



FCC PART 15.407
DYNAMIC FREQUENCY SELECTION
TEST REPORT

For

Huawei Technologies Co., Ltd

Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C

FCC ID: QISHS8245W1

Report Type: Class II permissive change	Product Name: GPON Terminal
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Report Number: RDG170105002-00	
Report Date: 2017-02-07	
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Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Kunshan). This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The *Huawei Technologies Co., Ltd*'s product, model number: *EchoLife HS8245W* (FCC ID: *QISHS8245W1*) (or "EUT") in this report is a *GPON Terminal*, which was measured approximately: 295 mm (L) x 180 mm (W) x 82 mm (H), rated input voltage: DC 12V from adapter.

**All measurement and test data in this report was gathered from production sample serial number: 20161027004. (Assigned by the BACL. The EUT supplied by the applicant was received on 2016-10-28).*

Objective

This report is prepared on behalf of *Huawei Technologies Co., Ltd* in accordance with Part 2-Subpart J, Part 15-Subparts A, B and E of the Federal Communications Commission's rules.

The tests were performed in order to determine compliance with FCC Part 15.407(h), and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02

This is the Class II Permissive Change application of the device. The difference between the original device and the current one is as follows:

1. Add the frequency band: 5250~5350 MHz, 5470~5725 MHz.
2. Add the frequency band: 5150~5250 MHz band 802.11a/n ht20/ac vht20 channel 48(5240MHz), 802.11 n ht40/ac vht40 channel 46(5230MHz), and 802.11ac80 channel 42(5210MHz)

The change made to the device required DFS test, so we updated all test datas.

Related Submittal(s)/Grant(s)

Original submission with FCC ID: QISHS8245W1 which was granted on 2017-01-23.

Test Methodology

FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02.

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on No.248 Chenghu Road, Kunshan, Jiangsu province, China.

Test site at Bay Area Compliance Laboratories Corp. (Kunshan) has been fully described in reports submitted to the Federal Communication Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on November 06, 2014. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 815570. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The EUT was configured for testing in an engineering mode which was provided by the manufacturer.

EUT Exercise Software

The test was performed under: DOS command, which was provided by the manufacturer.

Equipment Modifications

N/A

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Dell	Laptop	E6410	/
DELL	Laptop	PP11L	QDS-BRCM1331

External Cable

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
RJ45 Cable	No	Yes	10	RJ45 Port of Laptop	EUT

SUMMARY OF TEST RESULTS

The following result table represents the list of measurements required under the CFR §47 Part 15.407(h), and 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

APPLICABLE STANDARDS

DFS Requirement

CFR §47 Part 15.407(h)

FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

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

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

Table 2: Applicability of DFS requirements during normal operation

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

Additional requirements for devices with multiple bandwidth modes	Master Device or Client with Radar Detection	Client Without Radar Detection
<i>U-NII Detection Bandwidth and Statistical Performance Check</i>	All BW modes must be tested	Not required
<i>Channel Move Time and Channel Closing Transmission Time</i>	Test using widest BW mode available	Test using the widest BW mode available for the link
<i>All other tests</i>	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		

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

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

Table 4: DFS Response Requirement Values

Parameter	Value
<i>Non-occupancy period</i>	Minimum 30 minutes
<i>Channel Availability Check Time</i>	60 seconds
<i>Channel Move Time</i>	10 seconds See Note 1.
<i>Channel Closing Transmission Time</i>	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
<i>U-NII Detection Bandwidth</i>	Minimum 100% of the U- NII 99% transmission power bandwidth. See Note 3.
<p>Note 1: <i>Channel Move Time</i> and the <i>Channel Closing Transmission Time</i> should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.</p> <p>Note 2: The <i>Channel Closing Transmission Time</i> is comprised of 200 milliseconds starting at the beginning of the <i>Channel Move Time</i> plus any additional intermittent control signals required to facilitate a <i>Channel move</i> (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.</p> <p>Note 3: During the <i>U-NII Detection Bandwidth</i> detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.</p>	

Table 5 – Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a	Roundup $\left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	60%	30
		Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

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

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

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

Table 5a - Pulse Repetition Intervals Values for Test A

Pulse Repetition Frequency Number	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)
1	1930.5	518
2	1858.7	538
3	1792.1	558
4	1730.1	578
5	1672.2	598
6	1618.1	618
7	1567.4	638
8	1519.8	658
9	1474.9	678
10	1432.7	698
11	1392.8	718
12	1355	738
13	1319.3	758
14	1285.3	778
15	1253.1	798
16	1222.5	818
17	1193.3	838
18	1165.6	858
19	1139	878
20	1113.6	898
21	1089.3	918
22	1066.1	938
23	326.2	3066

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

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

Table 6 – Long Pulse Radar Test Waveform

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

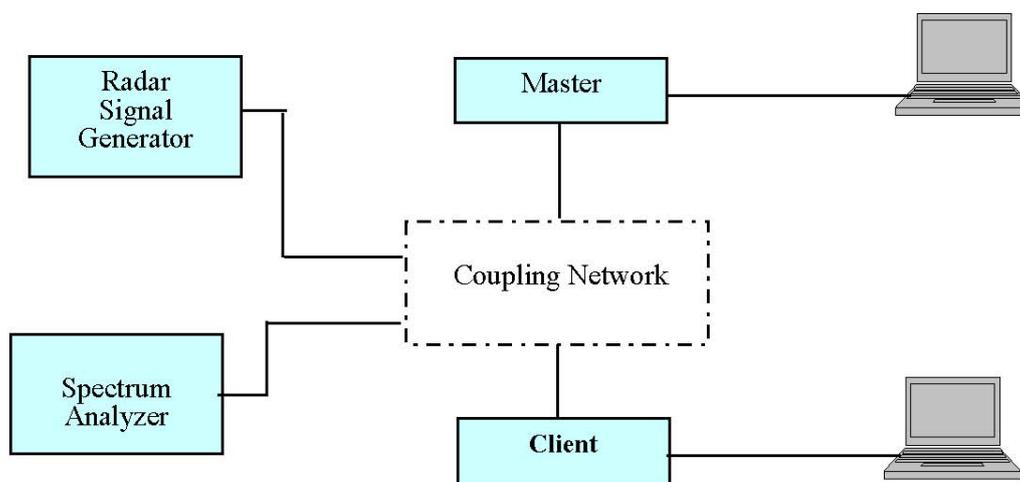
Table 7 – Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (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

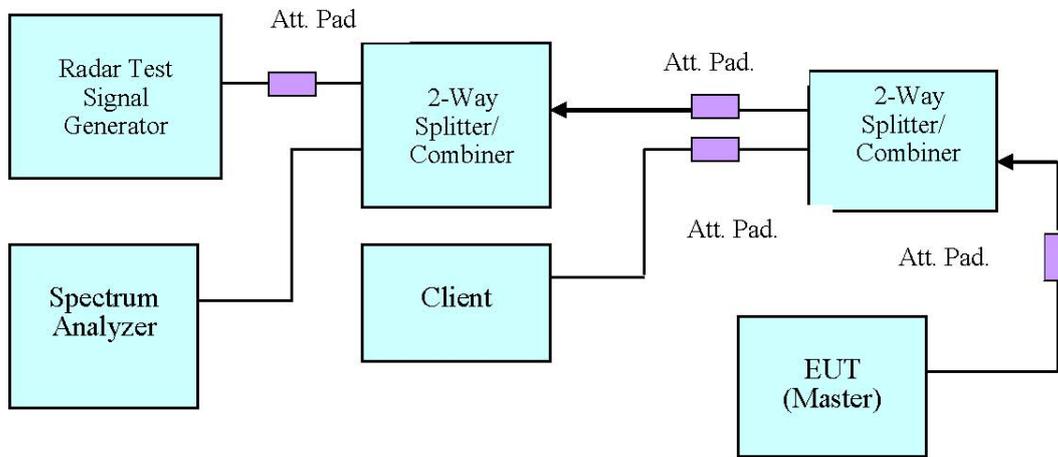
DFS Measurement System

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

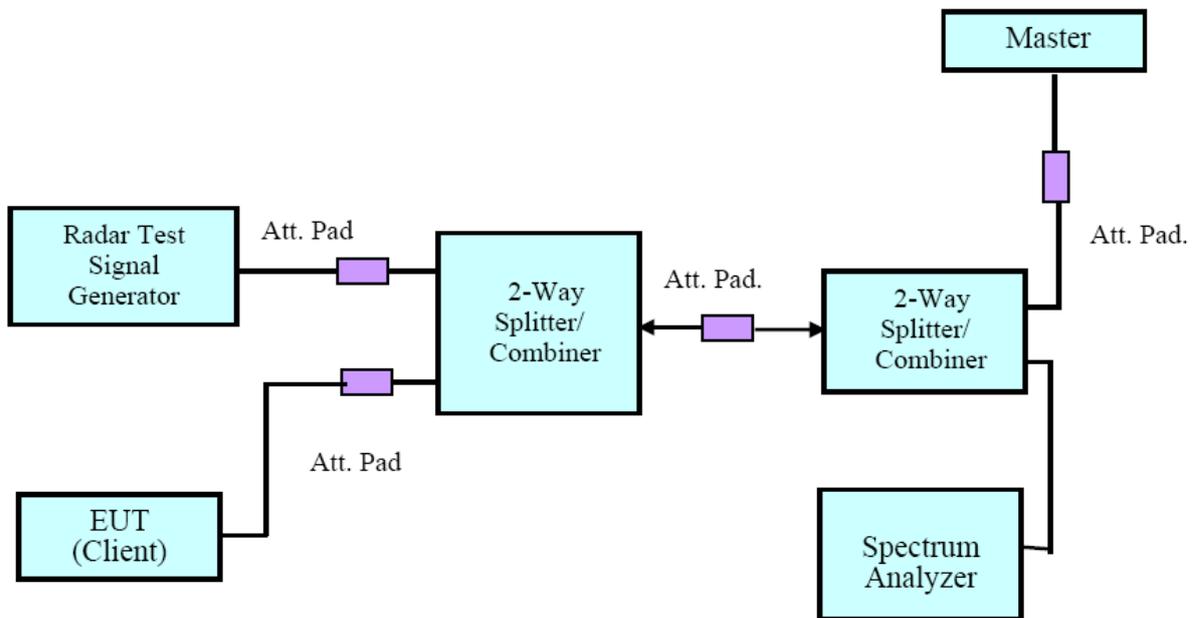
System Block Diagram



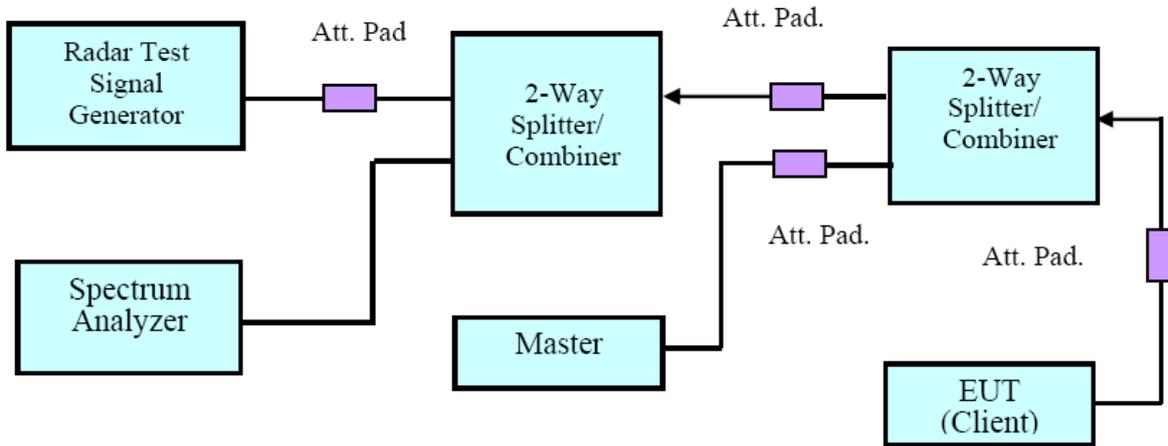
Conducted Method



Setup for Master with injection at the Master

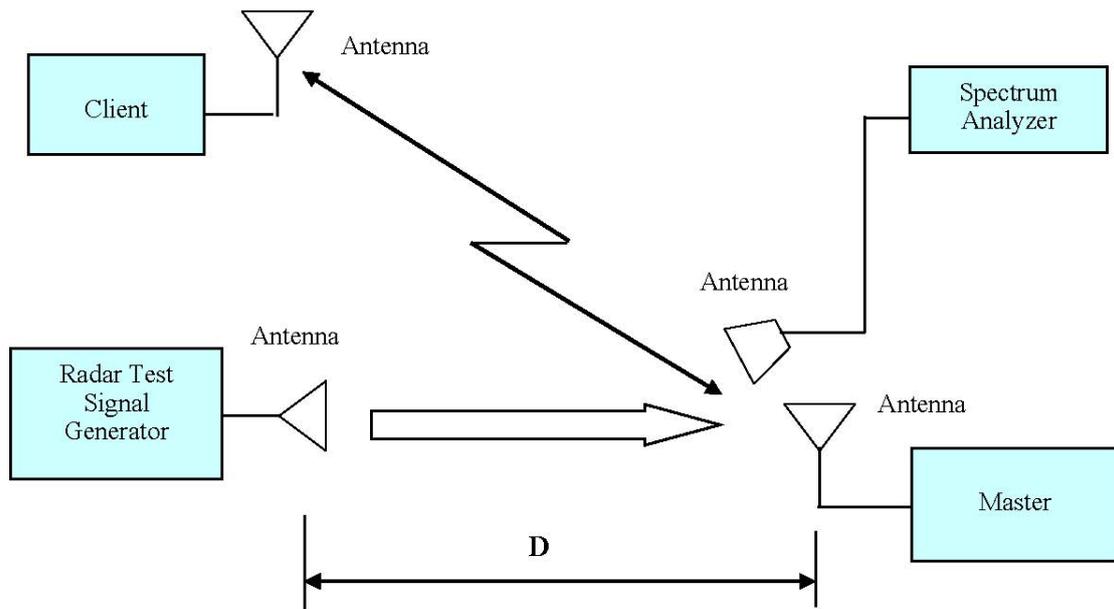


Setup for Client with injection at the Master



Setup for Client with injection at the Client

Radiated Method



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.

TEST RESULTS

Description of EUT

The EUT operates in 5230-5350 MHz and 5470-5725 MHz range

The maximum conducted output power of EUT is 23.75dBm in the 5250-5350MHz and 5470-5725MHz band, antenna gain is 2.0dBi, the Maximum E.I.R.P= $23.75+2=25.75\text{dBm}$ >23 dBm, Therefore the required interference threshold level is -64 dBm, the required radiated threshold at antenna port is -64dBm.

The calibrated radiated DFS detection threshold level is set to -64 dBm.

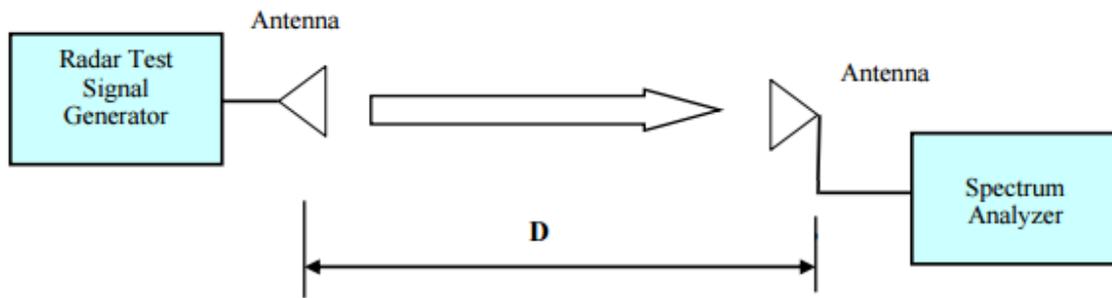
WLAN traffic is generated by streaming the video file TestFile.mpg, this file is used by IP and Frame based systems for loading the test channel during the In-service compliance testing of the U-NII device. The file is streamed from the Access Point to the Client in full motion video mode using the media player with the V2.61 Codec package.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	OSP120 BASE UNIT	OSP120	101247	2016-07-04	2017-07-03
Rohde & Schwarz	SIGNAL ANALYZER	FSV40	101116	2016-07-04	2017-07-03
Rohde & Schwarz	VECTOR SIGNAL GENERATOR	SMBV100A	261558	2016-07-04	2017-07-03
Rohde & Schwarz	SIGNAL GENERATOR	SMB100A	110390	2016-07-04	2017-07-03
Rohde & Schwarz	OSP120 BASE UNIT	OSP120	101247	2016-07-04	2017-07-03
Mini-circuits	Splitter/Combiner	ZX10-2-1252+	N/A	N/A	N/A
ETS	Horn Antenna	3115	6229	2016-01-11	2019-01-10
ETS	Horn Antenna	3115	00066542	N/A	N/A

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Radar Waveform Calibration



Radiated Calibration Setup Block Diagram

Test Environmental Conditions

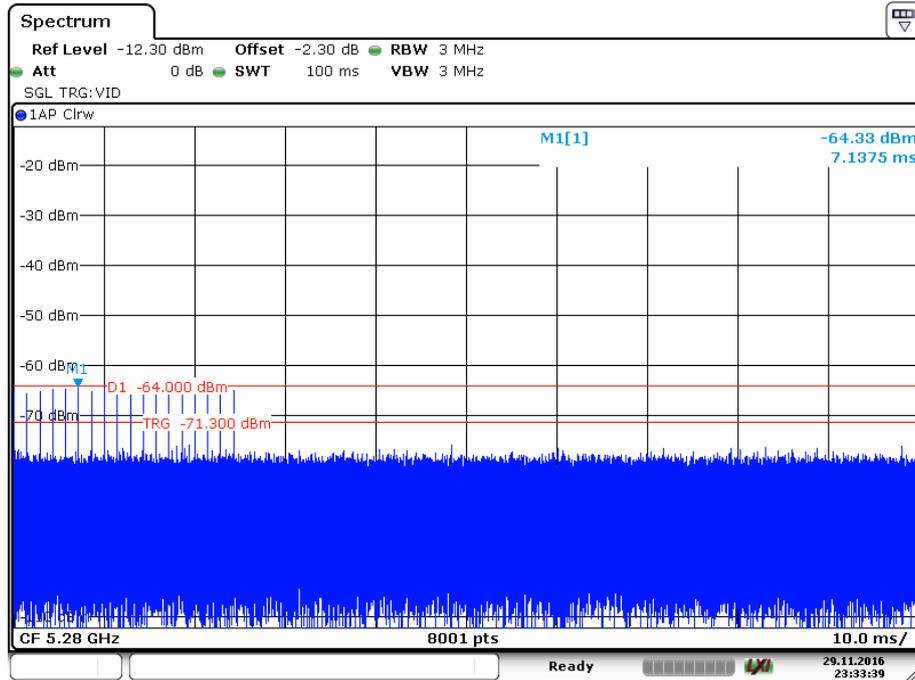
Temperature:	25.1~26.1 °C
Relative Humidity:	34~36 %
ATM Pressure:	101.5~101.6 kPa

The testing was performed by Edison Hu from 2016-11-29 to 2016-11-30.

Plots of Radar Waveforms

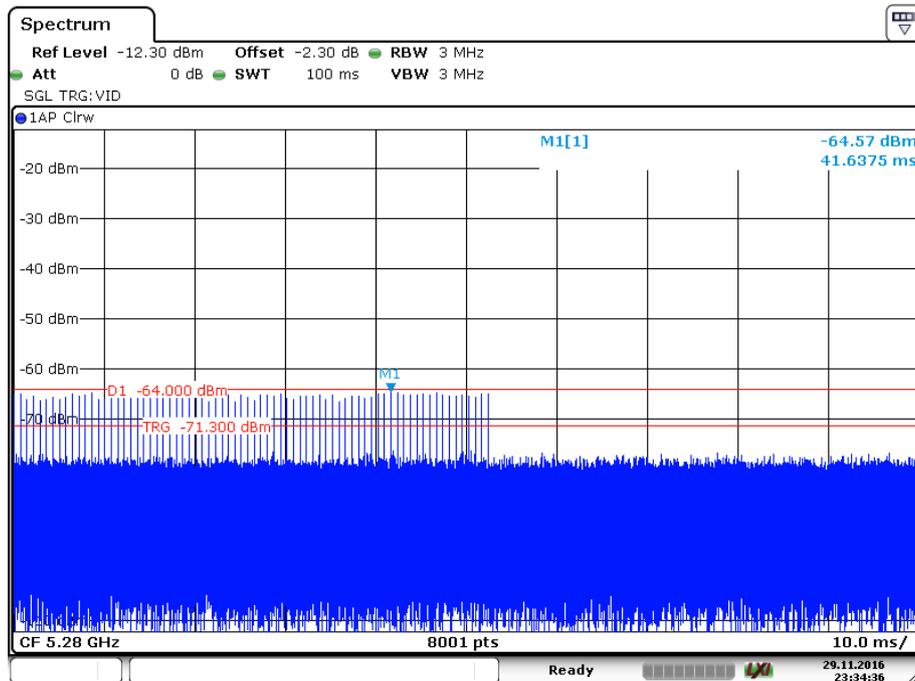
5280 MHz:

Radar Type 0



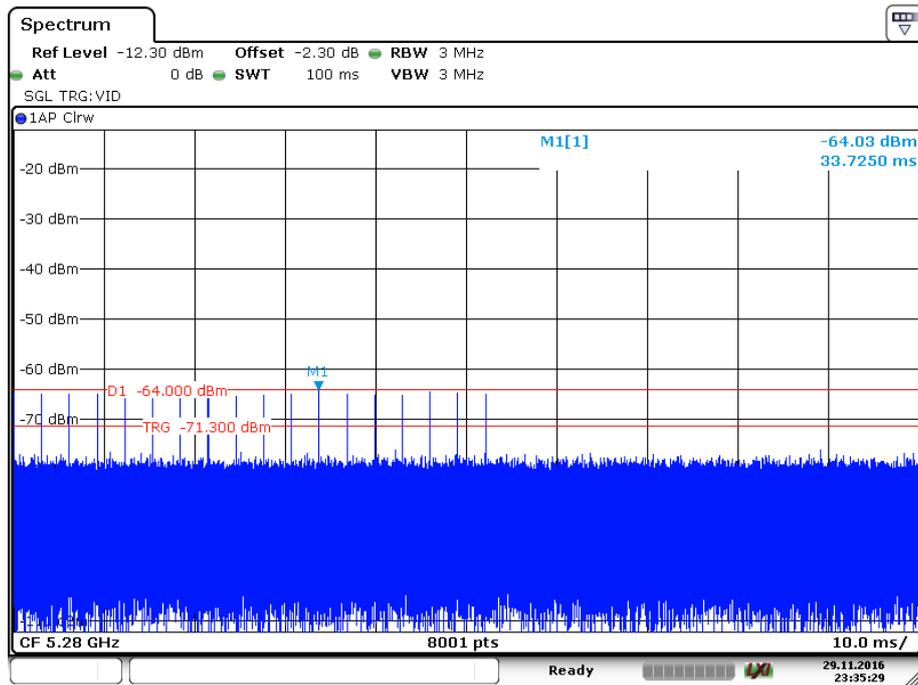
Date: 29 NOV. 2016 23:33:39

Radar Type 1A



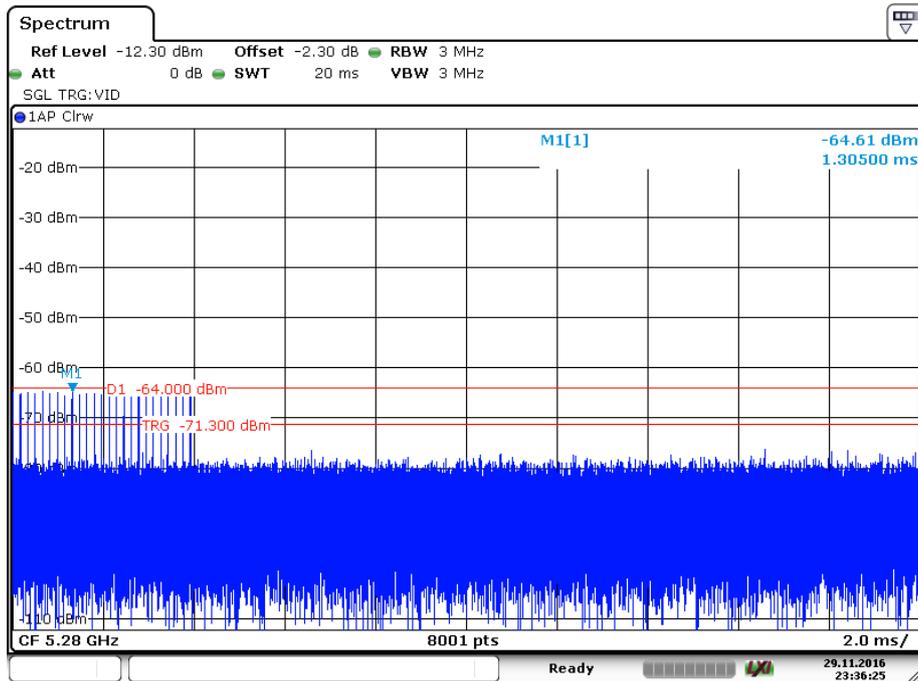
Date: 29 NOV. 2016 23:34:36

Radar Type 1B



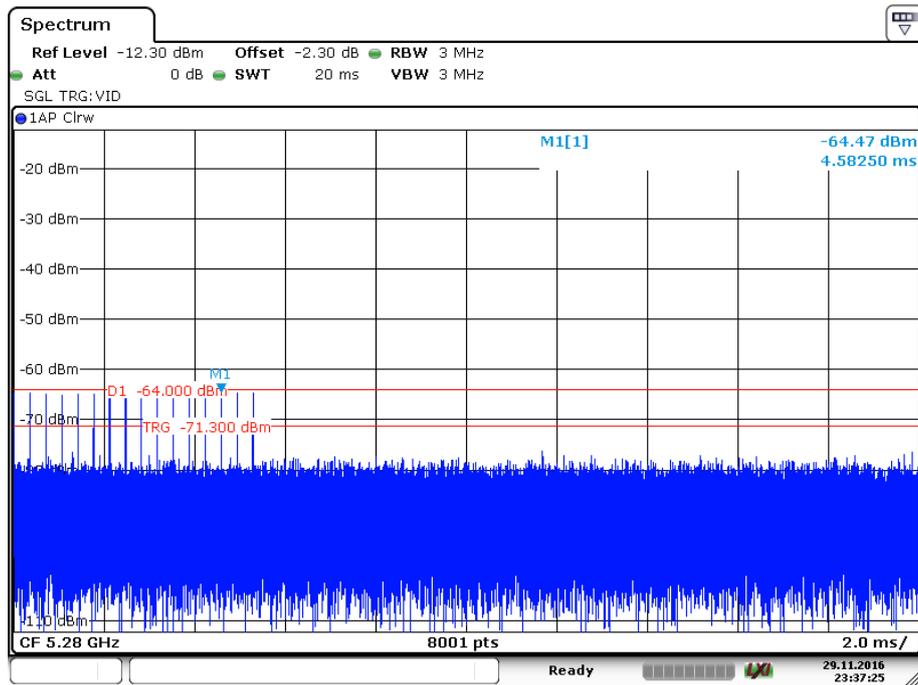
Date: 29 NOV.2016 23:35:29

Radar Type 2



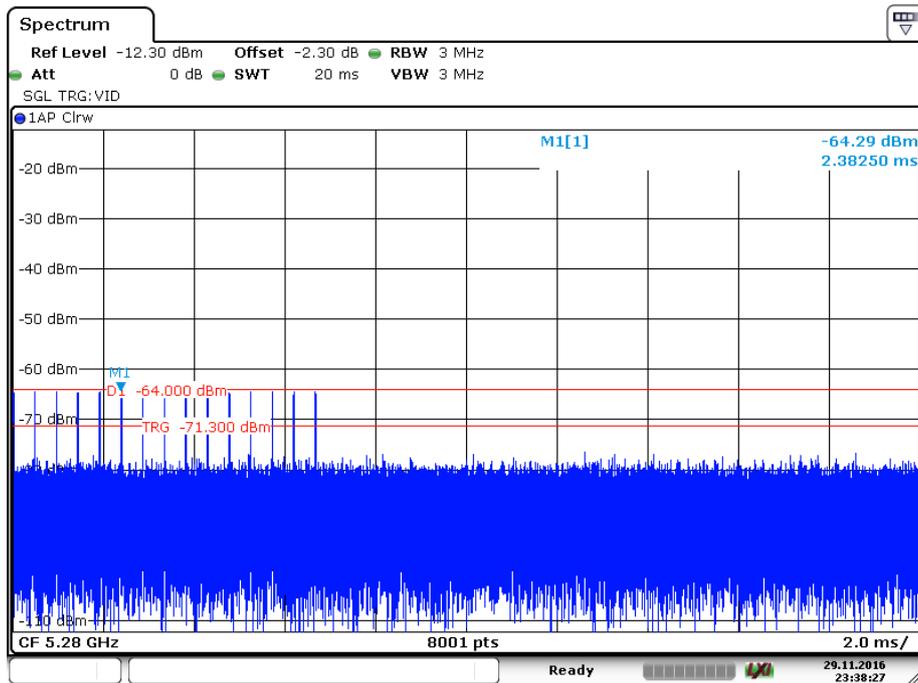
Date: 29 NOV.2016 23:36:25

Radar Type 3



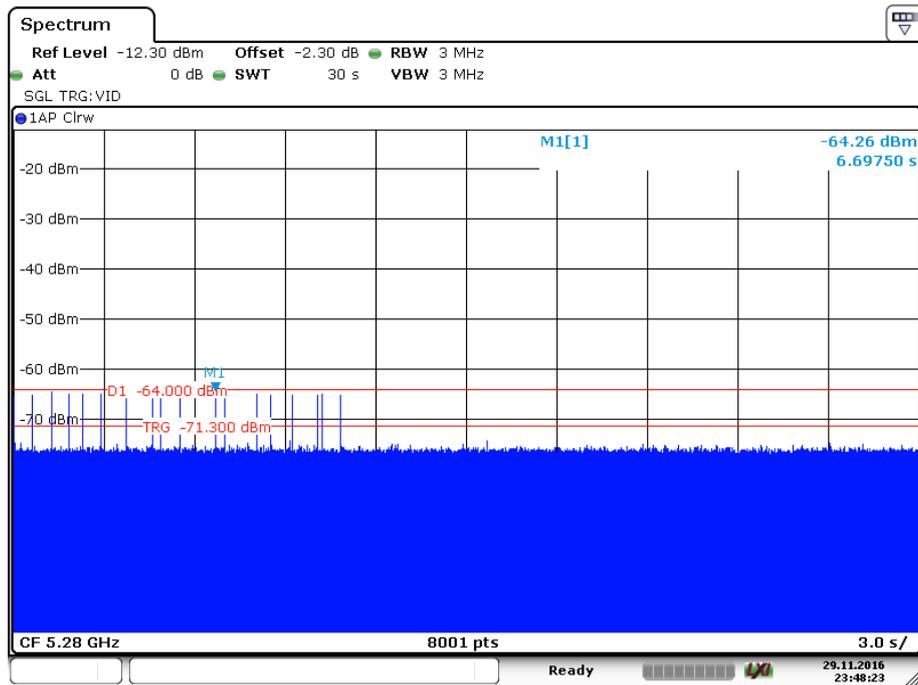
Date: 29 NOV.2016 23:37:25

Radar Type 4



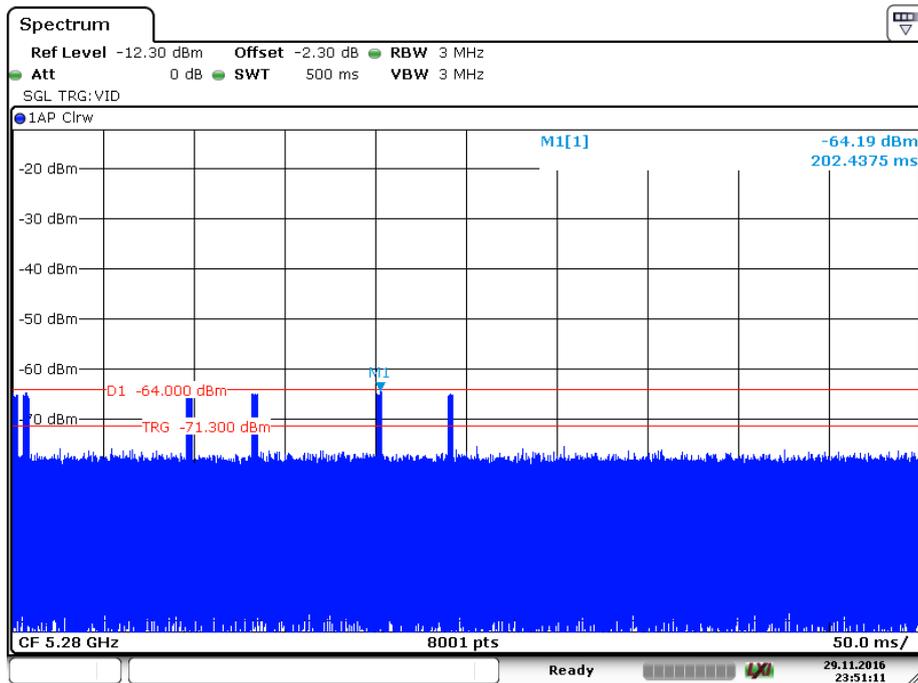
Date: 29 NOV.2016 23:38:28

Radar Type 5



Date: 29 NOV.2016 23:48:23

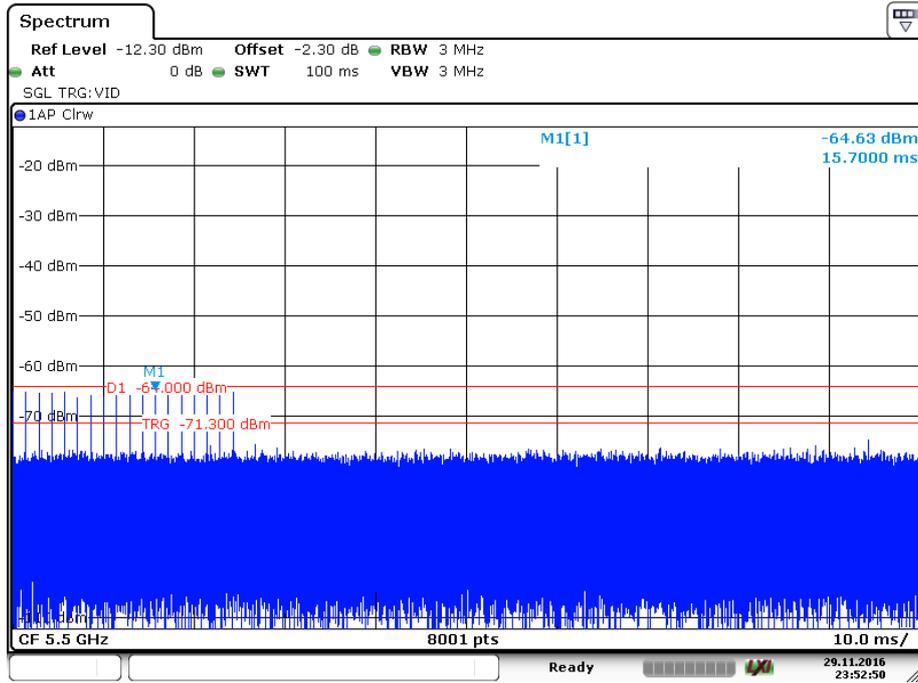
Radar Type 6



Date: 29 NOV.2016 23:51:11

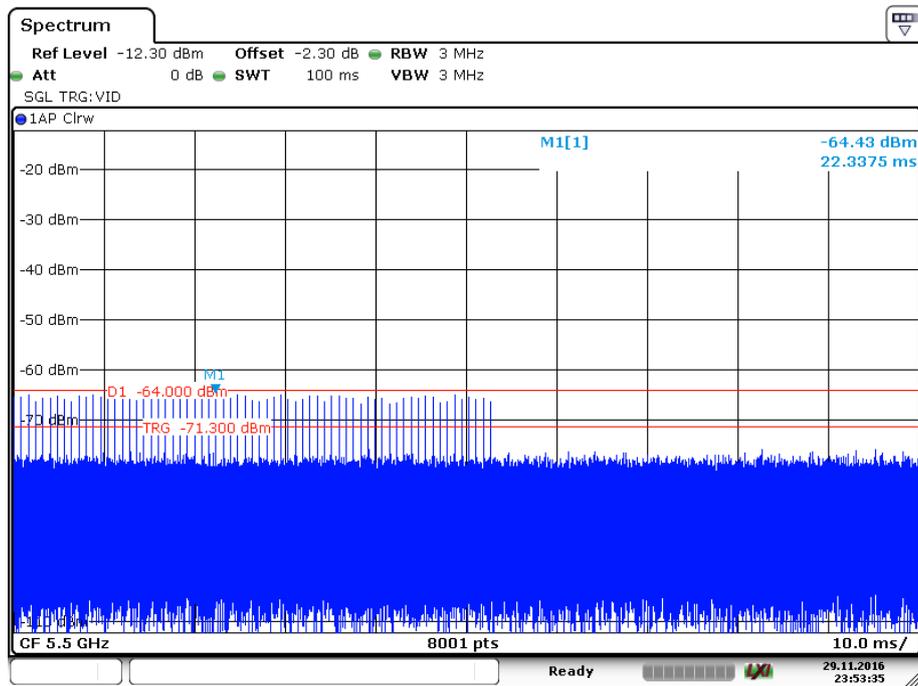
5500 MHz:

Radar Type 0



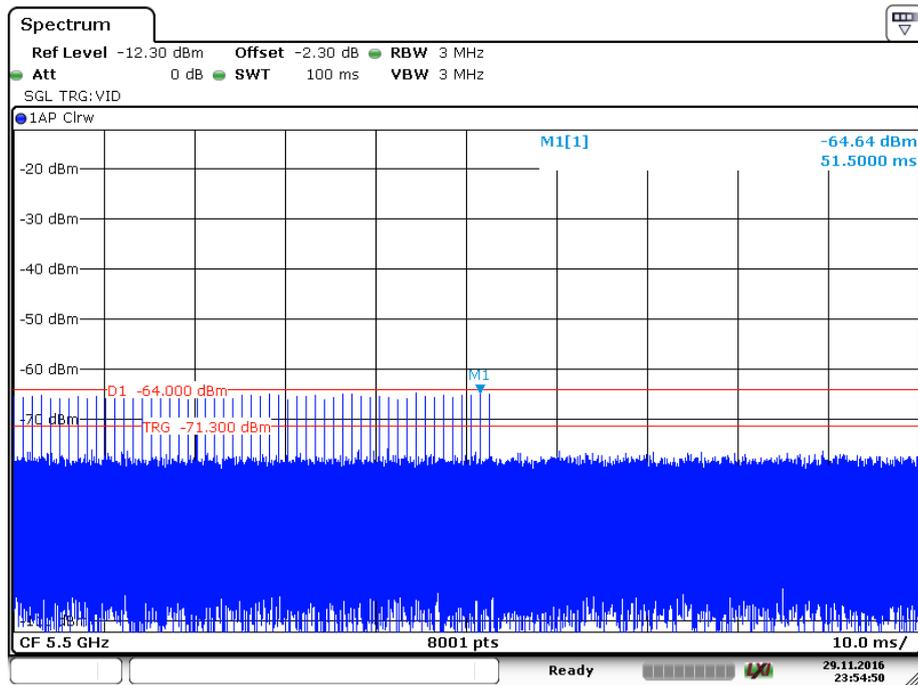
Date: 29 NOV.2016 23:52:50

Radar Type 1A



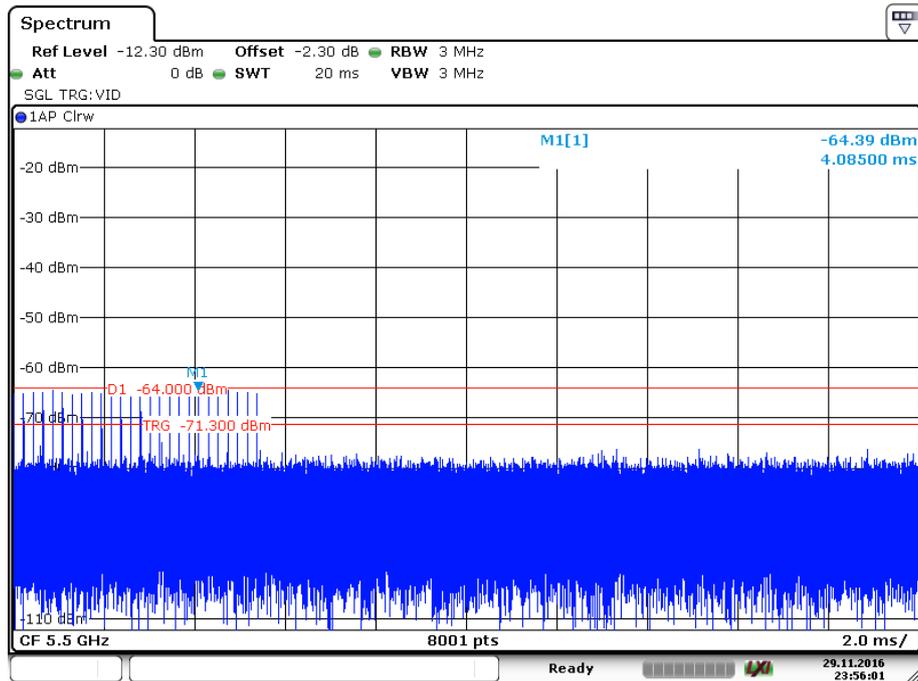
Date: 29 NOV.2016 23:53:34

Radar Type 1B



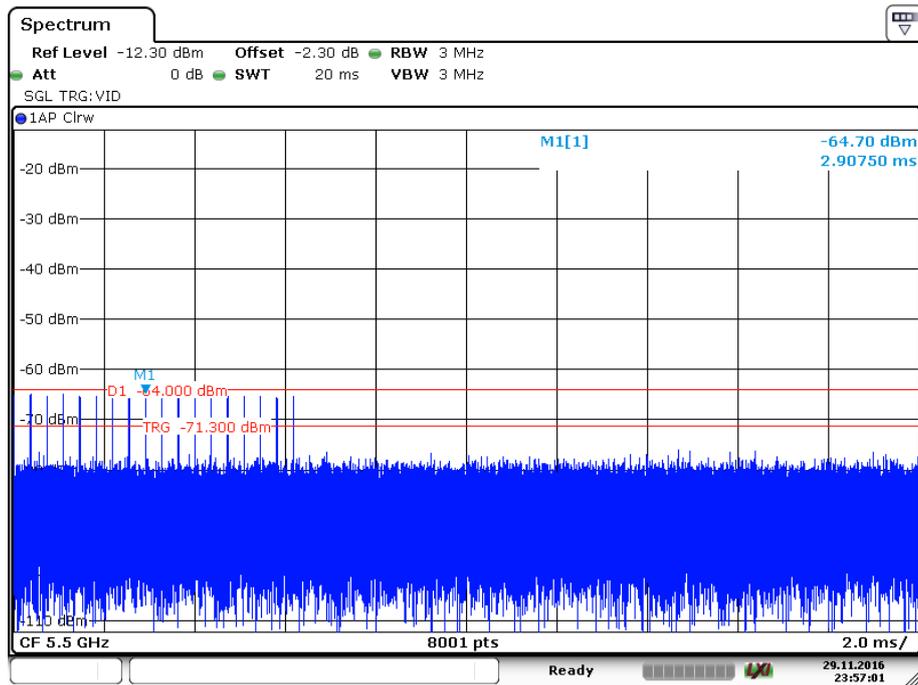
Date: 29 NOV .2016 23:54:50

Radar Type 2



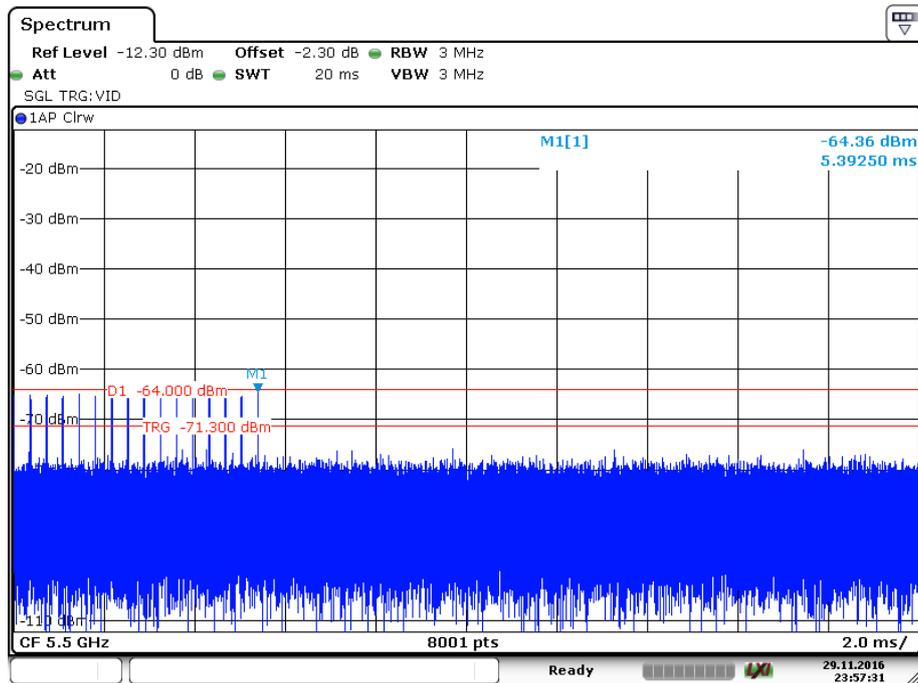
Date: 29 NOV .2016 23:56:01

Radar Type 3



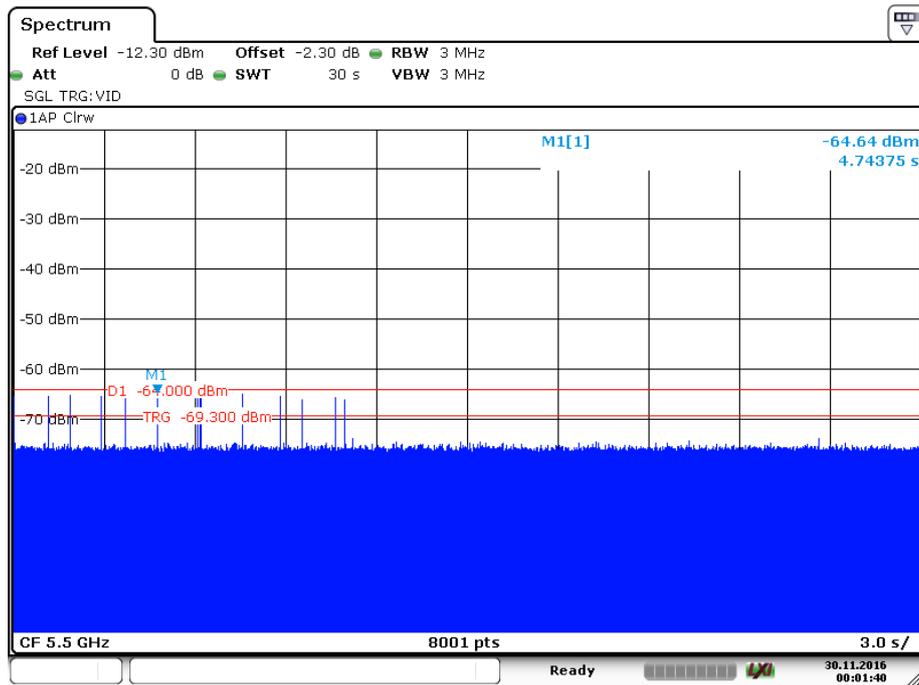
Date: 29 NOV .2016 23:57:00

Radar Type 4



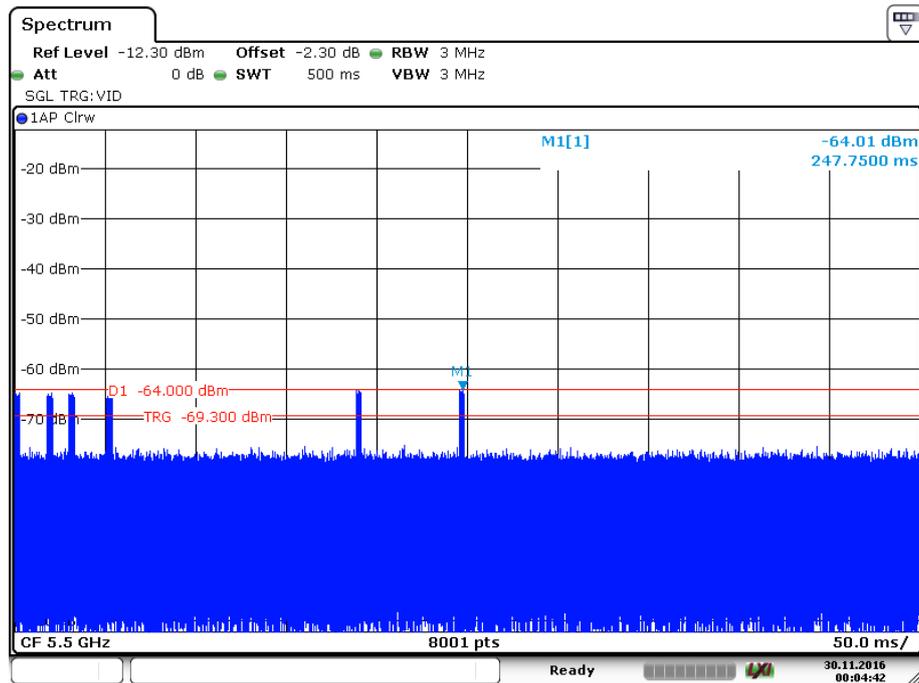
Date: 29 NOV .2016 23:57:31

Radar Type 5



Date: 30 NOV.2016 00:01:40

Radar Type 6



Date: 30 NOV.2016 00:04:42

CHANNEL AVAILABILITY CHECK TIME (CAC)

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.

EUT Initial power-up Cycle Time

Test Frequency (MHz)	EUT initial Power-up cycle (Second)
5280	51.89
5500	52.19

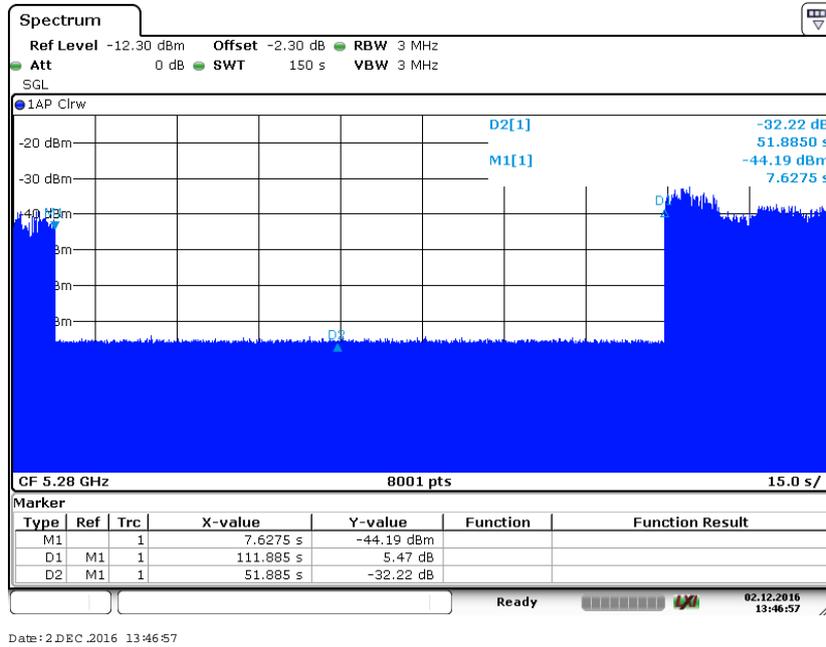
Results:

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.

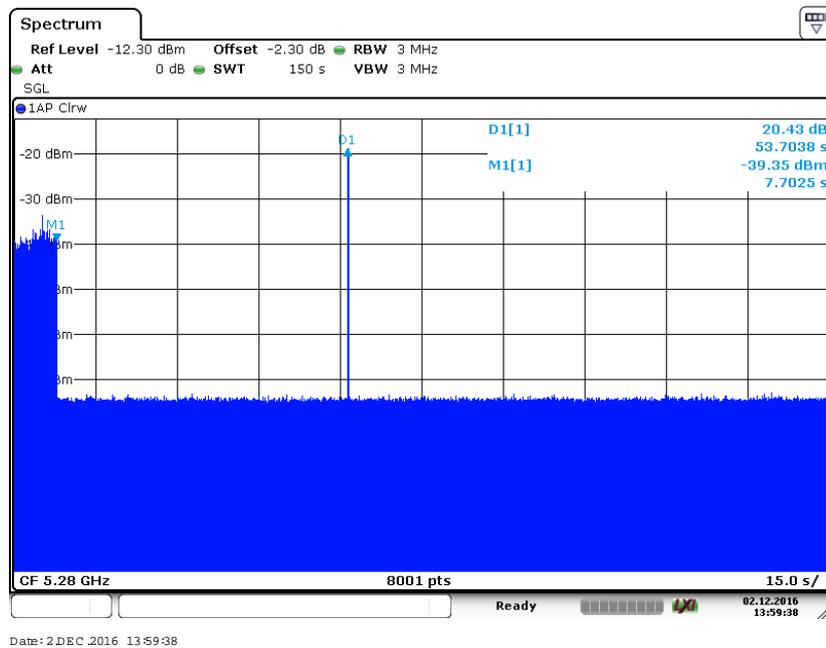
5280 MHz:

Plot of without Radar signal applied



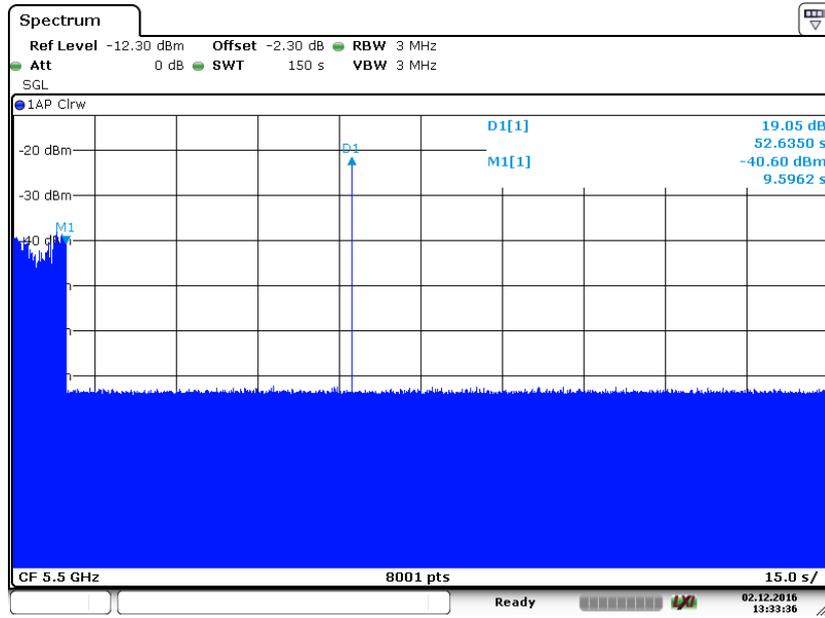
Note: The power-up cycle is 51.89 seconds.

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



No transmissions found after radar signal applied.

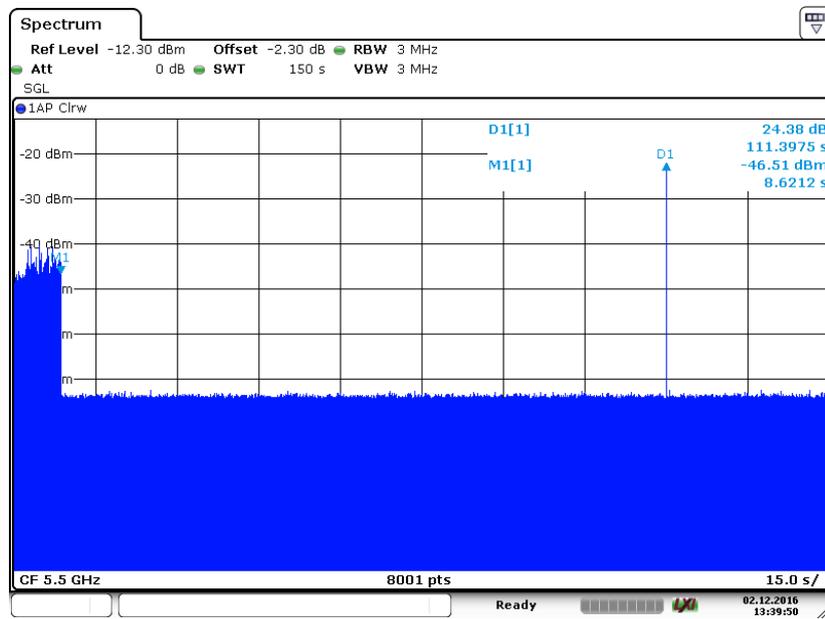
Plot of Radar signal applied within 6 seconds of start of CAC



Date: 2.DEC.2016 13:33:36

No transmissions found after radar signal applied.

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



Date: 2.DEC.2016 13:39:50

No transmissions found after radar signal applied.

CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

Test Procedure

Perform type 0 short pulse radar waveform, The aggregate channel closing transmission time is calculated as follows:

$$\text{Aggregate Transmission Time} = N * \text{Dwell Time}$$

N is the number of spectrum analyzer bins showing a device transmission Dwell Time is the dwell time per bin (i.e. $\text{Dwell Time} = S/B$, S is the sweep time and B is the number of bin, i.e. 8001)

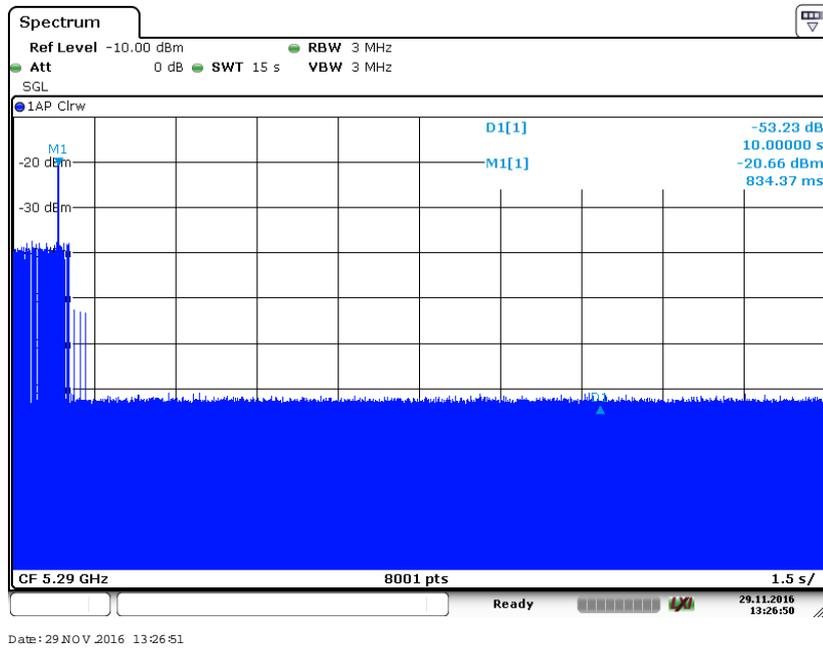
Test Results

Frequency (MHz)	Bandwidth (MHz)	Radar Type	Results
5290	80	Type 0	Compliant
5530	80	Type 0	Compliant

Please refer to the following tables and plots.

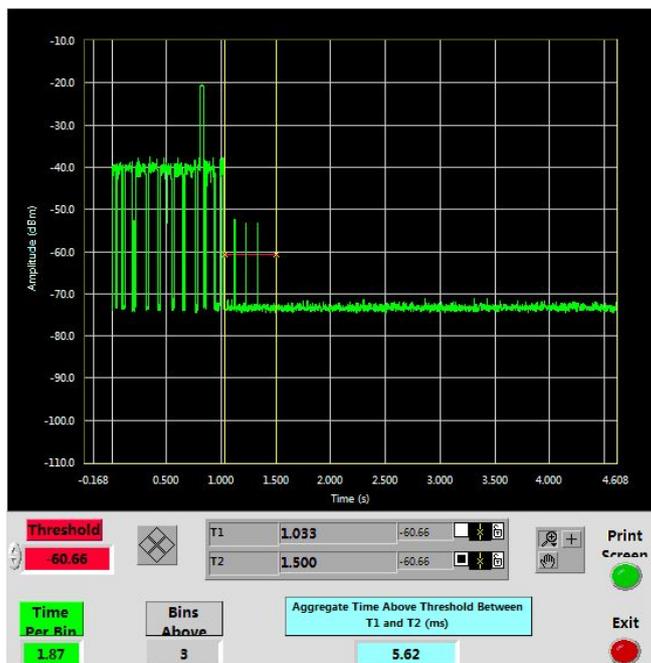
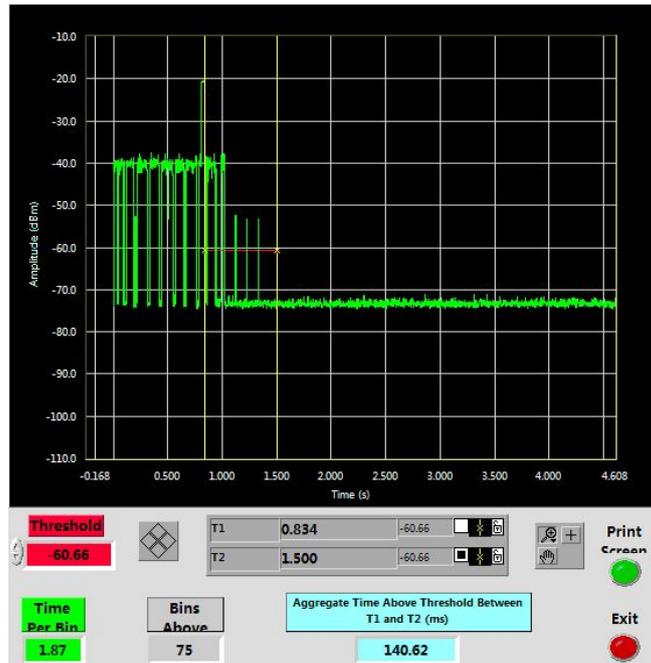
5290 MHz

Type 0 radar channel move time result:



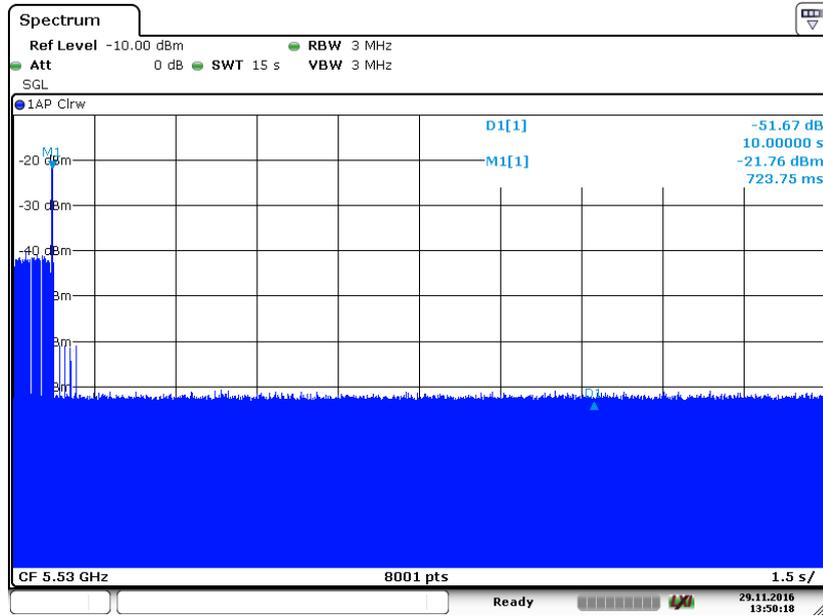
Type0 radar channel closing transmission time result:

Item	Time (ms)	Limit (ms)
Closing Transmission Time	140.62	200
Aggregate Transmission Time	5.62	60



5530 MHz

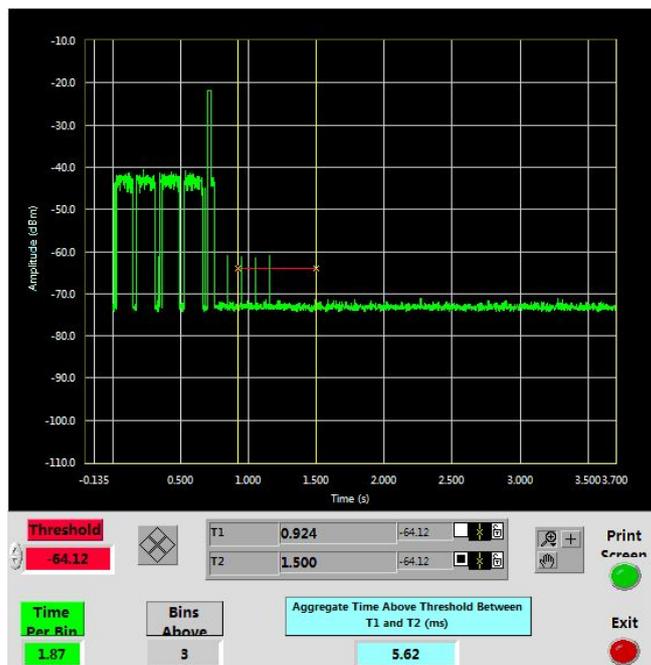
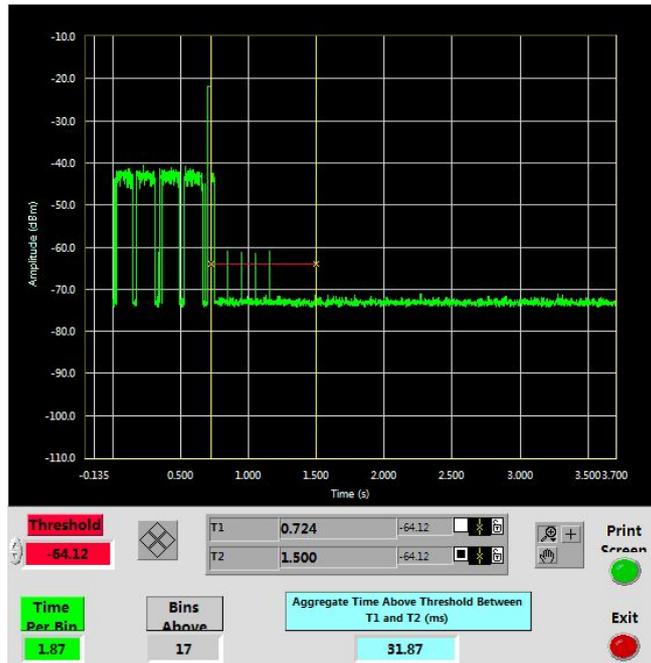
Type 0 radar channel move time result:



Date: 29 NOV 2016 13:50:18

Type0 radar channel closing transmission time result:

Item	Time (ms)	Limit (ms)
Closing Transmission Time	31.87	200
Aggregate Transmission Time	5.62	60



NON-OCCUPANCY PERIOD

Test Procedure

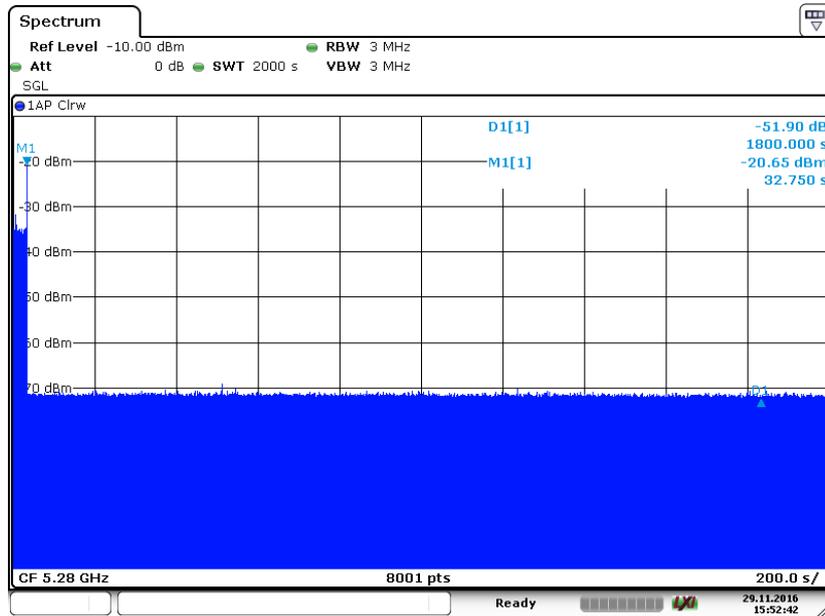
Measure the EUT for more than 30 minutes following the channel close/move time to verify that the EUT does not resume any transmissions on this channel. Provide one plot to demonstrate no transmission on the channel for the non-occupancy period (30 minutes observation time)

Test Result

Frequency(MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5280	20	No transmission within 30 minutes
5500	20	No transmission within 30 minutes

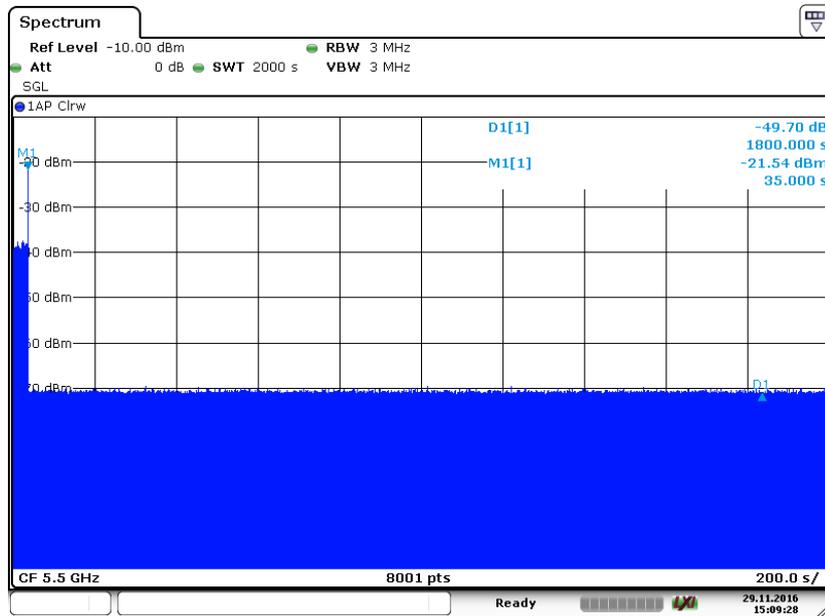
Please refer to the following plots.

5280 MHz



Date: 29.NOV.2016 15:52:43

5500 MHz



Date: 29.NOV.2016 15:09:27

DETECTION BANDWIDTH

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 .

Test Result

Frequency (MHz)	Bandwidth Systems (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Minimum Limit	Result
5280	20	5270	5290	20	17.72	100%	Compliance
5310	40	5291	5329	38	36.39	100%	Compliance
5290	80	5251	5329	78	75.99	100%	Compliance
5500	20	5490	5510	20	17.72	100%	Compliance
5510	40	5491	5529	38	36.23	100%	Compliance
5530	80	5491	5569	78	76.31	100%	Compliance

Please refer to the following tables and plots.

Results of Detection Bandwidth:

20MHz Bandwidth, EUT Frequency = 5280MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5270(F_L)	0	1	1	1	1	1	1	1	1	1	90 %
5271	1	1	1	1	1	1	1	1	1	1	100 %
5272	1	1	1	1	1	1	1	1	1	1	100 %
5273	1	1	1	1	1	1	1	1	1	1	100 %
5274	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5286	1	1	1	1	1	1	1	1	1	1	100 %
5287	1	1	1	1	1	1	1	1	1	1	100 %
5488	1	1	1	1	1	1	1	1	1	1	100 %
5289	1	1	1	1	1	1	1	1	1	1	100 %
5290(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = F _H - F _L = 5290-5270 = 20 MHz											
EUT 99% BW = 17.72 MHz;										Result: Pass	

20MHz Bandwidth, EUT Frequency = 5500MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5491	1	1	1	1	1	1	1	1	1	1	100 %
5492	1	1	1	1	1	1	1	1	1	1	100 %
5493	1	1	1	1	1	1	1	1	1	1	100 %
5494	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	0	1	1	1	1	1	90 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5506	1	1	1	1	1	1	1	1	1	1	100 %
5507	1	1	1	1	1	1	1	1	1	1	100 %
5508	1	1	1	1	1	1	1	1	1	1	100 %
5509	1	1	1	1	1	1	1	1	1	1	100 %
5510(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = F _H – F _L = 5510-5490 = 20 MHz											
EUT 99%BW =17.72 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 (%)
5291(F_L)	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	0	1	1	1	1	1	90 %
5310	1	1	1	1	1	1	1	1	1	1	100 %
5315	1	1	1	1	1	1	1	1	1	1	100 %
5320	1	1	1	1	1	1	1	1	1	1	100 %
5325	1	1	1	1	1	1	1	1	1	1	100 %
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(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = F _H – F _L = 5329-5291 = 38 MHz											
EUT 99% BW = 36.39 MHz;										Result: Pass	

40MHz Bandwidth, EUT Frequency = 5510 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5491(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5492	1	1	1	1	1	1	1	1	1	1	100 %
5493	1	1	1	1	1	1	1	1	1	1	100 %
5494	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5526	1	1	1	1	1	1	1	1	1	1	100 %
5527	1	1	1	1	1	1	1	1	1	1	100 %
5528	1	1	1	1	1	1	1	1	1	1	100 %
5529(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = F _H – F _L = 5529-5491 = 38 MHz											
EUT 99% BW = 36.23 MHz;										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 (%)
5251(F_L)	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	0	1	1	1	1	90 %
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(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = F _H - F _L = 5329-5251 = 78 MHz											
EUT 99% BW = 75.99 MHz										Result: Pass	

80MHz Bandwidth, EUT Frequency = 5530 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5491(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5492	1	1	1	1	1	1	1	1	1	1	100 %
5493	1	1	1	1	1	1	1	1	1	1	100 %
5494	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5566	1	1	1	1	1	1	1	1	1	1	100 %
5567	1	1	1	1	1	1	1	1	1	1	100 %
5568	1	1	1	1	1	1	1	1	1	1	100 %
5569(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = F _H – F _L = 5569-5491 = 78MHz											
EUT 99% BW = 76.31 MHz;										Result: Pass	

STATISTICAL PERFORMANCE CHECK

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).

