11.955555	

Statistics 7 (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	9	62.8	1946	1023	0.120133	1
1	3	9	94	1946	1575	0.931126	
2	2	9	53.1	1934		1.739486	
3	2	9	82.2	1127		2.412408	
4	2	9	71.4	1439		3.144351	
5	2	9	90.4	1172		3.653417	
6	2	9	75.9	1336		4.409075	
7	1	9	63.4			4.805187	
8	2	9	78.8	1730		5.499809	
9	3	9	88.2	1679	1135	6.566897	
10	1	9	58.9			6.81893	
11	2	9	95.8	1320		7.603969	
12	2	9	84.8	1571		8.279901	
13	1	9	83.1			8.901469	
14	2	9	59.2	1004		9.837037	
15	1	9	76.2			10.139756	
16	1	9	76.2			11.161565	
17	2	9	75.5	1815		11.890417	

Statistics 8 (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	1	10	87.6			0.402733	1
1	1	10	51.7			0.845024	
2	1	10	99.1			1.47125	
3	2	10	94.5	1756		2.128944	
4	1	10	92.3			2.794674	
5	1	10	95			3.264827	
6	1	10	55.2			3.81721	
7	1	10	87.2			4.86052	
8	1	10	64.8			5.63197	
9	2	10	71.2	1396		6.106413	
10	2	10	62.8	1412		6.615609	
11	2	10	89.1	1998		7.503272	
12	2	10	93.5	1807		7.615567	
13	2	10	56.6	1890		8.72226	
14	1	10	69.4			8.871907	
15	1	10	81.7			9.974946	
16	2	10	76.1	1938		10.215882	
17	1	10	61.8			11.054345	
18	2	10	92.1	1444		11.798513	

Statistics 9 (ChirpCenter Frequency: 5327.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(µS)	Pulse 2-3 spacing(µS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	8	65.2	1772	1689	0.260056	
1	1	8	51.1			1.136528	
2	3	8	75	1625	1482	1.607909	
3	1	8	52.8			2.522317	
4	2	8	62.5	1926		3.017448	
5	3	8	79.4	1326	1233	3.421169	
6	2	8	84.8	1866		4.260253	
7	3	8	66.1	1440	1883	4.501146	
8	2	8	85.8	1438		5.454065	
9	3	8	79.5	1522	1627	6.230066	1
10	2	8	72.9	1115		6.550517	
11	2	8	53.2	1956		7.336169	
12	3	8	65.5	1638	1946	7.664782	
13	2	8	76.6	1471		8.406612	
14	3	8	80.3	1471	1144	9.239205	
15	2	8	91	1294		9.953406	
16	3	8	63.7	1305	1417	10.724776	
17	2	8	71.3	1512		11.322367	
18	3	8	84	1074	1183	11.571034	

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	3	16	71	1342	1298	0.874502	
1	2	16	82.5	1438		1.086314	
2	3	16	54.4	1170	1993	2.371398	
3	2	16	59.6	1100		2.780897	
4	1	16	80.5			3.810093	
5	2	16	99.4	1473		5.155961	
6	2	16	77.2	1006		6.161481	1
7	2	16	56.1	1324		6.655635	
8	2	16	55.9	1124		8.22121	
9	1	16	85			8.724745	
10	2	16	65.1	1437		9.801362	
11	2	16	56.4	1022		11.058652	
12	1	16	98.6			11.328552	

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	5473.0, 5320.0, 5445.0, 5596.0, 5501.0, 5665.0, 5668.0, 5398.0, 5518.0, 5290.0, 5423.0, 5633.0, 5712.0, 5703.0, 5557.0, 5691.0, 5399.0, 5474.0, 5590.0, 5610.0, 5565.0, 5635.0, 5500.0, 5425.0, 5471.0, 5576.0, 5368.0, 5506.0, 5331.0, 5389.0, 5645.0, 5561.0, 5544.0, 5508.0, 5534.0, 5634.0, 5358.0, 5476.0, 5326.0, 5364.0, 5467.0, 5441.0, 5584.0, 5293.0, 5415.0, 5374.0, 5262.0, 5519.0, 5382.0, 5335.0, 5447.0, 5310.0, 5523.0, 5490.0, 5426.0, 5657.0, 5257.0, 5375.0, 5409.0, 5485.0, 5367.0, 5602.0, 5495.0, 5573.0, 5548.0, 5486.0, 5683.0, 5372.0, 5274.0, 5717.0, 5694.0, 5614.0, 5424.0, 5563.0, 5552.0, 5327.0, 5671.0, 5483.0, 5594.0, 5686.0, 5629.0, 5391.0, 5405.0, 5371.0, 5278.0, 5609.0, 5491.0, 5387.0, 5313.0, 5259.0, 5350.0, 5542.0, 5442.0, 5704.0, 5603.0, 5684.0, 5581.0, 5696.0, 5571.0, 5339.0
2	5310	9	1	333	1	5275.0, 5380.0, 5485.0, 5533.0, 5319.0, 5721.0, 5570.0, 5628.0, 5604.0, 5254.0, 5495.0, 5465.0, 5405.0, 5427.0, 5294.0, 5572.0, 5698.0, 5645.0, 5279.0, 5376.0, 5260.0, 5305.0, 5379.0, 5411.0, 5347.0, 5422.0, 5341.0, 5592.0, 5694.0, 5386.0, 5677.0, 5693.0, 5336.0, 5722.0, 5418.0, 5720.0, 5544.0, 5415.0, 5543.0, 5328.0, 5307.0, 5589.0, 5445.0, 5701.0, 5350.0, 5409.0, 5264.0, 5684.0, 5484.0, 5343.0, 5344.0, 5643.0, 5669.0, 5672.0, 5356.0, 5630.0, 5396.0, 5532.0, 5322.0, 5447.0, 5360.0, 5560.0, 5638.0, 5253.0, 5393.0, 5400.0, 5651.0, 5593.0, 5439.0, 5402.0, 5505.0, 5635.0, 5265.0, 5655.0, 5625.0, 5269.0, 5712.0, 5702.0, 5278.0, 5483.0, 5602.0, 5417.0, 5491.0, 5629.0, 5433.0, 5355.0, 5351.0, 5664.0, 5600.0, 5552.0, 5673.0, 5499.0, 5647.0, 5407.0, 5406.0, 5473.0, 5321.0, 5668.0, 5581.0, 5440.0
3	5310	9	1	333	1	5353.0, 5627.0, 5483.0, 5333.0, 5620.0, 5609.0, 5715.0, 5628.0, 5708.0, 5668.0, 5422.0, 5578.0, 5459.0, 5370.0, 5449.0, 5290.0, 5510.0, 5472.0, 5490.0, 5326.0, 5494.0, 5406.0, 5383.0, 5402.0, 5531.0, 5293.0, 5653.0, 5442.0, 5633.0, 5328.0, 5470.0, 5521.0, 5327.0, 5593.0, 5414.0, 5702.0, 5415.0, 5544.0, 5468.0, 5622.0, 5706.0, 5341.0, 5395.0, 5320.0, 5426.0, 5386.0, 5273.0, 5356.0, 5499.0, 5582.0, 5433.0, 5263.0, 5304.0, 5404.0, 5254.0, 5588.0, 5625.0, 5631.0, 5361.0, 5451.0, 5684.0, 5340.0, 5310.0, 5584.0, 5608.0, 5716.0, 5632.0, 5282.0, 5454.0, 5665.0,

						5464.0, 5514.0, 5280.0, 5525.0, 5601.0, 5559.0, 5639.0, 5378.0, 5489.0, 5268.0, 5641.0, 5527.0, 5272.0, 5615.0, 5482.0, 5667.0, 5335.0, 5317.0, 5629.0, 5382.0, 5589.0, 5580.0, 5398.0, 5592.0, 5553.0, 5719.0, 5498.0, 5685.0, 5256.0, 5618.0
4	5310	9	1	333	1	5354.0, 5500.0, 5611.0, 5699.0, 5544.0, 5396.0, 5488.0, 5568.0, 5417.0, 5689.0, 5639.0, 5654.0, 5637.0, 5589.0, 5602.0, 5691.0, 5476.0, 5551.0, 5293.0, 5703.0, 5403.0, 5487.0, 5384.0, 5414.0, 5531.0, 5428.0, 5341.0, 5337.0, 5672.0, 5633.0, 5507.0, 5255.0, 5508.0, 5262.0, 5681.0, 5325.0, 5656.0, 5695.0, 5628.0, 5257.0, 5446.0, 5439.0, 5540.0, 5685.0, 5454.0, 5617.0, 5336.0, 5554.0, 5555.0, 5343.0, 5385.0, 5700.0, 5408.0, 5254.0, 5330.0, 5313.0, 5483.0, 5448.0, 5275.0, 5665.0, 5614.0, 5577.0, 5430.0, 5497.0, 5265.0, 5411.0, 5327.0, 5529.0, 5339.0, 5714.0, 5711.0, 5332.0, 5413.0, 5360.0, 5429.0, 5377.0, 5517.0, 5318.0, 5552.0, 5423.0, 5301.0, 5496.0, 5252.0, 5521.0, 5645.0, 5506.0, 5464.0, 5566.0, 5435.0, 5676.0, 5660.0, 5287.0, 5567.0, 5542.0, 5501.0, 5585.0, 5453.0, 5710.0, 5279.0, 5598.0
5	5310	9	1	333	1	5614.0, 5587.0, 5422.0, 5568.0, 5348.0, 5320.0, 5503.0, 5627.0, 5608.0, 5282.0, 5481.0, 5695.0, 5324.0, 5489.0, 5624.0, 5452.0, 5542.0, 5349.0, 5517.0, 5519.0, 5414.0, 5579.0, 5499.0, 5384.0, 5396.0, 5435.0, 5403.0, 5514.0, 5610.0, 5295.0, 5487.0, 5434.0, 5261.0, 5572.0, 5336.0, 5666.0, 5473.0, 5267.0, 5397.0, 5544.0, 5638.0, 5644.0, 5636.0, 5391.0, 5622.0, 5375.0, 5694.0, 5428.0, 5532.0, 5299.0, 5367.0, 5521.0, 5311.0, 5469.0, 5650.0, 5631.0, 5283.0, 5559.0, 5505.0, 5563.0, 5351.0, 5678.0, 5580.0, 5720.0, 5490.0, 5293.0, 5253.0, 5528.0, 5284.0, 5477.0, 5476.0, 5462.0, 5309.0, 5683.0, 5595.0, 5669.0, 5545.0, 5341.0, 5590.0, 5717.0, 5498.0, 5446.0, 5675.0, 5604.0, 5381.0, 5585.0, 5252.0, 5541.0, 5273.0, 5561.0, 5270.0, 5495.0, 5556.0, 5379.0, 5371.0, 5287.0, 5329.0, 5594.0, 5581.0, 5390.0
6	5310	9	1	333	1	5514.0, 5492.0, 5329.0, 5417.0, 5292.0, 5674.0, 5713.0, 5626.0, 5331.0, 5462.0, 5377.0, 5347.0, 5375.0, 5272.0, 5569.0, 5368.0, 5468.0, 5504.0, 5497.0, 5544.0, 5457.0, 5632.0, 5365.0, 5641.0, 5337.0, 5658.0, 5266.0, 5642.0, 5643.0, 5566.0, 5445.0, 5271.0, 5443.0, 5570.0, 5398.0, 5573.0, 5567.0, 5542.0, 5502.0, 5699.0, 5397.0, 5257.0, 5717.0, 5451.0, 5418.0, 5701.0, 5672.0, 5333.0, 5599.0, 5369.0, 5572.0, 5480.0, 5711.0, 5348.0, 5488.0, 5529.0, 5297.0, 5553.0, 5328.0, 5615.0, 5516.0, 5620.0, 5600.0, 5300.0, 5680.0,