Result:

5250-5350MHz, 20MHz,

Radar SignalType	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A	15	100%	60%	pass
Type 1B	15	100%		
Type 2	30	100 %	60%	Pass
Type 3	30	90 %	60%	Pass
Type 4	30	100 %	60%	Pass
Aggregate(Type1 to 4)	120	97.5 %	80%	Pass
Type 5	30	97%	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

5280MHz**Radar Type 1A Statistical Performance**

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5280	76	1	698	1
2	5280	98	1	538	1
3	5280	65	1	818	1
4	5280	74	1	718	1
5	5280	57	1	938	1
6	5280	63	1	838	1
7	5280	81	1	658	1
8	5280	89	1	598	1
9	5280	62	1	858	1
10	5280	58	1	918	1
11	5280	59	1	898	1
12	5280	70	1	758	1
13	5280	68	1	778	1
14	5280	78	1	678	1
15	5280	67	1	798	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	5280	23	1	2321	1
2	5280	41	1	1304	1
3	5280	28	1	1910	1
4	5280	30	1	1817	1
5	5280	21	1	2555	1
6	5280	24	1	2289	1
7	5280	23	1	2329	1
8	5280	61	1	870	1
9	5280	26	1	2100	1
10	5280	22	1	2457	1
11	5280	54	1	990	1
12	5280	91	1	582	1
13	5280	22	1	2396	1
14	5280	24	1	2218	1
15	5280	27	1	2008	1
Detection Percentage: 100 % (>60%)					

Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5280	26	4.1	190	1
2	5280	26	3.9	211	1
3	5280	23	1.8	178	1
4	5280	28	2.4	194	1
5	5280	27	3.2	175	1
6	5280	25	2.6	189	1
7	5280	26	4.7	185	1
8	5280	27	1.9	184	1
9	5280	24	1.8	173	1
10	5280	25	4.1	172	1
11	5280	28	3.7	173	1
12	5280	28	3.9	209	1
13	5280	26	1.5	163	1
14	5280	27	2	208	1
15	5280	25	1.2	158	1
16	5280	29	4.9	201	1
17	5280	25	1	176	1
18	5280	26	3.7	227	1
19	5280	29	5	155	1
20	5280	25	2.2	192	1
21	5280	23	4	152	1
22	5280	23	2.5	180	1
23	5280	28	4.6	221	1
24	5280	28	2.1	186	1
25	5280	23	4.6	184	1
26	5280	26	4	158	1
27	5280	23	1.4	207	1
28	5280	27	1.1	162	1
29	5280	28	2	162	1
30	5280	27	4.7	207	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	5280	16	6.4	437	1
2	5280	18	6.9	336	1
3	5280	16	8.7	298	1
4	5280	18	9.6	494	0
5	5280	18	7.3	405	1
6	5280	16	8.4	252	1
7	5280	18	6.3	471	1
8	5280	16	9.1	389	1
9	5280	16	7.1	267	1
10	5280	17	7	360	1
11	5280	17	9.4	332	0
12	5280	17	9.8	239	1
13	5280	17	6.8	285	1
14	5280	17	9.9	274	1
15	5280	18	6.3	477	1
16	5280	17	7.2	367	1
17	5280	17	6.6	288	1
18	5280	17	7.1	454	1
19	5280	18	8.8	430	1
20	5280	18	9	449	1
21	5280	16	9.5	491	0
22	5280	16	6.7	387	1
23	5280	16	6.2	298	1
24	5280	17	7.6	339	1
25	5280	17	6.1	231	1
26	5280	16	7.8	402	1
27	5280	17	8	292	1
28	5280	16	6.4	347	1
29	5280	17	6.4	213	1
30	5280	17	6.4	250	1
Detection Percentage: 90 % (>60%)					

Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5280	13	19.3	346	1
2	5280	15	17.5	463	1
3	5280	14	17.4	241	1
4	5280	12	11.6	422	1
5	5280	16	15	391	1
6	5280	13	19.1	341	1
7	5280	13	16.5	262	1
8	5280	14	12.2	461	1
9	5280	15	12.6	360	1
10	5280	13	14.7	359	1
11	5280	15	11.8	498	1
12	5280	13	11	465	1
13	5280	14	18.6	304	1
14	5280	16	11.9	484	1
15	5280	12	16.6	395	1
16	5280	15	14.9	435	1
17	5280	15	12.9	377	1
18	5280	15	15.7	412	1
19	5280	15	13.7	394	1
20	5280	15	15	468	1
21	5280	13	13.3	211	1
22	5280	15	16	379	1
23	5280	14	13.7	352	1
24	5280	14	11.9	264	1
25	5280	13	18.8	440	1
26	5280	15	18.4	430	1
27	5280	16	14.1	369	1
28	5280	13	19.8	275	1
29	5280	13	16.9	235	1
30	5280	13	14.5	460	1
Detection Percentage: 100 % (>60%)					

Radar Type 5 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5280MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	9	82.4	1950		299.437	1
2	2	9	62.5	1080		590.1	
3	2	9	74.9	1899		414.59	
4	2	9	54.8	1326		414.46	
5	2	9	74.7	1199		464.23	
6	2	9	51	1500		290.96	
7	2	9	71.8	1308		767.73	
8	2	9	61.4	1318		937.82	
9	2	9	77.6	1574		454.48	
10	2	9	65.6	1242		227.54	
11	3	9	70.2	1261	1435	924.2	
12	2	9	97.5	1224		942	

Statistics 2 (ChirpCenter Frequency: 5280 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	5	98.2			127.713	1
2	1	5	57.4			591.9	
3	3	5	90	1171	1494	312.01	
4	3	5	80.3	1531	1276	402.8	
5	2	5	90	1204		669.2	
6	2	5	56.9	1888		32.56	
7	3	5	65.8	1591	1274	671.48	
8	1	5	51.4			290.89	
9	2	5	78.9	1711		649.5	
10	2	5	66.6	1117		206.58	
11	2	5	97	1251		333.51	
12	2	5	61.8	1059		259.35	
13	3	5	89.3	1702	1842	655.47	
14	3	5	82.5	1318	1606	428.9	
15	2	5	79.4	1665		462.2	
16	2	5	78	1505		660.8	

Statistics 3 (ChirpCenter Frequency: 5280 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	15	80.8	1825		221.03	1
2	3	15	94.2	1920	1668	91.528	
3	1	15	73.8			365.727	
4	2	15	53.7	1061		428.46	
5	1	15	80.8			587.603	
6	1	15	87.1			299.697	
7	3	15	83.4	1347	1790	75.02	
8	2	15	59.8	1776		250.083	
9	2	15	99	1041		289.317	
10	2	15	58.8	1145		149.21	
11	2	15	93	1411		315.903	
12	3	15	86.2	1009	1691	337.027	
13	2	15	54.5	1826		381.44	
14	3	15	85.8	1891	1853	652.243	
15	2	15	94.3	1438		393.147	
16	3	15	83.8	1403	1025	88.6	
17	1	15	58.9			418.833	
18	1	15	82.9			431.167	

Statistics 4 (ChirpCenter Frequency: 5280 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	13	74.2	1905		198.183	1
2	2	13	87.4	1978		106.718	
3	1	13	72.3			443.647	
4	1	13	52.4			315.17	
5	2	13	57.6	1719		229.983	
6	2	13	86.9	1463		174.477	
7	1	13	54.2			421.43	
8	3	13	71	1462	1237	529.203	
9	1	13	87.8			303.627	
10	2	13	96	1946		32.03	
11	1	13	65.4			297.443	
12	1	13	68.9			224.217	
13	3	13	81.5	1056	1742	225.54	
14	1	13	59.7			182.623	
15	2	13	50.5	1291		469.307	
16	1	13	88.7			508.5	
17	1	13	89.5			552.733	
18	2	13	74.4	1963		170.667	

Statistics 5(ChirpCenter Frequency: 5280 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	7	62.6			520.653	1
2	1	7	82.6			328.683	
3	2	7	59.8	1625		279.246	
4	2	7	70.5	1733		50.969	
5	2	7	98.9	1970		781.452	
6	2	7	82.4	1851		368.285	
7	2	7	62.2	1491		201.688	
8	3	7	75.8	1819	1141	1.942	
9	2	7	59.4	1648		449.685	
10	1	7	83.3			882.838	
11	1	7	75.8			369.931	
12	3	7	74.7	1898	1327	416.454	
13	2	7	98.1	1270		63.677	

Statistics 6 (ChirpCenter Frequency: 5280 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	20	74.3	1427		192.465	1
2	2	20	53	1535		530.698	
3	3	20	60.6	1500	1738	477.645	
4	2	20	79	1384		69.753	
5	2	20	53.6	1587		696.151	
6	2	20	86.5	1361		479.508	
7	2	20	89.4	1633		5.456	
8	3	20	56.9	1176	1236	426.404	
9	2	20	60.6	1953		583.241	
10	2	20	82.7	1515		546.079	
11	2	20	62.3	1853		695.856	
12	2	20	63.7	1682		473.694	
13	1	20	74.6			407.972	
14	2	20	69.3	1880		632.389	
15	2	20	90.2	1259		117.477	
16	3	20	62.7	1245	1347	453.865	
17	2	20	83.9	1692		570.282	

Statistics 7(ChirpCenter Frequency: 5280 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	5	91.6	1750		337.364	1
2	1	5	67.4			308.563	
3	2	5	90.9	1155		423.582	
4	3	5	95.6	1566	1478	512.953	
5	3	5	62	1098	1038	327.414	
6	1	5	86.7			88.735	
7	1	5	73.3			293.436	
8	3	5	71.5	1766	1106	117.597	
9	3	5	68.2	1465	1876	427.898	
10	2	5	94.7	1441		204.239	
11	3	5	66.4	1679	1963	355.771	
12	1	5	73.5			101.632	
13	2	5	58.4	1345		359.223	
14	3	5	88.4	1691	1652	207.804	
15	2	5	63	1016		239.205	
16	2	5	96.5	1488		2.516	
17	2	5	57.9	1059		122.137	
18	2	5	67.9	1470		343.258	
19	1	5	63.8			491.379	

Statistics 8 (ChirpCenter Frequency: 5280 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	8	96.6	1720		283.618	1
2	2	8	83.5	1751		697.157	
3	2	8	51.2	1586		608.714	
4	2	8	92.8	1751		655.181	
5	3	8	64.6	1077	1029	727.829	
6	2	8	76.7	1105		440.686	
7	2	8	51.9	1659		669.453	
8	3	8	100	1283	1801	747.15	
9	3	8	75.1	1519	1657	489.197	
10	3	8	83.2	1388	1403	2.464	
11	2	8	62.1	1179		685.431	
12	3	8	53.2	1528	1158	462.649	
13	2	8	71	1074		48.286	
14	1	8	76.4			747.943	

Statistics 9 (ChirpCenter Frequency: 5280 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	20	80.5	1172		116.912	1
2	1	20	89.3			235.54	
3	2	20	73.1	1471		719.06	
4	2	20	63.9	1475		537.31	
5	2	20	72	1587		737.64	
6	2	20	82.1	1148		98.66	
7	2	20	99.5	1261		207.4	
8	3	20	83.2	1879	1573	862.17	
9	2	20	89.4	1025		271.47	
10	2	20	50.5	1914		471.01	
11	3	20	74.4	1965	1985	563.8	
12	3	20	83	1545	1896	621.6	

Statistics 10 (ChirpCenter Frequency: 5280 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	19	54.5			481.832	1
2	1	19	75			495.133	
3	2	19	96	1739		571.147	
4	3	19	74.3	1021	1172	599.52	
5	3	19	90.9	1504	1259	532.453	
6	3	19	99.2	1354	1776	347.107	
7	3	19	74.1	1759	1789	34.21	
8	2	19	95.8	1445		132.613	
9	3	19	79.4	1064	1859	171.887	
10	1	19	77.4			498.47	
11	3	19	78.4	1145	1970	641.983	
12	3	19	62.4	1034	1857	213.967	
13	3	19	69.6	1788	1263	224.09	
14	3	19	75.5	1698	1780	638.413	
15	2	19	59.5	1556		584.677	
16	2	19	64.5	1106		529.3	
17	2	19	85.9	1236		232.833	
18	1	19	75.4			216.267	

Statistics 11 (ChirpCenter Frequency: 5276.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	14	97			643.376	1
2	2	14	84.2	1395		495.257	
3	2	14	75.5	1751		1309.723	
4	3	14	94	1473	1390	1088.05	
5	3	14	82.6	1683	1764	573.147	
6	2	14	57.7	1378		240.763	
7	3	14	70.5	1465	1920	602.8	
8	2	14	74.6	1679		851.567	
9	1	14	62.6			57.633	

Statistics 12 (ChirpCenter Frequency: 5274.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	9	53.1	1432	1495	461.564	1
2	2	9	79.4	1735		650.263	
3	3	9	95.2	1032	1371	611.997	
4	2	9	54.9	1184		89.74	
5	2	9	86.1	1848		303.643	
6	3	9	67.6	1186	1991	597.447	
7	1	9	60.7			523.88	
8	2	9	96.6	1444		483.093	
9	2	9	97.2	1162		646.527	
10	2	9	87.9	1159		200.13	
11	2	9	76.4	1695		100.143	
12	2	9	72.2	1450		347.677	
13	3	9	65.4	1314	1282	255.1	
14	2	9	56.7	1666		361.373	
15	2	9	87.3	1024		512.027	
16	1	9	51.8			27.6	
17	2	9	85.9	1881		528.033	
18	2	9	60	1986		318.267	

Statistics 13 (ChirpCenter Frequency: 5273 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	5	83	1860		1038.83	1
2	2	5	64.9	1521		181.611	
3	3	5	64	1249	1250	563.132	
4	3	5	69.5	1612	1955	1008.233	
5	2	5	91.1	1266		50.684	
6	2	5	75.2	1194		429.065	
7	2	5	57.9	1598		416.705	
8	2	5	56.6	1694		98.126	
9	2	5	97.4	1659		1024.177	
10	2	5	91.2	1439		609.018	
11	1	5	60.4			426.909	

Statistics 14 (ChirpCenter Frequency: 5277.4 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	16	72	1254	1661	841.476	1
2	3	16	85.5	1235	1589	756.527	
3	1	16	60.7			43.734	
4	2	16	82.6	1128		239.821	
5	1	16	58.5			418.379	
6	2	16	96.6	1650		35.916	
7	2	16	71	1709		778.663	
8	1	16	82			657.21	
9	3	16	51.4	1012	1731	298.667	
10	1	16	90.5			269.914	
11	2	16	98.8	1182		181.031	
12	2	16	83.2	1819		831.929	
13	2	16	68.7	1785		16.886	
14	1	16	84.4			37.343	

Statistics 15 (ChirpCenter Frequency: 5274.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	9	76.7			219.343	1
2	1	9	64.4			771.201	
3	1	9	58.8			557.222	
4	2	9	71.2	1705		9.483	
5	3	9	76.3	1515	1028	379.654	
6	3	9	54.5	1345	1653	681.485	
7	3	9	50.6	1059	1229	537.275	
8	1	9	61.3			890.436	
9	1	9	66.7			389.237	
10	2	9	98.9	1354		581.518	
11	3	9	57.7	1999	1196	981.809	

Statistics 16 (ChirpCenter Frequency: 5276.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	14	75.3	1155	1436	688.893	1
2	1	14	97.1			552.69	
3	2	14	94.9	1442		701.88	
4	2	14	94.3	1947		212.74	
5	3	14	72.3	1150	1930	737.43	
6	3	14	83.3	1411	1420	144.59	
7	2	14	66.6	1373		69.34	
8	2	14	76	1605		191.76	
9	2	14	64.1	1808		788.48	
10	1	14	86			750.59	
11	3	14	83.7	1053	1004	472.62	
12	3	14	85.1	1993	1323	762.95	
13	2	14	86.4	1529		87.77	
14	2	14	71.7	1037		454.5	
15	2	14	54.1	1038		145.2	

Statistics 17 (ChirpCenter Frequency: 5278.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	19	96.9	1298		81.021	0
2	3	19	61.2	1196	1321	101.86	
3	3	19	77.3	1280	1269	657.6	
4	2	19	89.9	1601		456.58	
5	2	19	58.6	1767		978.23	
6	3	19	70.4	1342	1168	456.93	
7	2	19	90.8	1972		164.59	
8	2	19	54.8	1894		748.93	
9	3	19	59.5	1265	1528	227.22	
10	2	19	62	1024		68.31	
11	1	19	72.2			324.4	
12	3	19	91.5	1394	1061	632.7	

Statistics 18 (ChirpCenter Frequency: 5274.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	9	68.8	1410		106.697	1
2	3	9	69.1	1770	1537	192.935	
3	3	9	92.4	1977	1025	474.092	
4	1	9	60.3			218.313	
5	1	9	63.7			306.744	
6	3	9	78.3	1714	1405	269.815	
7	2	9	68.6	1820		476.696	
8	3	9	63	1845	1524	57.557	
9	1	9	64.1			178.478	
10	3	9	77.4	1367	1952	514.509	
11	2	9	85.8	1825		570.601	
12	1	9	69.5			404.882	
13	2	9	78.4	1369		587.403	
14	3	9	52.6	1673	1761	566.094	
15	2	9	55.4	2000		569.295	
16	2	9	90.1	1633		544.016	
17	1	9	94.4			181.637	
18	1	9	80.6			312.758	
19	1	9	68.5			323.079	

Statistics 19 (ChirpCenter Frequency: 5273.8 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	7	55	1341		608.068	1
2	1	7	94.8			547.53	
3	2	7	85.7	1711		604.34	
4	2	7	72	1959		3.91	
5	2	7	67.3	1959		708.44	
6	2	7	54.9	1309		246.54	
7	2	7	90.9	1365		34.67	
8	1	7	95.6			413.8	
9	2	7	72.3	1984		386.29	
10	2	7	53.5	1002		475.6	
11	1	7	79.5			469.68	
12	2	7	57	1356		54.48	
13	2	7	61.8	1201		715.6	
14	2	7	100	1176		747.2	
15	2	7	89.8	1925		487.7	

Statistics 20 (ChirpCenter Frequency: 5277 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	15	59.6	1168		428.305	1
2	1	15	88.8			126.629	
3	2	15	83.7	1923		439.645	
4	3	15	76.2	1470	1592	688.393	
5	3	15	50.6	1723	1178	315.881	
6	3	15	89.2	1013	1775	543.018	
7	2	15	61	1205		138.326	
8	1	15	55.5			134.394	
9	1	15	88.7			377.201	
10	2	15	90.9	1596		176.169	
11	2	15	69.2	1725		633.906	
12	2	15	73.4	1178		355.284	
13	1	15	68.3			417.672	
14	3	15	54.7	1326	1042	62.719	
15	2	15	82	1361		525.947	
16	2	15	78.9	1224		136.765	
17	3	15	60.2	1264	1123	664.882	

Statistics 21 (ChirpCenter Frequency: 5284.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	12	80.3	1145		51.319	1
2	2	12	50	1012		1203.937	
3	2	12	68.5	1409		1112.293	
4	3	12	66	1989	1149	279.17	
5	2	12	51.8	1817		1076.437	
6	1	12	63			323.633	
7	2	12	54.4	1175		434.1	
8	3	12	50.5	1059	1114	75.077	
9	3	12	93.3	1978	1647	227.333	

Statistics 22 (ChirpCenter Frequency: 5281.8 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	18	100			438.898	1
2	2	18	58.8	1818		366.343	
3	3	18	93.6	1731	1997	44.626	
4	1	18	81.2			585.929	
5	3	18	68.4	1518	1443	248.902	
6	1	18	80.6			409.665	
7	1	18	58.7			96.948	
8	1	18	62			429.602	
9	2	18	78.1	1631		543.355	
10	1	18	85.8			445.848	
11	3	18	55.8	1006	1947	595.591	
12	2	18	61.1	1542		348.254	
13	2	18	78.2	1963		737.377	

Statistics 23 (ChirpCenter Frequency: 5283 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	15	56.8	1010	1496	34.761	1
2	2	15	66.2	1352		71.441	
3	2	15	98	1170		633.467	
4	1	15	93.1			293.07	
5	2	15	51.9	1410		414.693	
6	2	15	71	1207		120.827	
7	1	15	86.2			509.97	
8	1	15	82.5			417.933	
9	1	15	54.6			368.857	
10	3	15	64.9	1747	1880	618.08	
11	3	15	63.6	1298	1745	295.153	
12	2	15	92.1	1145		75.477	
13	3	15	68.3	1075	1951	412.38	
14	3	15	75.9	1719	1605	305.833	
15	1	15	90.6			210.537	
16	2	15	95.1	1087		637.4	
17	3	15	99.5	1869	1267	586.733	
18	1	15	86.5			233.367	

Statistics 24 (ChirpCenter Frequency: 5286.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	6	67.1	1867		618.767	1
2	2	6	92.6	1028		156.55	
3	3	6	91.2	1314	1673	1164.17	
4	2	6	64.4	1921		494.01	
5	1	6	94.4			1087.39	
6	1	6	98.8			14.13	
7	2	6	60.1	1724		347.25	
8	2	6	65	1742		710.02	
9	2	6	97.6	1746		1077.1	
10	2	6	88	1825		1035.7	

Statistics 25 (ChirpCenter Frequency: 5285 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	10	73.8	1955	1061	60.084	1
2	1	10	51.4			342.17	
3	1	10	87.9			168.22	
4	2	10	81.3	1661		565.4	
5	1	10	93			214.37	
6	2	10	96.5	1004		567.75	
7	1	10	62.8			258.49	
8	1	10	51.6			655.89	
9	1	10	55.9			399.17	
10	2	10	66.2	1172		342.12	
11	1	10	60.8			774.47	
12	1	10	92			532.48	
13	2	10	61.5	1137		544.8	
14	2	10	77.2	1450		178.2	
15	2	10	78.2	1396		215.2	

Statistics 26 (ChirpCenter Frequency: 5283.8 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	13	88.6	1278		601.384	1
2	2	13	92.9	1256		226.64	
3	2	13	86.2	1175		393.02	
4	1	13	75.9			29.72	
5	3	13	71.5	1265	1937	191.93	
6	2	13	79.5	1876		65.13	
7	2	13	73.4	1404		908.79	
8	2	13	96.4	1340		174.41	
9	2	13	85.7	1691		337.08	
10	2	13	55.9	1056		659.65	
11	2	13	68.7	1045		751.1	
12	2	13	58.7	1039		36.5	

Statistics 27 (ChirpCenter Frequency: 5286.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	6	68.7	1358		602.943	1
2	3	6	76.4	1002	1127	825.07	
3	3	6	97.5	1668	1840	770.96	
4	3	6	54.4	1540	1100	743.23	
5	2	6	76.1	1226		575.26	
6	3	6	50.4	1350	1277	816.73	
7	1	6	55.8			465.21	
8	2	6	95.1	1152		865.37	
9	2	6	84.4	1714		146.39	
10	2	6	68.8	1954		984.8	
11	2	6	82.1	1130		613.3	
12	2	6	84.5	1538		740.6	

Statistics 28 (ChirpCenter Frequency: 5284.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	12	94.3			47.205	1
2	2	12	81.5	1910		254.77	
3	2	12	79.7	1603		312.827	
4	2	12	51.7	1487		647.24	
5	1	12	88			196.943	
6	2	12	81.1	1171		311.977	
7	2	12	68.2	1156		66.52	
8	2	12	80	1938		77.383	
9	3	12	57.9	1181	1638	129.817	
10	2	12	58.5	1452		93.25	
11	3	12	77.9	1399	1121	45.693	
12	2	12	93.7	1644		266.057	
13	2	12	62.9	1746		341.75	
14	3	12	56.5	1420	1481	443.753	
15	2	12	71.9	1748		606.677	
16	3	12	97.2	1874	1011	73.1	
17	2	12	92.3	1795		107.933	
18	3	12	65.2	1520	1441	191.467	

Statistics 29 (ChirpCenter Frequency: 5283.4 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	14	81.8	1189		1247.05	1
2	1	14	53.2			510.83	
3	3	14	92.2	1498	1138	280.66	
4	1	14	63.5			1490.28	
5	3	14	93.6	1422	1266	415.83	
6	3	14	84.8	1591	1959	154.59	
7	3	14	82.2	1576	1115	737.34	
8	3	14	51.5	1127	1211	1089.7	

Statistics 30 (ChirpCenter Frequency: 5285 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	10	86.2	1508	1436	464.137	1
2	2	10	75	1226		692.77	
3	2	10	77.6	1729		631.78	
4	3	10	50.9	1837	1092	680.76	
5	1	10	93.4			692	
6	2	10	94	1079		570.88	
7	2	10	91.3	1964		658.5	
8	1	10	88.5			214.64	
9	2	10	71.8	1435		564.06	
10	2	10	64.9	1537		558.11	
11	2	10	94	1878		586.34	
12	2	10	53.1	1993		553.8	
13	1	10	92.6			704.1	
14	3	10	54.9	1173	1079	625.4	
15	2	10	79.4	1773		82.7	

Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)	Hopping Sequence(GHz)
1	5280	9	1	333	1	5.659, 5.662, 5.332, 5.301, 5.667, 5.337, 5.516, 5.583, 5.418, 5.603, 5.320, 5.554, 5.551, 5.607, 5.279, 5.638, 5.682, 5.492, 5.254, 5.690, 5.432, 5.269, 5.563, 5.597, 5.491, 5.712, 5.405, 5.389, 5.496, 5.535, 5.681, 5.654, 5.537, 5.461, 5.346, 5.439, 5.371, 5.675, 5.250, 5.308, 5.344, 5.365, 5.525, 5.685, 5.523, 5.294, 5.345, 5.375, 5.655, 5.352, 5.601, 5.280, 5.573, 5.334, 5.498, 5.640, 5.684, 5.644, 5.367, 5.459, 5.522, 5.304, 5.260, 5.570, 5.272, 5.417, 5.515, 5.557, 5.361, 5.359, 5.385, 5.510, 5.339, 5.455, 5.645, 5.311, 5.664, 5.354, 5.256, 5.666, 5.261, 5.451, 5.552, 5.494, 5.581, 5.704, 5.534, 5.602, 5.366, 5.612, 5.307, 5.477, 5.647, 5.319, 5.310, 5.538, 5.263, 5.701, 5.710, 5.591
2	5280	9	1	333	1	5.370, 5.280, 5.540, 5.360, 5.711, 5.431, 5.531, 5.303, 5.530, 5.253, 5.330, 5.425, 5.328, 5.546, 5.584, 5.341, 5.689, 5.396, 5.316, 5.715, 5.352, 5.519, 5.455, 5.696, 5.638, 5.566, 5.379, 5.317, 5.373, 5.295, 5.659, 5.570, 5.617, 5.678, 5.359, 5.329, 5.585, 5.588, 5.451, 5.369, 5.607, 5.619, 5.335, 5.624, 5.258, 5.340, 5.582, 5.446, 5.620, 5.482, 5.408, 5.471, 5.308, 5.706, 5.573, 5.470, 5.443, 5.266, 5.514, 5.634, 5.269, 5.604, 5.416, 5.576, 5.378, 5.505, 5.432, 5.597, 5.682, 5.509, 5.306, 5.673, 5.512, 5.347, 5.680, 5.698, 5.644, 5.658, 5.652, 5.574, 5.603, 5.440, 5.358, 5.402, 5.601, 5.650, 5.371, 5.376, 5.626, 5.476, 5.653, 5.428, 5.41, 5.377, 5.549, 5.724, 5.274, 5.351, 5.412, 5.478
3	5280	9	1	333	1	5.601, 5.437, 5.445, 5.253, 5.571, 5.358, 5.528, 5.460, 5.540, 5.692, 5.389, 5.486, 5.264, 5.451, 5.678, 5.575, 5.670, 5.537, 5.502, 5.598, 5.421, 5.398, 5.452, 5.494, 5.271, 5.611, 5.283, 5.585, 5.714, 5.619, 5.490, 5.308, 5.280, 5.450, 5.416, 5.390, 5.407, 5.462, 5.387, 5.327, 5.388, 5.499, 5.607, 5.651, 5.263, 5.503, 5.380, 5.258, 5.338, 5.616, 5.400, 5.331, 5.259, 5.542, 5.467, 5.593, 5.508, 5.472, 5.489, 5.620, 5.335, 5.276, 5.270, 5.641, 5.449, 5.434, 5.698, 5.448, 5.353, 5.577, 5.599, 5.307, 5.718, 5.425, 5.699, 5.349, 5.442, 5.583, 5.658, 5.594, 5.365, 5.471, 5.409, 5.617, 5.689, 5.256, 5.548, 5.299, 5.509, 5.596, 5.277, 5.474, 5.634, 5.708, 5.267, 5.649, 5.523, 5.428, 5.530, 5.606
4	5280	9	1	333	1	5.619, 5.713, 5.413, 5.336, 5.543, 5.256, 5.610, 5.701, 5.654, 5.474, 5.262, 5.327, 5.250, 5.576, 5.534, 5.259, 5.588, 5.490,

						5.465, 5.293, 5.397, 5.325, 5.386, 5.573, 5.335, 5.476, 5.350, 5.508, 5.648, 5.297, 5.548, 5.366, 5.645, 5.419, 5.394, 5.468, 5.272, 5.333, 5.581, 5.634, 5.532, 5.381, 5.399, 5.699, 5.545, 5.559, 5.690, 5.295, 5.693, 5.486, 5.409, 5.483, 5.542, 5.627, 5.712, 5.306, 5.303, 5.348, 5.714, 5.522, 5.304, 5.511, 5.291, 5.521, 5.524, 5.709, 5.517, 5.613, 5.435, 5.611, 5.287, 5.431, 5.695, 5.689, 5.584, 5.321, 5.302, 5.632, 5.270, 5.629, 5.451, 5.539, 5.536, 5.375, 5.464, 5.288, 5.586, 5.620, 5.338, 5.590, 5.448, 5.309, 5.603, 5.470, 5.479, 5.720, 5.294, 5.500, 5.563, 5.480
5	5280	9	1	333	1	5.274, 5.651, 5.556, 5.283, 5.712, 5.694, 5.441, 5.657, 5.663, 5.505, 5.665, 5.295, 5.675, 5.580, 5.633, 5.543, 5.520, 5.622, 5.546, 5.461, 5.572, 5.328, 5.516, 5.347, 5.684, 5.463, 5.447, 5.361, 5.417, 5.436, 5.402, 5.478, 5.532, 5.264, 5.490, 5.610, 5.314, 5.255, 5.674, 5.438, 5.577, 5.448, 5.460, 5.717, 5.589, 5.305, 5.718, 5.605, 5.455, 5.579, 5.364, 5.618, 5.689, 5.563, 5.597, 5.265, 5.686, 5.590, 5.253, 5.450, 5.329, 5.449, 5.660, 5.534, 5.392, 5.574, 5.703, 5.353, 5.570, 5.700, 5.398, 5.630, 5.409, 5.503, 5.608, 5.454, 5.282, 5.504, 5.336, 5.552, 5.393, 5.518, 5.573, 5.539, 5.591, 5.399, 5.512, 5.429, 5.581, 5.544, 5.327, 5.341, 5.309, 5.538, 5.406, 5.655, 5.654, 5.482, 5.653, 5.403
6	5280	9	1	333	1	5.701, 5.572, 5.485, 5.347, 5.424, 5.521, 5.426, 5.431, 5.691, 5.663, 5.631, 5.494, 5.281, 5.449, 5.430, 5.564, 5.336, 5.487, 5.425, 5.692, 5.399, 5.482, 5.635, 5.270, 5.429, 5.258, 5.667, 5.380, 5.292, 5.693, 5.310, 5.604, 5.367, 5.668, 5.656, 5.639, 5.495, 5.637, 5.581, 5.681, 5.565, 5.526, 5.614, 5.642, 5.684, 5.319, 5.589, 5.672, 5.695, 5.470, 5.546, 5.250, 5.559, 5.440, 5.262, 5.379, 5.700, 5.556, 5.334, 5.678, 5.324, 5.362, 5.481, 5.719, 5.652, 5.349, 5.706, 5.405, 5.421, 5.364, 5.303, 5.351, 5.550, 5.555, 5.276, 5.474, 5.510, 5.477, 5.340, 5.680, 5.493, 5.595, 5.323, 5.590, 5.576, 5.720, 5.282, 5.705, 5.290, 5.527, 5.500, 5.390, 5.454, 5.408, 5.252, 5.480, 5.723, 5.325, 5.548, 5.522
7	5280	9	1	333	1	5.582, 5.555, 5.648, 5.514, 5.311, 5.434, 5.508, 5.612, 5.477, 5.284, 5.724, 5.386, 5.403, 5.415, 5.609, 5.362, 5.712, 5.631, 5.319, 5.374, 5.352, 5.447, 5.274, 5.656, 5.529, 5.554, 5.566, 5.307, 5.605, 5.660, 5.506, 5.710, 5.424, 5.636, 5.658, 5.315, 5.401, 5.613, 5.624, 5.340, 5.647, 5.426, 5.687, 5.382, 5.478, 5.270, 5.337, 5.339, 5.620, 5.606, 5.714, 5.407, 5.327, 5.377, 5.653, 5.556, 5.482, 5.516, 5.680, 5.571, 5.398, 5.378, 5.326, 5.387, 5.615, 5.345, 5.409, 5.595, 5.526, 5.608, 5.599, 5.703,

						5.534, 5.419, 5.711, 5.430, 5.524, 5.333, 5.622, 5.548, 5.397, 5.446, 5.425, 5.591, 5.502, 5.513, 5.587, 5.496, 5.440, 5.558, 5.686, 5.523, 5.707, 5.541, 5.441, 5.304, 5.435, 5.568, 5.308, 5.655
8	5280	9	1	333	1	5.503, 5.325, 5.584, 5.265, 5.708, 5.527, 5.406, 5.477, 5.486, 5.686, 5.291, 5.563, 5.538, 5.259, 5.570, 5.615, 5.287, 5.508, 5.411, 5.499, 5.533, 5.705, 5.539, 5.303, 5.540, 5.702, 5.557, 5.255, 5.444, 5.531, 5.605, 5.412, 5.669, 5.253, 5.498, 5.475, 5.283, 5.643, 5.380, 5.712, 5.271, 5.470, 5.300, 5.349, 5.571, 5.709, 5.700, 5.356, 5.447, 5.719, 5.456, 5.497, 5.293, 5.385, 5.316, 5.421, 5.438, 5.332, 5.635, 5.310, 5.296, 5.543, 5.306, 5.479, 5.439, 5.391, 5.662, 5.693, 5.420, 5.377, 5.694, 5.701, 5.458, 5.331, 5.633, 5.288, 5.637, 5.696, 5.642, 5.426, 5.270, 5.555, 5.548, 5.367, 5.460, 5.329, 5.449, 5.638, 5.514, 5.462, 5.601, 5.634, 5.328, 5.322, 5.620, 5.347, 5.482, 5.269, 5.623, 5.383
9	5280	9	1	333	1	5.353, 5.351, 5.583, 5.316, 5.431, 5.423, 5.503, 5.545, 5.693, 5.297, 5.380, 5.270, 5.565, 5.581, 5.401, 5.402, 5.268, 5.358, 5.439, 5.389, 5.362, 5.555, 5.376, 5.441, 5.625, 5.404, 5.502, 5.640, 5.472, 5.531, 5.485, 5.651, 5.466, 5.354, 5.292, 5.567, 5.585, 5.267, 5.256, 5.601, 5.517, 5.261, 5.627, 5.317, 5.657, 5.415, 5.528, 5.547, 5.386, 5.324, 5.723, 5.335, 5.429, 5.616, 5.286, 5.550, 5.414, 5.655, 5.556, 5.664, 5.623, 5.584, 5.302, 5.506, 5.390, 5.425, 5.471, 5.673, 5.356, 5.479, 5.711, 5.516, 5.254, 5.607, 5.508, 5.637, 5.361, 5.435, 5.568, 5.459, 5.373, 5.307, 5.264, 5.288, 5.481, 5.708, 5.304, 5.337, 5.396, 5.330, 5.483, 5.314, 5.413, 5.438, 5.266, 5.283, 5.610, 5.665, 5.310, 5.514
10	5280	9	1	333	1	5.502, 5.493, 5.580, 5.427, 5.334, 5.496, 5.267, 5.338, 5.603, 5.700, 5.438, 5.574, 5.288, 5.298, 5.354, 5.575, 5.720, 5.319, 5.295, 5.279, 5.471, 5.398, 5.487, 5.404, 5.621, 5.702, 5.654, 5.512, 5.411, 5.606, 5.530, 5.379, 5.429, 5.519, 5.495, 5.476, 5.501, 5.378, 5.251, 5.350, 5.655, 5.716, 5.466, 5.478, 5.488, 5.577, 5.434, 5.361, 5.695, 5.349, 5.353, 5.446, 5.281, 5.570, 5.436, 5.271, 5.618, 5.647, 5.432, 5.262, 5.384, 5.484, 5.543, 5.449, 5.625, 5.390, 5.483, 5.671, 5.330, 5.320, 5.280, 5.351, 5.366, 5.640, 5.425, 5.592, 5.343, 5.643, 5.258, 5.542, 5.419, 5.673, 5.315, 5.518, 5.393, 5.589, 5.579, 5.532, 5.345, 5.374, 5.277, 5.674, 5.701, 5.368, 5.723, 5.406, 5.585, 5.250, 5.400, 5.430
11	5280	9	1	333	1	5.404, 5.559, 5.430, 5.655, 5.417, 5.356, 5.531, 5.644, 5.662, 5.357, 5.493, 5.317, 5.368, 5.589, 5.585, 5.251, 5.628, 5.696, 5.610, 5.508, 5.292, 5.258, 5.552, 5.466,

						5.291, 5.474, 5.318, 5.388, 5.286, 5.557, 5.521, 5.363, 5.422, 5.265, 5.402, 5.432, 5.480, 5.547, 5.561, 5.664, 5.580, 5.713, 5.403, 5.324, 5.677, 5.471, 5.532, 5.506, 5.256, 5.389, 5.509, 5.360, 5.463, 5.495, 5.584, 5.298, 5.396, 5.345, 5.575, 5.257, 5.394, 5.654, 5.709, 5.606, 5.537, 5.498, 5.642, 5.500, 5.372, 5.611, 5.485, 5.653, 5.502, 5.656, 5.665, 5.567, 5.429, 5.605, 5.354, 5.377, 5.587, 5.347, 5.619, 5.459, 5.461, 5.440, 5.707, 5.326, 5.553, 5.703, 5.626, 5.410, 5.483, 5.349, 5.294, 5.496, 5.630, 5.407, 5.395, 5.338
12	5280	9	1	333	1	5.406, 5.286, 5.403, 5.666, 5.633, 5.676, 5.647, 5.297, 5.539, 5.321, 5.449, 5.325, 5.653, 5.426, 5.574, 5.327, 5.446, 5.428, 5.508, 5.682, 5.310, 5.281, 5.339, 5.578, 5.436, 5.542, 5.680, 5.266, 5.715, 5.663, 5.675, 5.464, 5.387, 5.624, 5.367, 5.376, 5.338, 5.278, 5.346, 5.341, 5.706, 5.298, 5.555, 5.684, 5.379, 5.537, 5.714, 5.608, 5.385, 5.603, 5.567, 5.272, 5.490, 5.622, 5.370, 5.696, 5.549, 5.288, 5.489, 5.478, 5.604, 5.363, 5.455, 5.304, 5.347, 5.605, 5.627, 5.550, 5.465, 5.678, 5.369, 5.383, 5.462, 5.323, 5.264, 5.621, 5.500, 5.497, 5.579, 5.530, 5.340, 5.700, 5.610, 5.701, 5.468, 5.419, 5.669, 5.424, 5.576, 5.601, 5.451, 5.483, 5.372, 5.253, 5.360, 5.573, 5.521, 5.324, 5.547, 5.512
13	5280	9	1	333	1	5.387, 5.252, 5.415, 5.684, 5.451, 5.383, 5.438, 5.351, 5.475, 5.520, 5.482, 5.353, 5.396, 5.435, 5.492, 5.273, 5.479, 5.460, 5.644, 5.532, 5.340, 5.607, 5.616, 5.416, 5.346, 5.538, 5.528, 5.251, 5.692, 5.394, 5.409, 5.470, 5.516, 5.585, 5.343, 5.551, 5.596, 5.666, 5.622, 5.297, 5.384, 5.654, 5.646, 5.432, 5.568, 5.565, 5.688, 5.321, 5.525, 5.317, 5.588, 5.277, 5.496, 5.522, 5.424, 5.295, 5.400, 5.517, 5.648, 5.363, 5.422, 5.657, 5.254, 5.397, 5.575, 5.301, 5.264, 5.278, 5.286, 5.280, 5.291, 5.582, 5.507, 5.429, 5.473, 5.274, 5.610, 5.584, 5.484, 5.303, 5.437, 5.292, 5.334, 5.380, 5.558, 5.467, 5.589, 5.328, 5.431, 5.474, 5.407, 5.316, 5.651, 5.285, 5.367, 5.605, 5.675, 5.687, 5.411, 5.652
14	5280	9	1	333	1	5.600, 5.293, 5.298, 5.303, 5.582, 5.391, 5.559, 5.403, 5.439, 5.592, 5.626, 5.674, 5.264, 5.588, 5.484, 5.504, 5.724, 5.331, 5.609, 5.466, 5.536, 5.250, 5.431, 5.382, 5.700, 5.569, 5.477, 5.580, 5.402, 5.604, 5.409, 5.625, 5.294, 5.401, 5.567, 5.327, 5.682, 5.258, 5.415, 5.648, 5.337, 5.636, 5.577, 5.523, 5.618, 5.611, 5.517, 5.688, 5.461, 5.499, 5.318, 5.721, 5.479, 5.255, 5.555, 5.265, 5.361, 5.538, 5.568, 5.710, 5.334, 5.642, 5.486, 5.299, 5.450, 5.283, 5.512, 5.338, 5.564, 5.260, 5.712, 5.358,