						5500.0, 5459.0, 5358.0, 5541.0, 5668.0, 5619.0, 5372.0, 5578.0, 5476.0, 5374.0, 5426.0, 5697.0, 5687.0, 5523.0, 5714.0, 5595.0, 5618.0, 5637.0, 5371.0, 5408.0, 5521.0, 5515.0, 5407.0, 5276.0, 5341.0, 5288.0, 5472.0, 5655.0, 5393.0, 5384.0, 5651.0, 5660.0, 5706.0, 5645.0, 5719.0
7	5310	9	1	333	1	5704.0, 5267.0, 5501.0, 5515.0, 5706.0, 5490.0, 5251.0, 5723.0, 5466.0, 5542.0, 5413.0, 5628.0, 5400.0, 5441.0, 5668.0, 5418.0, 5412.0, 5354.0, 5344.0, 5661.0, 5494.0, 5294.0, 5445.0, 5258.0, 5680.0, 5437.0, 5562.0, 5349.0, 5493.0, 5541.0, 5652.0, 5265.0, 5341.0, 5504.0, 5505.0, 5317.0, 5322.0, 5422.0, 5499.0, 5419.0, 5676.0, 5456.0, 5577.0, 5528.0, 5276.0, 5611.0, 5671.0, 5372.0, 5427.0, 5487.0, 5338.0, 5424.0, 5346.0, 5543.0, 5453.0, 5619.0, 5537.0, 5359.0, 5262.0, 5320.0, 5340.0, 5555.0, 5653.0, 5314.0, 5549.0, 5468.0, 5421.0, 5345.0, 5622.0, 5598.0, 5284.0, 5602.0, 5596.0, 5688.0, 5469.0, 5513.0, 5623.0, 5556.0, 5707.0, 5695.0, 5539.0, 5526.0, 5323.0, 5510.0, 5440.0, 5687.0, 5645.0, 5607.0, 5497.0, 5484.0, 5696.0, 5719.0, 5292.0, 5533.0, 5321.0, 5459.0, 5428.0, 5462.0, 5697.0, 5282.0
8	5310	9	1	333	1	5515.0, 5575.0, 5443.0, 5584.0, 5684.0, 5444.0, 5328.0, 5376.0, 5426.0, 5509.0, 5636.0, 5264.0, 5348.0, 5353.0, 5577.0, 5325.0, 5588.0, 5327.0, 5415.0, 5715.0, 5478.0, 5437.0, 5344.0, 5284.0, 5305.0, 5610.0, 5378.0, 5650.0, 5253.0, 5532.0, 5492.0, 5277.0, 5689.0, 5602.0, 5375.0, 5641.0, 5429.0, 5622.0, 5332.0, 5433.0, 5273.0, 5594.0, 5566.0, 5591.0, 5605.0, 5516.0, 5613.0, 5449.0, 5648.0, 5380.0, 5652.0, 5621.0, 5628.0, 5615.0, 5377.0, 5350.0, 5445.0, 5299.0, 5506.0, 5564.0, 5298.0, 5531.0, 5544.0, 5551.0, 5562.0, 5573.0, 5452.0, 5510.0, 5368.0, 5365.0, 5297.0, 5629.0, 5570.0, 5479.0, 5340.0, 5278.0, 5267.0, 5292.0, 5634.0, 5623.0, 5586.0, 5326.0, 5522.0, 5266.0, 5512.0, 5491.0, 5644.0, 5280.0, 5592.0, 5428.0, 5590.0, 5541.0, 5494.0, 5699.0, 5411.0, 5557.0, 5682.0, 5638.0, 5673.0, 5441.0
9	5310	9	1	333	1	5696.0, 5577.0, 5714.0, 5329.0, 5356.0, 5680.0, 5646.0, 5382.0, 5625.0, 5323.0, 5715.0, 5530.0, 5616.0, 5703.0, 5358.0, 5473.0, 5435.0, 5294.0, 5365.0, 5393.0, 5688.0, 5269.0, 5526.0, 5410.0, 5289.0, 5262.0, 5330.0, 5632.0, 5444.0, 5644.0, 5428.0, 5415.0, 5538.0, 5517.0, 5318.0, 5451.0, 5338.0, 5267.0, 5541.0, 5524.0, 5429.0, 5281.0, 5569.0, 5621.0, 5351.0, 5251.0, 5265.0, 5427.0, 5583.0, 5311.0, 5602.0, 5565.0, 5675.0, 5597.0, 5370.0, 5376.0, 5702.0, 5708.0, 5395.0, 5493.0,

						5308.0, 5447.0, 5668.0, 5401.0, 5333.0, 5352.0, 5454.0, 5679.0, 5651.0, 5252.0, 5557.0, 5485.0, 5298.0, 5591.0, 5556.0, 5396.0, 5590.0, 5545.0, 5379.0, 5544.0, 5418.0, 5603.0, 5508.0, 5704.0, 5288.0, 5276.0, 5256.0, 5562.0, 5392.0, 5558.0, 5701.0, 5440.0, 5698.0, 5658.0, 5284.0,
10	5310	9	1	333	1	5366.0, 5719.0, 5551.0, 5495.0, 5436.0, 5294.0, 5712.0, 5668.0, 5355.0, 5257.0, 5360.0, 5703.0, 5714.0, 5364.0, 5625.0, 5558.0, 5616.0, 5403.0, 5651.0, 5624.0, 5477.0, 5557.0, 5302.0, 5399.0, 5556.0, 5297.0, 5474.0, 5337.0, 5270.0, 5353.0, 5645.0, 5426.0, 5292.0, 5485.0, 5629.0, 5376.0, 5481.0, 5511.0, 5681.0, 5587.0, 5646.0, 5486.0, 5602.0, 5604.0, 5462.0, 5468.0, 5515.0, 5541.0, 5284.0, 5441.0, 5414.0, 5653.0, 5438.0, 5597.0, 5278.0, 5304.0, 5679.0, 5677.0, 5266.0, 5593.0, 5579.0, 5507.0, 5377.0, 5330.0, 5281.0, 5358.0, 5395.0, 5444.0, 5702.0, 5488.0, 5658.0, 5393.0, 5489.0, 5641.0, 5688.0, 5456.0, 5672.0, 5606.0, 5417.0, 5480.0, 5313.0, 5555.0, 5401.0, 5285.0, 5453.0, 5356.0, 5487.0, 5450.0, 5262.0, 5683.0, 5547.0, 5404.0, 5274.0, 5293.0, 5636.0, 5256.0, 5351.0, 5253.0, 5526.0, 5394.0
11	5310	9	1	333	1	5686.0, 5286.0, 5518.0, 5255.0, 5590.0, 5267.0, 5542.0, 5481.0, 5660.0, 5568.0, 5607.0, 5469.0, 5296.0, 5378.0, 5498.0, 5719.0, 5441.0, 5344.0, 5540.0, 5659.0, 5636.0, 5337.0, 5709.0, 5374.0, 5380.0, 5548.0, 5309.0, 5315.0, 5682.0, 5386.0, 5645.0, 5402.0, 5458.0, 5399.0, 5353.0, 5707.0, 5320.0, 5285.0, 5294.0, 5512.0, 5602.0, 5265.0, 5283.0, 5277.0, 5545.0, 5415.0, 5266.0, 5673.0, 5382.0, 5461.0, 5699.0, 5543.0, 5420.0, 5392.0, 5717.0, 5482.0, 5604.0, 5510.0, 5319.0, 5360.0, 5544.0, 5683.0, 5702.0, 5377.0, 5343.0, 5505.0, 5403.0, 5352.0, 5387.0, 5633.0, 5658.0, 5651.0, 5257.0, 5612.0, 5418.0, 5519.0, 5508.0, 5621.0, 5302.0, 5684.0, 5279.0, 5625.0, 5722.0, 5268.0, 5535.0, 5556.0, 5274.0, 5592.0, 5368.0, 5332.0, 5605.0, 5311.0, 5460.0, 5558.0, 5423.0, 5293.0, 5479.0, 5631.0, 5445.0, 5396.0
12	5310	9	1	333	1	5251.0, 5643.0, 5571.0, 5334.0, 5303.0, 5414.0, 5507.0, 5309.0, 5706.0, 5429.0, 5438.0, 5617.0, 5461.0, 5278.0, 5269.0, 5288.0, 5675.0, 5579.0, 5292.0, 5598.0, 5376.0, 5618.0, 5367.0, 5466.0, 5510.0, 5654.0, 5277.0, 5506.0, 5626.0, 5444.0, 5437.0, 5404.0, 5329.0, 5346.0, 5379.0, 5717.0, 5411.0, 5520.0, 5648.0, 5462.0, 5419.0, 5368.0, 5505.0, 5468.0, 5426.0, 5423.0, 5386.0, 5447.0, 5396.0, 5565.0, 5532.0, 5318.0, 5474.0, 5393.0, 5720.0, 5511.0, 5281.0, 5578.0, 5613.0, 5651.0,

						5493.0, 5409.0, 5634.0, 5486.0, 5335.0, 5592.0, 5297.0, 5470.0, 5543.0, 5723.0, 5267.0, 5616.0, 5363.0, 5427.0, 5430.0, 5692.0, 5454.0, 5681.0, 5554.0, 5518.0, 5602.0, 5514.0, 5688.0, 5653.0, 5326.0, 5283.0, 5529.0, 5701.0, 5624.0, 5422.0, 5676.0, 5433.0, 5605.0, 5311.0, 5590.0, 5722.0, 5691.0, 5315.0, 5293.0, 5715.0
13	5310	9	1	333	1	5707.0, 5718.0, 5675.0, 5539.0, 5316.0, 5700.0, 5410.0, 5319.0, 5361.0, 5299.0, 5694.0, 5347.0, 5667.0, 5662.0, 5375.0, 5659.0, 5683.0, 5529.0, 5478.0, 5355.0, 5422.0, 5436.0, 5612.0, 5391.0, 5709.0, 5406.0, 5342.0, 5650.0, 5525.0, 5472.0, 5280.0, 5535.0, 5504.0, 5584.0, 5437.0, 5503.0, 5435.0, 5310.0, 5352.0, 5431.0, 5268.0, 5684.0, 5452.0, 5631.0, 5323.0, 5578.0, 5511.0, 5346.0, 5635.0, 5666.0, 5509.0, 5255.0, 5608.0, 5424.0, 5703.0, 5392.0, 5676.0, 5540.0, 5656.0, 5423.0, 5382.0, 5349.0, 5533.0, 5304.0, 5543.0, 5512.0, 5639.0, 5611.0, 5308.0, 5538.0, 5302.0, 5715.0, 5682.0, 5519.0, 5671.0, 5549.0, 5446.0, 5555.0, 5647.0, 5374.0, 5520.0, 5629.0, 5551.0, 5514.0, 5383.0, 5610.0, 5573.0, 5502.0, 5354.0, 5330.0, 5453.0, 5692.0, 5295.0, 5264.0, 5467.0, 5653.0, 5657.0, 5475.0, 5562.0, 5479.0
14	5310	9	1	333	1	5474.0, 5536.0, 5327.0, 5696.0, 5253.0, 5259.0, 5270.0, 5429.0, 5655.0, 5622.0, 5411.0, 5486.0, 5323.0, 5431.0, 5280.0, 5449.0, 5713.0, 5391.0, 5616.0, 5365.0, 5517.0, 5437.0, 5643.0, 5252.0, 5723.0, 5461.0, 5711.0, 5307.0, 5559.0, 5418.0, 5650.0, 5283.0, 5457.0, 5579.0, 5339.0, 5617.0, 5488.0, 5368.0, 5522.0, 5433.0, 5469.0, 5592.0, 5618.0, 5515.0, 5528.0, 5600.0, 5611.0, 5686.0, 5256.0, 5269.0, 5577.0, 5594.0, 5572.0, 5716.0, 5535.0, 5642.0, 5585.0, 5325.0, 5294.0, 5274.0, 5417.0, 5332.0, 5595.0, 5656.0, 5542.0, 5687.0, 5410.0, 5279.0, 5630.0, 5538.0, 5531.0, 5547.0, 5361.0, 5560.0, 5401.0, 5289.0, 5598.0, 5621.0, 5476.0, 5273.0, 5389.0, 5346.0, 5663.0, 5387.0, 5293.0, 5660.0, 5667.0, 5255.0, 5428.0, 5340.0, 5383.0, 5697.0, 5388.0, 5276.0, 5529.0, 5370.0, 5675.0, 5427.0, 5320.0, 5587.0
15	5310	9	1	333	1	5263.0, 5430.0, 5607.0, 5636.0, 5490.0, 5273.0, 5641.0, 5667.0, 5251.0, 5572.0, 5551.0, 5461.0, 5472.0, 5393.0, 5531.0, 5404.0, 5632.0, 5429.0, 5569.0, 5523.0, 5365.0, 5373.0, 5470.0, 5285.0, 5300.0, 5262.0, 5468.0, 5544.0, 5296.0, 5382.0, 5505.0, 5416.0, 5321.0, 5286.0, 5499.0, 5717.0, 5501.0, 5408.0, 5282.0, 5548.0, 5622.0, 5424.0, 5333.0, 5705.0, 5655.0, 5469.0, 5394.0, 5330.0, 5304.0, 5375.0, 5449.0, 5707.0, 5663.0, 5532.0, 5543.0,

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16	5310	9	1	333	1	5310.0, 5407.0, 5626.0, 5414.0, 5676.0, 5528.0, 5522.0, 5344.0, 5478.0, 5330.0, 5393.0, 5400.0, 5591.0, 5453.0, 5717.0, 5537.0, 5715.0, 5549.0, 5693.0, 5503.0, 5303.0, 5302.0, 5498.0, 5530.0, 5659.0, 5672.0, 5323.0, 5618.0, 5650.0, 5259.0, 5577.0, 5490.0, 5450.0, 5440.0, 5446.0, 5322.0, 5550.0, 5329.0, 5429.0, 5642.0, 5367.0, 5346.0, 5677.0, 5379.0, 5709.0, 5580.0, 5525.0, 5383.0, 5405.0, 5275.0, 5360.0, 5601.0, 5617.0, 5276.0, 5298.0, 5656.0, 5639.0, 5409.0, 5583.0, 5527.0, 5593.0, 5526.0, 5342.0, 5410.0, 5578.0, 5712.0, 5623.0, 5504.0, 5386.0, 5348.0, 5311.0, 5278.0, 5464.0, 5694.0, 5534.0, 5556.0, 5411.0, 5542.0, 5420.0, 5674.0, 5306.0, 5334.0, 5335.0, 5395.0, 5316.0, 5317.0, 5315.0, 5263.0, 5353.0, 5721.0, 5541.0, 5584.0, 5432.0, 5459.0, 5566.0, 5433.0, 5398.0, 5477.0, 5629.0, 5688.0
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24	5310	9	1	333	1	5595.0, 5515.0, 5561.0, 5723.0, 5655.0, 5415.0, 5718.0, 5343.0, 5594.0, 5296.0, 5659.0, 5643.0, 5440.0, 5641.0, 5269.0, 5653.0, 5341.0, 5408.0, 5677.0, 5492.0, 5699.0, 5603.0, 5353.0, 5611.0, 5590.0, 5527.0, 5275.0, 5538.0, 5439.0, 5372.0, 5474.0, 5574.0, 5606.0, 5570.0, 5646.0, 5647.0, 5259.0, 5648.0, 5373.0, 5600.0,

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29	5310	9	1	333	1	5637.0, 5371.0, 5502.0, 5535.0, 5257.0, 5474.0, 5570.0, 5483.0, 5315.0, 5359.0, 5546.0, 5493.0, 5496.0, 5343.0, 5625.0, 5440.0, 5324.0, 5346.0, 5313.0, 5544.0, 5266.0, 5658.0, 5375.0, 5677.0, 5647.0, 5352.0, 5534.0, 5364.0, 5355.0, 5405.0, 5457.0, 5581.0, 5657.0, 5259.0, 5392.0, 5326.0, 5390.0, 5598.0, 5363.0, 5370.0, 5645.0, 5511.0, 5631.0, 5454.0, 5472.0, 5437.0, 5335.0, 5555.0, 5378.0, 5316.0, 5576.0, 5396.0, 5487.0, 5526.0, 5504.0, 5251.0, 5607.0, 5400.0, 5586.0, 5284.0, 5479.0, 5429.0, 5681.0, 5393.0, 5551.0, 5492.0, 5452.0, 5348.0, 5307.0, 5619.0, 5340.0, 5712.0, 5428.0, 5455.0, 5589.0, 5572.0, 5318.0, 5638.0, 5427.0, 5279.0, 5612.0, 5330.0, 5264.0, 5413.0, 5356.0, 5387.0, 5339.0, 5453.0, 5721.0, 5505.0, 5618.0, 5310.0, 5282.0, 5542.0, 5350.0, 5320.0, 5436.0, 5285.0, 5564.0, 5709.0
30	5310	9	1	333	1	5677.0, 5455.0, 5565.0, 5411.0, 5533.0, 5489.0, 5503.0, 5334.0, 5629.0, 5542.0, 5397.0, 5706.0, 5490.0, 5436.0, 5495.0, 5679.0, 5636.0, 5660.0, 5641.0, 5696.0, 5521.0, 5544.0, 5614.0, 5671.0, 5639.0, 5500.0, 5289.0, 5620.0, 5389.0, 5596.0,

						5370.0, 5269.0, 5306.0, 5471.0, 5416.0, 5534.0, 5601.0, 5293.0, 5349.0, 5509.0, 5403.0, 5589.0, 5398.0, 5302.0, 5469.0, 5708.0, 5511.0, 5506.0, 5651.0, 5384.0, 5683.0, 5613.0, 5451.0, 5457.0, 5705.0, 5717.0, 5481.0, 5270.0, 5594.0, 5395.0, 5282.0, 5473.0, 5723.0, 5320.0, 5305.0, 5597.0, 5399.0, 5557.0, 5670.0, 5458.0, 5402.0, 5315.0, 5607.0, 5360.0, 5698.0, 5461.0, 5616.0, 5695.0, 5525.0, 5647.0, 5648.0, 5329.0, 5681.0, 5440.0, 5258.0, 5515.0, 5703.0, 5598.0, 5516.0, 5619.0, 5673.0, 5277.0, 5290.0, 5654.0, 5424.0, 5342.0, 5637.0, 5497.0, 5286.0, 5369.0