						5.372, 5.590, 5.541, 5.662, 5.473, 5.562, 5.348, 5.287, 5.666, 5.488, 5.253, 5.328, 5.434, 5.313, 5.332, 5.355, 5.527, 5.616, 5.279, 5.320, 5.433, 5.598, 5.297, 5.680, 5.365, 5.388, 5.465, 5.493
15	5280	9	1	333	1	5.296, 5.635, 5.290, 5.600, 5.658, 5.715, 5.636, 5.280, 5.627, 5.596, 5.592, 5.397, 5.341, 5.398, 5.300, 5.258, 5.558, 5.700, 5.622, 5.712, 5.686, 5.406, 5.388, 5.496, 5.626, 5.587, 5.284, 5.367, 5.667, 5.470, 5.500, 5.529, 5.307, 5.557, 5.601, 5.546, 5.641, 5.455, 5.276, 5.396, 5.477, 5.691, 5.386, 5.628, 5.390, 5.683, 5.409, 5.274, 5.475, 5.547, 5.378, 5.325, 5.663, 5.582, 5.498, 5.586, 5.501, 5.305, 5.383, 5.488, 5.706, 5.333, 5.519, 5.313, 5.283, 5.603, 5.314, 5.310, 5.270, 5.373, 5.295, 5.411, 5.541, 5.606, 5.293, 5.372, 5.534, 5.334, 5.365, 5.309, 5.413, 5.302, 5.722, 5.527, 5.647, 5.517, 5.433, 5.363, 5.435, 5.261, 5.642, 5.598, 5.408, 5.286, 5.594, 5.687, 5.323, 5.464, 5.301, 5.580
16	5280	9	1	333	1	5.306, 5.394, 5.295, 5.490, 5.469, 5.672, 5.444, 5.708, 5.414, 5.354, 5.301, 5.357, 5.486, 5.578, 5.467, 5.659, 5.384, 5.531, 5.599, 5.327, 5.705, 5.299, 5.597, 5.288, 5.412, 5.601, 5.568, 5.610, 5.399, 5.458, 5.712, 5.296, 5.549, 5.606, 5.626, 5.519, 5.540, 5.330, 5.252, 5.554, 5.611, 5.695, 5.303, 5.440, 5.358, 5.418, 5.566, 5.547, 5.391, 5.512, 5.408, 5.693, 5.476, 5.506, 5.603, 5.253, 5.565, 5.369, 5.722, 5.537, 5.612, 5.656, 5.277, 5.442, 5.355, 5.264, 5.644, 5.313, 5.666, 5.400, 5.373, 5.622, 5.359, 5.417, 5.255, 5.335, 5.598, 5.550, 5.543, 5.694, 5.343, 5.680, 5.298, 5.681, 5.501, 5.575, 5.526, 5.524, 5.338, 5.337, 5.582, 5.361, 5.363, 5.254, 5.479, 5.544, 5.523, 5.464, 5.347, 5.466
17	5280	9	1	333	1	5.612, 5.287, 5.639, 5.412, 5.532, 5.512, 5.271, 5.474, 5.561, 5.597, 5.598, 5.464, 5.485, 5.391, 5.452, 5.482, 5.683, 5.511, 5.635, 5.420, 5.472, 5.417, 5.346, 5.682, 5.461, 5.382, 5.576, 5.293, 5.629, 5.302, 5.361, 5.269, 5.450, 5.425, 5.442, 5.456, 5.537, 5.698, 5.582, 5.690, 5.279, 5.529, 5.605, 5.673, 5.562, 5.371, 5.368, 5.494, 5.295, 5.696, 5.270, 5.625, 5.401, 5.640, 5.720, 5.592, 5.432, 5.685, 5.369, 5.352, 5.374, 5.551, 5.383, 5.278, 5.621, 5.569, 5.351, 5.445, 5.492, 5.314, 5.599, 5.319, 5.658, 5.434, 5.602, 5.600, 5.490, 5.662, 5.556, 5.433, 5.519, 5.312, 5.398, 5.334, 5.297, 5.428, 5.480, 5.515, 5.697, 5.614, 5.410, 5.687, 5.723, 5.567, 5.366, 5.617, 5.447, 5.553, 5.353, 5.460
18	5280	9	1	333	1	5.569, 5.274, 5.514, 5.402, 5.677, 5.405, 5.323, 5.691, 5.300, 5.466, 5.371, 5.303, 5.585, 5.647, 5.420, 5.472, 5.701, 5.606, 5.418, 5.575, 5.568, 5.661, 5.712, 5.655,

						5.455, 5.475, 5.592, 5.495, 5.611, 5.388, 5.663, 5.426, 5.473, 5.638, 5.268, 5.373, 5.513, 5.385, 5.571, 5.341, 5.570, 5.270, 5.605, 5.549, 5.376, 5.678, 5.692, 5.332, 5.505, 5.695, 5.576, 5.618, 5.690, 5.546, 5.375, 5.344, 5.329, 5.492, 5.411, 5.491, 5.620, 5.460, 5.672, 5.317, 5.543, 5.681, 5.266, 5.565, 5.588, 5.556, 5.580, 5.379, 5.705, 5.498, 5.553, 5.723, 5.262, 5.394, 5.294, 5.518, 5.357, 5.296, 5.482, 5.362, 5.720, 5.312, 5.519, 5.504, 5.599, 5.521, 5.440, 5.657, 5.305, 5.342, 5.471, 5.255, 5.360, 5.551, 5.306, 5.722
19	5280	9	1	333	1	5.565, 5.359, 5.309, 5.621, 5.486, 5.425, 5.601, 5.525, 5.460, 5.688, 5.426, 5.307, 5.534, 5.503, 5.371, 5.343, 5.717, 5.499, 5.323, 5.487, 5.519, 5.512, 5.300, 5.484, 5.413, 5.588, 5.256, 5.539, 5.666, 5.295, 5.430, 5.509, 5.377, 5.640, 5.657, 5.391, 5.679, 5.697, 5.576, 5.380, 5.350, 5.290, 5.622, 5.701, 5.407, 5.277, 5.504, 5.563, 5.567, 5.452, 5.434, 5.529, 5.715, 5.257, 5.644, 5.258, 5.609, 5.318, 5.668, 5.406, 5.511, 5.646, 5.423, 5.410, 5.296, 5.575, 5.606, 5.660, 5.544, 5.618, 5.358, 5.627, 5.707, 5.571, 5.348, 5.405, 5.498, 5.319, 5.412, 5.649, 5.528, 5.533, 5.633, 5.457, 5.518, 5.461, 5.333, 5.599, 5.651, 5.645, 5.653, 5.613, 5.502, 5.297, 5.608, 5.614, 5.681, 5.454, 5.714, 5.278
20	5280	9	1	333	1	5.283, 5.567, 5.510, 5.395, 5.525, 5.255, 5.460, 5.382, 5.354, 5.405, 5.698, 5.706, 5.437, 5.694, 5.541, 5.553, 5.275, 5.538, 5.398, 5.287, 5.487, 5.454, 5.479, 5.484, 5.511, 5.331, 5.534, 5.690, 5.272, 5.480, 5.667, 5.608, 5.291, 5.434, 5.392, 5.506, 5.292, 5.257, 5.604, 5.365, 5.281, 5.504, 5.294, 5.370, 5.634, 5.445, 5.289, 5.415, 5.656, 5.455, 5.355, 5.265, 5.469, 5.313, 5.659, 5.653, 5.298, 5.308, 5.648, 5.550, 5.327, 5.568, 5.499, 5.654, 5.290, 5.430, 5.683, 5.363, 5.666, 5.644, 5.492, 5.551, 5.615, 5.709, 5.669, 5.471, 5.368, 5.589, 5.539, 5.419, 5.321, 5.456, 5.645, 5.585, 5.548, 5.417, 5.711, 5.342, 5.451, 5.457, 5.338, 5.319, 5.284, 5.263, 5.625, 5.388, 5.501, 5.472, 5.463, 5.403
21	5280	9	1	333	1	5.523, 5.407, 5.576, 5.331, 5.657, 5.269, 5.310, 5.434, 5.671, 5.433, 5.276, 5.290, 5.578, 5.642, 5.432, 5.323, 5.255, 5.273, 5.376, 5.503, 5.496, 5.619, 5.597, 5.603, 5.411, 5.675, 5.617, 5.404, 5.340, 5.549, 5.425, 5.608, 5.265, 5.397, 5.513, 5.522, 5.491, 5.668, 5.692, 5.288, 5.699, 5.637, 5.471, 5.543, 5.399, 5.285, 5.338, 5.333, 5.682, 5.326, 5.481, 5.361, 5.320, 5.347, 5.656, 5.634, 5.584, 5.718, 5.485, 5.322, 5.396, 5.629, 5.452, 5.630, 5.379, 5.388, 5.558, 5.258, 5.483, 5.724, 5.385, 5.536, 5.295, 5.512, 5.673, 5.581, 5.647, 5.293,

						5.651, 5.571, 5.664, 5.678, 5.499, 5.542, 5.509, 5.665, 5.470, 5.274, 5.475, 5.631, 5.596, 5.591, 5.381, 5.488, 5.594, 5.438, 5.572, 5.660, 5.479, 5.624
22	5280	9	1	333	1	5.659, 5.275, 5.405, 5.414, 5.511, 5.483, 5.413, 5.284, 5.697, 5.472, 5.274, 5.277, 5.674, 5.452, 5.323, 5.468, 5.590, 5.401, 5.664, 5.454, 5.319, 5.527, 5.365, 5.589, 5.628, 5.340, 5.396, 5.482, 5.359, 5.562, 5.339, 5.352, 5.369, 5.479, 5.337, 5.476, 5.573, 5.594, 5.310, 5.720, 5.544, 5.366, 5.631, 5.724, 5.453, 5.583, 5.321, 5.656, 5.528, 5.537, 5.612, 5.704, 5.536, 5.681, 5.609, 5.707, 5.278, 5.465, 5.478, 5.286, 5.348, 5.500, 5.595, 5.715, 5.336, 5.373, 5.480, 5.651, 5.255, 5.617, 5.535, 5.701, 5.676, 5.626, 5.487, 5.342, 5.568, 5.477, 5.386, 5.325, 5.426, 5.334, 5.436, 5.566, 5.678, 5.723, 5.360, 5.312, 5.458, 5.316, 5.432, 5.347, 5.522, 5.702, 5.593, 5.577, 5.504, 5.451, 5.411, 5.675
23	5280	9	1	333	1	5.431, 5.553, 5.716, 5.517, 5.397, 5.656, 5.630, 5.644, 5.538, 5.625, 5.642, 5.485, 5.631, 5.529, 5.404, 5.624, 5.321, 5.525, 5.435, 5.721, 5.677, 5.430, 5.585, 5.259, 5.520, 5.449, 5.325, 5.408, 5.309, 5.459, 5.672, 5.317, 5.567, 5.442, 5.280, 5.496, 5.322, 5.424, 5.291, 5.468, 5.533, 5.388, 5.395, 5.658, 5.673, 5.407, 5.412, 5.686, 5.692, 5.378, 5.258, 5.319, 5.332, 5.451, 5.714, 5.641, 5.392, 5.438, 5.345, 5.436, 5.531, 5.501, 5.578, 5.519, 5.348, 5.289, 5.577, 5.360, 5.515, 5.387, 5.334, 5.257, 5.290, 5.588, 5.458, 5.697, 5.710, 5.299, 5.310, 5.418, 5.272, 5.446, 5.590, 5.363, 5.383, 5.371, 5.667, 5.617, 5.544, 5.292, 5.594, 5.649, 5.394, 5.508, 5.354, 5.342, 5.602, 5.700, 5.484, 5.499
24	5280	9	1	333	1	5.575, 5.601, 5.550, 5.432, 5.623, 5.402, 5.486, 5.529, 5.698, 5.630, 5.665, 5.511, 5.507, 5.641, 5.310, 5.438, 5.719, 5.724, 5.519, 5.333, 5.258, 5.474, 5.270, 5.268, 5.616, 5.642, 5.469, 5.263, 5.628, 5.498, 5.396, 5.487, 5.492, 5.416, 5.625, 5.645, 5.344, 5.307, 5.449, 5.273, 5.694, 5.569, 5.620, 5.293, 5.446, 5.612, 5.412, 5.381, 5.451, 5.456, 5.657, 5.522, 5.473, 5.553, 5.395, 5.385, 5.515, 5.604, 5.697, 5.334, 5.445, 5.319, 5.261, 5.603, 5.466, 5.418, 5.508, 5.654, 5.387, 5.521, 5.256, 5.513, 5.260, 5.304, 5.538, 5.587, 5.444, 5.679, 5.572, 5.428, 5.600, 5.495, 5.309, 5.551, 5.425, 5.471, 5.703, 5.557, 5.596, 5.408, 5.706, 5.624, 5.417, 5.671, 5.576, 5.315, 5.489, 5.705, 5.704, 5.650
25	5280	9	1	333	1	5.410, 5.603, 5.498, 5.290, 5.697, 5.685, 5.367, 5.555, 5.493, 5.723, 5.525, 5.542, 5.303, 5.343, 5.691, 5.276, 5.565, 5.414, 5.417, 5.296, 5.265, 5.287, 5.270, 5.314, 5.298, 5.318, 5.550, 5.704, 5.597, 5.500,

						5.484, 5.369, 5.316, 5.573, 5.570, 5.596, 5.254, 5.539, 5.331, 5.342, 5.280, 5.299, 5.434, 5.320, 5.529, 5.416, 5.292, 5.404, 5.494, 5.572, 5.376, 5.491, 5.353, 5.408, 5.365, 5.409, 5.348, 5.319, 5.496, 5.665, 5.397, 5.401, 5.378, 5.622, 5.291, 5.722, 5.473, 5.356, 5.386, 5.710, 5.533, 5.507, 5.273, 5.470, 5.336, 5.647, 5.714, 5.479, 5.629, 5.418, 5.460, 5.427, 5.540, 5.338, 5.545, 5.679, 5.589, 5.613, 5.554, 5.327, 5.608, 5.253, 5.646, 5.260, 5.501, 5.308, 5.583, 5.323, 5.633, 5.650
26	5280	9	1	333	1	5.411, 5.288, 5.536, 5.344, 5.440, 5.492, 5.591, 5.631, 5.487, 5.494, 5.310, 5.442, 5.594, 5.512, 5.418, 5.433, 5.325, 5.292, 5.443, 5.347, 5.267, 5.616, 5.283, 5.539, 5.679, 5.455, 5.646, 5.628, 5.503, 5.718, 5.424, 5.263, 5.550, 5.360, 5.469, 5.690, 5.423, 5.452, 5.640, 5.695, 5.531, 5.374, 5.266, 5.447, 5.417, 5.663, 5.405, 5.255, 5.686, 5.511, 5.614, 5.552, 5.321, 5.505, 5.590, 5.618, 5.561, 5.653, 5.562, 5.460, 5.477, 5.328, 5.688, 5.604, 5.538, 5.437, 5.533, 5.523, 5.338, 5.451, 5.257, 5.301, 5.431, 5.331, 5.568, 5.438, 5.479, 5.537, 5.326, 5.675, 5.605, 5.323, 5.372, 5.508, 5.420, 5.689, 5.268, 5.454, 5.388, 5.357, 5.696, 5.278, 5.308, 5.721, 5.473, 5.258, 5.596, 5.358, 5.251, 5.448
27	5280	9	1	333	1	5.280, 5.477, 5.316, 5.580, 5.281, 5.368, 5.340, 5.610, 5.366, 5.600, 5.653, 5.400, 5.629, 5.576, 5.522, 5.628, 5.267, 5.678, 5.374, 5.713, 5.698, 5.650, 5.642, 5.291, 5.633, 5.493, 5.339, 5.470, 5.662, 5.539, 5.581, 5.519, 5.540, 5.282, 5.451, 5.535, 5.717, 5.314, 5.482, 5.491, 5.617, 5.674, 5.321, 5.669, 5.706, 5.508, 5.488, 5.257, 5.343, 5.411, 5.448, 5.475, 5.410, 5.687, 5.577, 5.602, 5.329, 5.515, 5.274, 5.401, 5.395, 5.490, 5.649, 5.622, 5.396, 5.707, 5.703, 5.605, 5.715, 5.481, 5.574, 5.268, 5.676, 5.639, 5.683, 5.379, 5.578, 5.406, 5.536, 5.303, 5.254, 5.425, 5.614, 5.517, 5.454, 5.506, 5.643, 5.701, 5.306, 5.327, 5.568, 5.367, 5.489, 5.550, 5.324, 5.269, 5.667, 5.429, 5.473, 5.675
28	5280	9	1	333	1	5.406, 5.636, 5.254, 5.424, 5.544, 5.429, 5.374, 5.303, 5.392, 5.551, 5.648, 5.373, 5.443, 5.453, 5.577, 5.699, 5.481, 5.612, 5.552, 5.440, 5.672, 5.667, 5.608, 5.315, 5.575, 5.353, 5.287, 5.649, 5.639, 5.602, 5.330, 5.317, 5.346, 5.604, 5.668, 5.304, 5.512, 5.294, 5.344, 5.674, 5.685, 5.289, 5.510, 5.617, 5.638, 5.702, 5.257, 5.333, 5.543, 5.647, 5.388, 5.707, 5.279, 5.653, 5.556, 5.470, 5.695, 5.368, 5.711, 5.698, 5.655, 5.515, 5.371, 5.494, 5.325, 5.565, 5.417, 5.570, 5.513, 5.313, 5.385, 5.675, 5.517, 5.493, 5.450, 5.413, 5.473, 5.458, 5.579, 5.395, 5.678, 5.600, 5.372, 5.555,

						5.377, 5.402, 5.572, 5.719, 5.482, 5.519, 5.525, 5.348, 5.516, 5.452, 5.474, 5.669, 5.428, 5.684, 5.391, 5.576
29	5280	9	1	333	1	5.313, 5.585, 5.524, 5.647, 5.434, 5.577, 5.356, 5.324, 5.482, 5.693, 5.717, 5.400, 5.253, 5.671, 5.328, 5.401, 5.687, 5.436, 5.530, 5.271, 5.281, 5.398, 5.449, 5.441, 5.276, 5.288, 5.639, 5.594, 5.317, 5.251, 5.708, 5.472, 5.260, 5.305, 5.526, 5.618, 5.485, 5.269, 5.670, 5.510, 5.504, 5.388, 5.583, 5.418, 5.705, 5.319, 5.505, 5.346, 5.268, 5.431, 5.338, 5.292, 5.487, 5.447, 5.290, 5.282, 5.467, 5.471, 5.369, 5.291, 5.475, 5.463, 5.522, 5.361, 5.502, 5.692, 5.607, 5.624, 5.414, 5.631, 5.662, 5.665, 5.363, 5.426, 5.351, 5.561, 5.604, 5.396, 5.597, 5.457, 5.673, 5.255, 5.668, 5.536, 5.546, 5.257, 5.476, 5.566, 5.591, 5.304, 5.571, 5.385, 5.663, 5.572, 5.464, 5.320, 5.490, 5.287, 5.466, 5.629
30	5280	9	1	333	1	5.489, 5.506, 5.395, 5.468, 5.585, 5.614, 5.465, 5.377, 5.559, 5.393, 5.546, 5.356, 5.282, 5.408, 5.366, 5.401, 5.688, 5.263, 5.484, 5.593, 5.277, 5.692, 5.275, 5.603, 5.598, 5.544, 5.507, 5.457, 5.642, 5.537, 5.620, 5.399, 5.266, 5.562, 5.298, 5.694, 5.411, 5.380, 5.707, 5.418, 5.492, 5.702, 5.360, 5.383, 5.496, 5.695, 5.355, 5.605, 5.565, 5.649, 5.617, 5.446, 5.301, 5.318, 5.673, 5.658, 5.452, 5.699, 5.430, 5.540, 5.572, 5.260, 5.381, 5.342, 5.606, 5.689, 5.424, 5.339, 5.531, 5.483, 5.719, 5.290, 5.412, 5.644, 5.670, 5.576, 5.362, 5.521, 5.472, 5.590, 5.717, 5.337, 5.273, 5.471, 5.653, 5.648, 5.659, 5.392, 5.609, 5.427, 5.528, 5.417, 5.721, 5.373, 5.552, 5.289, 5.252, 5.631, 5.367, 5.502

40MHz,

Radar SignalType	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A	15	100%	60%	pass
Type 1B	15	100%		
Type 2	30	100%	60%	Pass
Type 3	30	100%	60%	Pass
Type 4	30	100%	60%	Pass
Aggregate(Type1 to 4)	120	100%	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	63	1	838	1
3	5310	68	1	778	1
4	5310	95	1	558	1
5	5310	59	1	898	1
6	5310	86	1	618	1
7	5310	61	1	878	1
8	5310	98	1	538	1
9	5310	65	1	818	1
10	5310	70	1	758	1
11	5310	89	1	598	1
12	5310	57	1	938	1
13	5310	78	1	678	1
14	5310	92	1	578	1
15	5310	72	1	738	1
Detection Percentage: 100 % (>60%)					

Radar Type 1B Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5310	49	1	1097	1
2	5310	38	1	1396	1
3	5310	23	1	2312	1
4	5310	47	1	1134	1
5	5310	20	1	2653	1
6	5310	38	1	1421	1
7	5310	23	1	2354	1
8	5310	22	1	2424	1
9	5310	27	1	1990	1
10	5310	39	1	1386	1
11	5310	20	1	2710	1
12	5310	33	1	1635	1
13	5310	18	1	2935	1
14	5310	65	1	817	1
15	5310	43	1	1254	1
Detection Percentage: 100 % (>60%)					

Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5310	28	2.4	176	1
2	5310	28	4.6	166	1
3	5310	27	1.5	183	1
4	5310	24	4.3	157	1
5	5310	25	3.5	160	1
6	5310	26	1.1	178	1
7	5310	26	5	155	1
8	5310	24	4.9	160	1
9	5310	28	1.8	196	1
10	5310	29	1.2	226	1
11	5310	27	2.7	167	1
12	5310	25	1.5	165	1
13	5310	27	4.7	163	1
14	5310	28	4	176	1
15	5310	23	3.8	167	1
16	5310	25	4.3	201	1
17	5310	28	4.7	216	1
18	5310	26	2.7	157	1
19	5310	25	4.2	202	1
20	5310	23	4.9	219	1
21	5310	29	2.9	209	1
22	5310	25	1.9	168	1
23	5310	24	4.6	214	1
24	5310	24	3.3	171	1
25	5310	25	3.3	174	1
26	5310	27	5	158	1
27	5310	25	4.2	190	1
28	5310	24	2.2	230	1
29	5310	27	2.3	206	1
30	5310	24	4.1	207	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	17	6.7	244	1
2	5310	17	8	492	1
3	5310	17	6.1	356	1
4	5310	18	7	374	1
5	5310	16	8.4	361	1
6	5310	17	9.6	394	1
7	5310	17	6	215	1
8	5310	17	6	259	1
9	5310	16	8.6	239	1
10	5310	17	9.4	234	1
11	5310	18	8.5	227	1
12	5310	18	6.4	368	1
13	5310	17	9.5	360	1
14	5310	18	6.1	456	1
15	5310	18	9.9	320	1
16	5310	17	6.3	438	1
17	5310	17	6.6	345	1
18	5310	17	9.7	424	1
19	5310	17	8.2	370	1
20	5310	18	8.5	257	1
21	5310	17	9.5	209	1
22	5310	16	7.6	351	1
23	5310	18	9.9	261	1
24	5310	17	9.7	274	1
25	5310	16	9.6	304	1
26	5310	17	6.7	414	1
27	5310	18	8.7	256	1
28	5310	18	10	439	1
29	5310	18	6.3	278	1
30	5310	17	7.6	448	1
Detection Percentage: 100 % (>60%)					

Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5310	13	15.1	359	1
2	5310	15	17.2	488	1
3	5310	15	16.8	401	1
4	5310	13	18.2	344	1
5	5310	15	15.4	479	1
6	5310	13	14.3	401	1
7	5310	15	18	220	1
8	5310	13	15.9	275	1
9	5310	14	18.1	462	1
10	5310	14	15.5	397	1
11	5310	13	19.3	210	1
12	5310	14	12.9	342	1
13	5310	13	17	324	1
14	5310	15	11.1	210	1
15	5310	14	13.3	372	1
16	5310	15	15	284	1
17	5310	16	11.8	379	1
18	5310	16	16.3	304	1
19	5310	13	16.4	403	1
20	5310	14	19.8	468	1
21	5310	13	16.8	201	1
22	5310	13	18.3	310	1
23	5310	15	16.9	336	1
24	5310	13	18.8	370	1
25	5310	13	19.6	409	1
26	5310	13	12.1	391	1
27	5310	13	19.7	499	1
28	5310	15	18.6	366	1
29	5310	15	18.8	380	1
30	5310	16	11	339	1
Detection Percentage: 100 % (>60%)					

Radar Type 5 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5310 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	9	77.6			470.786	1
2	1	9	80.1			968.967	
3	2	9	89	1142		1012.053	
4	2	9	92.5	1169		217.88	
5	2	9	79.4	1992		1044.617	
6	2	9	65.1	1568		802.573	
7	2	9	80.2	1502		1325.98	
8	2	9	81	1652		373.037	
9	2	9	99.8	1393		927.233	

Statistics 2 (ChirpCenter Frequency: 5310 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	9	90.2	1160		530.371	1
2	1	9	87.9			188.327	
3	2	9	84.5	1682		603.163	
4	2	9	62.3	1761		919.32	
5	2	9	66.6	1235		1087.657	
6	2	9	96.6	1612		918.933	
7	2	9	79.1	1174		34.63	
8	2	9	89.9	1259		1199.567	
9	2	9	93	1162		1030.333	

Statistics 3 (ChirpCenter Frequency: 5310 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	16	61.9	1870		229.591	1
2	3	16	52.5	1307	1640	843.25	
3	2	16	67.5	1864		494.05	
4	3	16	92.6	1122	1049	517.43	
5	2	16	70.2	1938		623.07	
6	1	16	81.8			29.72	
7	2	16	71.3	1213		120.7	
8	1	16	61.5			327.54	
9	2	16	75.1	1543		893.5	
10	3	16	61	1016	1069	1005.2	

Statistics 4 (ChirpCenter Frequency: 5310 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	16	80.5	1256	1655	494.932	1
2	2	16	50.9	1976		354.72	
3	2	16	50.2	1636		1158.33	
4	3	16	84.7	1386	1017	1399.33	
5	1	16	67.6			1244.62	
6	3	16	54.4	1080	1215	394.7	
7	1	16	70.8			128.32	
8	3	16	95.8	1936	1816	1445.1	

Statistics 5(ChirpCenter Frequency: 5310 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	5	53			800.293	1
2	2	5	89.6	1108		840.19	
3	1	5	95.3			343.02	
4	1	5	68.7			403.3	
5	2	5	78.8	1839		209.74	
6	1	5	61			476.24	
7	2	5	80.5	1105		465.66	
8	3	5	69.4	1702	1673	805.17	
9	2	5	54.9	1298		43.8	
10	3	5	53.5	1722	1694	382.95	
11	3	5	67.1	1217	1062	162.2	
12	1	5	66.5			255.8	

Statistics 6 (ChirpCenter Frequency: 5310 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	20	87.5	1698		540.045	1
2	2	20	89.3	1698		306.56	
3	3	20	58.5	1465	1896	407.95	
4	2	20	91.9	1062		86.25	
5	2	20	86.2	1345		726	
6	2	20	62.8	1597		10.58	
7	3	20	99	1369	1162	752.01	
8	1	20	59.5			226.18	
9	2	20	52	1577		452	
10	1	20	80.6			254.64	
11	1	20	53.2			569.72	
12	2	20	61.3	1386		246.84	
13	2	20	82.4	1090		583.1	
14	1	20	77.3			493.6	
15	2	20	75.2	1020		411.8	

Statistics 7(ChirpCenter Frequency: 5310 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	18	73.1	1413		1235.21	1
2	1	18	66.3			720.187	
3	1	18	58			1163.493	
4	2	18	91.9	1739		1203.27	
5	1	18	75.9			998.347	
6	2	18	56.2	1296		292.493	
7	2	18	77.3	1841		878.31	
8	1	18	85.1			1140.067	
9	1	18	83			1172.133	

Statistics 8 (ChirpCenter Frequency: 5310 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	5	95.4	1491		95.48	1
2	3	5	72.3	1010	1629	309.607	
3	1	5	55.3			952.963	
4	2	5	54.1	1911		481.73	
5	2	5	79.5	1790		189.057	
6	3	5	60	1780	1862	495.693	
7	3	5	83.9	1156	1840	196.94	
8	1	5	73.6			689.367	
9	1	5	56.5			744.833	

Statistics 9 (ChirpCenter Frequency: 5310 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	18	76.3			115.986	1
2	1	18	90.8			584.241	
3	3	18	84.2	1410	1991	393.272	
4	3	18	81.6	1190	1739	523.363	
5	2	18	98	1518		501.844	
6	2	18	57.7	1044		513.365	
7	2	18	92.7	1771		436.006	
8	3	18	99.1	1928	1372	618.757	
9	1	18	64.1			33.948	
10	3	18	81.5	1761	1315	545.849	
11	3	18	60.7	1814	1175	133.521	
12	1	18	64.9			394.412	
13	2	18	52.7	1944		375.293	
14	2	18	91.2	1652		117.604	
15	3	18	92.3	1709	1688	198.275	
16	1	18	94.3			185.556	
17	1	18	86.4			493.637	
18	1	18	87.8			122.758	
19	2	18	52.8	1789		92.879	

Statistics 10 (ChirpCenter Frequency: 5310 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	13	69.6	1172		173.115	1
2	2	13	79.3	1866		6.188	
3	2	13	92.8	1309		54.655	
4	2	13	97.1	1678		106.563	
5	1	13	64.5			629.181	
6	2	13	63.1	1528		173.838	
7	1	13	84.7			528.806	
8	2	13	98.8	1943		591.974	
9	1	13	76.8			490.601	
10	3	13	87.3	1636	1423	66.089	
11	3	13	76.8	1519	1731	109.746	
12	1	13	86.9			115.074	
13	2	13	65	1947		444.342	
14	1	13	91.7			375.349	
15	3	13	53.4	1653	1621	568.547	
16	2	13	87.3	1366		426.565	
17	3	13	85.3	1064	1171	170.382	

Statistics 11 (ChirpCenter Frequency: 5294.4 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	6	63.3	1745		530.541	1
2	2	6	68.4	1545		510.591	
3	2	6	97.6	1455		327.442	
4	2	6	96.2	1825		433.963	
5	1	6	58.5			217.064	
6	2	6	50.6	1853		198.055	
7	2	6	61	1232		10.196	
8	3	6	51.8	1516	1398	80.797	
9	2	6	61.1	1143		309.398	
10	2	6	68.9	1522		256.429	
11	2	6	87.7	1127		113.101	
12	1	6	72.5			293.782	
13	2	6	93.5	1607		338.743	
14	3	6	74.5	1145	1607	606.584	
15	2	6	54.4	1279		246.245	
16	2	6	64.3	1908		174.486	
17	1	6	76			339.837	
18	3	6	89.2	1332	1549	431.358	
19	1	6	56			364.379	

Statistics 12 (ChirpCenter Frequency: 5297.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	14	91.4			480.401	1
2	2	14	88	1160		749.853	
3	2	14	67.7	1986		156.846	
4	2	14	85.6	1414		31.279	
5	3	14	92	1979	1794	344.042	
6	2	14	51.6	1325		198.455	
7	2	14	73.9	1863		207.838	
8	3	14	96.9	1932	1696	305.032	
9	3	14	53.2	1970	1453	372.965	
10	2	14	91.3	1353		551.158	
11	3	14	51.9	1494	1173	397.801	
12	1	14	50.2			909.954	
13	3	14	62.2	1071	1871	698.577	

Statistics 13 (ChirpCenter Frequency: 5294.4 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	6	95	1086		846.688	1
2	2	6	75.1	1807		726.243	
3	3	6	72.6	1425	1852	690.606	
4	2	6	89.8	1259		325.029	
5	3	6	60.9	1088	1265	730.342	
6	2	6	79.8	1497		65.965	
7	2	6	51.2	1264		823.548	
8	2	6	62.7	1033		813.512	
9	2	6	54.6	1825		912.785	
10	2	6	86.5	1357		426.438	
11	3	6	85.8	1805	1155	294.851	
12	3	6	86.8	1658	1451	426.554	
13	2	6	84.1	1887		393.777	

Statistics 14 (ChirpCenter Frequency: 5295.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	8	58.9	1007		853.084	1
2	1	8	90.6			346.56	
3	3	8	94.5	1378	1955	392.34	
4	2	8	72	1732		726.39	
5	3	8	91.9	1273	1273	536.05	
6	2	8	77.1	1087		541.92	
7	2	8	99.4	1631		797.28	
8	1	8	70.3			719.87	
9	3	8	98.4	1670	1676	214.24	
10	2	8	94.7	1044		940.07	
11	2	8	99.7	1305		812.6	
12	2	8	81.6	1122		522.6	

Statistics 15 (ChirpCenter Frequency: 5295.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	8	54.5	1363		129.519	1
2	1	8	74.1			551.943	
3	1	8	60.1			201.907	
4	2	8	60.1	1389		88.06	
5	3	8	95.6	1699	1698	627.583	
6	2	8	83.5	1915		186.007	
7	1	8	77.6			79.31	
8	2	8	74.4	1522		291.403	
9	3	8	61	1065	1411	451.627	
10	2	8	60.8	1593		497.49	
11	1	8	98.9			660.333	
12	1	8	93.6			259.357	
13	1	8	68.3			374.62	
14	3	8	68.5	1562	1674	632.813	
15	2	8	74.5	1765		297.347	
16	1	8	94.4			660.5	
17	3	8	93.3	1314	1845	404.133	
18	1	8	81.6			557.967	

Statistics 16 (ChirpCenter Frequency: 5295.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	9	99.4	1161		837.995	0
2	2	9	67.4	1347		529.577	
3	2	9	50.3	1750		211.614	
4	1	9	68.8			816.571	
5	1	9	80.7			582.129	
6	2	9	90.2	1893		429.006	
7	2	9	81.7	1184		151.753	
8	3	9	86.6	1137	1077	815.59	
9	1	9	53.6			820.637	
10	1	9	84.3			846.064	
11	1	9	74.5			435.141	
12	3	9	62.4	1766	1991	785.129	
13	1	9	94.6			374.286	
14	2	9	58.7	1810		625.243	

Statistics 17 (ChirpCenter Frequency: 5296.4 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	11	56.7	1969	1314	80.607	1
2	2	11	57.8	1087		438.44	
3	2	11	91.3	1715		170.66	
4	2	11	80.2	1760		292.52	
5	1	11	86.9			401.74	
6	2	11	87.7	1614		35.77	
7	2	11	66	1512		598.87	
8	1	11	80.4			395.5	
9	3	11	57.8	1019	1443	521.26	
10	2	11	69	1290		423.7	
11	1	11	99			179.9	
12	3	11	96.6	1843	1890	38	

Statistics 18 (ChirpCenter Frequency: 5296.8 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	12	78.7			386.578	1
2	1	12	90.3			355.258	
3	3	12	81.5	1413	1401	181.555	
4	2	12	59	1899		661.883	
5	1	12	64.3			352.141	
6	2	12	64.7	1644		394.038	
7	2	12	70.3	1848		143.676	
8	2	12	81.8	1955		360.354	
9	3	12	54.4	1958	1936	699.021	
10	2	12	57.6	1352		566.969	
11	2	12	64.2	1783		111.576	
12	3	12	73.6	1033	1195	300.234	
13	2	12	79.3	1196		601.222	
14	1	12	86.2			569.409	
15	2	12	50.6	1448		664.647	
16	2	12	55.4	1703		361.865	
17	2	12	60.4	1112		95.082	

Statistics 19 (ChirpCenter Frequency: 5299.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	18	81.5	1559		372.82	1
2	3	18	80.1	1226	1865	64.713	
3	3	18	78.3	1947	1199	405.594	
4	2	18	69.3	1414		498.121	
5	2	18	69	1907		515.519	
6	1	18	69.6			297.676	
7	2	18	94.5	1905		846.113	
8	1	18	64.8			731.76	
9	1	18	94.8			469.217	
10	1	18	63.1			663.964	
11	2	18	84.9	1292		845.031	
12	2	18	91.1	1537		557.019	
13	2	18	79.9	1623		660.986	
14	1	18	66.2			195.743	

Statistics 20 (ChirpCenter Frequency: 5299.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	18	69	1757	1330	154.853	1
2	2	18	78.4	1884		773.653	
3	2	18	66.5	1524		792.686	
4	1	18	98			867.369	
5	2	18	64.6	1670		829.612	
6	1	18	89.1			619.865	
7	2	18	53.2	1300		2.108	
8	3	18	50.6	1340	1403	371.322	
9	1	18	95.7			34.995	
10	3	18	88.5	1957	1926	784.298	
11	3	18	83.6	1938	1664	133.891	
12	3	18	58.9	1462	1114	201.454	
13	1	18	85.4			693.877	

Statistics 21 (ChirpCenter Frequency: 5322.8 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	13	98.3	1984	1337	934.807	1
2	2	13	71.1	1004		60.167	
3	2	13	66	1102		109.553	
4	2	13	90.1	1580		435.24	
5	1	13	85.5			731.397	
6	3	13	63.1	1299	1518	1107.083	
7	2	13	59.3	1061		542.28	
8	1	13	59.8			220.737	
9	1	13	76			416.133	

Statistics 22 (ChirpCenter Frequency: 5325.6)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	6	63	1733		214.565	1
2	2	6	89.3	1858		609.62	
3	3	6	56.9	1589	1802	83.2	
4	2	6	65.2	1757		190.83	
5	1	6	65			578.17	
6	2	6	96.4	1634		760.19	
7	2	6	71.4	1545		648.59	
8	2	6	50	1558		752.08	
9	1	6	73.2			134.62	
10	2	6	99.2	1017		784.13	
11	1	6	82.9			5.25	
12	1	6	63.4			401.38	
13	1	6	76.4			61.45	
14	3	6	59.6	1905	1951	559.2	
15	2	6	65.2	1961		304	

Statistics 23 (ChirpCenter Frequency: 5320.4 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	19	62.5	1812	1614	1009.17	1
2	3	19	93.5	1948	1844	289.81	
3	2	19	91	1173		158.1	
4	2	19	67.7	1049		242.57	
5	1	19	52.9			1434.76	
6	1	19	69.8			171.63	
7	2	19	67.5	1375		972.65	
8	3	19	58.3	1148	1677	1168.9	

Statistics 24 (ChirpCenter Frequency: 5323.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	12	59.2	1328		183.383	1
2	2	12	77.4	1809		431.783	
3	2	12	98.3	1820		628.806	
4	1	12	74.7			727.289	
5	2	12	79.4	1873		399.392	
6	1	12	50.1			274.505	
7	1	12	94.7			75.478	
8	1	12	94.2			431.702	
9	1	12	99.4			393.605	
10	2	12	71.2	1038		456.288	
11	2	12	74	1273		170.461	
12	3	12	87.2	1772	1120	571.154	
13	2	12	96.1	1419		249.777	

Statistics 25 (ChirpCenter Frequency: 5324 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	10	86.7	1404	1940	987.265	1
2	3	10	85.5	1407	1690	528.68	
3	1	10	82.8			429.55	
4	3	10	51.5	1354	1552	716.25	
5	2	10	58	1708		488.88	
6	2	10	84.5	1449		378.39	
7	2	10	54.9	1237		114.05	
8	3	10	64.2	1334	1503	186.34	
9	2	10	79.7	1680		479.98	
10	1	10	55.9			798.27	
11	3	10	59.7	1484	1558	319.7	
12	1	10	59.4			677	