20MHz

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A	15	100%	60%	pass
Type 1B	15	93.3%	60%	pass
Type 2	30	93.3%	60%	Pass
Type 3	30	70%	60%	Pass
Type 4	30	76.7 %	60%	Pass
Aggregate(Type1 to 4)	120	84.17%	80%	Pass
Type 5	120	100 %	80%	Pass
Type 6	30	93.3 %	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	58	1	918	1
2	5320	102	1	518	1
3	5320	62	1	858	1
4	5320	81	1	658	1
5	5320	59	1	898	1
6	5320	70	1	758	1
7	5320	18	1	3066	1
8	5320	86	1	618	1
9	5320	63	1	838	1
10	5320	74	1	718	1
11	5320	99	1	538	1
12	5320	89	1	598	1
13	5320	72	1	738	1
14	5320	76	1	698	1
15	5320	65	1	818	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	26	1	2091	1
2	5320	99	1	535	0
3	5320	24	1	2213	1
4	5320	20	1	2754	1
5	5320	22	1	2506	1
6	5320	28	1	1889	1
7	5320	40	1	1348	1
8	5320	26	1	2077	1
9	5320	74	1	717	1
10	5320	37	1	1429	1
11	5320	28	1	1953	1
12	5320	61	1	877	1
13	5320	21	1	2553	1
14	5320	44	1	1223	1
15	5320	46	1	1155	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	28	3.4	181	1
2	5320	26	3.9	225	1
3	5320	28	2.7	175	1
4	5320	25	4.5	223	1
5	5320	26	3.3	153	1
6	5320	29	1.4	159	1
7	5320	27	4.4	225	1
8	5320	29	3.2	159	1
9	5320	23	4.5	162	1
10	5320	28	1.3	178	1
11	5320	29	2.7	180	1
12	5320	24	3.3	206	1
13	5320	23	3.5	194	0
14	5320	23	2.2	196	0
15	5320	28	4.6	192	1
16	5320	27	1.7	178	1
17	5320	28	1.9	155	1
18	5320	25	3.6	190	1
19	5320	24	2.8	190	1
20	5320	28	2.1	214	1
21	5320	23	4.5	218	1
22	5320	24	4.7	153	1
23	5320	26	4.3	215	1
24	5320	27	1.9	218	1
25	5320	27	2.6	203	1
26	5320	26	2.5	211	1
27	5320	23	2.6	160	1
28	5320	27	2	186	1
29	5320	29	5	158	1
30	5320	26	3	212	1
Detection Percentage: 93.3% (>60%)					

Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5320	16	7.7	388	1
2	5320	16	8.2	420	1
3	5320	18	10	316	1
4	5320	18	7.3	469	1
5	5320	16	7.2	297	1
6	5320	17	9.1	258	1
7	5320	16	9.4	444	1
8	5320	18	7.8	276	1
9	5320	16	7.6	405	0
10	5320	16	9.9	293	0
11	5320	16	8.8	354	0
12	5320	16	8.1	423	1
13	5320	18	9.7	466	1
14	5320	18	7.7	333	1
15	5320	16	8.6	265	1
16	5320	18	6.4	448	1
17	5320	16	6.5	425	0
18	5320	18	6.3	367	0
19	5320	18	10	445	1
20	5320	16	8.8	475	1
21	5320	18	8.9	206	0
22	5320	16	9	453	1
23	5320	17	6.6	381	1
24	5320	18	7.2	257	0
25	5320	17	6.4	464	0
26	5320	18	6.1	304	0
27	5320	18	7	388	1
28	5320	18	7.7	262	1
29	5320	18	8.1	441	1
30	5320	16	8.5	283	1
Detection Percentage: 70.0% (>60%)					

Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5320	15	19.3	407	1
2	5320	14	16.8	254	1
3	5320	16	11.2	355	1
4	5320	15	16.3	335	1
5	5320	12	19.8	239	0
6	5320	15	15.6	390	1
7	5320	12	12.9	280	1
8	5320	15	19.3	280	1
9	5320	12	12.1	448	1
10	5320	16	16.5	290	1
11	5320	13	13.8	351	0
12	5320	15	12.7	460	1
13	5320	14	13.8	396	0
14	5320	16	15.2	244	1
15	5320	16	16.7	206	1
16	5320	13	19.7	335	1
17	5320	16	15.2	239	1
18	5320	12	11.3	482	1
19	5320	16	11.2	481	1
20	5320	15	13.3	401	1
21	5320	12	19.6	356	0
22	5320	14	18.8	374	1
23	5320	12	13.6	497	1
24	5320	16	19.3	400	1
25	5320	16	17	497	1
26	5320	13	19.3	450	0
27	5320	12	15.8	428	0
28	5320	12	16.9	341	1
29	5320	15	15.7	224	1
30	5320	14	14.6	308	0
Detection Percentage: 76.7 % (>60%)					

Radar Type 5 Case 1 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5320.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(µS)	Pulse 2-3 spacing(µS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	8	71.9	1978		0.177608	1
1	1	8	98			1.490737	
2	2	8	53	1827		2.351704	
3	2	8	96.4	1847		3.639644	
4	1	8	91.7			4.363183	
5	2	8	59.4	1423		5.269647	
6	1	8	98.3			6.390386	
7	3	8	63	1592	1951	6.629408	
8	2	8	90.8	1784		7.961319	
9	2	8	76.6	1223		8.439699	
10	3	8	81.4	1762	1853	9.998764	
11	2	8	80.8	1803		10.373575	
12	2	8	78.3	1459		11.317481	

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	3	11	75.6	1409	1224	0.998213	1
1	2	11	95.5	1026		1.401863	
2	3	11	88.8	1020	1758	3.029591	
3	2	11	51.9	1933		5.2306	
4	2	11	68	1455		6.530733	
5	2	11	94.8	1671		7.523806	
6	2	11	94.6	1107		9.169841	
7	2	11	78.3	1774		10.211233	
8	2	11	58.1	1942		10.97182	

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	5	87.6	1517		0.839398	
1	3	5	75.6	1629	1381	1.7636	
2	3	5	57.4	1488	1853	2.86336	
3	1	5	99.2			3.851117	
4	2	5	89.9	1476		5.237543	
5	2	5	92.8	1061		6.287591	1
6	1	5	95.6			7.140893	
7	2	5	75.9	1620		7.79976	
8	1	5	88.1			9.112267	
9	2	5	66.8	1411		10.30581	
10	2	5	74.5	1579		11.439652	

Statistics 4 (ChirpCenter Frequency: 5320.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(µS)	Pulse 2-3 spacing(µS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	11	53.9	1473		0.656666	
1	2	11	76.4	1368		1.053612	
2	1	11	64.4			2.279835	
3	2	11	66.8	1119		2.555145	
4	2	11	97.1	1324		3.300318	
5	2	11	74.9	1900		4.004654	
6	2	11	50.2	1846		4.919124	
7	3	11	56.7	1897	1753	5.823093	1
8	1	11	67.6			6.656606	
9	2	11	54	1403		7.44315	
10	1	11	96.5			8.293918	
11	3	11	54.4	1658	1985	9.220913	
12	2	11	97.2	1917		10.376482	
13	1	11	83.2			11.113854	
14	3	11	65.7	1518	1926	11.430231	

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	1	15	70.4			0.910258	1
1	3	15	80.4	1458	1046	2.750627	
2	2	15	58.2	1352		3.289063	
3	2	15	62.3	1531		4.513009	
4	2	15	76	1958		6.805883	
5	2	15	87.8	1822		8.920734	
6	2	15	81.6	1122		10.069219	
7	3	15	75.8	1477	1714	11.125258	

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	12	76.5	1538		0.911432	1
1	2	12	94.8	1126		1.256763	
2	2	12	70.5	1891		2.526453	
3	3	12	65.7	1477	1126	4.174539	
4	2	12	63.3	1388		4.384288	
5	2	12	91.9	1584		6.257896	
6	1	12	97.2			7.083531	
7	1	12	91.6			8.000736	
8	1	12	85.8			9.439499	
9	1	12	50.4			10.615243	
10	3	12	62.9	1842	1700	11.763051	

Statistics 7(ChirpCenter Frequency: 5320.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	10	55.8			0.821537	1
1	2	10	81.5	1130		1.644516	
2	2	10	70.2	1041		3.862351	
3	1	10	59.4			4.744387	
4	2	10	71.2	1417		6.14789	
5	2	10	84.4	1047		7.507803	
6	1	10	99.4			9.027347	
7	2	10	92.1	1215		9.928237	
8	2	10	83	1651		11.42394	

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	9	65.5	1640		0.899959	1
1	1	9	94.9			1.082101	
2	2	9	77.2	1537		2.398549	
3	2	9	90.3	1079		3.788274	
4	2	9	99.4	1315		4.305861	
5	2	9	82.2	1106		5.612372	
6	2	9	97.3	1307		6.909961	
7	3	9	71.1	1208	1404	7.439154	
8	3	9	99.9	1741	1939	8.4731	
9	1	9	80.7			9.112358	
10	3	9	81.5	1140	1434	10.438322	
11	2	9	93.6	1741		11.679519	

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)
1	3	8	73.7	1058	1539	1.374722	
2	2	8	53.4	1614		2.560977	
3	3	8	86.1	1874	1787	3.40354	
4	1	8	69.4			4.16429	
5	3	8	59.6	1818	1316	4.333936	
6	2	8	93.4	1586		5.43572	
7	3	8	69.4	1960	1672	6.650777	1
8	1	8	95.3			7.699708	
9	1	8	57.1			8.301361	
10	3	8	83.4	1542	1481	8.966411	
11	2	8	87.4	1592		10.046707	
12	3	8	69.7	1600	1255	10.745551	
13	3	8	60	1421	1821	11.43872	

Statistics 10 (ChirpCenter Frequency: 5320.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	11	88.2	1942		0.358095	
1	1	11	60.6			0.969018	
2	3	11	91.9	1606	1045	1.888827	
3	1	11	57.9			2.758777	
4	2	11	89.2	1529		3.1476	
5	2	11	83.5	1430		3.82877	
6	1	11	87.5			4.512535	
7	1	11	86.1			5.080401	
8	3	11	72.9	1289	1179	6.21067	1
9	2	11	61.6	1834		6.780307	
10	2	11	74	1671		7.384284	
11	2	11	78.2	1808		8.366719	
12	1	11	58.8			8.921081	
13	1	11	92			9.592619	
14	2	11	85.2	1815		10.151657	
15	2	11	96.6	1452		10.85609	
16	2	11	63.9	1677		11.680863	

Radar Type 5 Case 2 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5317.0MHz)

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	18	67.2	1002	1903	0.151728	
1	3	18	95.9	1417	1691	1.266465	
2	2	18	66.4	1323		2.229092	
3	1	18	64.1			2.964091	
4	2	18	87.6	1829		3.308052	
5	2	18	69.5	1134		4.136104	
6	2	18	51.5	1705		5.488124	
7	3	18	57.7	1668	1533	6.035521	1
8	3	18	52	1288	1763	7.011098	
9	2	18	63.3	1625		7.20978	
10	2	18	99.3	1690		8.438018	
11	3	18	63.6	1636	1793	9.363894	
12	2	18	67.1	1327		10.350595	
13	2	18	73.9	1560		10.648882	
14	2	18	51.9	1134		11.912913	

Statistics 2 (ChirpCenter Frequency: 5313.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	8	78.7	1303		0.273339	
1	2	8	92.6	1904		0.710685	
2	2	8	83.5	1530		1.868171	
3	2	8	89.9	1291		2.582021	
4	3	8	86	1243	1635	3.178201	
5	2	8	95.5	1048		3.741048	
6	3	8	80.9	1695	1185	4.279798	
7	3	8	98.5	1254	1616	4.95588	
8	2	8	84	1693		5.821062	1
9	2	8	90.7	1195		6.750603	
10	1	8	79.7			7.228415	
11	2	8	98.6	1449		7.952315	
12	1	8	55.8			8.617563	
13	2	8	56.2	1133		9.236114	
14	1	8	74.9			9.974335	
15	3	8	67.3	1970	1359	10.996368	
16	2	8	75.7	1329		11.715831	

Statistics 3 (ChirpCenter Frequency: 5313.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	8	70.1			0.560827	1
1	2	8	77.5	1201		1.081071	
2	2	8	89.8	1370		1.973887	
3	1	8	62.5			2.90717	
4	2	8	97.7	1891		3.182611	
5	1	8	96.1			4.22728	
6	3	8	95	1611	1931	5.1074	
7	1	8	100			5.823079	
8	2	8	65.6	1390		6.696876	
9	1	8	57.9			7.028043	
10	3	8	66.5	1434	1407	7.983274	
11	3	8	88	1996	1185	8.796736	
12	2	8	53.3	1813		9.627299	
13	2	8	54.3	1843		10.064343	
14	2	8	51.8	1806		10.744431	
15	1	8	58.8			11.863086	

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	14	82.2	1788	1632	0.743965	1
1	2	14	71.7	1819		1.506193	
2	2	14	82.5	1414		2.055911	
3	1	14	58.2			2.780047	
4	1	14	58.4			3.978543	
5	2	14	96.3	1552		4.200508	
6	1	14	92.7			5.2912	
7	1	14	70.2			5.985846	
8	3	14	67.4	1117	1642	6.915669	
9	1	14	90.4			7.694163	
10	2	14	99	1109		8.246939	
11	2	14	79.1	1248		9.348934	
12	2	14	96.7	1735		10.103897	
13	2	14	63.4	1208		11.085812	
14	1	14	67.1			11.989234	

Statistics 5 (ChirpCenter Frequency: 5314.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	11	61.8	1456	1765	0.471194	1
1	2	11	97.6	1112		1.313132	
2	3	11	79.9	1084	1516	1.446647	
3	3	11	66.9	1648	1590	2.414841	
4	2	11	51.5	1652		2.674902	
5	3	11	92	1307	1742	3.604568	
6	1	11	72.9			4.308977	
7	2	11	60.2	1664		5.199255	
8	1	11	93.4			5.741778	
9	2	11	54.2	1909		6.556187	
10	1	11	77.8			6.877768	
11	2	11	88.2	1975		7.795015	
12	1	11	79.1			8.621623	
13	1	11	94.7			9.134705	
14	1	11	76.5			9.755091	
15	3	11	59.1	1911	1126	10.583731	
16	2	11	62.5	1793		10.877212	
17	3	11	97	1525	1515	11.845734	

Statistics 6 (ChirpCenter Frequency: 5317.0MHz)

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	73.2	1003		0.755187	1
1	3	18	77.7	1580	1550	1.744767	
2	2	18	54.9	1058		2.612384	
3	2	18	75.4	1760		3.581147	
4	2	18	50.3	1448		3.7029	
5	3	18	65.9	1827	1664	4.700866	
6	2	18	52.2	1047		6.444257	
7	1	18	90.7			7.001549	
8	2	18	65.7	1923		7.715613	
9	1	18	58.7			8.489824	
10	2	18	62.7	1406		10.020438	
11	2	18	92.2	1266		10.812065	
12	2	18	51.6	1743		11.899685	

Statistics 7 (ChirpCenter Frequency: 5318.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	19	67.9	1738		0.666388	1
1	1	19	52.2			1.161166	
2	2	19	72.4	1851		2.156167	
3	2	19	53.8	1218		3.58929	
4	3	19	82.8	1209	1494	4.303101	
5	3	19	62.3	1925	1824	5.726705	
6	2	19	59.4	1517		6.370955	
7	3	19	59.9	1933	1090	7.882071	
8	3	19	63.5	1743	1842	8.228256	
9	3	19	60.9	1822	1315	9.022392	
10	2	19	59.1	1219		10.096477	
11	2	19	95.9	1395		11.390895	

Statistics 8 (ChirpCenter Frequency: 5317.0MHz)

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	17	77.3	1780	1199	0.165954	1
1	3	17	92.7	1397	1968	0.666008	
2	1	17	93.1			1.712872	
3	1	17	57.8			1.972312	
4	2	17	76.2	1672		2.996075	
5	2	17	98.3	1199		3.543161	
6	3	17	76.6	1438	1164	3.940467	
7	1	17	94.9			4.94587	
8	3	17	86.9	1367	1932	5.157329	
9	2	17	75.6	1945		5.854897	
10	1	17	54.6			6.86051	
11	1	17	70.7			7.303326	
12	1	17	67.8			8.07378	
13	3	17	74.1	1660	1201	8.69535	
14	2	17	63.5	1707		9.294077	
15	2	17	78.1	1142		9.688754	
16	2	17	87.4	1879		10.180394	
17	1	17	84.1			11.284349	
18	2	17	97.9	1855		11.716148	

Statistics 9 (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	13	81.8	1669		0.385569	1
1	3	13	82.5	1495	1271	1.258267	
2	1	13	85.8			1.779226	
3	3	13	64.4	1609	1495	2.514207	
4	3	13	78.3	1835	1582	3.019426	
5	2	13	63	1439		3.778932	
6	3	13	74	1269	1695	4.345186	
7	2	13	59.1	1712		5.154012	
8	3	13	56.3	1487	1689	5.575218	
9	2	13	79.2	1808		6.464585	
10	2	13	77	1875		7.166457	
11	2	13	93.9	1060		7.479261	
12	2	13	94.5	1921		8.208766	
13	3	13	67.9	1995	1353	8.970524	
14	3	13	85	1882	1637	9.699249	
15	2	13	74.4	1190		10.548676	
16	3	13	98.8	1391	1064	11.24236	
17	3	13	84.7	1540	1601	11.697731	

Statistics 10 (ChirpCenter Frequency: 5313.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(µS)	Pulse 2-3 spacing(µS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	7	76.7	1906	1209	0.279778	1
1	2	7	64.1	1883		1.155686	
2	1	7	84			2.183465	
3	2	7	80.5	1194		2.689983	
4	1	7	100			3.858045	
5	1	7	82.1			4.466081	
6	2	7	56.4	1964		5.374886	
7	2	7	77.2	1842		6.211989	
8	2	7	64.3	1400		7.071636	
9	3	7	55.7	1906	1572	7.958829	
10	1	7	54.2			8.330014	
11	3	7	74	1545	1658	9.480326	
12	2	7	57.9	1561		9.974616	
13	2	7	67.4	1082		11.019477	
14	3	7	59.1	1965	1109	11.977308	

Radar Type 5 Case 3 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5324.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(µS)	Pulse 2-3 spacing(µS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	14	69.7	1510	1092	0.438479	1
1	2	14	70.5	1784		0.808986	
2	2	14	60.8	1952		1.337338	
3	2	14	66.1	1418		2.046319	
4	2	14	92.9	1569		3.250366	
5	1	14	71.9			3.828629	
6	2	14	53.5	1608		4.479666	
7	2	14	57	1142		4.934512	
8	2	14	96.9	1127		5.734608	
9	1	14	92.5			6.190725	
10	2	14	71.7	1885		6.681099	
11	2	14	64.1	1035		7.412372	
12	2	14	96.9	1160		8.1656	
13	2	14	99.5	1943		9.094819	
14	3	14	90.6	1518	1498	9.523143	
15	3	14	66.6	1796	1859	10.056014	
16	2	14	83.1	1706		10.759521	
17	3	14	54.4	1923	1759	11.51948	

Statistics 2 (ChirpCenter Frequency: 5324.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(µS)	Pulse 2-3 spacing(µS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	14	97.7	1378		0.276428	1
1	1	14	99.5			1.569526	
2	1	14	78			2.144575	
3	1	14	54.2			2.639877	
4	3	14	81.2	1421	1528	3.901661	
5	2	14	91.5	1596		4.209215	
6	2	14	90.5	1340		5.015272	
7	1	14	55.9			6.196325	
8	3	14	87.4	1558	1839	6.767911	
9	1	14	56.4			7.941157	
10	1	14	90.2			8.453201	
11	2	14	90.4	1903		9.441934	
12	2	14	51	1767		10.090938	
13	3	14	72	1341	1258	10.634521	
14	1	14	95.8			11.722275	

Statistics 3 (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	15	53.2			0.234893	1
1	2	15	98.9	1500		1.227846	
2	2	15	52	1371		2.753618	
3	3	15	84.3	1865	1460	3.804267	
4	1	15	58.9			4.181023	
5	3	15	99.6	1762	1515	5.006228	
6	2	15	72.4	1717		6.658227	
7	3	15	95.8	1989	1972	7.54708	
8	2	15	69.5	1337		8.743458	
9	2	15	96.8	1872		9.829235	
10	2	15	91.5	1098		10.593185	
11	3	15	64.5	1449	1337	11.033693	

Statistics 4 (ChirpCenter Frequency: 5323.0MHz)

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	51.1	1783		0.14363	1
1	3	18	53.3	1630	1230	1.087122	
2	1	18	59.3			1.60692	
3	3	18	51.4	1270	1167	2.498389	
4	1	18	76.3			3.317092	
5	1	18	63.9			4.46385	
6	3	18	56.9	1471	1368	4.876792	
7	2	18	85.6	1813		6.340527	
8	3	18	77.2	1130	1640	6.981854	
9	3	18	72.9	1686	1269	7.601258	
10	2	18	58	1242		8.070445	
11	2	18	92.8	1769		9.4514	
12	1	18	71.1			9.751522	
13	2	18	53.4	1353		10.903979	
14	2	18	62.8	1206		11.978438	