Statistics 26 (ChirpCenter Frequency: 5324.4 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	9	90.5	1199		205.197	1
2	3	9	87.3	1311	1346	107.12	
3	2	9	58.1	1676		419.06	
4	2	9	83.8	1288		578.79	
5	3	9	75.1	1793	1583	204.94	
6	3	9	52	1991	1119	307.53	
7	3	9	54.2	1788	1904	666.19	
8	1	9	81.2			814.65	
9	2	9	66.3	1833		333.09	
10	3	9	57.6	1758	1767	157.08	
11	2	9	67.9	1847		720.1	
12	3	9	57.3	1561	1284	558	

Statistics 27 (ChirpCenter Frequency: 5324.8 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	8	89.2			610.794	1
2	2	8	51.9	1133		221.005	
3	2	8	80.8	1209		118.022	
4	3	8	91.2	1675	1887	250.233	
5	1	8	98.1			192.144	
6	3	8	76.9	1405	1216	72.475	
7	2	8	54	1623		382.846	
8	3	8	91.2	1470	1555	221.457	
9	2	8	66.4	1118		268.638	
10	2	8	65.6	1786		377.459	
11	2	8	81.7	1694		405.731	
12	3	8	97.7	1926	1456	460.532	
13	2	8	50.5	1533		90.223	
14	2	8	84.6	1462		203.414	
15	3	8	58	1984	1810	194.485	
16	2	8	62.6	1463		304.426	
17	2	8	88	1810		134.337	
18	2	8	51.7	1728		209.458	
19	1	8	78			526.579	

Statistics 28 (ChirpCenter Frequency: 5323.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	12	90.3			515.128	1
2	3	12	80.3	1860	1060	398.73	
3	3	12	67.6	1925	1749	210.65	
4	2	12	82.5	1167		251.22	
5	2	12	80.6	1974		301.75	
6	2	12	97.6	1796		225.86	
7	2	12	91.7	1066		282.06	
8	3	12	87.1	1693	1855	175.82	
9	2	12	96	1594		657.28	
10	1	12	76.2			445.7	
11	2	12	72.6	1225		565.93	
12	1	12	76.6			391.27	
13	1	12	90.9			24.02	
14	1	12	82.1			212	
15	1	12	79.3			579.4	

Statistics 29 (ChirpCenter Frequency: 5321.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	16	81.2			393.975	1
2	2	16	50.3	1235		548.443	
3	2	16	89.3	1973		278.826	
4	1	16	70.7			612.279	
5	2	16	61.8	1756		821.202	
6	3	16	51.6	1043	1323	304.445	
7	2	16	63.2	1107		420.298	
8	3	16	50.3	1014	1930	789.092	
9	2	16	89.8	1475		908.685	
10	2	16	52.4	1274		768.508	
11	3	16	86.8	1461	1678	359.581	
12	2	16	88.6	1044		453.554	
13	3	16	56.7	1975	1107	785.877	

Statistics 30 (ChirpCenter Frequency: 5326 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	5	65.5	1694	1243	436.221	1
2	3	5	78.2	1979	1490	41.229	
3	2	5	66.9	1498		18.525	
4	1	5	88.4			412.053	
5	3	5	78.6	1803	1465	429.611	
6	3	5	96.2	1052	1568	600.418	
7	2	5	52.6	1054		188.586	
8	3	5	81.7	1075	1961	185.794	
9	1	5	83.5			474.981	
10	1	5	84.5			166.469	
11	2	5	78.5	1426		446.566	
12	2	5	70.3	1724		520.174	
13	2	5	70.7	1056		157.972	
14	1	5	69			692.999	
15	2	5	65.5	1284		162.447	
16	3	5	82.4	1049	1907	327.865	
17	2	5	72	1971		325.482	

Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence (GHz)
1	5310	9	1	333	1	5.392, 5.569, 5.508, 5.717, 5.489, 5.516, 5.446, 5.455, 5.695, 5.315, 5.612, 5.496, 5.651, 5.471, 5.694, 5.449, 5.468, 5.536, 5.367, 5.630, 5.402, 5.646, 5.645, 5.475, 5.288, 5.325, 5.313, 5.567, 5.291, 5.287, 5.448, 5.293, 5.538, 5.554, 5.426, 5.552, 5.277, 5.669, 5.275, 5.502, 5.303, 5.385, 5.407, 5.340, 5.290, 5.382, 5.258, 5.535, 5.560, 5.366, 5.660, 5.521, 5.463, 5.642, 5.527, 5.351, 5.267, 5.504, 5.523, 5.356, 5.410, 5.677, 5.710, 5.652, 5.635, 5.680, 5.541, 5.700, 5.451, 5.360, 5.459, 5.606, 5.470, 5.692, 5.620, 5.573, 5.674, 5.576, 5.579, 5.482, 5.622, 5.381, 5.411, 5.707, 5.533, 5.503, 5.543, 5.595, 5.676, 5.316, 5.292, 5.532, 5.425, 5.609, 5.553, 5.714, 5.286, 5.530, 5.477, 5.510
2	5310	9	1	333	1	5.599, 5.424, 5.548, 5.322, 5.661, 5.336, 5.576, 5.290, 5.668, 5.451, 5.396, 5.689, 5.429, 5.665, 5.254, 5.583, 5.627, 5.454, 5.270, 5.596, 5.461, 5.514, 5.301, 5.691, 5.628, 5.582, 5.278, 5.509, 5.460, 5.528, 5.431, 5.265, 5.589, 5.445, 5.623, 5.550, 5.285, 5.512, 5.421, 5.673, 5.513, 5.504, 5.416, 5.681, 5.422, 5.491, 5.313, 5.525, 5.535, 5.262, 5.448, 5.690, 5.685, 5.531, 5.291, 5.714, 5.508, 5.664, 5.263, 5.355, 5.540, 5.488, 5.719, 5.327, 5.570, 5.363, 5.616, 5.268, 5.371, 5.308, 5.423, 5.676, 5.455, 5.485, 5.384, 5.595, 5.335, 5.578, 5.651, 5.547, 5.441, 5.529, 5.275, 5.442, 5.294, 5.722, 5.622, 5.506, 5.467, 5.721, 5.312, 5.300, 5.606, 5.656, 5.295, 5.320, 5.670, 5.617, 5.530, 5.641
3	5310	9	1	333	1	5.681, 5.292, 5.719, 5.546, 5.532, 5.284, 5.313, 5.276, 5.708, 5.416, 5.633, 5.254, 5.454, 5.711, 5.519, 5.549, 5.429, 5.510, 5.606, 5.414, 5.456, 5.507, 5.620, 5.359, 5.333, 5.495, 5.390, 5.462, 5.268, 5.405, 5.638, 5.686, 5.301, 5.387, 5.439, 5.415, 5.316, 5.409, 5.479, 5.501, 5.350, 5.700, 5.591, 5.564, 5.379, 5.459, 5.348, 5.285, 5.695, 5.478, 5.349, 5.274, 5.288, 5.523, 5.628, 5.351, 5.311, 5.329, 5.603, 5.540, 5.328, 5.596, 5.435, 5.368, 5.402, 5.282, 5.670, 5.395, 5.498, 5.308, 5.298, 5.697, 5.660, 5.567, 5.712, 5.650, 5.579, 5.447, 5.617, 5.438, 5.260, 5.653, 5.473, 5.718, 5.458, 5.386, 5.474, 5.689, 5.323, 5.452, 5.325, 5.330, 5.347, 5.281, 5.550, 5.320, 5.619, 5.382, 5.394, 5.257
4	5310	9	1	333	1	5.502, 5.373, 5.515, 5.535, 5.614, 5.562, 5.717, 5.411, 5.489, 5.436, 5.347, 5.298,

						5.417, 5.592, 5.477, 5.494, 5.548, 5.321, 5.346, 5.450, 5.458, 5.390, 5.393, 5.696, 5.609, 5.283, 5.433, 5.251, 5.666, 5.250, 5.573, 5.266, 5.612, 5.366, 5.286, 5.485, 5.444, 5.352, 5.470, 5.337, 5.662, 5.715, 5.341, 5.706, 5.507, 5.294, 5.701, 5.474, 5.421, 5.306, 5.710, 5.511, 5.565, 5.466, 5.282, 5.608, 5.326, 5.691, 5.338, 5.566, 5.524, 5.309, 5.513, 5.497, 5.642, 5.445, 5.689, 5.721, 5.368, 5.545, 5.432, 5.257, 5.697, 5.425, 5.389, 5.500, 5.261, 5.519, 5.343, 5.382, 5.490, 5.459, 5.397, 5.569, 5.413, 5.404, 5.369, 5.365, 5.516, 5.584, 5.377, 5.475, 5.381, 5.316, 5.498, 5.276, 5.428, 5.698, 5.358, 5.388
5	5310	9	1	333	1	5.250, 5.718, 5.298, 5.524, 5.568, 5.595, 5.389, 5.306, 5.631, 5.450, 5.705, 5.252, 5.560, 5.511, 5.563, 5.359, 5.577, 5.385, 5.714, 5.490, 5.363, 5.540, 5.495, 5.526, 5.552, 5.452, 5.654, 5.335, 5.516, 5.401, 5.303, 5.275, 5.279, 5.504, 5.647, 5.272, 5.282, 5.609, 5.601, 5.596, 5.453, 5.384, 5.301, 5.262, 5.673, 5.367, 5.266, 5.259, 5.663, 5.517, 5.461, 5.652, 5.510, 5.416, 5.434, 5.291, 5.319, 5.704, 5.614, 5.584, 5.693, 5.397, 5.679, 5.650, 5.532, 5.455, 5.465, 5.499, 5.709, 5.600, 5.695, 5.565, 5.255, 5.355, 5.694, 5.307, 5.708, 5.420, 5.320, 5.395, 5.712, 5.624, 5.628, 5.629, 5.611, 5.484, 5.349, 5.589, 5.317, 5.688, 5.493, 5.571, 5.269, 5.380, 5.636, 5.310, 5.539, 5.344, 5.575, 5.475
6	5310	9	1	333	1	5.492, 5.415, 5.713, 5.712, 5.523, 5.370, 5.323, 5.601, 5.663, 5.665, 5.528, 5.723, 5.448, 5.419, 5.611, 5.592, 5.720, 5.276, 5.462, 5.363, 5.621, 5.622, 5.433, 5.575, 5.441, 5.465, 5.517, 5.353, 5.369, 5.324, 5.422, 5.660, 5.285, 5.464, 5.679, 5.640, 5.573, 5.453, 5.322, 5.541, 5.499, 5.689, 5.634, 5.395, 5.685, 5.675, 5.409, 5.386, 5.354, 5.402, 5.540, 5.671, 5.507, 5.343, 5.513, 5.505, 5.284, 5.666, 5.596, 5.668, 5.260, 5.717, 5.357, 5.393, 5.628, 5.368, 5.424, 5.721, 5.367, 5.396, 5.289, 5.566, 5.286, 5.570, 5.588, 5.682, 5.630, 5.554, 5.257, 5.311, 5.388, 5.529, 5.411, 5.653, 5.443, 5.638, 5.265, 5.421, 5.722, 5.483, 5.557, 5.310, 5.479, 5.605, 5.302, 5.334, 5.428, 5.683, 5.436, 5.714
7	5310	9	1	333	1	5.529, 5.446, 5.257, 5.275, 5.705, 5.540, 5.612, 5.715, 5.570, 5.606, 5.293, 5.537, 5.498, 5.648, 5.692, 5.663, 5.368, 5.397, 5.698, 5.709, 5.672, 5.359, 5.345, 5.286, 5.546, 5.566, 5.321, 5.362, 5.721, 5.563, 5.694, 5.577, 5.294, 5.624, 5.381, 5.482, 5.628, 5.669, 5.374, 5.440, 5.647, 5.682, 5.478, 5.561, 5.526, 5.676, 5.491, 5.453, 5.467, 5.636, 5.620, 5.360, 5.512, 5.504, 5.523, 5.598, 5.484, 5.324, 5.683, 5.571, 5.513, 5.511, 5.353, 5.462, 5.533, 5.530,

						5.567, 5.272, 5.391, 5.278, 5.543, 5.309, 5.613, 5.410, 5.605, 5.662, 5.518, 5.251, 5.517, 5.576, 5.369, 5.653, 5.315, 5.283, 5.541, 5.691, 5.489, 5.668, 5.400, 5.521, 5.716, 5.339, 5.406, 5.714, 5.375, 5.717, 5.289, 5.604, 5.457, 5.528
8	5310	9	1	333	1	5.662, 5.611, 5.326, 5.406, 5.425, 5.695, 5.539, 5.288, 5.254, 5.393, 5.308, 5.595, 5.577, 5.606, 5.642, 5.392, 5.322, 5.564, 5.568, 5.502, 5.652, 5.665, 5.599, 5.644, 5.536, 5.717, 5.709, 5.629, 5.257, 5.566, 5.545, 5.567, 5.434, 5.422, 5.553, 5.283, 5.580, 5.614, 5.469, 5.584, 5.618, 5.491, 5.603, 5.272, 5.391, 5.664, 5.701, 5.383, 5.292, 5.650, 5.401, 5.718, 5.311, 5.722, 5.530, 5.666, 5.544, 5.313, 5.464, 5.416, 5.415, 5.349, 5.302, 5.448, 5.661, 5.264, 5.679, 5.387, 5.318, 5.386, 5.345, 5.631, 5.255, 5.431, 5.328, 5.638, 5.610, 5.355, 5.396, 5.314, 5.418, 5.266, 5.267, 5.601, 5.712, 5.294, 5.512, 5.656, 5.298, 5.381, 5.346, 5.719, 5.549, 5.281, 5.388, 5.591, 5.411, 5.505, 5.541, 5.562
9	5310	9	1	333	1	5.634, 5.418, 5.280, 5.676, 5.714, 5.455, 5.390, 5.528, 5.344, 5.546, 5.686, 5.500, 5.366, 5.376, 5.326, 5.590, 5.251, 5.258, 5.553, 5.325, 5.548, 5.309, 5.648, 5.485, 5.362, 5.581, 5.369, 5.381, 5.463, 5.649, 5.484, 5.549, 5.270, 5.561, 5.516, 5.293, 5.569, 5.716, 5.667, 5.543, 5.266, 5.274, 5.415, 5.340, 5.611, 5.283, 5.335, 5.620, 5.501, 5.397, 5.422, 5.472, 5.314, 5.356, 5.386, 5.724, 5.718, 5.345, 5.330, 5.288, 5.346, 5.449, 5.582, 5.607, 5.454, 5.254, 5.707, 5.355, 5.351, 5.457, 5.338, 5.255, 5.294, 5.401, 5.517, 5.296, 5.382, 5.570, 5.515, 5.659, 5.508, 5.301, 5.688, 5.702, 5.399, 5.704, 5.563, 5.600, 5.671, 5.300, 5.717, 5.531, 5.308, 5.334, 5.645, 5.434, 5.551, 5.564, 5.470, 5.425
10	5310	9	1	333	1	5.312, 5.389, 5.608, 5.496, 5.535, 5.404, 5.339, 5.285, 5.678, 5.645, 5.413, 5.601, 5.364, 5.494, 5.250, 5.540, 5.388, 5.426, 5.563, 5.251, 5.299, 5.395, 5.297, 5.660, 5.603, 5.643, 5.365, 5.335, 5.707, 5.279, 5.387, 5.327, 5.666, 5.313, 5.595, 5.697, 5.264, 5.599, 5.347, 5.423, 5.433, 5.662, 5.479, 5.565, 5.631, 5.274, 5.553, 5.682, 5.315, 5.456, 5.575, 5.284, 5.588, 5.401, 5.448, 5.509, 5.354, 5.369, 5.709, 5.504, 5.263, 5.641, 5.324, 5.626, 5.713, 5.632, 5.306, 5.556, 5.402, 5.577, 5.683, 5.665, 5.649, 5.449, 5.475, 5.689, 5.487, 5.474, 5.505, 5.390, 5.488, 5.633, 5.530, 5.597, 5.450, 5.587, 5.534, 5.377, 5.572, 5.447, 5.304, 5.421, 5.398, 5.319, 5.635, 5.646, 5.528, 5.397, 5.515, 5.368
11	5310	9	1	333	1	5.507, 5.349, 5.276, 5.670, 5.509, 5.483, 5.375, 5.667, 5.459, 5.310, 5.334, 5.444, 5.490, 5.711, 5.605, 5.536, 5.390, 5.304,

						5.338, 5.434, 5.501, 5.328, 5.425, 5.443, 5.643, 5.251, 5.575, 5.429, 5.282, 5.634, 5.423, 5.305, 5.596, 5.441, 5.278, 5.529, 5.621, 5.543, 5.642, 5.345, 5.516, 5.548, 5.361, 5.660, 5.707, 5.684, 5.693, 5.546, 5.593, 5.456, 5.431, 5.291, 5.613, 5.445, 5.567, 5.476, 5.547, 5.535, 5.468, 5.486, 5.499, 5.648, 5.384, 5.698, 5.527, 5.620, 5.313, 5.424, 5.395, 5.530, 5.662, 5.576, 5.421, 5.639, 5.480, 5.676, 5.415, 5.411, 5.563, 5.274, 5.538, 5.690, 5.467, 5.343, 5.382, 5.418, 5.360, 5.402, 5.478, 5.256, 5.573, 5.339, 5.419, 5.477, 5.348, 5.673, 5.700, 5.532, 5.666, 5.531
12	5310	9	1	333	1	5.296, 5.452, 5.504, 5.505, 5.579, 5.533, 5.259, 5.358, 5.319, 5.284, 5.625, 5.250, 5.377, 5.583, 5.718, 5.258, 5.587, 5.456, 5.353, 5.540, 5.482, 5.261, 5.334, 5.321, 5.277, 5.424, 5.466, 5.723, 5.378, 5.360, 5.380, 5.719, 5.331, 5.581, 5.324, 5.427, 5.666, 5.521, 5.506, 5.335, 5.337, 5.443, 5.596, 5.343, 5.545, 5.339, 5.586, 5.636, 5.710, 5.253, 5.546, 5.402, 5.640, 5.423, 5.658, 5.691, 5.493, 5.519, 5.578, 5.393, 5.562, 5.623, 5.379, 5.612, 5.352, 5.449, 5.514, 5.558, 5.524, 5.555, 5.365, 5.639, 5.435, 5.454, 5.428, 5.299, 5.515, 5.386, 5.252, 5.273, 5.676, 5.501, 5.681, 5.597, 5.632, 5.338, 5.656, 5.351, 5.599, 5.345, 5.595, 5.622, 5.682, 5.342, 5.577, 5.446, 5.679, 5.667, 5.478, 5.598
13	5310	9	1	333	1	5.342, 5.324, 5.532, 5.615, 5.449, 5.684, 5.258, 5.687, 5.557, 5.477, 5.569, 5.379, 5.440, 5.690, 5.554, 5.502, 5.486, 5.494, 5.252, 5.438, 5.661, 5.451, 5.719, 5.278, 5.335, 5.683, 5.376, 5.463, 5.712, 5.702, 5.389, 5.571, 5.497, 5.645, 5.708, 5.680, 5.489, 5.396, 5.423, 5.721, 5.262, 5.434, 5.332, 5.275, 5.255, 5.717, 5.642, 5.524, 5.419, 5.514, 5.518, 5.327, 5.263, 5.635, 5.633, 5.471, 5.367, 5.689, 5.409, 5.715, 5.538, 5.426, 5.326, 5.703, 5.549, 5.315, 5.406, 5.274, 5.531, 5.528, 5.370, 5.350, 5.646, 5.418, 5.604, 5.584, 5.417, 5.412, 5.442, 5.664, 5.576, 5.446, 5.368, 5.307, 5.474, 5.651, 5.480, 5.287, 5.662, 5.509, 5.321, 5.623, 5.485, 5.467, 5.300, 5.265, 5.663, 5.374, 5.272, 5.458
14	5310	9	1	333	1	5.386, 5.638, 5.588, 5.566, 5.436, 5.411, 5.303, 5.289, 5.383, 5.664, 5.379, 5.616, 5.473, 5.722, 5.271, 5.700, 5.567, 5.716, 5.410, 5.284, 5.425, 5.525, 5.624, 5.357, 5.578, 5.507, 5.622, 5.709, 5.576, 5.577, 5.319, 5.570, 5.250, 5.642, 5.705, 5.600, 5.609, 5.513, 5.680, 5.585, 5.561, 5.447, 5.620, 5.426, 5.594, 5.300, 5.523, 5.522, 5.631, 5.454, 5.459, 5.608, 5.579, 5.322, 5.580, 5.363, 5.360, 5.502, 5.689, 5.308, 5.414, 5.351, 5.512, 5.397, 5.539, 5.593, 5.393, 5.446, 5.721, 5.416, 5.266, 5.328,

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15	5310	9	1	333	1	5.367, 5.499, 5.530, 5.526, 5.707, 5.600, 5.694, 5.310, 5.350, 5.655, 5.277, 5.294, 5.615, 5.469, 5.352, 5.552, 5.347, 5.504, 5.705, 5.699, 5.270, 5.377, 5.472, 5.702, 5.595, 5.711, 5.546, 5.404, 5.371, 5.471, 5.273, 5.488, 5.483, 5.519, 5.405, 5.420, 5.649, 5.516, 5.261, 5.384, 5.612, 5.621, 5.482, 5.332, 5.359, 5.250, 5.257, 5.444, 5.461, 5.275, 5.557, 5.569, 5.506, 5.451, 5.542, 5.463, 5.681, 5.308, 5.567, 5.468, 5.264, 5.686, 5.272, 5.597, 5.596, 5.410, 5.306, 5.476, 5.508, 5.684, 5.438, 5.297, 5.395, 5.550, 5.285, 5.616, 5.486, 5.376, 5.473, 5.386, 5.719, 5.326, 5.581, 5.355, 5.614, 5.268, 5.416, 5.608, 5.572, 5.575, 5.462, 5.551, 5.346, 5.630, 5.602, 5.710, 5.427, 5.638, 5.692, 5.385
16	5310	9	1	333	1	5.548, 5.595, 5.609, 5.362, 5.355, 5.675, 5.264, 5.270, 5.406, 5.691, 5.501, 5.583, 5.523, 5.348, 5.573, 5.367, 5.494, 5.462, 5.359, 5.332, 5.603, 5.467, 5.682, 5.517, 5.568, 5.515, 5.299, 5.680, 5.554, 5.552, 5.346, 5.385, 5.655, 5.506, 5.436, 5.356, 5.277, 5.607, 5.697, 5.283, 5.288, 5.579, 5.571, 5.389, 5.581, 5.577, 5.364, 5.722, 5.450, 5.530, 5.266, 5.265, 5.578, 5.354, 5.368, 5.314, 5.649, 5.553, 5.694, 5.427, 5.306, 5.373, 5.432, 5.412, 5.461, 5.544, 5.576, 5.646, 5.518, 5.322, 5.634, 5.344, 5.464, 5.724, 5.537, 5.293, 5.256, 5.499, 5.551, 5.321, 5.415, 5.372, 5.652, 5.674, 5.559, 5.718, 5.698, 5.719, 5.336, 5.505, 5.347, 5.309, 5.596, 5.656, 5.669, 5.483, 5.250, 5.253, 5.416, 5.721
17	5310	9	1	333	1	5.283, 5.665, 5.548, 5.565, 5.432, 5.298, 5.594, 5.549, 5.481, 5.611, 5.456, 5.437, 5.717, 5.570, 5.420, 5.715, 5.324, 5.403, 5.652, 5.598, 5.703, 5.661, 5.555, 5.704, 5.451, 5.470, 5.682, 5.269, 5.659, 5.310, 5.588, 5.708, 5.485, 5.430, 5.479, 5.263, 5.386, 5.650, 5.335, 5.398, 5.270, 5.258, 5.557, 5.417, 5.313, 5.603, 5.559, 5.338, 5.647, 5.356, 5.687, 5.535, 5.297, 5.515, 5.334, 5.272, 5.436, 5.538, 5.648, 5.605, 5.649, 5.607, 5.472, 5.347, 5.660, 5.509, 5.620, 5.321, 5.579, 5.288, 5.586, 5.508, 5.556, 5.252, 5.380, 5.361, 5.503, 5.271, 5.358, 5.574, 5.614, 5.568, 5.679, 5.340, 5.658, 5.290, 5.427, 5.431, 5.460, 5.378, 5.678, 5.409, 5.520, 5.282, 5.711, 5.495, 5.253, 5.318, 5.452, 5.442
18	5310	9	1	333	1	5.482, 5.442, 5.332, 5.394, 5.679, 5.472, 5.346, 5.355, 5.441, 5.403, 5.675, 5.425, 5.414, 5.569, 5.646, 5.289, 5.356, 5.699, 5.293, 5.720, 5.388, 5.259, 5.343, 5.588,

						5.450, 5.288, 5.445, 5.273, 5.657, 5.626, 5.266, 5.590, 5.501, 5.477, 5.298, 5.393, 5.312, 5.457, 5.539, 5.274, 5.678, 5.533, 5.543, 5.470, 5.489, 5.612, 5.671, 5.598, 5.380, 5.660, 5.352, 5.337, 5.359, 5.317, 5.506, 5.416, 5.607, 5.389, 5.685, 5.424, 5.460, 5.563, 5.330, 5.456, 5.724, 5.383, 5.467, 5.427, 5.666, 5.349, 5.503, 5.581, 5.381, 5.668, 5.434, 5.546, 5.275, 5.465, 5.404, 5.399, 5.410, 5.418, 5.715, 5.435, 5.326, 5.345, 5.334, 5.625, 5.304, 5.718, 5.513, 5.308, 5.449, 5.707, 5.604, 5.634, 5.320, 5.396, 5.711, 5.582
19	5310	9	1	333	1	5.485, 5.685, 5.630, 5.406, 5.321, 5.310, 5.393, 5.252, 5.723, 5.704, 5.582, 5.472, 5.314, 5.308, 5.569, 5.503, 5.324, 5.482, 5.632, 5.544, 5.550, 5.303, 5.385, 5.459, 5.344, 5.523, 5.538, 5.712, 5.368, 5.715, 5.596, 5.606, 5.356, 5.273, 5.645, 5.551, 5.295, 5.622, 5.603, 5.593, 5.590, 5.426, 5.514, 5.473, 5.402, 5.255, 5.486, 5.285, 5.533, 5.493, 5.683, 5.417, 5.425, 5.422, 5.709, 5.576, 5.571, 5.531, 5.654, 5.421, 5.453, 5.476, 5.651, 5.392, 5.355, 5.286, 5.376, 5.418, 5.678, 5.271, 5.497, 5.415, 5.268, 5.299, 5.658, 5.530, 5.410, 5.671, 5.465, 5.320, 5.452, 5.534, 5.397, 5.412, 5.467, 5.478, 5.527, 5.647, 5.447, 5.548, 5.480, 5.595, 5.366, 5.631, 5.365, 5.578, 5.528, 5.354, 5.525, 5.680
20	5310	9	1	333	1	5.343, 5.337, 5.388, 5.380, 5.648, 5.316, 5.293, 5.526, 5.259, 5.688, 5.386, 5.368, 5.684, 5.474, 5.456, 5.340, 5.559, 5.655, 5.322, 5.391, 5.716, 5.658, 5.567, 5.692, 5.580, 5.634, 5.557, 5.431, 5.404, 5.486, 5.619, 5.452, 5.369, 5.582, 5.464, 5.657, 5.690, 5.376, 5.679, 5.656, 5.671, 5.270, 5.713, 5.544, 5.465, 5.383, 5.483, 5.604, 5.721, 5.471, 5.715, 5.572, 5.549, 5.605, 5.317, 5.708, 5.331, 5.333, 5.527, 5.476, 5.609, 5.627, 5.594, 5.512, 5.329, 5.598, 5.294, 5.262, 5.405, 5.633, 5.644, 5.553, 5.400, 5.396, 5.543, 5.428, 5.537, 5.641, 5.586, 5.523, 5.639, 5.507, 5.667, 5.330, 5.558, 5.314, 5.574, 5.566, 5.568, 5.495, 5.300, 5.635, 5.521, 5.600, 5.433, 5.682, 5.401, 5.547, 5.714, 5.263
21	5310	9	1	333	1	5.377, 5.470, 5.592, 5.613, 5.553, 5.339, 5.578, 5.582, 5.558, 5.614, 5.261, 5.670, 5.394, 5.724, 5.342, 5.580, 5.627, 5.354, 5.629, 5.568, 5.631, 5.594, 5.605, 5.306, 5.519, 5.338, 5.390, 5.676, 5.690, 5.286, 5.535, 5.474, 5.331, 5.279, 5.678, 5.590, 5.587, 5.281, 5.575, 5.446, 5.612, 5.546, 5.623, 5.269, 5.395, 5.680, 5.268, 5.532, 5.469, 5.453, 5.451, 5.473, 5.275, 5.601, 5.556, 5.706, 5.561, 5.305, 5.607, 5.572, 5.296, 5.506, 5.637, 5.713, 5.507, 5.337, 5.347, 5.278, 5.322, 5.356, 5.375, 5.260, 5.400, 5.566, 5.638, 5.571, 5.493, 5.282,

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22	5310	9	1	333	1	5.609, 5.283, 5.304, 5.460, 5.523, 5.522, 5.376, 5.495, 5.297, 5.614, 5.262, 5.259, 5.599, 5.380, 5.386, 5.507, 5.273, 5.542, 5.432, 5.691, 5.370, 5.575, 5.627, 5.536, 5.621, 5.256, 5.264, 5.383, 5.624, 5.457, 5.570, 5.581, 5.646, 5.541, 5.375, 5.688, 5.573, 5.579, 5.554, 5.493, 5.352, 5.631, 5.425, 5.529, 5.673, 5.548, 5.317, 5.437, 5.699, 5.469, 5.482, 5.433, 5.602, 5.282, 5.477, 5.388, 5.687, 5.293, 5.572, 5.501, 5.587, 5.696, 5.669, 5.718, 5.686, 5.399, 5.441, 5.443, 5.395, 5.348, 5.639, 5.289, 5.487, 5.641, 5.530, 5.255, 5.320, 5.327, 5.492, 5.494, 5.550, 5.481, 5.598, 5.584, 5.578, 5.394, 5.532, 5.499, 5.313, 5.280, 5.562, 5.419, 5.710, 5.286, 5.378, 5.267, 5.620, 5.299, 5.467, 5.416
23	5310	9	1	333	1	5.506, 5.629, 5.251, 5.711, 5.425, 5.421, 5.256, 5.690, 5.644, 5.446, 5.562, 5.363, 5.461, 5.643, 5.280, 5.304, 5.372, 5.683, 5.306, 5.459, 5.519, 5.607, 5.602, 5.250, 5.639, 5.350, 5.641, 5.616, 5.412, 5.672, 5.580, 5.646, 5.533, 5.272, 5.549, 5.575, 5.618, 5.395, 5.687, 5.560, 5.720, 5.404, 5.679, 5.567, 5.628, 5.625, 5.487, 5.609, 5.362, 5.587, 5.310, 5.700, 5.698, 5.709, 5.578, 5.558, 5.367, 5.591, 5.320, 5.665, 5.408, 5.416, 5.723, 5.528, 5.498, 5.524, 5.621, 5.500, 5.517, 5.413, 5.263, 5.622, 5.330, 5.277, 5.275, 5.261, 5.513, 5.438, 5.368, 5.484, 5.532, 5.714, 5.463, 5.584, 5.270, 5.278, 5.512, 5.716, 5.443, 5.612, 5.561, 5.701, 5.568, 5.598, 5.650, 5.379, 5.259, 5.286, 5.706, 5.696
24	5310	9	1	333	1	5.252, 5.591, 5.443, 5.623, 5.562, 5.258, 5.267, 5.379, 5.464, 5.556, 5.467, 5.420, 5.698, 5.373, 5.350, 5.251, 5.358, 5.398, 5.632, 5.429, 5.594, 5.661, 5.488, 5.300, 5.456, 5.675, 5.557, 5.414, 5.615, 5.347, 5.451, 5.510, 5.666, 5.553, 5.428, 5.652, 5.564, 5.432, 5.531, 5.549, 5.508, 5.413, 5.646, 5.555, 5.566, 5.427, 5.307, 5.658, 5.368, 5.313, 5.667, 5.381, 5.681, 5.637, 5.631, 5.709, 5.540, 5.334, 5.523, 5.685, 5.322, 5.584, 5.571, 5.621, 5.580, 5.345, 5.295, 5.274, 5.411, 5.596, 5.687, 5.526, 5.309, 5.511, 5.721, 5.691, 5.536, 5.463, 5.341, 5.270, 5.701, 5.319, 5.677, 5.670, 5.543, 5.561, 5.518, 5.469, 5.524, 5.626, 5.287, 5.412, 5.587, 5.332, 5.516, 5.346, 5.676, 5.324, 5.329, 5.641
25	5310	9	1	333	1	5.634, 5.490, 5.506, 5.579, 5.631, 5.384, 5.265, 5.276, 5.530, 5.571, 5.646, 5.312, 5.567, 5.478, 5.434, 5.710, 5.462, 5.381, 5.613, 5.346, 5.598, 5.576, 5.372, 5.604, 5.417, 5.537, 5.409, 5.386, 5.640, 5.453,

						5.450, 5.424, 5.354, 5.466, 5.378, 5.499, 5.328, 5.674, 5.705, 5.283, 5.609, 5.717, 5.350, 5.383, 5.518, 5.457, 5.548, 5.495, 5.531, 5.498, 5.606, 5.523, 5.266, 5.695, 5.596, 5.473, 5.621, 5.430, 5.270, 5.672, 5.625, 5.566, 5.469, 5.481, 5.342, 5.503, 5.512, 5.484, 5.476, 5.573, 5.570, 5.459, 5.317, 5.714, 5.708, 5.629, 5.532, 5.404, 5.333, 5.651, 5.712, 5.628, 5.722, 5.410, 5.336, 5.575, 5.614, 5.632, 5.599, 5.429, 5.298, 5.432, 5.549, 5.601, 5.675, 5.535, 5.690, 5.399, 5.319, 5.692
26	5310	9	1	333	1	5.520, 5.674, 5.595, 5.676, 5.438, 5.686, 5.715, 5.591, 5.253, 5.361, 5.451, 5.384, 5.608, 5.289, 5.472, 5.327, 5.302, 5.705, 5.397, 5.422, 5.636, 5.412, 5.534, 5.528, 5.464, 5.632, 5.477, 5.317, 5.580, 5.270, 5.251, 5.554, 5.358, 5.678, 5.417, 5.300, 5.416, 5.582, 5.446, 5.599, 5.497, 5.329, 5.298, 5.307, 5.553, 5.322, 5.713, 5.566, 5.315, 5.540, 5.584, 5.381, 5.511, 5.656, 5.572, 5.426, 5.483, 5.552, 5.399, 5.284, 5.323, 5.640, 5.277, 5.495, 5.290, 5.661, 5.357, 5.262, 5.427, 5.546, 5.722, 5.434, 5.556, 5.559, 5.267, 5.484, 5.664, 5.355, 5.339, 5.644, 5.685, 5.575, 5.394, 5.585, 5.643, 5.452, 5.261, 5.704, 5.532, 5.675, 5.480, 5.389, 5.372, 5.295, 5.551, 5.617, 5.485, 5.400, 5.652, 5.570
27	5310	9	1	333	1	5.414, 5.366, 5.465, 5.394, 5.507, 5.277, 5.346, 5.596, 5.704, 5.706, 5.360, 5.421, 5.305, 5.464, 5.260, 5.713, 5.369, 5.701, 5.588, 5.578, 5.649, 5.513, 5.691, 5.458, 5.467, 5.381, 5.685, 5.333, 5.304, 5.582, 5.405, 5.720, 5.584, 5.396, 5.535, 5.296, 5.676, 5.651, 5.514, 5.448, 5.500, 5.648, 5.315, 5.556, 5.527, 5.520, 5.661, 5.387, 5.525, 5.597, 5.319, 5.539, 5.313, 5.668, 5.453, 5.573, 5.509, 5.508, 5.540, 5.256, 5.607, 5.468, 5.673, 5.340, 5.637, 5.628, 5.456, 5.457, 5.312, 5.567, 5.545, 5.657, 5.433, 5.721, 5.489, 5.314, 5.419, 5.427, 5.264, 5.621, 5.488, 5.479, 5.437, 5.635, 5.336, 5.652, 5.587, 5.662, 5.321, 5.682, 5.485, 5.338, 5.601, 5.484, 5.532, 5.407, 5.474, 5.347, 5.636, 5.541
28	5310	9	1	333	1	5.642, 5.694, 5.281, 5.651, 5.692, 5.325, 5.568, 5.645, 5.541, 5.579, 5.362, 5.588, 5.471, 5.431, 5.671, 5.298, 5.343, 5.574, 5.422, 5.562, 5.299, 5.434, 5.306, 5.397, 5.473, 5.597, 5.359, 5.429, 5.648, 5.412, 5.705, 5.719, 5.643, 5.577, 5.499, 5.572, 5.468, 5.654, 5.591, 5.432, 5.556, 5.716, 5.624, 5.313, 5.290, 5.335, 5.631, 5.336, 5.402, 5.438, 5.300, 5.455, 5.688, 5.307, 5.559, 5.263, 5.586, 5.722, 5.381, 5.349, 5.324, 5.518, 5.323, 5.578, 5.447, 5.316, 5.665, 5.382, 5.615, 5.451, 5.663, 5.375, 5.277, 5.590, 5.693, 5.294, 5.585, 5.295, 5.467, 5.686, 5.352, 5.510, 5.523, 5.358,

						5.555, 5.507, 5.303, 5.677, 5.632, 5.351, 5.264, 5.289, 5.443, 5.276, 5.357, 5.463, 5.647, 5.446, 5.368, 5.697
29	5310	9	1	333	1	5.623, 5.392, 5.254, 5.400, 5.283, 5.646, 5.351, 5.609, 5.327, 5.579, 5.369, 5.381, 5.602, 5.374, 5.606, 5.651, 5.549, 5.439, 5.605, 5.496, 5.724, 5.318, 5.581, 5.289, 5.284, 5.310, 5.460, 5.438, 5.567, 5.484, 5.518, 5.316, 5.387, 5.659, 5.537, 5.608, 5.451, 5.704, 5.671, 5.723, 5.456, 5.440, 5.568, 5.495, 5.703, 5.540, 5.347, 5.571, 5.616, 5.304, 5.722, 5.262, 5.591, 5.532, 5.269, 5.666, 5.522, 5.258, 5.264, 5.311, 5.707, 5.598, 5.389, 5.384, 5.715, 5.388, 5.315, 5.457, 5.320, 5.674, 5.520, 5.396, 5.433, 5.302, 5.349, 5.437, 5.477, 5.455, 5.463, 5.586, 5.305, 5.303, 5.692, 5.713, 5.492, 5.293, 5.615, 5.530, 5.557, 5.399, 5.365, 5.648, 5.699, 5.412, 5.516, 5.705, 5.361, 5.717, 5.335, 5.414
30	5310	9	1	333	1	5.331, 5.456, 5.643, 5.259, 5.321, 5.297, 5.527, 5.283, 5.473, 5.567, 5.365, 5.518, 5.532, 5.544, 5.378, 5.510, 5.695, 5.715, 5.437, 5.600, 5.465, 5.457, 5.347, 5.471, 5.490, 5.384, 5.611, 5.705, 5.683, 5.717, 5.443, 5.329, 5.513, 5.634, 5.628, 5.521, 5.363, 5.666, 5.526, 5.605, 5.677, 5.698, 5.278, 5.696, 5.530, 5.298, 5.579, 5.538, 5.525, 5.684, 5.722, 5.689, 5.681, 5.407, 5.710, 5.555, 5.620, 5.467, 5.463, 5.702, 5.349, 5.502, 5.557, 5.678, 5.613, 5.499, 5.466, 5.616, 5.546, 5.645, 5.488, 5.712, 5.433, 5.537, 5.392, 5.302, 5.364, 5.272, 5.439, 5.602, 5.460, 5.409, 5.483, 5.594, 5.274, 5.315, 5.497, 5.516, 5.498, 5.648, 5.406, 5.707, 5.621, 5.411, 5.361, 5.656, 5.372, 5.559, 5.553, 5.489

80MHz,

Radar SignalType	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A	15	100%	60%	pass
Type 1B	15	100%		
Type 2	30	100 %	60%	Pass
Type 3	30	100 %	60%	Pass
Type 4	30	100 %	60%	Pass
Aggregate(Type1 to 4)	120	100 %	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	61	1	878	1
2	5290	83	1	638	1
3	5290	78	1	678	1
4	5290	62	1	858	1
5	5290	74	1	718	1
6	5290	89	1	598	1
7	5290	70	1	758	1
8	5290	18	1	3066	1
9	5290	95	1	558	1
10	5290	67	1	798	1
11	5290	72	1	738	1
12	5290	58	1	918	1
13	5290	102	1	518	1
14	5290	98	1	538	1
15	5290	68	1	778	1
Detection Percentage: 100 % (>60%)					

Radar Type 1B Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	97	1	547	1
2	5290	31	1	1743	1
3	5290	54	1	983	1
4	5290	28	1	1889	1
5	5290	26	1	2033	1
6	5290	32	1	1692	1
7	5290	26	1	2086	1
8	5290	27	1	2010	1
9	5290	45	1	1178	1
10	5290	26	1	2043	1
11	5290	24	1	2206	1
12	5290	41	1	1314	1
13	5290	72	1	737	1
14	5290	29	1	1835	1
15	5290	65	1	821	1
Detection Percentage: 100 % (>60%)					

Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	28	3.8	174	1
2	5290	24	4.5	198	1
3	5290	24	3.8	199	1
4	5290	25	4.1	191	1
5	5290	24	4.5	150	1
6	5290	24	1.7	178	1
7	5290	28	1.6	168	1
8	5290	24	2.3	172	1
9	5290	25	1.1	172	1
10	5290	25	5	165	1
11	5290	26	2.5	178	1
12	5290	27	2.9	178	1
13	5290	26	3.7	151	1
14	5290	25	2.7	171	1
15	5290	27	3.3	172	1
16	5290	29	4.3	158	1
17	5290	24	1.7	186	1
18	5290	25	3.2	165	1
19	5290	24	3.3	171	1
20	5290	24	4.6	221	1
21	5290	24	4.6	195	1
22	5290	26	5	181	1
23	5290	27	3	211	1
24	5290	25	2.2	165	1
25	5290	28	4.8	159	1
26	5290	29	2.5	157	1
27	5290	28	1.9	181	1
28	5290	28	1.1	172	1
29	5290	27	3	179	1
30	5290	26	2.1	186	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	17	8.8	469	1
2	5290	17	7.8	483	1
3	5290	17	8.4	266	1
4	5290	17	6.2	319	1
5	5290	18	9.3	334	1
6	5290	18	7.2	334	1
7	5290	17	9.5	243	1
8	5290	17	9.1	383	1
9	5290	18	8	366	1
10	5290	17	9.2	342	1
11	5290	18	9.3	483	1
12	5290	16	8	300	1
13	5290	17	9.9	203	1
14	5290	17	7.3	418	1
15	5290	18	9.1	388	1
16	5290	17	8.8	380	1
17	5290	17	6.6	293	1
18	5290	16	9.9	259	1
19	5290	18	6.9	390	1
20	5290	17	8.2	394	1
21	5290	17	9.8	307	1
22	5290	18	6.6	376	1
23	5290	18	6.1	302	1
24	5290	16	6.3	446	1
25	5290	17	7.6	286	1
26	5290	17	6.4	472	1
27	5290	17	6.5	354	1
28	5290	17	9.1	230	1
29	5290	17	8.8	450	1
30	5290	17	9.8	411	1
Detection Percentage: 100 % (>60%)					

Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5290	15	11.2	320	1
2	5290	14	12.1	390	1
3	5290	12	15.7	433	1
4	5290	13	19	389	1
5	5290	13	13.1	210	1
6	5290	15	11.5	324	1
7	5290	15	17.3	374	1
8	5290	14	15	357	1
9	5290	15	12.4	459	1
10	5290	12	18.5	377	1
11	5290	15	12.3	229	1
12	5290	14	16.3	287	1
13	5290	15	13.6	269	1
14	5290	15	11.8	233	1
15	5290	14	18.8	277	1
16	5290	14	14.4	481	1
17	5290	15	13.7	411	1
18	5290	14	13.7	433	1
19	5290	14	19.8	348	1
20	5290	12	13.9	346	1
21	5290	12	17.1	272	1
22	5290	13	11.4	342	1
23	5290	14	18.2	298	1
24	5290	13	13.4	283	1
25	5290	12	11	441	1
26	5290	14	12.3	347	1
27	5290	13	18.6	404	1
28	5290	12	16.1	205	1
29	5290	15	19.7	279	1
30	5290	15	14	341	1
Detection Percentage: 100 % (>60%)					

Radar Type 5 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5290 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	6	78.8	1370	1601	531.665	1
2	1	6	64.4			254.34	
3	2	6	73.5	1605		56.67	
4	1	6	53.4			143.72	
5	3	6	72.4	1955	1248	476.08	
6	1	6	87.9			476.3	
7	3	6	62	1643	1447	459.57	
8	3	6	82.3	1467	1219	197.96	
9	1	6	51.2			76.66	
10	2	6	80.3	1278		645.98	
11	1	6	55.5			161.66	
12	1	6	66.7			552.08	
13	1	6	61.3			717.59	
14	3	6	70	1387	1144	307.4	
15	2	6	95.6	1390		140.8	
16	2	6	55.2	1243		602.6	

Statistics 2 (ChirpCenter Frequency: 5290 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	10	86.9	1772	1329	567.931	1
2	2	10	66.1	1888		240.717	
3	2	10	50.8	1586		270.864	
4	2	10	72.7	1767		676.971	
5	2	10	74.7	1470		363.709	
6	1	10	91.9			408.176	
7	1	10	64.7			233.973	
8	2	10	98.2	1484		297.29	
9	1	10	88.1			471.447	
10	3	10	93.1	1424	1219	183.564	
11	2	10	66.4	1911		162.711	
12	3	10	76.1	1139	1153	331.919	
13	2	10	50.9	1267		297.986	
14	2	10	61.2	1310		45.243	

Statistics 3 (ChirpCenter Frequency: 5290 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	9	55	1852		158.169	1
2	2	9	93.6	1786		418.193	
3	1	9	58.8			699.276	
4	3	9	85	1761	1842	761.409	
5	2	9	86.6	1982		406.622	
6	2	9	87.3	1914		581.485	
7	2	9	53.8	1668		343.948	
8	2	9	63	1122		471.582	
9	1	9	65			803.395	
10	2	9	51	1757		184.588	
11	2	9	53.1	1973		322.921	
12	2	9	81.6	1074		490.954	
13	2	9	76.3	1843		744.177	

Statistics 4 (ChirpCenter Frequency: 5290 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	15	60.8			578.661	1
2	1	15	60.9			222.838	
3	2	15	69.1	1220		4.762	
4	2	15	73.5	1017		77.873	
5	2	15	67	1511		344.544	
6	2	15	72.8	1990		40.045	
7	1	15	66.1			505.386	
8	1	15	95.1			268.607	
9	3	15	78.1	1473	1243	581.328	
10	2	15	70.5	1044		118.389	
11	2	15	99.4	1757		278.191	
12	3	15	50.7	1186	1204	17.052	
13	3	15	55.9	1177	1203	539.513	
14	1	15	58.2			92.834	
15	1	15	89.2			482.505	
16	1	15	96.7			189.016	
17	3	15	65.5	1211	1347	508.337	
18	1	15	67.3			154.258	
19	2	15	64.4	1999		511.179	

Statistics 5(ChirpCenter Frequency: 5290 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	14	67.3	1224	1751	112.89	1
2	1	14	70.3			245.627	
3	1	14	83.3			605.154	
4	1	14	84.5			554.591	
5	2	14	54.7	1583		143.149	
6	3	14	86	1610	1276	502.206	
7	3	14	63.9	1875	1295	616.753	
8	3	14	52.7	1711	1453	111.29	
9	3	14	59.4	1266	1023	729.867	
10	2	14	62.6	1998		258.524	
11	2	14	50.9	1568		600.831	
12	2	14	67.7	1762		491.549	
13	2	14	92.4	1882		794.986	
14	1	14	65.5			579.043	

Statistics 6 (ChirpCenter Frequency: 5290 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	16	71.9	1618	1657	82.202	1
2	1	16	90.1			281.74	
3	3	16	50.4	1138	1892	459.4	
4	1	16	69.1			489.3	
5	2	16	73.7	1423		397.91	
6	2	16	71.6	1999		592.81	
7	2	16	85.1	1109		685.67	
8	2	16	94.3	1284		270.13	
9	3	16	51	1382	1163	507.89	
10	1	16	63.8			18.6	
11	2	16	96.7	1220		568.07	
12	1	16	72.1			672.98	
13	2	16	91.8	2000		681.2	
14	2	16	68.2	1817		621	
15	2	16	72.5	1342		537.7	

Statistics 7(ChirpCenter Frequency: 5290 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	6	71.5	1885		429.613	1
2	1	6	80.4			215.983	
3	3	6	84.9	1289	1406	184.84	
4	3	6	55.6	1261	1691	423.44	
5	2	6	66.7	1820		69.04	
6	2	6	50.8	1018		508.9	
7	2	6	84.1	1267		352.22	
8	2	6	98.9	1549		20.43	
9	3	6	95.4	1984	1026	45.32	
10	1	6	62.6			143.43	
11	2	6	90.4	1033		458.34	
12	1	6	71.2			111.92	
13	2	6	65.1	1511		107.37	
14	2	6	97.3	1435		340.8	
15	3	6	90.3	1518	1064	314.19	
16	3	6	75.9	1368	1479	542.52	
17	3	6	75.1	1326	1220	421.4	
18	2	6	57.9	1096		366.3	
19	2	6	89.4	1095		397.6	
20	2	6	79.2	1768		449.1	

Statistics 8 (ChirpCenter Frequency: 5290 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	18	80.2	1772		1454.59	1
2	2	18	64.3	1340		224.1	
3	3	18	79.5	1931	1769	944.02	
4	2	18	50	1879		407.39	
5	3	18	51.8	1701	1086	739.4	
6	3	18	80.9	1733	1170	1420.97	
7	2	18	58.5	1153		869.28	
8	2	18	97.1	1239		56.9	

Statistics 9 (ChirpCenter Frequency: 5290 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	14	76.6			1156.75	1
2	2	14	74.2	1723		1284.387	
3	3	14	84.6	1169	1791	1174.433	
4	2	14	81.3	1725		259.28	
5	1	14	75.2			727.267	
6	2	14	77.6	1105		521.693	
7	1	14	90.5			1.27	
8	2	14	72.7	1196		588.787	
9	1	14	86.1			278.933	

Statistics 10 (ChirpCenter Frequency: 5290 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	5	56.6			313.009	1
2	2	5	90.4	1568		814.36	
3	3	5	95.4	1077	1474	967.16	
4	1	5	62.3			66.98	
5	3	5	76.5	1495	1237	969.55	
6	3	5	61.4	1322	1948	959.12	
7	2	5	70	1143		444.38	
8	1	5	80.5			481.42	
9	2	5	87	1352		800.13	
10	1	5	82.1			336.83	
11	2	5	72.2	1233		425.2	
12	2	5	51.8	1365		163.9	

Statistics 11 (ChirpCenter Frequency: 5257.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	14	82			159.844	1
2	2	14	83	1343		634.64	
3	2	14	77.7	1264		592.71	
4	3	14	52.5	1723	1401	459.57	
5	1	14	64.7			320.84	
6	1	14	91.1			188.19	
7	2	14	57.6	1988		738.53	
8	2	14	60.5	1096		51.66	
9	2	14	61.7	1130		141.2	
10	2	14	74	1460		131.72	
11	2	14	60.1	1164		78.99	
12	3	14	74.4	1055	1174	317.92	
13	3	14	57.4	1820	1521	162.45	
14	2	14	73.8	1093		306.6	
15	2	14	76.8	1613		92.5	
16	3	14	50.4	1942	1094	95.2	

Statistics 12 (ChirpCenter Frequency: 5254 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	5	71	1894	1485	479.666	1
2	2	5	62.4	1542		149.03	
3	2	5	54.2	1990		504.61	
4	2	5	56.7	1171		537.34	
5	3	5	73.7	1079	1746	1193.84	
6	1	5	89.2			61.92	
7	1	5	56.6			579.51	
8	2	5	93	1816		483.79	
9	3	5	92.7	1630	1506	173.52	
10	3	5	76.1	1556	1735	688.6	

Statistics 13 (ChirpCenter Frequency: 5259.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	18	94.9	1799		700.261	1
2	3	18	54.6	1021	1194	269.22	
3	2	18	54.4	1092		191.69	
4	1	18	71.2			386.68	
5	2	18	92.5	1966		571.61	
6	3	18	98.8	1378	1940	202.7	
7	2	18	98.4	1143		803.77	
8	2	18	78.2	1714		948.51	
9	2	18	91.3	1580		282.72	
10	2	18	83.8	1085		564.76	
11	2	18	75.4	1294		567.5	
12	2	18	67.8	1299		49.3	

Statistics 14 (ChirpCenter Frequency: 5259.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	18	92.6	1900		233.187	1
2	2	18	50.4	1097		609.841	
3	2	18	51.3	1101		648.652	
4	2	18	87.1	1806		255.693	
5	2	18	90.4	1732		952.044	
6	1	18	84.2			684.835	
7	3	18	90.7	1809	1456	517.995	
8	3	18	97	1624	1728	829.146	
9	1	18	78.9			928.767	
10	3	18	96.8	1908	1921	605.518	
11	3	18	84.3	1288	1436	507.009	

Statistics 15 (ChirpCenter Frequency: 5256.8 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	12	82.1	1053		237.587	1
2	2	12	52	1949		478.263	
3	1	12	74.6			304.097	
4	2	12	66.7	1543		487.51	
5	1	12	52			51.283	
6	3	12	62.7	1400	1589	99.607	
7	2	12	93.2	1343		460.47	
8	3	12	50.9	1432	1126	341.543	
9	3	12	77.6	1046	1183	468.497	
10	3	12	59.5	1280	1997	406.51	
11	2	12	69.4	1452		109.763	
12	2	12	81.2	1430		495.287	
13	1	12	67.8			121.73	
14	2	12	95.2	1318		545.193	
15	2	12	92.2	1039		448.977	
16	1	12	53			470.3	
17	2	12	53.5	1424		248.933	
18	3	12	57	1924	1653	579.467	

Statistics 16 (ChirpCenter Frequency: 5257.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	14	77.9			79.971	1
2	2	14	58.3	1207		485.35	
3	1	14	71.2			527.55	
4	1	14	84.5			279.9	
5	1	14	98.2			277.26	
6	2	14	50.1	1832		405.07	
7	2	14	64.1	1070		657.36	
8	1	14	87.2			207.06	
9	1	14	67.1			651.5	
10	3	14	74.3	1645	1271	561.21	
11	2	14	93.3	1863		606.28	
12	1	14	72.2			625.71	
13	1	14	58.7			289.76	
14	2	14	88.8	1660		273.6	
15	1	14	50.9			483.7	
16	1	14	54.2			195.1	

Statistics 17 (ChirpCenter Frequency: 5258.4 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	16	91.2	1244	1101	366.407	1
2	1	16	75			312.12	
3	1	16	92.4			442.53	
4	1	16	69.5			399.58	
5	2	16	57.2	1779		49.04	
6	3	16	97	1249	1817	381.9	
7	2	16	75.1	1189		160.01	
8	2	16	92.2	1117		574.14	
9	3	16	78.4	1015	1096	698.47	
10	3	16	97	1638	1820	604.84	
11	3	16	99.5	1292	1972	325.73	
12	3	16	77.1	1047	1325	291.11	
13	2	16	99.3	1921		619.11	
14	2	16	57.6	1259		697.4	
15	2	16	76.1	1483		118.4	
16	2	16	50.8	1305		651.1	

Statistics 18 (ChirpCenter Frequency: 5254 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	5	56.2	1971		313.532	1
2	1	5	66			408.35	
3	1	5	71			24.52	
4	1	5	91.1			476.65	
5	2	5	96.5	1348		261.11	
6	2	5	55.5	1801		741.98	
7	2	5	50.8	1569		263.65	
8	1	5	73.1			171.96	
9	2	5	68.9	1410		505.66	
10	2	5	64.6	1815		377.55	
11	2	5	65.4	1246		624.11	
12	3	5	92.1	1372	1605	492.96	
13	1	5	56.9			22.45	
14	2	5	96.2	1390		303.5	
15	2	5	93.3	1547		363.4	
16	2	5	56.4	1336		647.3	

Statistics 19 (ChirpCenter Frequency: 5254.4 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	6	69	1186		321.937	1
2	3	6	55.4	1043	1298	335.453	
3	3	6	63.5	1947	1183	465.197	
4	1	6	84.9			266.21	
5	2	6	73.8	1746		305.423	
6	2	6	58.6	1838		179.637	
7	1	6	63.2			245.64	
8	2	6	80.6	1788		403.453	
9	1	6	78.9			73.787	
10	2	6	64.8	1918		306.26	
11	3	6	93.4	1462	1586	177.743	
12	2	6	82.5	1053		598.267	
13	1	6	90.6			361.38	
14	1	6	76.4			521.563	
15	2	6	78.7	1830		466.877	
16	2	6	77.1	1699		247.8	
17	1	6	59.5			355.233	
18	1	6	97.5			319.067	

Statistics 20 (ChirpCenter Frequency: 5259.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	18	94.4			195.151	1
2	3	18	81.9	1413	1633	1042.811	
3	1	18	72.8			41.172	
4	2	18	81.2	1274		369.183	
5	1	18	79.6			1054.674	
6	2	18	87.1	1306		855.285	
7	1	18	86.8			461.215	
8	2	18	59.8	1298		688.056	
9	2	18	66	1037		957.647	
10	2	18	81.8	1016		450.618	
11	1	18	93.4			58.809	

Statistics 21 (ChirpCenter Frequency: 5322.4 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	14	72.8	1595	1965	445.764	1
2	1	14	78.3			44.673	
3	3	14	55.8	1125	1685	221.527	
4	1	14	93.9			231.49	
5	1	14	70.4			20.393	
6	1	14	88			26.777	
7	2	14	92.1	1541		408.64	
8	2	14	58.5	1085		246.083	
9	3	14	57.1	1150	1688	434.717	
10	2	14	84.7	1628		584.69	
11	3	14	69.2	1522	1890	16.583	
12	1	14	61.6			345.637	
13	3	14	62.9	1175	1121	378.11	
14	3	14	79.9	1932	1875	365.313	
15	2	14	70.6	1782		453.737	
16	2	14	84.5	1163		94.7	
17	2	14	97.7	1729		173.933	
18	3	14	66.4	1973	1721	578.067	

Statistics 22 (ChirpCenter Frequency: 5322.8 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	13	78.8	1550		796.708	1
2	2	13	91.1	1263		150.087	
3	1	13	69.1			210.784	
4	2	13	73.4	1415		69.101	
5	2	13	71.4	1735		851.109	
6	2	13	73.2	1136		148.306	
7	3	13	68.7	1817	1754	680.443	
8	3	13	68	1681	1239	396.06	
9	3	13	87.9	1968	1541	343.707	
10	2	13	92.8	1221		744.414	
11	2	13	83.9	1698		310.141	
12	1	13	92.6			749.829	
13	3	13	87.4	1113	1157	631.286	
14	3	13	86.1	1120	1050	19.143	

Statistics 23 (ChirpCenter Frequency: 5325.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	7	52.2	1253		385.057	1
2	3	7	99.2	1900	1828	223.36	
3	2	7	65.5	1237		934.88	
4	1	7	66.1			794.85	
5	1	7	75.9			980.02	
6	2	7	58.9	1134		802.24	
7	1	7	70.8			773.76	
8	2	7	61.7	1705		446.31	
9	2	7	63.2	1884		329.45	
10	2	7	50.9	1626		831.5	

Statistics 24 (ChirpCenter Frequency: 5322.8 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	13	75.3	1885		114.457	1
2	2	13	64.1	1255		664.543	
3	3	13	74.3	1505	1078	90.476	
4	1	13	51.4			111.219	
5	2	13	86.1	1978		414.622	
6	1	13	52.7			160.885	
7	3	13	80.9	1513	1913	105.358	
8	2	13	91	1608		703.442	
9	2	13	60.9	1993		632.825	
10	2	13	85.7	1137		462.248	
11	2	13	62	1973		86.541	
12	1	13	65.4			659.154	
13	2	13	67.7	1181		88.077	

Statistics 25 (ChirpCenter Frequency: 5324 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	10	69.6	1495		145.97	1
2	2	10	94.7	1352		435.47	
3	1	10	76.8			6.99	
4	2	10	75.6	1599		341.24	
5	2	10	59.8	1553		592.01	
6	2	10	80.6	1856		738.61	
7	1	10	58			117.1	
8	1	10	68.4			221.23	
9	2	10	82	1144		668.88	
10	2	10	96.1	1071		795.79	
11	1	10	51.7			902.4	
12	2	10	66.5	1857		357.1	

Statistics 26 (ChirpCenter Frequency: 5322 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	15	54.3	1625	1191	430.34	1
2	1	15	70.8			102.266	
3	2	15	53.4	1844		286.674	
4	1	15	75.7			537.421	
5	1	15	62.1			733.249	
6	3	15	89.5	1545	1492	131.256	
7	2	15	83.7	1118		7.513	
8	3	15	89.6	1510	1162	740.37	
9	2	15	55.1	1586		675.587	
10	3	15	52.5	1891	1791	694.664	
11	1	15	78			151.851	
12	2	15	92.4	1857		279.739	
13	2	15	75.6	1602		341.286	
14	3	15	72.4	1919	1736	468.843	

Statistics 27 (ChirpCenter Frequency: 5324.8 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	8	83.5	1466	1048	456.875	1
2	2	8	99.1	1025		676.611	
3	3	8	58.9	1981	1925	1076.042	
4	1	8	52.6			514.273	
5	1	8	81			397.334	
6	1	8	79.5			910.565	
7	3	8	66.9	1597	1162	821.875	
8	3	8	69.3	1273	1402	613.216	
9	1	8	86.3			502.917	
10	2	8	90.7	1482		607.418	
11	2	8	87.6	1653		266.309	

Statistics 28 (ChirpCenter Frequency: 5322 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	15	75.6	1478		391.452	1
2	3	15	97.5	1449	1639	46.785	
3	2	15	62.1	1016		509.49	
4	2	15	54.8	1821		204.29	
5	2	15	72.4	1964		371.9	
6	1	15	95.8			149.12	
7	1	15	51.9			345.7	
8	3	15	69	1945	1601	291.81	
9	2	15	67.2	1458		565.04	
10	3	15	51.7	1843	1027	540.35	
11	2	15	67.8	1909		260.9	
12	2	15	85.1	1071		230.63	
13	1	15	50.6			639.85	
14	3	15	79.4	1065	1860	384.1	
15	2	15	95.5	1445		188.9	
16	1	15	62.4			304.6	

Statistics 29 (ChirpCenter Frequency: 5322.8 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	13	54.5			354.497	1
2	3	13	52	1027	1664	629.26	
3	2	13	86.6	1192		848.67	
4	3	13	69.7	1158	1988	672.15	
5	1	13	55.1			663.36	
6	1	13	73.3			470.64	
7	1	13	92.1			317.43	
8	3	13	72.4	1788	1550	260.11	
9	3	13	81.2	1911	1609	509.78	
10	3	13	88	1522	1347	696.25	
11	1	13	89.9			420.8	
12	1	13	79			557.4	

Statistics 30 (ChirpCenter Frequency: 5321.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	16	96	1665		20.111	1
2	2	16	92.7	1090		579.911	
3	2	16	99.3	1571		299.852	
4	2	16	66.2	1265		164.813	
5	3	16	55.2	1593	1463	268.364	
6	3	16	96.7	1434	1968	243.355	
7	2	16	77	1704		415.736	
8	1	16	76.3			114.067	
9	1	16	65			414.068	
10	2	16	68.7	1276		295.159	
11	2	16	85.5	1303		32.551	
12	1	16	56.9			311.072	
13	2	16	75.3	1518		360.323	
14	2	16	89.1	1227		246.404	
15	1	16	81.9			56.745	
16	3	16	65.1	1061	1972	181.386	
17	1	16	64.7			283.337	
18	2	16	97.7	1920		141.158	
19	1	16	100			7.979	

Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence (GHz)
1	5290	9	1	333	1	5.431, 5.385, 5.630, 5.722, 5.658, 5.462, 5.476, 5.360, 5.333, 5.570, 5.713, 5.609, 5.564, 5.604, 5.478, 5.517, 5.299, 5.302, 5.427, 5.403, 5.512, 5.380, 5.701, 5.286, 5.676, 5.326, 5.282, 5.373, 5.315, 5.588, 5.545, 5.536, 5.688, 5.492, 5.469, 5.569, 5.650, 5.525, 5.592, 5.272, 5.720, 5.407, 5.366, 5.324, 5.426, 5.589, 5.679, 5.328, 5.687, 5.361, 5.255, 5.402, 5.661, 5.667, 5.531, 5.451, 5.338, 5.321, 5.466, 5.288, 5.429, 5.331, 5.465, 5.376, 5.686, 5.711, 5.448, 5.514, 5.584, 5.710, 5.624, 5.390, 5.271, 5.460, 5.540, 5.524, 5.637, 5.363, 5.567, 5.696, 5.551, 5.539, 5.677, 5.370, 5.533, 5.372, 5.563, 5.285, 5.583, 5.440, 5.486, 5.357, 5.256, 5.442, 5.379, 5.318, 5.704, 5.532, 5.305, 5.452
2	5290	9	1	333	1	5.308, 5.341, 5.625, 5.601, 5.645, 5.453, 5.385, 5.642, 5.392, 5.690, 5.253, 5.472, 5.599, 5.265, 5.486, 5.268, 5.473, 5.429, 5.637, 5.684, 5.573, 5.611, 5.658, 5.669, 5.714, 5.692, 5.297, 5.713, 5.346, 5.534, 5.309, 5.510, 5.720, 5.388, 5.618, 5.694, 5.549, 5.719, 5.355, 5.439, 5.478, 5.542, 5.682, 5.476, 5.410, 5.511, 5.501, 5.283, 5.678, 5.578, 5.666, 5.281, 5.561, 5.271, 5.487, 5.258, 5.540, 5.708, 5.626, 5.292, 5.360, 5.691, 5.680, 5.252, 5.497, 5.397, 5.437, 5.400, 5.306, 5.434, 5.566, 5.294, 5.665, 5.496, 5.307, 5.364, 5.335, 5.718, 5.562, 5.454, 5.356, 5.575, 5.660, 5.310, 5.463, 5.442, 5.494, 5.715, 5.413, 5.250, 5.315, 5.654, 5.532, 5.349, 5.58, 5.319, 5.481, 5.450, 5.597, 5.372
3	5290	9	1	333	1	5.463, 5.267, 5.560, 5.592, 5.719, 5.677, 5.641, 5.296, 5.254, 5.713, 5.374, 5.671, 5.405, 5.299, 5.370, 5.539, 5.499, 5.614, 5.503, 5.358, 5.564, 5.652, 5.694, 5.633, 5.418, 5.292, 5.404, 5.297, 5.675, 5.439, 5.408, 5.435, 5.681, 5.601, 5.711, 5.686, 5.715, 5.534, 5.473, 5.536, 5.360, 5.488, 5.428, 5.371, 5.542, 5.478, 5.482, 5.394, 5.544, 5.595, 5.502, 5.421, 5.303, 5.456, 5.304, 5.630, 5.490, 5.471, 5.331, 5.341, 5.579, 5.543, 5.386, 5.413, 5.437, 5.680, 5.342, 5.458, 5.495, 5.532, 5.448, 5.566, 5.390, 5.283, 5.638, 5.350, 5.380, 5.280, 5.683, 5.497, 5.585, 5.552, 5.523, 5.438, 5.547, 5.703, 5.433, 5.537, 5.261, 5.436, 5.395, 5.689, 5.290, 5.596, 5.409, 5.667, 5.309, 5.710, 5.625, 5.668
4	5290	9	1	333	1	5.295, 5.487, 5.274, 5.351, 5.349, 5.318, 5.341, 5.272, 5.704, 5.705, 5.334, 5.304,

						5.453, 5.458, 5.643, 5.615, 5.557, 5.527, 5.603, 5.610, 5.410, 5.570, 5.250, 5.377, 5.435, 5.491, 5.379, 5.348, 5.303, 5.564, 5.529, 5.622, 5.330, 5.677, 5.654, 5.645, 5.310, 5.490, 5.561, 5.608, 5.710, 5.479, 5.595, 5.426, 5.671, 5.308, 5.660, 5.331, 5.285, 5.494, 5.434, 5.463, 5.629, 5.637, 5.449, 5.381, 5.279, 5.284, 5.262, 5.639, 5.462, 5.541, 5.438, 5.649, 5.533, 5.258, 5.392, 5.590, 5.646, 5.683, 5.373, 5.539, 5.290, 5.633, 5.393, 5.617, 5.257, 5.578, 5.708, 5.534, 5.339, 5.346, 5.598, 5.691, 5.428, 5.359, 5.483, 5.715, 5.300, 5.369, 5.53, 5.309, 5.666, 5.673, 5.464, 5.648, 5.618, 5.517, 5.406, 5.723
5	5290	9	1	333	1	5.385, 5.387, 5.439, 5.422, 5.500, 5.257, 5.263, 5.547, 5.613, 5.549, 5.589, 5.637, 5.577, 5.642, 5.423, 5.632, 5.565, 5.259, 5.390, 5.498, 5.509, 5.330, 5.264, 5.680, 5.450, 5.282, 5.576, 5.292, 5.469, 5.501, 5.708, 5.476, 5.357, 5.492, 5.432, 5.517, 5.584, 5.714, 5.722, 5.408, 5.448, 5.623, 5.499, 5.254, 5.607, 5.407, 5.556, 5.515, 5.481, 5.566, 5.516, 5.553, 5.494, 5.475, 5.534, 5.465, 5.697, 5.704, 5.266, 5.474, 5.466, 5.636, 5.630, 5.351, 5.510, 5.527, 5.262, 5.724, 5.575, 5.289, 5.350, 5.605, 5.331, 5.590, 5.467, 5.552, 5.269, 5.255, 5.716, 5.307, 5.586, 5.681, 5.478, 5.646, 5.608, 5.653, 5.664, 5.404, 5.335, 5.411, 5.581, 5.690, 5.559, 5.508, 5.592, 5.398, 5.583, 5.620, 5.541, 5.430
6	5290	9	1	333	1	5.608, 5.382, 5.637, 5.724, 5.314, 5.302, 5.720, 5.551, 5.349, 5.671, 5.651, 5.441, 5.513, 5.643, 5.532, 5.519, 5.503, 5.346, 5.550, 5.712, 5.516, 5.326, 5.624, 5.285, 5.265, 5.423, 5.682, 5.338, 5.721, 5.319, 5.620, 5.510, 5.680, 5.478, 5.313, 5.410, 5.309, 5.718, 5.431, 5.546, 5.533, 5.568, 5.470, 5.708, 5.365, 5.429, 5.686, 5.350, 5.393, 5.535, 5.294, 5.461, 5.430, 5.638, 5.308, 5.642, 5.303, 5.610, 5.667, 5.607, 5.486, 5.282, 5.269, 5.701, 5.518, 5.426, 5.577, 5.713, 5.398, 5.394, 5.650, 5.571, 5.391, 5.580, 5.455, 5.586, 5.459, 5.298, 5.280, 5.521, 5.674, 5.484, 5.660, 5.335, 5.677, 5.632, 5.595, 5.327, 5.649, 5.630, 5.646, 5.274, 5.413, 5.351, 5.299, 5.252, 5.663, 5.511, 5.626, 5.612
7	5290	9	1	333	1	5.286, 5.544, 5.298, 5.396, 5.596, 5.477, 5.309, 5.340, 5.401, 5.678, 5.463, 5.716, 5.515, 5.346, 5.556, 5.439, 5.623, 5.593, 5.518, 5.655, 5.438, 5.696, 5.485, 5.484, 5.640, 5.466, 5.297, 5.408, 5.569, 5.447, 5.395, 5.673, 5.352, 5.685, 5.553, 5.521, 5.500, 5.671, 5.372, 5.651, 5.689, 5.264, 5.598, 5.281, 5.339, 5.606, 5.410, 5.388, 5.414, 5.318, 5.493, 5.356, 5.367, 5.269, 5.516, 5.578, 5.291, 5.392, 5.357, 5.373, 5.275, 5.587, 5.328, 5.600, 5.619, 5.481,

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8	5290	9	1	333	1	5.464, 5.536, 5.437, 5.365, 5.691, 5.467, 5.487, 5.452, 5.409, 5.339, 5.544, 5.492, 5.321, 5.476, 5.442, 5.465, 5.701, 5.490, 5.456, 5.533, 5.272, 5.707, 5.592, 5.327, 5.449, 5.573, 5.324, 5.286, 5.354, 5.317, 5.676, 5.618, 5.360, 5.631, 5.687, 5.585, 5.455, 5.352, 5.604, 5.543, 5.529, 5.281, 5.598, 5.534, 5.430, 5.662, 5.505, 5.664, 5.690, 5.294, 5.270, 5.694, 5.309, 5.477, 5.338, 5.722, 5.635, 5.637, 5.530, 5.302, 5.649, 5.568, 5.685, 5.361, 5.607, 5.370, 5.343, 5.448, 5.678, 5.446, 5.714, 5.384, 5.589, 5.425, 5.394, 5.329, 5.478, 5.433, 5.648, 5.639, 5.399, 5.528, 5.497, 5.480, 5.630, 5.647, 5.619, 5.580, 5.428, 5.695, 5.250, 5.686, 5.256, 5.491, 5.388, 5.445, 5.502, 5.406, 5.473, 5.646
9	5290	9	1	333	1	5.514, 5.642, 5.703, 5.619, 5.446, 5.402, 5.520, 5.580, 5.357, 5.450, 5.432, 5.289, 5.273, 5.376, 5.325, 5.635, 5.717, 5.486, 5.400, 5.305, 5.279, 5.467, 5.367, 5.383, 5.442, 5.567, 5.575, 5.374, 5.606, 5.445, 5.557, 5.471, 5.597, 5.670, 5.282, 5.515, 5.353, 5.603, 5.720, 5.584, 5.632, 5.418, 5.496, 5.435, 5.614, 5.447, 5.643, 5.330, 5.448, 5.368, 5.434, 5.428, 5.662, 5.267, 5.546, 5.684, 5.382, 5.299, 5.275, 5.350, 5.492, 5.332, 5.550, 5.577, 5.253, 5.709, 5.412, 5.399, 5.414, 5.487, 5.254, 5.605, 5.553, 5.343, 5.316, 5.424, 5.644, 5.257, 5.529, 5.396, 5.430, 5.388, 5.387, 5.416, 5.661, 5.449, 5.538, 5.262, 5.469, 5.711, 5.681, 5.688, 5.628, 5.724, 5.708, 5.645, 5.505, 5.563, 5.380, 5.576
10	5290	9	1	333	1	5.355, 5.620, 5.319, 5.559, 5.655, 5.582, 5.553, 5.499, 5.574, 5.305, 5.716, 5.650, 5.368, 5.432, 5.316, 5.528, 5.268, 5.366, 5.451, 5.676, 5.541, 5.680, 5.706, 5.489, 5.626, 5.707, 5.339, 5.656, 5.273, 5.601, 5.337, 5.408, 5.280, 5.639, 5.389, 5.292, 5.638, 5.372, 5.298, 5.440, 5.611, 5.603, 5.624, 5.453, 5.422, 5.608, 5.430, 5.353, 5.322, 5.427, 5.264, 5.700, 5.643, 5.403, 5.645, 5.615, 5.558, 5.490, 5.520, 5.555, 5.467, 5.462, 5.359, 5.424, 5.513, 5.303, 5.518, 5.326, 5.488, 5.636, 5.437, 5.423, 5.654, 5.521, 5.449, 5.475, 5.297, 5.413, 5.684, 5.616, 5.325, 5.286, 5.418, 5.314, 5.493, 5.300, 5.510, 5.576, 5.304, 5.543, 5.719, 5.290, 5.460, 5.482, 5.465, 5.371, 5.551, 5.524, 5.484, 5.549
11	5290	9	1	333	1	5.571, 5.400, 5.550, 5.435, 5.482, 5.457, 5.712, 5.717, 5.510, 5.479, 5.496, 5.361, 5.692, 5.595, 5.384, 5.566, 5.677, 5.598,