Statistics 5 (ChirpCenter Frequency: 5325.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	13	97.1	1044		0.912816	
1	2	13	51.7	1683		2.246974	
2	1	13	53			3.689088	
3	2	13	83.7	1916		4.315637	
4	2	13	72.4	2000		5.74956	1
5	3	13	64.3	1220	1850	6.78611	
6	2	13	85.5	1699		9.089523	
7	2	13	66.3	1775		9.811453	
8	3	13	55.9	1652	1496	10.805647	

Statistics 6 (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	85.2	1502	1117	0.077699	
1	2	18	51.5	1218		1.111937	
2	2	18	66.1	1931		1.441648	
3	2	18	92	1269		2.39783	
4	2	18	69.9	1997		3.260037	
5	2	18	60.8	1660		3.918175	
6	3	18	95.3	1297	1840	4.258928	
7	1	18	80.5			4.968083	
8	3	18	74	1131	1881	5.973692	
9	3	18	77.8	1122	1710	6.521395	1
10	2	18	50.1	1390		6.827412	
11	3	18	70.7	1044	1754	7.414233	
12	2	18	71	1996		8.369829	
13	3	18	87.9	1341	1698	8.801889	
14	1	18	58.5			9.371306	
15	1	18	79.7			10.003019	
16	2	18	80.8	1272		11.077947	
17	2	18	55.9	1768		11.743652	

Statistics 7 (ChirpCenter Frequency: 5326.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	9	73.9	1234		0.160757	1
1	2	9	88.7	1114		1.292175	
2	3	9	67.7	1179	1034	1.967412	
3	3	9	70.6	1432	1890	2.996335	
4	2	9	93.2	1187		3.609984	
5	1	9	60.6			5.016103	
6	3	9	76.5	1195	1044	5.150106	
7	2	9	89.7	1282		6.058471	
8	1	9	76.6			7.66265	
9	3	9	80.2	1351	1980	8.130937	
10	2	9	55.8	1479		9.336161	
11	1	9	62.6			9.9703	
12	2	9	61.2	1763		10.873522	
13	2	9	88.5	1657		11.791007	

Statistics 8 (ChirpCenter Frequency: 5324.0MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(μS)	Pulse 2-3 spacing(μS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	14	75.6	1761	1638	0.5933	1
1	2	14	86.4	1172		1.198171	
2	1	14	52.3			2.717981	
3	2	14	72.5	1949		3.829994	
4	2	14	95.9	1785		4.589964	
5	2	14	61.3	1135		5.598791	
6	3	14	68.3	1128	1182	6.039803	
7	2	14	61.2	1927		7.204678	
8	1	14	58.6			8.132516	
9	2	14	71.1	1646		9.761999	
10	1	14	75.1			10.155808	
11	2	14	93	1507		11.600456	

Statistics 9 (ChirpCenter Frequency: 5326.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(µS)	Pulse 2-3 spacing(µS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	9	81.7	1279		0.431406	
1	3	9	89.4	1180	1497	1.400399	
2	3	9	52	1183	1881	1.568988	
3	3	9	83.9	1227	1260	2.667821	
4	2	9	76	1036		3.431954	
5	2	9	85.8	1548		3.819153	
6	3	9	89	1299	1200	4.524516	
7	3	9	95.7	1457	1223	5.115294	
8	1	9	88.7			6.046385	1
9	1	9	72			6.927396	
10	3	9	93.9	1261	1467	7.280608	
11	2	9	63.2	1236		8.366655	
12	1	9	98.6			9.122728	
13	2	9	94.9	1957		9.594514	
14	3	9	51.2	1492	1125	9.995032	
15	3	9	89.9	1550	1598	11.120622	
16	2	9	60.9	1889		11.730478	

Statistics 10 (ChirpCenter Frequency: 5327.0 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(µS)	Pulse 2-3 spacing(µS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	8	64.1			0.612852	
1	3	8	51.8	1926	1219	1.296694	
2	2	8	67.3	1403		2.412081	
3	3	8	67.4	1869	1713	3.690482	
4	2	8	75.5	1961		5.970186	
5	2	8	54	1272		7.056068	1
6	2	8	75.5	1047		8.38854	
7	2	8	99.6	1214		9.524917	
8	2	8	91.5	1703		9.617641	
9	2	8	59.5	1222		11.374918	

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	5490.0, 5410.0, 5607.0, 5407.0, 5455.0, 5584.0, 5517.0, 5340.0, 5321.0, 5250.0, 5628.0, 5371.0, 5284.0, 5387.0, 5689.0, 5325.0, 5537.0, 5422.0, 5271.0, 5396.0, 5605.0, 5540.0, 5589.0, 5566.0, 5437.0, 5683.0, 5655.0, 5472.0, 5563.0, 5614.0, 5597.0, 5580.0, 5609.0, 5266.0, 5264.0, 5384.0, 5438.0, 5408.0, 5286.0, 5577.0, 5280.0, 5586.0, 5431.0, 5355.0, 5660.0, 5303.0, 5534.0, 5351.0, 5478.0, 5635.0, 5512.0, 5354.0, 5530.0, 5548.0, 5654.0, 5610.0, 5338.0, 5545.0, 5560.0, 5513.0, 5328.0, 5254.0, 5711.0, 5415.0, 5507.0, 5483.0, 5696.0, 5645.0, 5315.0, 5616.0, 5573.0, 5617.0, 5390.0, 5430.0, 5694.0, 5404.0, 5424.0, 5255.0, 5637.0, 5579.0, 5688.0, 5571.0, 5561.0, 5575.0, 5311.0, 5703.0, 5675.0, 5542.0, 5287.0, 5357.0, 5298.0, 5716.0, 5604.0, 5533.0, 5391.0, 5509.0, 5552.0, 5549.0, 5459.0, 5631.0
2	5320	9	1	333	1	5384.0, 5656.0, 5410.0, 5658.0, 5318.0, 5499.0, 5422.0, 5416.0, 5640.0, 5259.0, 5395.0, 5426.0, 5584.0, 5432.0, 5276.0, 5392.0, 5488.0, 5544.0, 5512.0, 5370.0, 5434.0, 5524.0, 5443.0, 5367.0, 5724.0, 5575.0, 5260.0, 5590.0, 5518.0, 5517.0, 5621.0, 5496.0, 5393.0, 5442.0, 5628.0, 5435.0, 5405.0, 5622.0, 5363.0, 5444.0, 5486.0, 5346.0, 5428.0, 5412.0, 5420.0, 5603.0, 5504.0, 5497.0, 5340.0, 5313.0, 5623.0, 5570.0, 5300.0, 5563.0, 5322.0, 5602.0, 5334.0, 5550.0, 5287.0, 5535.0, 5398.0, 5369.0, 5433.0, 5459.0, 5565.0, 5262.0, 5427.0, 5700.0, 5652.0, 5391.0, 5681.0, 5678.0, 5258.0, 5349.0, 5290.0, 5467.0, 5694.0, 5396.0, 5498.0, 5547.0, 5653.0, 5473.0, 5654.0, 5548.0, 5361.0, 5581.0, 5366.0, 5402.0, 5723.0, 5399.0, 5476.0, 5296.0, 5513.0, 5686.0, 5487.0, 5446.0, 5568.0, 5635.0, 5306.0, 5291.0
3	5320	9	1	333	1	5714.0, 5584.0, 5522.0, 5518.0, 5307.0, 5530.0, 5566.0, 5421.0, 5445.0, 5349.0, 5390.0, 5442.0, 5391.0, 5386.0, 5721.0, 5439.0, 5477.0, 5283.0, 5385.0, 5326.0, 5351.0, 5379.0, 5255.0, 5720.0, 5489.0, 5662.0, 5544.0, 5422.0, 5328.0, 5595.0, 5443.0, 5340.0, 5701.0, 5310.0, 5585.0, 5533.0, 5284.0, 5476.0, 5520.0, 5676.0, 5306.0, 5403.0, 5638.0, 5254.0, 5289.0, 5557.0, 5460.0, 5472.0, 5429.0, 5455.0, 5678.0, 5655.0, 5671.0, 5686.0, 5617.0, 5707.0, 5383.0, 5409.0, 5646.0, 5458.0, 5546.0, 5337.0, 5334.0, 5397.0, 5432.0, 5279.0, 5534.0, 5663.0, 5370.0, 5677.0,