						5.303, 5.678, 5.407, 5.674, 5.515, 5.625, 5.707, 5.581, 5.271, 5.586, 5.424, 5.513, 5.282, 5.603, 5.542, 5.275, 5.319, 5.549, 5.302, 5.629, 5.431, 5.307, 5.408, 5.654, 5.617, 5.584, 5.432, 5.469, 5.255, 5.665, 5.547, 5.554, 5.252, 5.415, 5.685, 5.521, 5.323, 5.706, 5.491, 5.546, 5.476, 5.686, 5.567, 5.443, 5.660, 5.492, 5.448, 5.693, 5.401, 5.281, 5.480, 5.346, 5.402, 5.637, 5.411, 5.398, 5.652, 5.320, 5.528, 5.358, 5.718, 5.535, 5.570, 5.399, 5.656, 5.440, 5.354, 5.321, 5.699, 5.257, 5.410, 5.721, 5.439, 5.301, 5.267, 5.450, 5.555, 5.696, 5.468, 5.627, 5.403, 5.380
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13	5290	9	1	333	1	5.379, 5.424, 5.656, 5.302, 5.299, 5.607, 5.693, 5.463, 5.647, 5.359, 5.297, 5.578, 5.539, 5.682, 5.371, 5.333, 5.603, 5.554, 5.339, 5.587, 5.328, 5.362, 5.557, 5.591, 5.264, 5.484, 5.673, 5.716, 5.329, 5.564, 5.443, 5.341, 5.253, 5.518, 5.469, 5.324, 5.260, 5.436, 5.711, 5.546, 5.415, 5.358, 5.298, 5.271, 5.375, 5.411, 5.315, 5.430, 5.697, 5.511, 5.482, 5.636, 5.391, 5.321, 5.368, 5.344, 5.582, 5.611, 5.658, 5.543, 5.627, 5.721, 5.372, 5.367, 5.598, 5.404, 5.487, 5.464, 5.710, 5.596, 5.589, 5.674, 5.351, 5.600, 5.575, 5.541, 5.537, 5.691, 5.471, 5.457, 5.284, 5.654, 5.479, 5.309, 5.438, 5.562, 5.405, 5.386, 5.314, 5.353, 5.660, 5.699, 5.336, 5.571, 5.631, 5.258, 5.377, 5.614, 5.565, 5.579
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15	5290	9	1	333	1	5.652, 5.262, 5.303, 5.527, 5.721, 5.581, 5.507, 5.481, 5.673, 5.643, 5.669, 5.414, 5.399, 5.712, 5.668, 5.312, 5.550, 5.700, 5.380, 5.571, 5.390, 5.537, 5.610, 5.536, 5.343, 5.278, 5.620, 5.474, 5.437, 5.344, 5.387, 5.542, 5.591, 5.428, 5.482, 5.540, 5.301, 5.553, 5.333, 5.391, 5.445, 5.490, 5.362, 5.623, 5.276, 5.406, 5.484, 5.568, 5.454, 5.456, 5.541, 5.470, 5.640, 5.548, 5.499, 5.331, 5.514, 5.696, 5.609, 5.511, 5.349, 5.701, 5.529, 5.590, 5.347, 5.351, 5.495, 5.385, 5.644, 5.457, 5.371, 5.318, 5.691, 5.364, 5.339, 5.502, 5.334, 5.254, 5.287, 5.504, 5.555, 5.270, 5.403, 5.587, 5.526, 5.521, 5.671, 5.534, 5.370, 5.441, 5.359, 5.377, 5.604, 5.471, 5.554, 5.646, 5.451, 5.487, 5.328, 5.367
16	5290	9	1	333	1	5.469, 5.679, 5.553, 5.279, 5.667, 5.526, 5.493, 5.619, 5.549, 5.455, 5.302, 5.344, 5.483, 5.423, 5.305, 5.537, 5.329, 5.310, 5.718, 5.615, 5.664, 5.267, 5.660, 5.378, 5.266, 5.546, 5.276, 5.426, 5.311, 5.605, 5.250, 5.617, 5.312, 5.461, 5.319, 5.301, 5.394, 5.411, 5.578, 5.508, 5.282, 5.663, 5.416, 5.597, 5.297, 5.582, 5.450, 5.702, 5.424, 5.324, 5.495, 5.506, 5.283, 5.672, 5.577, 5.689, 5.601, 5.412, 5.502, 5.681, 5.584, 5.700, 5.330, 5.534, 5.257, 5.640, 5.395, 5.420, 5.308, 5.357, 5.492, 5.314, 5.254, 5.388, 5.281, 5.323, 5.414, 5.338, 5.639, 5.665, 5.397, 5.304, 5.382, 5.510, 5.587, 5.400, 5.610, 5.651, 5.552, 5.430, 5.287, 5.614, 5.724, 5.402, 5.264, 5.621, 5.655, 5.623, 5.328, 5.286
17	5290	9	1	333	1	5.477, 5.476, 5.355, 5.415, 5.523, 5.669, 5.323, 5.564, 5.462, 5.345, 5.434, 5.579, 5.328, 5.381, 5.489, 5.284, 5.441, 5.529, 5.452, 5.493, 5.370, 5.576, 5.335, 5.577, 5.315, 5.563, 5.426, 5.547, 5.475, 5.256, 5.350, 5.559, 5.643, 5.427, 5.569, 5.535, 5.602, 5.406, 5.651, 5.659, 5.486, 5.666, 5.719, 5.633, 5.635, 5.613, 5.403, 5.387, 5.590, 5.581, 5.566, 5.539, 5.275, 5.536, 5.703, 5.397, 5.454, 5.309, 5.537, 5.364, 5.516, 5.497, 5.468, 5.685, 5.409, 5.648, 5.317, 5.289, 5.562, 5.636, 5.712, 5.332, 5.556, 5.320, 5.632, 5.711, 5.687, 5.327, 5.641, 5.368, 5.322, 5.598, 5.625, 5.561, 5.428, 5.316, 5.582, 5.488, 5.389, 5.467, 5.699, 5.518, 5.436, 5.531, 5.589, 5.565, 5.429, 5.608, 5.458, 5.722
18	5290	9	1	333	1	5.385, 5.397, 5.532, 5.414, 5.280, 5.332, 5.689, 5.431, 5.522, 5.577, 5.269, 5.477, 5.344, 5.524, 5.367, 5.581, 5.576, 5.686, 5.439, 5.454, 5.258, 5.603, 5.476, 5.341,

						5.271, 5.302, 5.448, 5.319, 5.612, 5.523, 5.462, 5.520, 5.667, 5.515, 5.641, 5.383, 5.637, 5.299, 5.404, 5.507, 5.561, 5.490, 5.347, 5.352, 5.390, 5.708, 5.648, 5.449, 5.403, 5.638, 5.421, 5.311, 5.702, 5.324, 5.354, 5.579, 5.516, 5.493, 5.468, 5.503, 5.554, 5.444, 5.377, 5.548, 5.666, 5.298, 5.255, 5.558, 5.642, 5.585, 5.364, 5.464, 5.682, 5.420, 5.588, 5.458, 5.417, 5.264, 5.343, 5.654, 5.587, 5.436, 5.693, 5.527, 5.664, 5.615, 5.498, 5.290, 5.442, 5.291, 5.704, 5.719, 5.317, 5.574, 5.331, 5.461, 5.640, 5.453, 5.282, 5.665
19	5290	9	1	333	1	5.297, 5.606, 5.425, 5.697, 5.333, 5.555, 5.319, 5.609, 5.361, 5.516, 5.615, 5.368, 5.619, 5.648, 5.493, 5.662, 5.703, 5.314, 5.330, 5.453, 5.477, 5.331, 5.272, 5.498, 5.602, 5.673, 5.628, 5.538, 5.563, 5.295, 5.605, 5.718, 5.324, 5.567, 5.534, 5.379, 5.252, 5.512, 5.445, 5.417, 5.354, 5.717, 5.557, 5.254, 5.251, 5.554, 5.683, 5.258, 5.639, 5.655, 5.585, 5.414, 5.487, 5.463, 5.676, 5.519, 5.429, 5.280, 5.313, 5.663, 5.706, 5.334, 5.275, 5.374, 5.346, 5.300, 5.375, 5.398, 5.712, 5.709, 5.590, 5.649, 5.322, 5.556, 5.638, 5.546, 5.289, 5.418, 5.390, 5.598, 5.667, 5.371, 5.723, 5.698, 5.646, 5.395, 5.547, 5.504, 5.530, 5.506, 5.488, 5.421, 5.380, 5.339, 5.458, 5.685, 5.526, 5.510, 5.424, 5.677
20	5290	9	1	333	1	5.557, 5.675, 5.478, 5.587, 5.509, 5.440, 5.570, 5.282, 5.609, 5.546, 5.575, 5.331, 5.408, 5.434, 5.280, 5.364, 5.578, 5.620, 5.279, 5.619, 5.251, 5.567, 5.722, 5.252, 5.502, 5.614, 5.589, 5.413, 5.596, 5.585, 5.645, 5.558, 5.677, 5.650, 5.598, 5.276, 5.668, 5.497, 5.621, 5.409, 5.378, 5.582, 5.520, 5.652, 5.601, 5.308, 5.307, 5.355, 5.255, 5.385, 5.527, 5.287, 5.534, 5.368, 5.500, 5.309, 5.456, 5.517, 5.393, 5.415, 5.389, 5.344, 5.586, 5.661, 5.370, 5.562, 5.342, 5.348, 5.329, 5.648, 5.302, 5.707, 5.566, 5.382, 5.443, 5.322, 5.524, 5.597, 5.388, 5.438, 5.535, 5.643, 5.461, 5.688, 5.290, 5.615, 5.266, 5.315, 5.548, 5.594, 5.499, 5.542, 5.301, 5.349, 5.559, 5.371, 5.672, 5.539, 5.665, 5.662
21	5290	9	1	333	1	5.618, 5.282, 5.371, 5.650, 5.481, 5.512, 5.319, 5.257, 5.317, 5.565, 5.583, 5.461, 5.303, 5.437, 5.424, 5.261, 5.455, 5.482, 5.255, 5.506, 5.472, 5.292, 5.429, 5.370, 5.668, 5.492, 5.327, 5.602, 5.297, 5.396, 5.577, 5.705, 5.458, 5.624, 5.368, 5.581, 5.536, 5.614, 5.495, 5.385, 5.496, 5.464, 5.254, 5.316, 5.421, 5.500, 5.704, 5.279, 5.476, 5.403, 5.300, 5.647, 5.398, 5.504, 5.299, 5.657, 5.584, 5.304, 5.715, 5.412, 5.672, 5.688, 5.362, 5.686, 5.296, 5.594, 5.384, 5.711, 5.333, 5.673, 5.423, 5.567, 5.588, 5.617, 5.328, 5.436, 5.290, 5.548,

						5.460, 5.379, 5.600, 5.598, 5.590, 5.716, 5.441, 5.616, 5.628, 5.347, 5.406, 5.397, 5.356, 5.712, 5.507, 5.710, 5.667, 5.302, 5.694, 5.264, 5.549, 5.652
22	5290	9	1	333	1	5.278, 5.301, 5.565, 5.537, 5.591, 5.623, 5.275, 5.469, 5.315, 5.252, 5.345, 5.328, 5.444, 5.388, 5.557, 5.614, 5.271, 5.570, 5.471, 5.350, 5.609, 5.258, 5.594, 5.451, 5.606, 5.599, 5.693, 5.578, 5.529, 5.263, 5.347, 5.615, 5.587, 5.703, 5.527, 5.548, 5.629, 5.647, 5.721, 5.457, 5.511, 5.319, 5.616, 5.292, 5.497, 5.269, 5.440, 5.558, 5.274, 5.412, 5.713, 5.620, 5.630, 5.664, 5.383, 5.627, 5.722, 5.261, 5.267, 5.640, 5.341, 5.719, 5.458, 5.631, 5.576, 5.562, 5.415, 5.414, 5.454, 5.677, 5.398, 5.337, 5.387, 5.705, 5.277, 5.621, 5.692, 5.442, 5.251, 5.393, 5.355, 5.541, 5.448, 5.542, 5.698, 5.422, 5.608, 5.714, 5.472, 5.465, 5.265, 5.430, 5.672, 5.641, 5.373, 5.384, 5.652, 5.254, 5.715, 5.533
23	5290	9	1	333	1	5.445, 5.693, 5.501, 5.597, 5.361, 5.712, 5.313, 5.611, 5.577, 5.256, 5.513, 5.380, 5.276, 5.548, 5.471, 5.699, 5.319, 5.251, 5.560, 5.564, 5.444, 5.338, 5.653, 5.281, 5.472, 5.672, 5.665, 5.520, 5.604, 5.469, 5.464, 5.344, 5.329, 5.465, 5.683, 5.369, 5.716, 5.425, 5.346, 5.647, 5.372, 5.641, 5.312, 5.327, 5.294, 5.391, 5.429, 5.643, 5.299, 5.437, 5.351, 5.559, 5.715, 5.470, 5.307, 5.468, 5.283, 5.305, 5.511, 5.495, 5.721, 5.349, 5.453, 5.278, 5.531, 5.386, 5.378, 5.268, 5.524, 5.301, 5.272, 5.536, 5.277, 5.508, 5.637, 5.585, 5.646, 5.484, 5.323, 5.392, 5.565, 5.620, 5.626, 5.396, 5.402, 5.522, 5.377, 5.638, 5.401, 5.694, 5.627, 5.534, 5.650, 5.350, 5.592, 5.535, 5.644, 5.571, 5.516, 5.697
24	5290	9	1	333	1	5.546, 5.653, 5.302, 5.330, 5.531, 5.437, 5.689, 5.338, 5.637, 5.313, 5.587, 5.392, 5.316, 5.275, 5.584, 5.598, 5.443, 5.572, 5.445, 5.427, 5.311, 5.432, 5.511, 5.698, 5.605, 5.308, 5.429, 5.573, 5.404, 5.391, 5.348, 5.490, 5.493, 5.379, 5.468, 5.553, 5.552, 5.263, 5.565, 5.305, 5.440, 5.411, 5.295, 5.590, 5.402, 5.335, 5.426, 5.632, 5.599, 5.434, 5.597, 5.325, 5.384, 5.270, 5.661, 5.407, 5.385, 5.344, 5.614, 5.386, 5.586, 5.602, 5.690, 5.457, 5.676, 5.415, 5.711, 5.304, 5.477, 5.447, 5.591, 5.416, 5.509, 5.251, 5.502, 5.589, 5.254, 5.542, 5.581, 5.441, 5.395, 5.649, 5.472, 5.333, 5.544, 5.516, 5.487, 5.393, 5.621, 5.521, 5.659, 5.513, 5.428, 5.679, 5.401, 5.537, 5.570, 5.423, 5.662, 5.604
25	5290	9	1	333	1	5.390, 5.478, 5.396, 5.653, 5.406, 5.652, 5.488, 5.300, 5.544, 5.689, 5.693, 5.512, 5.558, 5.589, 5.548, 5.335, 5.514, 5.667, 5.370, 5.541, 5.361, 5.669, 5.687, 5.368, 5.289, 5.592, 5.505, 5.430, 5.612, 5.679,

						5.615, 5.574, 5.364, 5.471, 5.713, 5.607, 5.392, 5.260, 5.540, 5.722, 5.649, 5.661, 5.348, 5.598, 5.453, 5.303, 5.719, 5.613, 5.318, 5.717, 5.640, 5.724, 5.415, 5.345, 5.287, 5.563, 5.286, 5.481, 5.672, 5.723, 5.426, 5.376, 5.362, 5.493, 5.411, 5.419, 5.403, 5.676, 5.408, 5.486, 5.572, 5.298, 5.692, 5.367, 5.373, 5.526, 5.405, 5.353, 5.382, 5.476, 5.636, 5.449, 5.584, 5.511, 5.718, 5.424, 5.600, 5.510, 5.506, 5.343, 5.366, 5.342, 5.521, 5.577, 5.272, 5.257, 5.616, 5.601, 5.628, 5.626
26	5290	9	1	333	1	5.645, 5.385, 5.623, 5.375, 5.495, 5.366, 5.721, 5.540, 5.493, 5.339, 5.640, 5.331, 5.630, 5.432, 5.687, 5.313, 5.348, 5.502, 5.426, 5.330, 5.370, 5.275, 5.663, 5.285, 5.669, 5.718, 5.567, 5.616, 5.408, 5.586, 5.563, 5.301, 5.692, 5.710, 5.700, 5.394, 5.547, 5.329, 5.513, 5.557, 5.352, 5.580, 5.321, 5.263, 5.654, 5.342, 5.693, 5.482, 5.380, 5.291, 5.451, 5.612, 5.601, 5.507, 5.341, 5.354, 5.558, 5.556, 5.477, 5.308, 5.703, 5.551, 5.521, 5.306, 5.598, 5.333, 5.694, 5.281, 5.283, 5.699, 5.698, 5.264, 5.472, 5.702, 5.418, 5.490, 5.681, 5.594, 5.400, 5.548, 5.376, 5.508, 5.390, 5.705, 5.618, 5.585, 5.388, 5.617, 5.372, 5.441, 5.384, 5.676, 5.434, 5.671, 5.475, 5.269, 5.535, 5.500, 5.416, 5.460
27	5290	9	1	333	1	5.549, 5.479, 5.617, 5.620, 5.439, 5.256, 5.427, 5.449, 5.667, 5.413, 5.518, 5.442, 5.460, 5.724, 5.368, 5.497, 5.546, 5.505, 5.615, 5.357, 5.399, 5.609, 5.288, 5.282, 5.601, 5.426, 5.363, 5.558, 5.639, 5.330, 5.671, 5.273, 5.605, 5.272, 5.268, 5.578, 5.636, 5.328, 5.513, 5.290, 5.658, 5.404, 5.641, 5.612, 5.681, 5.339, 5.263, 5.509, 5.354, 5.402, 5.682, 5.589, 5.614, 5.388, 5.420, 5.660, 5.537, 5.306, 5.260, 5.493, 5.563, 5.599, 5.455, 5.595, 5.324, 5.646, 5.356, 5.381, 5.715, 5.380, 5.458, 5.607, 5.520, 5.547, 5.619, 5.716, 5.565, 5.523, 5.451, 5.635, 5.483, 5.474, 5.501, 5.688, 5.628, 5.429, 5.717, 5.410, 5.582, 5.637, 5.650, 5.561, 5.664, 5.459, 5.535, 5.504, 5.310, 5.269, 5.351, 5.634
28	5290	9	1	333	1	5.528, 5.572, 5.313, 5.384, 5.312, 5.541, 5.511, 5.331, 5.693, 5.502, 5.521, 5.480, 5.348, 5.667, 5.685, 5.681, 5.710, 5.476, 5.333, 5.639, 5.552, 5.534, 5.585, 5.540, 5.452, 5.589, 5.433, 5.285, 5.623, 5.402, 5.581, 5.483, 5.260, 5.556, 5.522, 5.278, 5.489, 5.499, 5.637, 5.716, 5.385, 5.279, 5.282, 5.629, 5.307, 5.303, 5.721, 5.553, 5.473, 5.311, 5.318, 5.624, 5.633, 5.394, 5.531, 5.437, 5.261, 5.491, 5.512, 5.441, 5.456, 5.435, 5.398, 5.664, 5.403, 5.683, 5.314, 5.562, 5.680, 5.695, 5.536, 5.460, 5.296, 5.354, 5.515, 5.690, 5.659, 5.332, 5.343, 5.478, 5.501, 5.445, 5.413, 5.290,

						5.687, 5.299, 5.614, 5.603, 5.557, 5.607, 5.575, 5.670, 5.580, 5.459, 5.672, 5.397, 5.682, 5.704, 5.365, 5.655
29	5290	9	1	333	1	5.295, 5.513, 5.680, 5.652, 5.366, 5.259, 5.297, 5.358, 5.323, 5.709, 5.345, 5.646, 5.328, 5.616, 5.565, 5.326, 5.537, 5.442, 5.544, 5.643, 5.650, 5.379, 5.289, 5.491, 5.497, 5.587, 5.338, 5.572, 5.599, 5.408, 5.264, 5.679, 5.630, 5.346, 5.678, 5.543, 5.642, 5.601, 5.533, 5.611, 5.521, 5.688, 5.716, 5.517, 5.700, 5.419, 5.633, 5.609, 5.542, 5.668, 5.604, 5.715, 5.600, 5.316, 5.313, 5.706, 5.719, 5.640, 5.305, 5.594, 5.444, 5.409, 5.677, 5.309, 5.546, 5.553, 5.414, 5.268, 5.471, 5.431, 5.348, 5.624, 5.550, 5.492, 5.655, 5.534, 5.634, 5.388, 5.615, 5.315, 5.416, 5.651, 5.280, 5.632, 5.687, 5.645, 5.703, 5.487, 5.433, 5.467, 5.665, 5.292, 5.714, 5.602, 5.617, 5.694, 5.519, 5.657, 5.566, 5.368
30	5290	9	1	333	1	5.380, 5.278, 5.446, 5.529, 5.327, 5.620, 5.580, 5.288, 5.252, 5.472, 5.385, 5.369, 5.555, 5.395, 5.332, 5.603, 5.524, 5.323, 5.441, 5.497, 5.667, 5.445, 5.511, 5.337, 5.597, 5.422, 5.711, 5.664, 5.506, 5.612, 5.463, 5.286, 5.512, 5.578, 5.534, 5.319, 5.558, 5.251, 5.643, 5.618, 5.489, 5.453, 5.670, 5.641, 5.481, 5.490, 5.651, 5.724, 5.324, 5.720, 5.454, 5.290, 5.295, 5.474, 5.277, 5.409, 5.617, 5.563, 5.402, 5.403, 5.527, 5.375, 5.528, 5.339, 5.642, 5.330, 5.710, 5.499, 5.467, 5.282, 5.708, 5.367, 5.326, 5.266, 5.408, 5.420, 5.386, 5.470, 5.579, 5.544, 5.722, 5.300, 5.255, 5.442, 5.318, 5.627, 5.371, 5.430, 5.582, 5.304, 5.308, 5.645, 5.567, 5.411, 5.548, 5.588, 5.556, 5.370, 5.374, 5.653

5470-5725MHz, 20MHz Bandwidth

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

Please refer to the following statistical tables:

Radar Type 1A Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5500	74	1	718	1
2	5500	70	1	758	1
3	5500	57	1	938	1
4	5500	59	1	898	1
5	5500	65	1	818	1
6	5500	92	1	578	1
7	5500	76	1	698	1
8	5500	83	1	638	1
9	5500	58	1	918	1
10	5500	18	1	3066	1
11	5500	78	1	678	1
12	5500	86	1	618	1
13	5500	95	1	558	1
14	5500	63	1	838	1
15	5500	67	1	798	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	5500	49	1	1079	1
2	5500	19	1	2891	1
3	5500	25	1	2128	1
4	5500	70	1	760	1
5	5500	25	1	2140	1
6	5500	48	1	1100	1
7	5500	41	1	1289	1
8	5500	41	1	1309	1
9	5500	28	1	1895	1
10	5500	23	1	2354	1
11	5500	81	1	655	1
12	5500	18	1	3021	1
13	5500	28	1	1890	1
14	5500	27	1	2000	1
15	5500	34	1	1570	1
Detection Percentage: 100 % (>60%)					

Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5500	27	2	185	1
2	5500	23	3.8	183	1
3	5500	28	4.3	162	1
4	5500	25	3.5	154	1
5	5500	24	3.6	192	1
6	5500	27	3	171	1
7	5500	28	3.3	210	1
8	5500	24	3.8	152	1
9	5500	24	4.1	155	1
10	5500	28	4.7	170	1
11	5500	24	1	176	1
12	5500	28	4.4	191	1
13	5500	29	3.7	187	1
14	5500	23	3.1	153	1
15	5500	28	3.4	222	1
16	5500	29	3.1	159	1
17	5500	24	3.2	173	1
18	5500	28	1.2	183	1
19	5500	25	2.4	228	1
20	5500	26	3.4	177	1
21	5500	26	4	197	1
22	5500	27	1.2	204	1
23	5500	27	1.5	219	1
24	5500	26	1.4	165	1
25	5500	26	4.9	197	1
26	5500	27	3.2	164	1
27	5500	28	3.8	212	1
28	5500	25	2.8	186	1
29	5500	27	3.8	170	1
30	5500	23	4.4	159	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	5500	18	8.8	302	1
2	5500	17	8.9	233	1
3	5500	17	8.3	305	1
4	5500	17	8	355	1
5	5500	17	7.3	415	1
6	5500	16	8.1	374	1
7	5500	17	6.2	336	1
8	5500	16	9.2	320	1
9	5500	17	7.8	442	1
10	5500	16	9.5	332	1
11	5500	17	9.6	487	1
12	5500	17	7.6	398	1
13	5500	18	8.3	370	1
14	5500	17	6.5	232	1
15	5500	17	6.6	207	1
16	5500	17	8.1	202	1
17	5500	17	6.6	233	1
18	5500	17	7.2	278	1
19	5500	16	6.6	426	1
20	5500	17	9.9	346	1
21	5500	17	9.7	347	1
22	5500	18	7.6	480	1
23	5500	17	8.3	345	1
24	5500	17	7.7	404	1
25	5500	16	7.7	374	1
26	5500	18	9.8	377	1
27	5500	17	8.7	378	1
28	5500	18	9.2	215	1
29	5500	16	7.1	309	1
30	5500	18	8.6	295	1
Detection Percentage: 100 % (>60%)					

Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5500	15	19.2	443	1
2	5500	13	16.3	223	1
3	5500	12	19	261	1
4	5500	15	14.3	297	1
5	5500	14	16.6	387	1
6	5500	14	12.2	383	1
7	5500	12	18.1	216	1
8	5500	12	18.8	413	1
9	5500	14	18.2	212	1
10	5500	13	13.4	475	1
11	5500	13	11.2	397	1
12	5500	14	17.6	209	1
13	5500	14	11.6	343	1
14	5500	15	16.9	424	1
15	5500	13	18.1	483	1
16	5500	14	17.7	261	1
17	5500	13	11.6	272	1
18	5500	14	15.3	447	1
19	5500	15	18.3	437	1
20	5500	16	12.7	221	1
21	5500	14	11.6	388	1
22	5500	12	15.3	304	1
23	5500	13	18.7	429	1
24	5500	14	13.7	485	1
25	5500	14	16.1	483	1
26	5500	14	11.7	472	1
27	5500	12	15.4	340	1
28	5500	15	11.1	487	1
29	5500	14	11.9	377	1
30	5500	13	13.5	366	1
Detection Percentage: 100 % (>60%)					

Radar Type 5 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5500 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(µS)	Pulse 2-3 spacing(µS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	12	56.2	1764		598.457	1
2	1	12	70.3			463.18	
3	2	12	65.7	1644		636.76	
4	3	12	63	1472	1995	66.98	
5	2	12	77.5	1518		238.32	
6	2	12	80.7	1766		431.51	
7	2	12	62.9	1111		206.92	
8	3	12	69.4	1776	1122	634.7	
9	2	12	81.3	1829		196.5	
10	3	12	92.2	1925	1773	36.01	
11	1	12	78.6			561.38	
12	2	12	90.3	1599		252.79	
13	2	12	93.7	1770		421.2	
14	2	12	97.1	1755		535.8	
15	2	12	77.2	1516		578.4	

Statistics 2 (ChirpCenter Frequency: 5500 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(µS)	Pulse 2-3 spacing(µS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	10	90			298.826	1
2	3	10	58	1315	1833	136.066	
3	3	10	51.1	1339	1792	254.16	
4	1	10	84.2			727.16	
5	2	10	57.9	1873		437.6	
6	2	10	72.8	1528		571.69	
7	1	10	60			528.13	
8	2	10	61.3	1253		102.77	
9	1	10	86.9			673.78	
10	1	10	75.2			104.02	
11	3	10	66.8	1173	1393	590.71	
12	3	10	55.3	1209	1362	172.68	
13	1	10	58.2			266.6	
14	2	10	82.9	1614		450.8	
15	2	10	90	1765		244.6	
16	3	10	55.3	1022	1137	661.2	

Statistics 3 (ChirpCenter Frequency: 5500 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	9	98.1	1310	1192	402.448	1
2	3	9	99.1	1464	1492	540.493	
3	2	9	93.8	1373		132.426	
4	2	9	51.6	1751		856.529	
5	2	9	69.1	1145		55.142	
6	2	9	53.9	1990		909.305	
7	2	9	63	1004		12.188	
8	3	9	77.5	1633	1872	741.572	
9	2	9	65.7	1665		283.725	
10	3	9	94	1639	1876	366.118	
11	2	9	82	1954		300.161	
12	1	9	50.9			307.954	
13	1	9	83.4			392.577	

Statistics 4 (ChirpCenter Frequency: 5500 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	19	58.8	1141		172.433	1
2	1	19	85.9			58.546	
3	2	19	80	1001		2.557	
4	2	19	81.9	1094		251.77	
5	2	19	80.8	1447		446.613	
6	3	19	68.3	1887	1609	339.497	
7	2	19	87.8	1406		165.97	
8	2	19	60.4	1675		594.893	
9	2	19	81.7	1820		29.767	
10	2	19	64.5	1001		413.8	
11	2	19	65.1	1400		531.203	
12	2	19	57.3	1611		602.787	
13	3	19	96.5	1054	1274	172.07	
14	1	19	64.6			377.253	
15	1	19	90.5			275.817	
16	3	19	94.7	1613	1315	373.6	
17	2	19	77.2	1171		99.033	
18	2	19	70.4	1363		322.367	

Statistics 5 (ChirpCenter Frequency: 5500 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	11	68.4			923.878	1
2	2	11	97.3	1929		748.431	
3	2	11	99.7	1118		322.802	
4	2	11	54.2	1280		99.193	
5	2	11	67.8	1254		545.834	
6	1	11	97.3			835.685	
7	2	11	94.9	1669		512.475	
8	2	11	70	1976		894.496	
9	2	11	66.7	1624		156.047	
10	2	11	94	1597		993.218	
11	3	11	79	1030	1864	948.609	

Statistics 6 (ChirpCenter Frequency: 5500 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	11	65.3	1924		1132.87	1
2	2	11	75.2	1294		806.067	
3	3	11	65	1595	1684	74.163	
4	2	11	96.8	1305		140.17	
5	1	11	96.5			1224.067	
6	2	11	70.1	1862		1260.243	
7	2	11	79.6	1034		1229.85	
8	2	11	74.1	1249		46.917	
9	3	11	78.7	1386	1410	1130.733	

Statistics 7 (ChirpCenter Frequency: 5500 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	8	74.8	1202	1031	516.038	1
2	1	8	56.7			723.877	
3	2	8	74.7	1507		129.714	
4	1	8	55.1			243.451	
5	2	8	96.9	1129		84.629	
6	3	8	95.3	1337	1436	153.336	
7	3	8	75.5	1128	1293	65.783	
8	1	8	73.6			14.41	
9	3	8	67.5	1760	1736	298.467	
10	1	8	61.6			710.884	
11	2	8	76.3	1388		599.491	
12	3	8	93.8	1067	1248	232.209	
13	3	8	56.4	1145	1913	681.086	
14	2	8	79.5	1545		157.443	

Statistics 8 (ChirpCenter Frequency: 5500MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	18	77			592.487	1
2	2	18	84.6	1020		679.72	
3	2	18	97.1	1719		520.9	
4	3	18	71.1	1050	1954	529.49	
5	3	18	78.8	1971	1125	61.76	
6	2	18	55	1194		442.55	
7	3	18	96.9	1104	1297	792.52	
8	2	18	84.4	1993		17.86	
9	1	18	96.5			645.73	
10	2	18	83.4	1327		186.13	
11	2	18	82.6	1417		528.64	
12	2	18	53.1	1097		461.54	
13	3	18	89.6	1334	1402	34.93	
14	2	18	69.6	1816		86	
15	3	18	52.3	1192	1318	310.9	

Statistics 9 (ChirpCenter Frequency: 5500 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	16	83.4	1405		460.073	1
2	3	16	77.3	1652	1444	666.753	
3	3	16	70.2	1257	1129	112.846	
4	2	16	63.3	1061		458.739	
5	2	16	79.1	1284		465.122	
6	2	16	82.5	1463		837.225	
7	2	16	74.7	1309		745.048	
8	2	16	97.5	1343		182.732	
9	1	16	58.2			714.075	
10	3	16	69.3	1304	1298	746.058	
11	2	16	82.9	1674		779.331	
12	1	16	77.9			479.154	
13	2	16	75.3	1840		302.077	

Statistics 10 (ChirpCenter Frequency: 5500 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	15	93.1			196.662	1
2	1	15	70.6			260.02	
3	1	15	60.4			929.8	
4	1	15	76.3			860.74	
5	2	15	77.6	1447		1008.59	
6	3	15	95.8	1510	1284	758.27	
7	3	15	51.7	1963	1802	86.95	
8	3	15	87.4	1108	1055	484.89	
9	2	15	91.3	1433		1190	
10	2	15	83.3	1811		104.9	

Statistics 11 (ChirpCenter Frequency: 5498.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	18	95.8	1801		550.605	1
2	3	18	71.7	1267	1612	567.031	
3	3	18	85.1	1532	1070	539.542	
4	3	18	84.2	1719	1307	94.573	
5	1	18	55.9			364.204	
6	1	18	91.6			313.885	
7	1	18	96.1			425.036	
8	2	18	74.9	1525		601.657	
9	3	18	76.4	1731	1297	301.318	
10	1	18	86.3			74.399	
11	1	18	57.2			200.091	
12	3	18	91.1	1622	1370	375.482	
13	2	18	68	1186		28.483	
14	2	18	73.6	1052		6.724	
15	2	18	89.7	1036		426.815	
16	2	18	92.3	1053		335.886	
17	3	18	60.3	1634	1791	137.037	
18	1	18	57.7			453.058	
19	2	18	51.7	1034		597.679	

Statistics 12 (ChirpCenter Frequency: 5495.4 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	11	80.4	1902	1604	148.659	1
2	2	11	97.6	1391		264.807	
3	1	11	90.7			1155.213	
4	1	11	75.7			1057.69	
5	2	11	86.7	1401		233.107	
6	2	11	79.8	1842		441.553	
7	3	11	96.1	1810	1485	252.49	
8	1	11	75.4			673.067	
9	2	11	72.5	1850		623.933	

Statistics 13 (ChirpCenter Frequency: 5493.4 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	6	96	1462		791.672	1
2	1	6	59			423.723	
3	3	6	58.2	1880	1250	341.536	
4	2	6	58	1096		548.219	
5	1	6	53			115.172	
6	2	6	99.1	1259		511.955	
7	2	6	63.4	1532		631.768	
8	3	6	89	1877	1673	136.522	
9	2	6	83	1249		79.785	
10	1	6	81.6			492.968	
11	2	6	60.1	1514		410.771	
12	2	6	90.9	1083		218.254	
13	2	6	69	1747		562.277	

Statistics 14 (ChirpCenter Frequency: 5493 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	5	86.9	1879		1027.77	1
2	3	5	87.1	1901	1047	393.91	
3	1	5	92.3			580.98	
4	2	5	67.5	1709		229.07	
5	1	5	67.1			604.77	
6	3	5	50.8	1774	1043	1028.53	
7	2	5	62.8	1814		124.94	
8	3	5	76.3	1626	1248	1082.5	
9	2	5	75.3	1308		895.4	
10	2	5	74.5	1021		1157.3	

Statistics 15 (ChirpCenter Frequency: 5496.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	14	55.4			370.679	1
2	3	14	80	1948	1560	406.62	
3	1	14	92.7			177.47	
4	3	14	68.1	1863	1837	185.68	
5	1	14	56.3			514.98	
6	1	14	50.5			43.68	
7	3	14	72.5	1479	1372	191.12	
8	1	14	99.6			112.82	
9	3	14	90.6	1167	1656	80.71	
10	3	14	75.9	1291	1732	221.13	
11	2	14	63	1821		630.87	
12	2	14	63.9	1537		459.07	
13	1	14	57.1			492.14	
14	1	14	85.7			570.6	
15	2	14	76.4	1855		668.5	
16	2	14	96.9	1953		25.7	

Statistics 16 (ChirpCenter Frequency: 5499 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	20	70.5			315.437	0
2	2	20	53	1376		620.29	
3	3	20	89.6	1220	1541	129.34	
4	2	20	82.4	1328		222.5	
5	2	20	53.9	1784		479.24	
6	2	20	71.5	1193		77.09	
7	2	20	84.9	1213		178.21	
8	2	20	91.8	1374		67.26	
9	2	20	78.1	1554		174.07	
10	1	20	54			269.53	
11	1	20	88.9			70.99	
12	1	20	99.4			487.76	
13	1	20	56.6			96.27	
14	3	20	72.1	1602	1346	568.5	
15	2	20	62.1	1315		152.4	
16	2	20	71.9	1959		360	

Statistics 17 (ChirpCenter Frequency: 5495.4 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	11	85.1	1604	1764	347.868	1
2	2	11	85.8	1374		120.766	
3	3	11	85.9	1433	1192	210.145	
4	3	11	78.4	1535	1193	660.683	
5	1	11	93.7			300.801	
6	2	11	62.9	1550		457.828	
7	1	11	50.9			244.196	
8	3	11	73.7	1263	1282	335.504	
9	2	11	89.4	1099		211.311	
10	1	11	78.7			474.669	
11	2	11	69.5	1954		634.286	
12	1	11	61.6			692.794	
13	3	11	89.8	1030	1031	128.972	
14	3	11	53.2	1577	1579	674.349	
15	2	11	67.9	1142		413.447	
16	2	11	56	1366		324.065	
17	2	11	74.9	1700		10.282	

Statistics 18 (ChirpCenter Frequency: 5496.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	14	73	1535		74.174	1
2	2	14	85.7	1739		158.871	
3	2	14	81.2	1667		627.402	
4	1	14	55.7			658.933	
5	1	14	88.8			984.014	
6	1	14	59.4			566.795	
7	3	14	90.6	1867	1008	147.195	
8	2	14	73.7	1015		189.886	
9	2	14	70.7	1418		364.687	
10	2	14	63.9	1124		690.518	
11	2	14	96.3	1673		595.009	

Statistics 19 (ChirpCenter Frequency: 5496.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	14	83.1	1817	1850	416.866	1
2	1	14	67.8			204.527	
3	2	14	67.8	1111		352.334	
4	2	14	64.6	1446		164.891	
5	3	14	67.4	1276	1290	541.759	
6	2	14	69.4	1346		124.956	
7	3	14	68.2	1504	1698	68.933	
8	1	14	92.6			688.35	
9	2	14	86.2	1030		476.817	
10	3	14	77.6	1808	1835	349.374	
11	3	14	61.4	1373	1633	706.751	
12	3	14	88.6	1291	1859	414.529	
13	2	14	59.5	1767		23.386	
14	1	14	52.5			46.643	

Statistics 20 (ChirpCenter Frequency: 5498.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	19	93			419.101	1
2	3	19	54.6	1217	1864	359.057	
3	3	19	73.6	1546	1570	588.804	
4	2	19	66.1	1921		432.041	
5	2	19	72.8	1851		212.499	
6	3	19	79.5	1126	1698	129.506	
7	2	19	69	1029		764.163	
8	2	19	69.1	1504		70.95	
9	3	19	99.4	1643	1382	405.717	
10	1	19	51.4			382.414	
11	2	19	85.4	1252		346.071	
12	2	19	94.3	1082		204.239	
13	2	19	55.5	1647		87.186	
14	1	19	81.9			319.543	

Statistics 21 (ChirpCenter Frequency: 5503.8 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	13	94.2	1945	1978	260.239	1
2	2	13	86.1	1414		469.908	
3	2	13	91.2	1352		437.845	
4	3	13	92.9	1249	1925	539.293	
5	2	13	73.3	1102		621.971	
6	1	13	62.9			167.898	
7	2	13	52.7	1365		36.196	
8	2	13	78.6	1700		84.874	
9	2	13	88.6	1504		473.261	
10	1	13	55.9			220.579	
11	3	13	91.8	1573	1027	257.606	
12	3	13	91.6	1125	1890	518.784	
13	2	13	53.3	1497		274.472	
14	3	13	55.9	1323	1810	231.119	
15	2	13	82.2	1049		375.647	
16	3	13	50.6	1908	1935	533.565	
17	3	13	84.1	1885	1955	262.482	

Statistics 22 (ChirpCenter Frequency: 5505.8 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)
1	1	8	95.4			383.597	1
2	2	8	71.7	1997		118.155	
3	2	8	100	1723		736.45	
4	3	8	81.9	1591	1982	498.93	
5	3	8	67.7	1662	1085	159.4	
6	1	8	67.6			706	
7	1	8	86			278.07	
8	2	8	72	1306		430.57	
9	1	8	68.9			524.78	
10	2	8	83.2	1852		12.68	
11	1	8	70.9			250.78	
12	2	8	99.2	1725		664.03	
13	2	8	52.9	1781		302.21	
14	1	8	85.8			488.4	
15	2	8	69.1	1285		733.9	
16	1	8	79.6			261	