						5639.0, 5388.0, 5541.0, 5374.0, 5281.0, 5511.0, 5722.0, 5517.0, 5640.0, 5615.0, 5626.0, 5570.0, 5545.0, 5325.0, 5376.0, 5583.0, 5664.0, 5292.0, 5346.0, 5661.0, 5471.0, 5266.0, 5688.0, 5601.0, 5634.0, 5618.0, 5265.0, 5426.0, 5399.0, 5685.0
4	5320	9	1	333	1	5657.0, 5436.0, 5562.0, 5689.0, 5638.0, 5648.0, 5351.0, 5422.0, 5679.0, 5585.0, 5337.0, 5467.0, 5363.0, 5302.0, 5271.0, 5423.0, 5527.0, 5523.0, 5533.0, 5410.0, 5600.0, 5286.0, 5501.0, 5498.0, 5486.0, 5340.0, 5384.0, 5580.0, 5269.0, 5262.0, 5708.0, 5551.0, 5260.0, 5376.0, 5524.0, 5400.0, 5681.0, 5480.0, 5383.0, 5520.0, 5347.0, 5687.0, 5415.0, 5266.0, 5293.0, 5674.0, 5382.0, 5267.0, 5288.0, 5434.0, 5596.0, 5319.0, 5547.0, 5452.0, 5446.0, 5259.0, 5255.0, 5352.0, 5258.0, 5545.0, 5455.0, 5695.0, 5387.0, 5463.0, 5346.0, 5566.0, 5460.0, 5291.0, 5582.0, 5513.0, 5647.0, 5592.0, 5268.0, 5558.0, 5285.0, 5627.0, 5276.0, 5408.0, 5546.0, 5491.0, 5622.0, 5332.0, 5650.0, 5601.0, 5325.0, 5678.0, 5393.0, 5666.0, 5697.0, 5388.0, 5432.0, 5712.0, 5280.0, 5252.0, 5505.0, 5317.0, 5344.0, 5316.0, 5257.0, 5507.0
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9	5320	9	1	333	1	5335.0, 5704.0, 5501.0, 5411.0, 5702.0, 5281.0, 5356.0, 5609.0, 5655.0, 5470.0, 5610.0, 5439.0, 5283.0, 5469.0, 5385.0, 5479.0, 5376.0, 5359.0, 5259.0, 5549.0, 5718.0, 5510.0, 5677.0, 5689.0, 5604.0, 5622.0, 5269.0, 5396.0, 5585.0, 5637.0, 5310.0, 5686.0, 5340.0, 5272.0, 5253.0, 5509.0, 5447.0, 5642.0, 5345.0, 5344.0, 5417.0, 5500.0, 5712.0, 5252.0, 5715.0, 5639.0, 5518.0, 5348.0, 5664.0, 5707.0, 5600.0, 5636.0, 5676.0, 5260.0, 5605.0, 5397.0, 5434.0, 5606.0, 5524.0, 5692.0, 5688.0, 5295.0, 5616.0, 5597.0, 5503.0, 5557.0, 5296.0, 5630.0, 5499.0, 5593.0, 5596.0, 5701.0, 5647.0, 5268.0, 5302.0, 5403.0, 5540.0, 5275.0, 5430.0, 5391.0, 5544.0, 5662.0, 5321.0, 5556.0, 5668.0, 5426.0, 5307.0, 5660.0, 5342.0, 5393.0, 5617.0, 5565.0, 5297.0, 5646.0, 5669.0, 5666.0, 5608.0, 5370.0, 5621.0, 5722.0
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19	5320	9	1	333	1	5602.0, 5584.0, 5722.0, 5681.0, 5367.0, 5724.0, 5677.0, 5430.0, 5532.0, 5317.0, 5484.0, 5597.0, 5353.0, 5542.0, 5327.0, 5338.0, 5501.0, 5451.0, 5363.0, 5425.0, 5636.0, 5654.0, 5629.0, 5513.0, 5260.0, 5662.0, 5314.0, 5640.0, 5329.0, 5700.0, 5652.0, 5428.0, 5301.0, 5490.0, 5534.0, 5683.0, 5572.0, 5285.0, 5385.0, 5716.0, 5399.0, 5376.0, 5408.0, 5311.0, 5543.0, 5570.0, 5627.0, 5587.0, 5519.0, 5564.0, 5268.0, 5568.0, 5359.0, 5689.0, 5709.0, 5379.0, 5479.0, 5443.0, 5653.0, 5686.0, 5623.0, 5562.0, 5635.0, 5369.0, 5339.0, 5523.0, 5548.0, 5340.0, 5412.0, 5462.0, 5284.0, 5414.0, 5502.0, 5585.0, 5481.0, 5531.0, 5272.0, 5598.0, 5586.0, 5576.0, 5358.0, 5675.0, 5546.0, 5663.0, 5555.0, 5305.0, 5426.0, 5540.0, 5420.0, 5498.0, 5596.0, 5607.0, 5337.0, 5463.0, 5261.0, 5690.0, 5672.0, 5396.0, 5703.0, 5400.0
20	5320	9	1	333	1	5421.0, 5352.0, 5425.0, 5361.0, 5612.0, 5265.0, 5424.0, 5623.0, 5435.0, 5368.0, 5657.0, 5650.0, 5402.0, 5395.0, 5302.0, 5682.0, 5597.0, 5620.0, 5717.0, 5483.0, 5391.0, 5252.0, 5322.0, 5696.0, 5296.0, 5271.0, 5611.0, 5652.0, 5519.0, 5571.0, 5376.0, 5375.0, 5422.0, 5373.0, 5538.0,

						5724.0, 5512.0, 5524.0, 5319.0, 5681.0, 5299.0, 5384.0, 5699.0, 5367.0, 5592.0, 5460.0, 5705.0, 5572.0, 5453.0, 5342.0, 5525.0, 5259.0, 5281.0, 5405.0, 5412.0, 5282.0, 5491.0, 5398.0, 5399.0, 5289.0, 5493.0, 5290.0, 5594.0, 5362.0, 5658.0, 5336.0, 5680.0, 5487.0, 5536.0, 5300.0, 5270.0, 5438.0, 5544.0, 5403.0, 5548.0, 5411.0, 5703.0, 5326.0, 5450.0, 5477.0, 5638.0, 5381.0, 5445.0, 5645.0, 5516.0, 5280.0, 5436.0, 5501.0, 5588.0, 5369.0, 5678.0, 5383.0, 5451.0, 5567.0, 5409.0, 5587.0, 5511.0, 5692.0, 5505.0, 5268.0
21	5320	9	1	333	1	5714.0, 5684.0, 5673.0, 5701.0, 5349.0, 5384.0, 5257.0, 5647.0, 5358.0, 5466.0, 5508.0, 5273.0, 5393.0, 5519.0, 5620.0, 5562.0, 5331.0, 5665.0, 5313.0, 5623.0, 5484.0, 5666.0, 5707.0, 5395.0, 5505.0, 5439.0, 5706.0, 5487.0, 5436.0, 5280.0, 5380.0, 5560.0, 5634.0, 5470.0, 5458.0, 5513.0, 5659.0, 5536.0, 5633.0, 5272.0, 5642.0, 5302.0, 5424.0, 5723.0, 5342.0, 5461.0, 5441.0, 5712.0, 5545.0, 5645.0, 5454.0, 5716.0, 5561.0, 5614.0, 5330.0, 5369.0, 5297.0, 5256.0, 5564.0, 5540.0, 5269.0, 5283.0, 5341.0, 5652.0, 5398.0, 5362.0, 5352.0, 5655.0, 5724.0, 5593.0, 5489.0, 5566.0, 5605.0, 5416.0, 5698.0, 5274.0, 5711.0, 5278.0, 5532.0, 5495.0, 5279.0, 5658.0, 5446.0, 5253.0, 5287.0, 5431.0, 5432.0, 5413.0, 5261.0, 5332.0, 5308.0, 5569.0, 5626.0, 5438.0, 5681.0, 5557.0, 5465.0, 5493.0, 5300.0, 5480.0
22	5320	9	1	333	1	5268.0, 5309.0, 5357.0, 5706.0, 5580.0, 5591.0, 5686.0, 5385.0, 5611.0, 5535.0, 5644.0, 5387.0, 5670.0, 5556.0, 5664.0, 5509.0, 5613.0, 5652.0, 5442.0, 5602.0, 5597.0, 5716.0, 5282.0, 5336.0, 5678.0, 5675.0, 5379.0, 5505.0, 5353.0, 5687.0, 5334.0, 5722.0, 5593.0, 5337.0, 5592.0, 5380.0, 5601.0, 5698.0, 5623.0, 5635.0, 5473.0, 5399.0, 5312.0, 5444.0, 5567.0, 5669.0, 5649.0, 5538.0, 5265.0, 5370.0, 5643.0, 5572.0, 5684.0, 5452.0, 5663.0, 5329.0, 5691.0, 5569.0, 5430.0, 5566.0, 5427.0, 5554.0, 5688.0, 5307.0, 5574.0, 5323.0, 5661.0, 5677.0, 5696.0, 5362.0, 5616.0, 5333.0, 5281.0, 5453.0, 5474.0, 5540.0, 5633.0, 5404.0, 5527.0, 5391.0, 5375.0, 5609.0, 5619.0, 5557.0, 5463.0, 5553.0, 5516.0, 5534.0, 5406.0, 5405.0, 5365.0, 5302.0, 5342.0, 5703.0, 5679.0, 5610.0, 5376.0, 5528.0, 5443.0, 5694.0
23	5320	9	1	333	1	5633.0, 5323.0, 5292.0, 5286.0, 5705.0, 5364.0, 5433.0, 5627.0, 5722.0, 5360.0, 5393.0, 5401.0, 5626.0, 5692.0, 5547.0, 5501.0, 5529.0, 5335.0, 5377.0, 5604.0, 5441.0, 5465.0, 5428.0, 5495.0, 5338.0, 5514.0, 5403.0, 5490.0, 5308.0, 5283.0,

						5699.0, 5326.0, 5425.0, 5709.0, 5260.0, 5459.0, 5596.0, 5472.0, 5520.0, 5359.0, 5542.0, 5351.0, 5635.0, 5497.0, 5448.0, 5714.0, 5525.0, 5551.0, 5666.0, 5667.0, 5631.0, 5333.0, 5659.0, 5528.0, 5486.0, 5254.0, 5331.0, 5418.0, 5402.0, 5483.0, 5597.0, 5554.0, 5534.0, 5421.0, 5526.0, 5685.0, 5606.0, 5419.0, 5654.0, 5322.0, 5447.0, 5679.0, 5456.0, 5375.0, 5354.0, 5668.0, 5352.0, 5394.0, 5427.0, 5318.0, 5556.0, 5550.0, 5474.0, 5665.0, 5344.0, 5643.0, 5446.0, 5539.0, 5590.0, 5350.0, 5320.0, 5453.0, 5284.0, 5316.0, 5707.0, 5559.0, 5413.0, 5363.0, 5385.0, 5396.0
24	5320	9	1	333	1	5318.0, 5699.0, 5481.0, 5326.0, 5463.0, 5279.0, 5419.0, 5325.0, 5582.0, 5523.0, 5378.0, 5377.0, 5664.0, 5573.0, 5267.0, 5634.0, 5273.0, 5611.0, 5444.0, 5566.0, 5693.0, 5475.0, 5389.0, 5584.0, 5606.0, 5644.0, 5503.0, 5628.0, 5528.0, 5695.0, 5706.0, 5538.0, 5472.0, 5703.0, 5268.0, 5564.0, 5310.0, 5323.0, 5266.0, 5288.0, 5569.0, 5301.0, 5681.0, 5688.0, 5609.0, 5322.0, 5450.0, 5470.0, 5614.0, 5696.0, 5416.0, 5352.0, 5436.0, 5557.0, 5282.0, 5430.0, 5541.0, 5658.0, 5559.0, 5613.0, 5708.0, 5423.0, 5671.0, 5374.0, 5486.0, 5722.0, 5327.0, 5420.0, 5694.0, 5604.0, 5496.0, 5381.0, 5677.0, 5369.0, 5594.0, 5580.0, 5647.0, 5467.0, 5405.0, 5663.0, 5665.0, 5306.0, 5590.0, 5576.0, 5328.0, 5334.0, 5551.0, 5668.0, 5324.0, 5626.0, 5686.0, 5464.0, 5622.0, 5371.0, 5438.0, 5617.0, 5401.0, 5514.0, 5285.0, 5621.0
25	5320	9	1	333	1	5539.0, 5581.0, 5698.0, 5634.0, 5631.0, 5508.0, 5700.0, 5434.0, 5350.0, 5415.0, 5402.0, 5258.0, 5478.0, 5546.0, 5292.0, 5405.0, 5515.0, 5315.0, 5697.0, 5406.0, 5412.0, 5718.0, 5494.0, 5704.0, 5570.0, 5458.0, 5712.0, 5442.0, 5632.0, 5684.0, 5607.0, 5372.0, 5287.0, 5665.0, 5451.0, 5318.0, 5560.0, 5690.0, 5534.0, 5469.0, 5713.0, 5487.0, 5291.0, 5370.0, 5341.0, 5321.0, 5481.0, 5663.0, 5503.0, 5364.0, 5263.0, 5348.0, 5313.0, 5443.0, 5495.0, 5324.0, 5578.0, 5447.0, 5436.0, 5293.0, 5591.0, 5656.0, 5283.0, 5359.0, 5408.0, 5717.0, 5418.0, 5437.0, 5435.0, 5692.0, 5509.0, 5683.0, 5274.0, 5679.0, 5257.0, 5643.0, 5453.0, 5476.0, 5721.0, 5702.0, 5346.0, 5311.0, 5644.0, 5384.0, 5590.0, 5369.0, 5693.0, 5358.0, 5433.0, 5689.0, 5281.0, 5498.0, 5500.0, 5522.0, 5492.0, 5604.0, 5556.0, 5674.0, 5594.0, 5651.0
26	5320	9	1	333	1	5609.0, 5322.0, 5582.0, 5455.0, 5340.0, 5400.0, 5560.0, 5722.0, 5703.0, 5453.0, 5583.0, 5595.0, 5477.0, 5571.0, 5568.0, 5272.0, 5435.0, 5357.0, 5488.0, 5591.0, 5723.0, 5530.0, 5539.0, 5587.0, 5271.0,

						5405.0, 5354.0, 5692.0, 5534.0, 5398.0, 5647.0, 5511.0, 5475.0, 5541.0, 5286.0, 5549.0, 5304.0, 5301.0, 5463.0, 5601.0, 5270.0, 5444.0, 5564.0, 5544.0, 5473.0, 5288.0, 5716.0, 5355.0, 5611.0, 5332.0, 5259.0, 5652.0, 5268.0, 5588.0, 5708.0, 5565.0, 5266.0, 5580.0, 5570.0, 5498.0, 5660.0, 5326.0, 5574.0, 5297.0, 5529.0, 5413.0, 5503.0, 5616.0, 5255.0, 5460.0, 5502.0, 5432.0, 5342.0, 5363.0, 5254.0, 5331.0, 5487.0, 5376.0, 5528.0, 5290.0, 5347.0, 5440.0, 5680.0, 5650.0, 5578.0, 5474.0, 5648.0, 5531.0, 5344.0, 5335.0, 5586.0, 5521.0, 5383.0, 5461.0, 5597.0, 5307.0, 5284.0, 5662.0, 5590.0, 5507.0
27	5320	9	1	333	1	5458.0, 5621.0, 5705.0, 5460.0, 5546.0, 5676.0, 5544.0, 5555.0, 5547.0, 5376.0, 5667.0, 5492.0, 5694.0, 5429.0, 5422.0, 5354.0, 5493.0, 5360.0, 5474.0, 5537.0, 5625.0, 5710.0, 5654.0, 5553.0, 5526.0, 5380.0, 5446.0, 5370.0, 5413.0, 5721.0, 5414.0, 5409.0, 5449.0, 5410.0, 5635.0, 5403.0, 5661.0, 5632.0, 5423.0, 5699.0, 5425.0, 5314.0, 5363.0, 5521.0, 5327.0, 5311.0, 5606.0, 5516.0, 5675.0, 5630.0, 5333.0, 5322.0, 5417.0, 5397.0, 5279.0, 5483.0, 5701.0, 5367.0, 5569.0, 5475.0, 5642.0, 5510.0, 5434.0, 5297.0, 5302.0, 5275.0, 5444.0, 5289.0, 5711.0, 5591.0, 5593.0, 5692.0, 5622.0, 5535.0, 5467.0, 5316.0, 5481.0, 5551.0, 5498.0, 5596.0, 5298.0, 5326.0, 5342.0, 5381.0, 5292.0, 5318.0, 5584.0, 5702.0, 5562.0, 5686.0, 5421.0, 5693.0, 5697.0, 5523.0, 5329.0, 5695.0, 5293.0, 5628.0, 5435.0, 5412.0
28	5320	9	1	333	1	5697.0, 5688.0, 5281.0, 5515.0, 5647.0, 5712.0, 5557.0, 5581.0, 5654.0, 5648.0, 5459.0, 5393.0, 5431.0, 5670.0, 5607.0, 5313.0, 5610.0, 5584.0, 5443.0, 5416.0, 5598.0, 5371.0, 5559.0, 5421.0, 5603.0, 5466.0, 5615.0, 5252.0, 5254.0, 5472.0, 5454.0, 5553.0, 5384.0, 5616.0, 5528.0, 5529.0, 5507.0, 5656.0, 5417.0, 5439.0, 5437.0, 5536.0, 5510.0, 5270.0, 5468.0, 5604.0, 5561.0, 5336.0, 5397.0, 5601.0, 5296.0, 5681.0, 5520.0, 5433.0, 5329.0, 5370.0, 5337.0, 5298.0, 5722.0, 5583.0, 5617.0, 5297.0, 5672.0, 5549.0, 5470.0, 5556.0, 5405.0, 5693.0, 5494.0, 5301.0, 5432.0, 5540.0, 5453.0, 5668.0, 5643.0, 5642.0, 5268.0, 5289.0, 5271.0, 5684.0, 5706.0, 5539.0, 5406.0, 5391.0, 5365.0, 5645.0, 5489.0, 5476.0, 5462.0, 5517.0, 5686.0, 5374.0, 5545.0, 5322.0, 5627.0, 5533.0, 5694.0, 5358.0, 5478.0, 5619.0
29	5320	9	1	333	1	5256.0, 5502.0, 5665.0, 5447.0, 5488.0, 5476.0, 5320.0, 5647.0, 5303.0, 5484.0, 5272.0, 5341.0, 5683.0, 5309.0, 5497.0, 5524.0, 5547.0, 5579.0, 5544.0, 5531.0,

						5384.0, 5721.0, 5480.0, 5288.0, 5607.0, 5317.0, 5538.0, 5646.0, 5451.0, 5419.0, 5421.0, 5509.0, 5692.0, 5276.0, 5578.0, 5424.0, 5361.0, 5344.0, 5560.0, 5694.0, 5432.0, 5542.0, 5373.0, 5624.0, 5529.0, 5445.0, 5257.0, 5334.0, 5435.0, 5260.0, 5283.0, 5346.0, 5310.0, 5527.0, 5605.0, 5543.0, 5316.0, 5517.0, 5261.0, 5442.0, 5658.0, 5514.0, 5438.0, 5274.0, 5371.0, 5571.0, 5304.0, 5548.0, 5343.0, 5632.0, 5286.0, 5511.0, 5539.0, 5273.0, 5353.0, 5348.0, 5664.0, 5659.0, 5622.0, 5378.0, 5677.0, 5713.0, 5369.0, 5482.0, 5489.0, 5287.0, 5606.0, 5491.0, 5333.0, 5617.0, 5574.0, 5318.0, 5426.0, 5569.0, 5460.0, 5441.0, 5523.0, 5315.0, 5672.0, 5630.0
30	5320	9	1	333	1	5259.0, 5703.0, 5276.0, 5654.0, 5413.0, 5459.0, 5404.0, 5406.0, 5313.0, 5357.0, 5380.0, 5525.0, 5382.0, 5431.0, 5493.0, 5494.0, 5669.0, 5635.0, 5513.0, 5709.0, 5418.0, 5650.0, 5610.0, 5366.0, 5371.0, 5411.0, 5524.0, 5263.0, 5393.0, 5688.0, 5473.0, 5541.0, 5518.0, 5537.0, 5469.0, 5702.0, 5683.0, 5719.0, 5458.0, 5337.0, 5351.0, 5423.0, 5710.0, 5699.0, 5664.0, 5615.0, 5261.0, 5378.0, 5457.0, 5364.0, 5422.0, 5653.0, 5432.0, 5390.0, 5487.0, 5580.0, 5468.0, 5705.0, 5570.0, 5488.0, 5475.0, 5286.0, 5555.0, 5606.0, 5641.0, 5694.0, 5477.0, 5385.0, 5315.0, 5676.0, 5681.0, 5429.0, 5668.0, 5388.0, 5348.0, 5678.0, 5346.0, 5492.0, 5334.0, 5556.0, 5554.0, 5294.0, 5553.0, 5436.0, 5577.0, 5269.0, 5701.0, 5483.0, 5656.0, 5444.0, 5293.0, 5645.0, 5608.0, 5288.0, 5508.0, 5550.0, 5358.0, 5273.0, 5338.0, 5648.0

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: Mesh

Compliance, please refer the below data.

5250 MHz

Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5250	16	6.3	359	1
2	5250	16	6.4	253	1
3	5250	17	7.9	345	1
4	5250	16	9.1	434	1
5	5250	18	8.9	315	1
6	5250	18	7.1	384	1
7	5250	16	9.6	237	1
8	5250	17	6.5	201	1
9	5250	17	6.3	255	1
10	5250	17	9.1	298	1
11	5250	17	9.8	404	1
12	5250	16	7	349	1
13	5250	16	9.2	406	1
14	5250	17	6.1	291	1
15	5250	18	9.6	371	1
16	5250	17	8.4	483	0
17	5250	16	8.1	413	0
18	5250	17	7.3	423	1
19	5250	18	7.6	342	1
20	5250	17	8.6	340	1
21	5250	17	9.6	339	1
22	5250	17	7.9	326	1
23	5250	17	7.4	353	1
24	5250	18	8.4	389	1
25	5250	17	6.6	392	1
26	5250	17	9.9	441	1
27	5250	18	9.2	401	1
28	5250	17	9.7	329	1
29	5250	17	9.3	387	1
30	5250	17	7	477	1
Detection Percentage: 93.3 % (>60%)					

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