Statistics 23(ChirpCenter Frequency: 5506.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	7	82	1951		549.16	1
2	3	7	54.2	1185	1230	894.95	
3	2	7	96.9	1958		85.42	
4	2	7	64.8	1537		682.34	
5	2	7	58.6	1974		187.98	
6	1	7	62.7			238.42	
7	3	7	91.5	1850	1634	885.96	
8	2	7	91.4	1505		46.26	
9	1	7	60			722.2	
10	1	7	73			1145.4	

Statistics 24(ChirpCenter Frequency: 5505.4 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	9	72.6			377.882	1
2	2	9	85.3	1466		552.78	
3	2	9	76.7	1977		304.55	
4	2	9	80.5	1254		643.64	
5	2	9	84.1	1247		70.99	
6	1	9	74.5			594.27	
7	1	9	64.3			721.2	
8	2	9	88.6	1367		307.19	
9	2	9	69.2	1137		734.02	
10	1	9	58.4			539.83	
11	2	9	76.1	1935		891.4	
12	2	9	76.3	1052		720.3	

Statistics 25(ChirpCenter Frequency: 5507 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	5	71.7	1938	1401	485.133	1
2	3	5	58	1586	1644	76.152	
3	2	5	95.3	1291		320.14	
4	2	5	94.1	1699		530.53	
5	1	5	60.5			496.57	
6	1	5	79.5			476.78	
7	3	5	54	1930	1913	455.73	
8	3	5	69.1	1105	1641	393.78	
9	2	5	95.7	1295		357.84	
10	3	5	56	1814	1751	309.01	
11	2	5	55	1399		285.85	
12	1	5	56.1			556.9	
13	1	5	70			315.8	
14	1	5	64.8			296.9	
15	2	5	88.3	1384		214.63	
16	3	5	62.5	1155	1247	56.37	
17	3	5	52.4	1575	1728	135.67	
18	1	5	57			455.5	
19	3	5	78.7	1229	1090	533.2	
20	2	5	98.1	1845		288.5	

Statistics 26 (ChirpCenter Frequency: 5502.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	16	51.6	1288	1039	572.98	1
2	2	16	75.6	1247		716.8	
3	2	16	54.9	1214		556.72	
4	2	16	61.6	1738		157.57	
5	2	16	96.7	1084		530.38	
6	1	16	90.6			553.19	
7	2	16	65	1213		290.86	
8	2	16	62.6	1851		62.89	
9	1	16	57.9			399.86	
10	2	16	65.8	1986		552.07	
11	2	16	99.8	1474		77.6	
12	2	16	85.2	1971		168.69	
13	1	16	90			199.26	
14	3	16	75.8	1114	1360	287.5	
15	1	16	53.1			508	
16	1	16	58.6			497.5	

Statistics 27 (ChirpCenter Frequency: 5502.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	16	88.7			127.335	1
2	2	16	95.1	1601		70.133	
3	2	16	89.3	1092		292.992	
4	2	16	85.9	1321		238.443	
5	3	16	70.5	1526	1190	290.634	
6	2	16	56.9	1164		519.005	
7	2	16	79.2	1846		486.046	
8	2	16	98.9	1311		18.917	
9	2	16	89.2	1938		375.758	
10	1	16	63.3			482.839	
11	3	16	76.1	1586	1004	320.571	
12	3	16	62.6	1345	1415	68.292	
13	1	16	59.3			46.183	
14	2	16	73.5	1763		526.664	
15	2	16	54	1636		181.235	
16	3	16	80	1508	1673	400.156	
17	3	16	92.1	1584	1731	196.137	
18	3	16	69.7	1291	1455	49.958	
19	2	16	86.2	1809		499.479	

Statistics 28 (ChirpCenter Frequency: 5506.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	6	88.9	1881		209.743	1
2	3	6	99.4	1924	1731	442.371	
3	2	6	73	1980		294.042	
4	1	6	54			601.453	
5	3	6	96.3	1258	1528	397.964	
6	2	6	76.2	1114		540.285	
7	1	6	61.7			1075.735	
8	2	6	96.8	1846		24.486	
9	2	6	60.2	1768		906.397	
10	1	6	74.6			876.318	
11	2	6	81.1	1551		492.709	

Statistics 29 (ChirpCenter Frequency: 5504.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	11	60.1			528.397	1
2	1	11	59.9			579.563	
3	2	11	74.3	1216		288.567	
4	2	11	59.4	1204		303.24	
5	3	11	93.6	1437	1702	320.233	
6	2	11	70.1	1161		407.127	
7	2	11	69.9	1216		237.56	
8	2	11	55.2	1506		171.233	
9	1	11	97.9			521.647	
10	2	11	92.4	1671		197.95	
11	1	11	78.3			439.893	
12	1	11	62.8			504.187	
13	2	11	72.3	1576		508.96	
14	2	11	69.5	1566		268.823	
15	3	11	75.5	1215	1246	161.467	
16	1	11	69.1			452.5	
17	1	11	52.7			435.733	
18	2	11	86.4	1541		396.267	

Statistics 30 (ChirpCenter Frequency: 5503 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	15	94.1			297.208	1
2	3	15	73.7	1025	1359	298.98	
3	1	15	80.3			0.91	
4	1	15	75.8			625.47	
5	2	15	71.1	1654		503.49	
6	1	15	79.4			795.42	
7	1	15	84.1			389.96	
8	2	15	64.6	1271		700.59	
9	3	15	55.7	1244	1341	868.5	
10	2	15	77.9	1647		778.62	
11	2	15	51.9	1253		396.5	
12	3	15	52.4	1534	1254	495.1	

Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)	Hopping Sequence (GHz)
1	5500	9	1	333	1	5.459, 5.556, 5.397, 5.714, 5.466, 5.624, 5.409, 5.721, 5.306, 5.434, 5.690, 5.319, 5.516, 5.323, 5.668, 5.665, 5.370, 5.285, 5.578, 5.300, 5.600, 5.705, 5.526, 5.622, 5.594, 5.309, 5.497, 5.286, 5.539, 5.395, 5.570, 5.554, 5.481, 5.587, 5.467, 5.566, 5.418, 5.333, 5.360, 5.279, 5.715, 5.551, 5.660, 5.569, 5.278, 5.548, 5.276, 5.513, 5.561, 5.518, 5.352, 5.657, 5.563, 5.457, 5.463, 5.412, 5.447, 5.465, 5.311, 5.562, 5.499, 5.364, 5.299, 5.374, 5.486, 5.666, 5.619, 5.376, 5.295, 5.410, 5.589, 5.618, 5.710, 5.669, 5.316, 5.532, 5.491, 5.357, 5.607, 5.453, 5.251, 5.283, 5.329, 5.603, 5.667, 5.676, 5.524, 5.312, 5.390, 5.339, 5.307, 5.586, 5.631, 5.492, 5.313, 5.394, 5.485, 5.456, 5.461, 5.356
2	5500	9	1	333	1	5.713, 5.560, 5.677, 5.598, 5.273, 5.388, 5.640, 5.694, 5.715, 5.483, 5.272, 5.296, 5.549, 5.319, 5.342, 5.467, 5.445, 5.431, 5.462, 5.261, 5.402, 5.304, 5.509, 5.414, 5.256, 5.594, 5.513, 5.545, 5.657, 5.395, 5.638, 5.369, 5.720, 5.678, 5.305, 5.547, 5.724, 5.264, 5.257, 5.530, 5.609, 5.685, 5.255, 5.538, 5.710, 5.703, 5.404, 5.707, 5.366, 5.626, 5.442, 5.614, 5.621, 5.323, 5.398, 5.485, 5.386, 5.409, 5.556, 5.661, 5.434, 5.602, 5.616, 5.613, 5.368, 5.596, 5.275, 5.708, 5.335, 5.307, 5.331, 5.518, 5.465, 5.274, 5.281, 5.630, 5.422, 5.680, 5.542, 5.352, 5.687, 5.451, 5.266, 5.531, 5.416, 5.650, 5.615, 5.539, 5.446, 5.403, 5.418, 5.646, 5.311, 5.327, 5.413, 5.478, 5.505, 5.721, 5.280, 5.571
3	5500	9	1	333	1	5.273, 5.313, 5.419, 5.266, 5.661, 5.402, 5.441, 5.494, 5.473, 5.635, 5.306, 5.632, 5.400, 5.434, 5.328, 5.268, 5.452, 5.660, 5.326, 5.351, 5.703, 5.603, 5.302, 5.362, 5.507, 5.327, 5.639, 5.347, 5.356, 5.605, 5.707, 5.511, 5.449, 5.384, 5.253, 5.543, 5.608, 5.392, 5.285, 5.582, 5.636, 5.489, 5.499, 5.692, 5.445, 5.418, 5.274, 5.250, 5.349, 5.697, 5.348, 5.486, 5.439, 5.540, 5.606, 5.656, 5.685, 5.645, 5.417, 5.712, 5.623, 5.659, 5.691, 5.263, 5.377, 5.380, 5.612, 5.329, 5.575, 5.664, 5.414, 5.650, 5.365, 5.521, 5.649, 5.705, 5.704, 5.498, 5.683, 5.689, 5.607, 5.447, 5.464, 5.300, 5.624, 5.276, 5.448, 5.550, 5.640, 5.709, 5.491, 5.530, 5.413, 5.558, 5.719, 5.453, 5.420, 5.642, 5.532, 5.456
4	5500	9	1	333	1	5.680, 5.302, 5.684, 5.419, 5.646, 5.715, 5.613, 5.262, 5.278, 5.598, 5.514, 5.579,

						5.371, 5.608, 5.304, 5.670, 5.412, 5.706, 5.491, 5.381, 5.382, 5.284, 5.656, 5.506, 5.630, 5.390, 5.305, 5.259, 5.626, 5.513, 5.447, 5.290, 5.518, 5.360, 5.580, 5.453, 5.504, 5.640, 5.365, 5.554, 5.294, 5.377, 5.277, 5.603, 5.436, 5.543, 5.336, 5.286, 5.704, 5.687, 5.532, 5.332, 5.324, 5.470, 5.649, 5.625, 5.655, 5.682, 5.446, 5.429, 5.642, 5.585, 5.537, 5.600, 5.295, 5.346, 5.311, 5.587, 5.643, 5.531, 5.455, 5.337, 5.318, 5.527, 5.563, 5.309, 5.529, 5.385, 5.375, 5.333, 5.300, 5.323, 5.708, 5.712, 5.651, 5.423, 5.547, 5.507, 5.267, 5.652, 5.439, 5.605, 5.510, 5.322, 5.449, 5.592, 5.676, 5.299, 5.421, 5.624
5	5500	9	1	333	1	5.541, 5.305, 5.605, 5.307, 5.700, 5.568, 5.684, 5.278, 5.612, 5.529, 5.297, 5.262, 5.629, 5.306, 5.532, 5.411, 5.334, 5.429, 5.481, 5.254, 5.438, 5.486, 5.709, 5.360, 5.607, 5.623, 5.699, 5.332, 5.342, 5.487, 5.391, 5.275, 5.665, 5.260, 5.457, 5.620, 5.272, 5.681, 5.256, 5.352, 5.349, 5.263, 5.341, 5.317, 5.671, 5.569, 5.565, 5.667, 5.497, 5.326, 5.518, 5.274, 5.679, 5.354, 5.344, 5.570, 5.698, 5.288, 5.483, 5.689, 5.447, 5.261, 5.431, 5.250, 5.311, 5.622, 5.269, 5.415, 5.553, 5.471, 5.399, 5.720, 5.264, 5.703, 5.448, 5.639, 5.419, 5.719, 5.356, 5.552, 5.690, 5.366, 5.536, 5.635, 5.691, 5.616, 5.369, 5.259, 5.345, 5.656, 5.371, 5.524, 5.271, 5.490, 5.659, 5.425, 5.613, 5.427, 5.292, 5.398
6	5500	9	1	333	1	5.367, 5.722, 5.341, 5.318, 5.323, 5.472, 5.534, 5.682, 5.587, 5.279, 5.488, 5.598, 5.428, 5.690, 5.513, 5.407, 5.339, 5.558, 5.383, 5.455, 5.268, 5.536, 5.654, 5.286, 5.659, 5.250, 5.509, 5.639, 5.504, 5.520, 5.719, 5.688, 5.589, 5.657, 5.518, 5.426, 5.540, 5.308, 5.497, 5.709, 5.484, 5.531, 5.577, 5.501, 5.594, 5.613, 5.449, 5.263, 5.413, 5.556, 5.636, 5.681, 5.575, 5.510, 5.475, 5.471, 5.329, 5.492, 5.348, 5.379, 5.637, 5.596, 5.277, 5.427, 5.448, 5.353, 5.285, 5.537, 5.663, 5.346, 5.717, 5.665, 5.332, 5.401, 5.396, 5.371, 5.622, 5.320, 5.361, 5.256, 5.390, 5.720, 5.511, 5.474, 5.334, 5.293, 5.446, 5.671, 5.309, 5.610, 5.483, 5.660, 5.354, 5.364, 5.373, 5.535, 5.462, 5.302, 5.312, 5.337
7	5500	9	1	333	1	5.585, 5.596, 5.542, 5.686, 5.406, 5.540, 5.661, 5.464, 5.499, 5.311, 5.559, 5.324, 5.494, 5.692, 5.492, 5.678, 5.584, 5.489, 5.392, 5.515, 5.662, 5.571, 5.316, 5.629, 5.256, 5.275, 5.378, 5.643, 5.429, 5.670, 5.317, 5.312, 5.447, 5.308, 5.384, 5.376, 5.422, 5.261, 5.427, 5.343, 5.514, 5.354, 5.264, 5.432, 5.630, 5.363, 5.367, 5.448, 5.478, 5.579, 5.388, 5.655, 5.682, 5.631, 5.471, 5.294, 5.411, 5.446, 5.577, 5.481,

						5.588, 5.676, 5.601, 5.291, 5.707, 5.371, 5.574, 5.529, 5.564, 5.528, 5.685, 5.486, 5.704, 5.419, 5.364, 5.663, 5.688, 5.671, 5.495, 5.309, 5.709, 5.436, 5.352, 5.443, 5.334, 5.544, 5.724, 5.722, 5.473, 5.653, 5.270, 5.410, 5.680, 5.310, 5.344, 5.470, 5.553, 5.303, 5.372, 5.475
8	5500	9	1	333	1	5.683, 5.499, 5.679, 5.321, 5.280, 5.513, 5.603, 5.489, 5.441, 5.510, 5.478, 5.507, 5.304, 5.674, 5.276, 5.612, 5.561, 5.322, 5.360, 5.395, 5.643, 5.621, 5.455, 5.686, 5.544, 5.581, 5.504, 5.647, 5.268, 5.624, 5.498, 5.358, 5.363, 5.496, 5.714, 5.688, 5.511, 5.594, 5.380, 5.654, 5.597, 5.263, 5.520, 5.262, 5.632, 5.522, 5.306, 5.369, 5.411, 5.403, 5.649, 5.606, 5.294, 5.681, 5.400, 5.261, 5.475, 5.575, 5.267, 5.389, 5.273, 5.512, 5.595, 5.413, 5.583, 5.429, 5.658, 5.480, 5.310, 5.566, 5.617, 5.712, 5.696, 5.676, 5.331, 5.659, 5.472, 5.637, 5.705, 5.259, 5.486, 5.353, 5.454, 5.501, 5.656, 5.470, 5.432, 5.616, 5.542, 5.600, 5.671, 5.460, 5.627, 5.274, 5.695, 5.523, 5.707, 5.614, 5.388, 5.336
9	5500	9	1	333	1	5.387, 5.342, 5.719, 5.629, 5.576, 5.394, 5.372, 5.388, 5.660, 5.536, 5.498, 5.314, 5.667, 5.611, 5.485, 5.375, 5.395, 5.710, 5.319, 5.386, 5.504, 5.602, 5.291, 5.720, 5.400, 5.560, 5.579, 5.502, 5.669, 5.368, 5.281, 5.326, 5.320, 5.718, 5.582, 5.433, 5.678, 5.443, 5.706, 5.551, 5.442, 5.609, 5.465, 5.711, 5.677, 5.436, 5.467, 5.357, 5.457, 5.283, 5.639, 5.489, 5.415, 5.366, 5.523, 5.362, 5.533, 5.483, 5.470, 5.713, 5.526, 5.304, 5.605, 5.360, 5.686, 5.482, 5.298, 5.351, 5.391, 5.529, 5.632, 5.461, 5.347, 5.458, 5.405, 5.480, 5.683, 5.559, 5.338, 5.640, 5.410, 5.564, 5.285, 5.399, 5.620, 5.272, 5.428, 5.323, 5.449, 5.517, 5.329, 5.567, 5.651, 5.343, 5.389, 5.301, 5.270, 5.455, 5.390, 5.619
10	5500	9	1	333	1	5.636, 5.563, 5.709, 5.495, 5.561, 5.289, 5.494, 5.722, 5.308, 5.296, 5.349, 5.676, 5.567, 5.673, 5.318, 5.682, 5.691, 5.306, 5.716, 5.266, 5.452, 5.564, 5.409, 5.553, 5.427, 5.282, 5.443, 5.460, 5.679, 5.551, 5.413, 5.718, 5.562, 5.662, 5.336, 5.621, 5.399, 5.292, 5.652, 5.352, 5.532, 5.600, 5.394, 5.328, 5.575, 5.573, 5.436, 5.533, 5.466, 5.535, 5.330, 5.686, 5.645, 5.690, 5.721, 5.538, 5.574, 5.335, 5.284, 5.275, 5.546, 5.389, 5.689, 5.477, 5.669, 5.358, 5.536, 5.505, 5.280, 5.373, 5.380, 5.549, 5.262, 5.677, 5.525, 5.508, 5.401, 5.273, 5.453, 5.702, 5.668, 5.630, 5.492, 5.624, 5.312, 5.649, 5.570, 5.540, 5.571, 5.588, 5.724, 5.610, 5.254, 5.524, 5.593, 5.439, 5.369, 5.455, 5.251, 5.554
11	5500	9	1	333	1	5.644, 5.473, 5.359, 5.679, 5.385, 5.522, 5.682, 5.678, 5.299, 5.480, 5.407, 5.310,

						5.558, 5.716, 5.602, 5.681, 5.348, 5.647, 5.352, 5.493, 5.433, 5.614, 5.634, 5.498, 5.256, 5.564, 5.266, 5.262, 5.333, 5.525, 5.655, 5.370, 5.685, 5.304, 5.488, 5.427, 5.292, 5.373, 5.434, 5.371, 5.379, 5.585, 5.442, 5.629, 5.510, 5.335, 5.695, 5.623, 5.612, 5.579, 5.724, 5.609, 5.699, 5.455, 5.574, 5.713, 5.610, 5.396, 5.254, 5.618, 5.562, 5.543, 5.445, 5.471, 5.529, 5.669, 5.291, 5.449, 5.598, 5.718, 5.619, 5.309, 5.512, 5.511, 5.662, 5.616, 5.502, 5.607, 5.624, 5.568, 5.409, 5.664, 5.325, 5.412, 5.636, 5.528, 5.594, 5.314, 5.423, 5.276, 5.272, 5.656, 5.472, 5.366, 5.452, 5.694, 5.329, 5.301, 5.589, 5.311
12	5500	9	1	333	1	5.623, 5.687, 5.265, 5.681, 5.711, 5.294, 5.549, 5.603, 5.594, 5.568, 5.578, 5.504, 5.314, 5.303, 5.473, 5.448, 5.556, 5.543, 5.456, 5.542, 5.477, 5.587, 5.582, 5.250, 5.600, 5.366, 5.653, 5.497, 5.657, 5.322, 5.344, 5.692, 5.489, 5.572, 5.427, 5.630, 5.365, 5.665, 5.660, 5.717, 5.428, 5.675, 5.341, 5.382, 5.484, 5.476, 5.612, 5.647, 5.340, 5.255, 5.450, 5.679, 5.708, 5.364, 5.356, 5.436, 5.718, 5.413, 5.268, 5.709, 5.347, 5.281, 5.309, 5.465, 5.516, 5.459, 5.496, 5.471, 5.649, 5.599, 5.378, 5.713, 5.580, 5.602, 5.639, 5.548, 5.581, 5.561, 5.628, 5.694, 5.328, 5.402, 5.318, 5.337, 5.588, 5.626, 5.513, 5.339, 5.619, 5.564, 5.262, 5.524, 5.269, 5.439, 5.263, 5.535, 5.527, 5.532, 5.371, 5.636
13	5500	9	1	333	1	5.470, 5.621, 5.638, 5.359, 5.301, 5.427, 5.645, 5.272, 5.531, 5.375, 5.528, 5.329, 5.420, 5.461, 5.646, 5.382, 5.430, 5.607, 5.479, 5.460, 5.632, 5.372, 5.286, 5.250, 5.462, 5.410, 5.688, 5.707, 5.281, 5.350, 5.386, 5.383, 5.690, 5.477, 5.440, 5.499, 5.439, 5.663, 5.422, 5.401, 5.265, 5.502, 5.500, 5.393, 5.584, 5.423, 5.504, 5.371, 5.680, 5.513, 5.345, 5.602, 5.557, 5.467, 5.454, 5.644, 5.449, 5.600, 5.714, 5.344, 5.665, 5.465, 5.270, 5.641, 5.381, 5.515, 5.629, 5.256, 5.496, 5.689, 5.285, 5.361, 5.696, 5.522, 5.314, 5.299, 5.258, 5.670, 5.486, 5.398, 5.565, 5.492, 5.363, 5.655, 5.548, 5.421, 5.525, 5.535, 5.289, 5.573, 5.538, 5.639, 5.284, 5.706, 5.362, 5.550, 5.317, 5.635, 5.291, 5.590
14	5500	9	1	333	1	5.558, 5.315, 5.371, 5.368, 5.662, 5.359, 5.353, 5.294, 5.676, 5.375, 5.690, 5.456, 5.655, 5.364, 5.560, 5.513, 5.357, 5.624, 5.304, 5.724, 5.543, 5.463, 5.297, 5.667, 5.321, 5.571, 5.370, 5.477, 5.506, 5.613, 5.302, 5.551, 5.335, 5.503, 5.699, 5.588, 5.639, 5.485, 5.447, 5.283, 5.263, 5.715, 5.615, 5.390, 5.288, 5.300, 5.520, 5.687, 5.683, 5.308, 5.572, 5.445, 5.704, 5.562, 5.505, 5.587, 5.673, 5.596, 5.612, 5.575,

						5.293, 5.566, 5.719, 5.702, 5.255, 5.431, 5.403, 5.296, 5.330, 5.281, 5.502, 5.312, 5.313, 5.577, 5.510, 5.373, 5.651, 5.272, 5.546, 5.648, 5.405, 5.578, 5.530, 5.649, 5.350, 5.490, 5.282, 5.303, 5.420, 5.257, 5.291, 5.250, 5.495, 5.563, 5.461, 5.684, 5.256, 5.254, 5.324, 5.677
15	5500	9	1	333	1	5.621, 5.701, 5.623, 5.288, 5.605, 5.516, 5.408, 5.619, 5.688, 5.648, 5.556, 5.579, 5.355, 5.401, 5.307, 5.271, 5.612, 5.545, 5.275, 5.711, 5.528, 5.485, 5.378, 5.367, 5.616, 5.532, 5.417, 5.379, 5.390, 5.469, 5.704, 5.570, 5.364, 5.298, 5.329, 5.578, 5.674, 5.721, 5.669, 5.722, 5.312, 5.413, 5.630, 5.707, 5.266, 5.649, 5.427, 5.471, 5.277, 5.529, 5.389, 5.595, 5.506, 5.406, 5.285, 5.463, 5.386, 5.502, 5.577, 5.428, 5.426, 5.522, 5.679, 5.323, 5.517, 5.253, 5.381, 5.442, 5.256, 5.487, 5.698, 5.371, 5.328, 5.638, 5.437, 5.479, 5.643, 5.450, 5.610, 5.362, 5.670, 5.645, 5.573, 5.589, 5.681, 5.357, 5.350, 5.490, 5.453, 5.395, 5.633, 5.682, 5.519, 5.287, 5.380, 5.432, 5.431, 5.660, 5.303, 5.484
16	5500	9	1	333	1	5.403, 5.385, 5.484, 5.626, 5.540, 5.304, 5.604, 5.437, 5.457, 5.699, 5.364, 5.479, 5.332, 5.606, 5.647, 5.329, 5.335, 5.715, 5.397, 5.684, 5.597, 5.720, 5.331, 5.352, 5.446, 5.362, 5.424, 5.559, 5.459, 5.416, 5.618, 5.493, 5.505, 5.582, 5.315, 5.722, 5.569, 5.308, 5.282, 5.583, 5.293, 5.609, 5.258, 5.694, 5.408, 5.620, 5.351, 5.483, 5.565, 5.528, 5.400, 5.275, 5.633, 5.266, 5.523, 5.575, 5.707, 5.360, 5.441, 5.661, 5.539, 5.460, 5.354, 5.526, 5.662, 5.324, 5.635, 5.614, 5.587, 5.384, 5.570, 5.454, 5.532, 5.252, 5.643, 5.676, 5.461, 5.433, 5.513, 5.492, 5.473, 5.445, 5.279, 5.294, 5.412, 5.668, 5.641, 5.593, 5.418, 5.342, 5.452, 5.327, 5.386, 5.542, 5.543, 5.589, 5.382, 5.496, 5.379, 5.297
17	5500	9	1	333	1	5.331, 5.445, 5.548, 5.526, 5.524, 5.666, 5.520, 5.689, 5.571, 5.480, 5.657, 5.533, 5.329, 5.310, 5.546, 5.337, 5.528, 5.552, 5.582, 5.458, 5.481, 5.702, 5.626, 5.353, 5.697, 5.550, 5.724, 5.578, 5.595, 5.404, 5.509, 5.489, 5.535, 5.619, 5.311, 5.554, 5.579, 5.704, 5.385, 5.530, 5.455, 5.280, 5.251, 5.648, 5.531, 5.522, 5.677, 5.405, 5.340, 5.266, 5.707, 5.361, 5.462, 5.674, 5.680, 5.414, 5.360, 5.423, 5.645, 5.564, 5.716, 5.594, 5.417, 5.439, 5.268, 5.636, 5.252, 5.527, 5.718, 5.273, 5.475, 5.363, 5.538, 5.698, 5.658, 5.508, 5.632, 5.453, 5.722, 5.604, 5.616, 5.642, 5.452, 5.288, 5.356, 5.274, 5.559, 5.622, 5.620, 5.454, 5.713, 5.346, 5.607, 5.474, 5.324, 5.558, 5.693, 5.625, 5.422, 5.421
18	5500	9	1	333	1	5.505, 5.426, 5.424, 5.537, 5.409, 5.351, 5.491, 5.257, 5.313, 5.533, 5.430, 5.510,

						5.480, 5.317, 5.311, 5.626, 5.486, 5.677, 5.581, 5.450, 5.535, 5.300, 5.563, 5.462, 5.327, 5.688, 5.710, 5.307, 5.724, 5.408, 5.421, 5.576, 5.337, 5.679, 5.542, 5.358, 5.314, 5.399, 5.345, 5.555, 5.564, 5.361, 5.269, 5.597, 5.416, 5.365, 5.610, 5.471, 5.650, 5.383, 5.387, 5.464, 5.485, 5.406, 5.330, 5.391, 5.584, 5.420, 5.536, 5.419, 5.604, 5.410, 5.499, 5.252, 5.347, 5.587, 5.541, 5.607, 5.277, 5.538, 5.580, 5.658, 5.517, 5.385, 5.666, 5.652, 5.335, 5.374, 5.411, 5.325, 5.316, 5.297, 5.379, 5.431, 5.340, 5.382, 5.395, 5.521, 5.507, 5.619, 5.678, 5.437, 5.263, 5.364, 5.266, 5.703, 5.396, 5.456, 5.645, 5.482
19	5500	9	1	333	1	5.520, 5.260, 5.506, 5.532, 5.438, 5.395, 5.501, 5.597, 5.372, 5.287, 5.428, 5.463, 5.711, 5.261, 5.409, 5.469, 5.645, 5.460, 5.575, 5.651, 5.320, 5.576, 5.336, 5.511, 5.457, 5.569, 5.694, 5.573, 5.673, 5.485, 5.297, 5.288, 5.661, 5.367, 5.705, 5.577, 5.423, 5.633, 5.565, 5.675, 5.554, 5.344, 5.660, 5.389, 5.513, 5.479, 5.570, 5.542, 5.527, 5.681, 5.699, 5.370, 5.272, 5.259, 5.468, 5.356, 5.553, 5.464, 5.510, 5.466, 5.301, 5.492, 5.678, 5.351, 5.441, 5.359, 5.563, 5.608, 5.330, 5.502, 5.252, 5.339, 5.426, 5.327, 5.467, 5.343, 5.710, 5.578, 5.300, 5.592, 5.491, 5.709, 5.445, 5.345, 5.515, 5.326, 5.688, 5.556, 5.482, 5.402, 5.687, 5.376, 5.560, 5.398, 5.640, 5.293, 5.347, 5.303, 5.280, 5.414
20	5500	9	1	333	1	5.609, 5.713, 5.441, 5.628, 5.547, 5.253, 5.511, 5.397, 5.413, 5.630, 5.461, 5.462, 5.298, 5.688, 5.323, 5.597, 5.636, 5.499, 5.593, 5.353, 5.420, 5.715, 5.652, 5.315, 5.557, 5.352, 5.414, 5.301, 5.580, 5.329, 5.680, 5.392, 5.255, 5.649, 5.646, 5.550, 5.297, 5.625, 5.530, 5.267, 5.702, 5.570, 5.705, 5.360, 5.698, 5.289, 5.660, 5.618, 5.464, 5.399, 5.354, 5.608, 5.568, 5.668, 5.299, 5.687, 5.475, 5.405, 5.498, 5.455, 5.465, 5.260, 5.386, 5.452, 5.447, 5.527, 5.637, 5.350, 5.471, 5.667, 5.487, 5.701, 5.716, 5.431, 5.662, 5.367, 5.542, 5.712, 5.458, 5.493, 5.448, 5.283, 5.286, 5.407, 5.376, 5.563, 5.686, 5.613, 5.505, 5.672, 5.258, 5.264, 5.616, 5.307, 5.343, 5.651, 5.306, 5.304, 5.629, 5.600
21	5500	9	1	333	1	5.375, 5.516, 5.480, 5.502, 5.287, 5.486, 5.524, 5.285, 5.626, 5.601, 5.707, 5.566, 5.447, 5.338, 5.521, 5.416, 5.681, 5.613, 5.700, 5.692, 5.551, 5.713, 5.254, 5.433, 5.463, 5.396, 5.398, 5.482, 5.428, 5.644, 5.615, 5.645, 5.631, 5.704, 5.453, 5.523, 5.342, 5.600, 5.379, 5.606, 5.634, 5.473, 5.595, 5.410, 5.310, 5.400, 5.628, 5.495, 5.295, 5.714, 5.367, 5.669, 5.260, 5.266, 5.568, 5.481, 5.663, 5.386, 5.675, 5.484,

						5.617, 5.276, 5.280, 5.454, 5.345, 5.668, 5.259, 5.573, 5.418, 5.652, 5.487, 5.412, 5.534, 5.258, 5.354, 5.470, 5.392, 5.334, 5.527, 5.331, 5.531, 5.288, 5.505, 5.498, 5.440, 5.314, 5.479, 5.492, 5.401, 5.286, 5.360, 5.328, 5.316, 5.509, 5.431, 5.437, 5.446, 5.693, 5.539, 5.404
22	5500	9	1	333	1	5.303, 5.614, 5.526, 5.587, 5.418, 5.652, 5.430, 5.597, 5.295, 5.546, 5.392, 5.445, 5.442, 5.451, 5.483, 5.543, 5.482, 5.429, 5.724, 5.515, 5.479, 5.585, 5.681, 5.262, 5.441, 5.501, 5.448, 5.306, 5.434, 5.399, 5.402, 5.443, 5.347, 5.691, 5.397, 5.460, 5.609, 5.569, 5.704, 5.643, 5.270, 5.314, 5.628, 5.387, 5.413, 5.721, 5.480, 5.648, 5.488, 5.645, 5.656, 5.478, 5.602, 5.406, 5.660, 5.522, 5.706, 5.586, 5.606, 5.605, 5.548, 5.342, 5.542, 5.672, 5.349, 5.421, 5.373, 5.274, 5.269, 5.452, 5.502, 5.251, 5.339, 5.687, 5.371, 5.388, 5.462, 5.686, 5.675, 5.337, 5.254, 5.566, 5.376, 5.252, 5.570, 5.618, 5.425, 5.709, 5.309, 5.668, 5.573, 5.594, 5.560, 5.454, 5.539, 5.664, 5.702, 5.414, 5.276, 5.319
23	5500	9	1	333	1	5.394, 5.633, 5.649, 5.646, 5.581, 5.556, 5.655, 5.665, 5.721, 5.341, 5.572, 5.398, 5.539, 5.374, 5.476, 5.433, 5.331, 5.555, 5.512, 5.421, 5.297, 5.343, 5.338, 5.682, 5.571, 5.621, 5.500, 5.595, 5.358, 5.448, 5.437, 5.435, 5.675, 5.546, 5.537, 5.372, 5.648, 5.322, 5.486, 5.631, 5.280, 5.340, 5.480, 5.327, 5.256, 5.670, 5.382, 5.286, 5.275, 5.720, 5.326, 5.533, 5.687, 5.530, 5.442, 5.315, 5.691, 5.518, 5.577, 5.447, 5.510, 5.320, 5.423, 5.318, 5.528, 5.535, 5.570, 5.438, 5.483, 5.446, 5.690, 5.661, 5.418, 5.717, 5.284, 5.576, 5.342, 5.468, 5.641, 5.281, 5.693, 5.309, 5.536, 5.385, 5.617, 5.702, 5.666, 5.573, 5.469, 5.580, 5.713, 5.688, 5.484, 5.603, 5.291, 5.578, 5.553, 5.477, 5.457, 5.664
24	5500	9	1	333	1	5.408, 5.279, 5.493, 5.337, 5.322, 5.336, 5.668, 5.583, 5.283, 5.371, 5.505, 5.365, 5.306, 5.642, 5.617, 5.274, 5.342, 5.339, 5.402, 5.679, 5.519, 5.352, 5.515, 5.723, 5.260, 5.636, 5.319, 5.379, 5.576, 5.438, 5.605, 5.338, 5.549, 5.674, 5.483, 5.521, 5.603, 5.451, 5.446, 5.363, 5.452, 5.632, 5.557, 5.710, 5.660, 5.640, 5.477, 5.376, 5.343, 5.491, 5.595, 5.665, 5.612, 5.554, 5.309, 5.253, 5.291, 5.670, 5.393, 5.575, 5.275, 5.564, 5.705, 5.680, 5.254, 5.269, 5.398, 5.326, 5.431, 5.356, 5.542, 5.382, 5.321, 5.614, 5.347, 5.663, 5.677, 5.392, 5.641, 5.585, 5.449, 5.514, 5.518, 5.323, 5.418, 5.499, 5.619, 5.529, 5.340, 5.299, 5.345, 5.577, 5.354, 5.630, 5.658, 5.696, 5.366, 5.552, 5.252, 5.468

25	5500	9	1	333	1	5.359, 5.397, 5.298, 5.487, 5.688, 5.485, 5.458, 5.571, 5.588, 5.567, 5.363, 5.614, 5.295, 5.598, 5.510, 5.268, 5.476, 5.424, 5.530, 5.718, 5.491, 5.595, 5.675, 5.594, 5.663, 5.611, 5.299, 5.428, 5.537, 5.574, 5.335, 5.399, 5.463, 5.513, 5.450, 5.427, 5.411, 5.618, 5.570, 5.518, 5.378, 5.349, 5.676, 5.648, 5.385, 5.448, 5.439, 5.592, 5.291, 5.577, 5.338, 5.606, 5.354, 5.639, 5.625, 5.277, 5.405, 5.607, 5.368, 5.441, 5.356, 5.687, 5.679, 5.375, 5.597, 5.674, 5.333, 5.313, 5.392, 5.517, 5.521, 5.533, 5.683, 5.263, 5.655, 5.531, 5.486, 5.395, 5.445, 5.258, 5.558, 5.352, 5.252, 5.348, 5.540, 5.285, 5.599, 5.393, 5.506, 5.320, 5.278, 5.381, 5.575, 5.471, 5.297, 5.593, 5.396, 5.650, 5.596, 5.495
26	5500	9	1	333	1	5.538, 5.689, 5.428, 5.639, 5.273, 5.699, 5.514, 5.329, 5.646, 5.312, 5.479, 5.658, 5.632, 5.641, 5.314, 5.342, 5.667, 5.316, 5.450, 5.258, 5.376, 5.277, 5.356, 5.421, 5.253, 5.521, 5.352, 5.495, 5.368, 5.528, 5.326, 5.339, 5.586, 5.284, 5.371, 5.459, 5.358, 5.512, 5.706, 5.449, 5.503, 5.260, 5.440, 5.432, 5.384, 5.713, 5.483, 5.262, 5.395, 5.367, 5.711, 5.365, 5.493, 5.264, 5.714, 5.400, 5.636, 5.469, 5.332, 5.549, 5.537, 5.307, 5.618, 5.670, 5.597, 5.334, 5.522, 5.568, 5.272, 5.546, 5.571, 5.647, 5.425, 5.716, 5.411, 5.280, 5.465, 5.666, 5.474, 5.468, 5.275, 5.324, 5.718, 5.539, 5.480, 5.574, 5.301, 5.389, 5.466, 5.372, 5.289, 5.362, 5.300, 5.410, 5.261, 5.505, 5.475, 5.555, 5.347, 5.313
27	5500	9	1	333	1	5.254, 5.462, 5.697, 5.267, 5.666, 5.548, 5.461, 5.497, 5.306, 5.402, 5.634, 5.563, 5.423, 5.720, 5.589, 5.445, 5.460, 5.538, 5.399, 5.424, 5.499, 5.476, 5.649, 5.564, 5.562, 5.450, 5.477, 5.365, 5.580, 5.273, 5.257, 5.715, 5.408, 5.693, 5.541, 5.394, 5.630, 5.467, 5.646, 5.291, 5.617, 5.378, 5.655, 5.723, 5.502, 5.656, 5.483, 5.434, 5.384, 5.601, 5.280, 5.703, 5.416, 5.308, 5.710, 5.516, 5.665, 5.717, 5.317, 5.313, 5.557, 5.320, 5.519, 5.417, 5.624, 5.638, 5.644, 5.325, 5.327, 5.687, 5.521, 5.466, 5.392, 5.712, 5.535, 5.334, 5.359, 5.654, 5.379, 5.251, 5.426, 5.549, 5.337, 5.304, 5.637, 5.275, 5.433, 5.648, 5.622, 5.573, 5.381, 5.558, 5.627, 5.608, 5.621, 5.531, 5.606, 5.677, 5.265, 5.611
28	5500	9	1	333	1	5.632, 5.588, 5.444, 5.386, 5.434, 5.682, 5.453, 5.572, 5.410, 5.529, 5.303, 5.689, 5.352, 5.672, 5.397, 5.355, 5.544, 5.639, 5.710, 5.681, 5.662, 5.574, 5.464, 5.533, 5.507, 5.327, 5.541, 5.274, 5.563, 5.255, 5.402, 5.307, 5.554, 5.496, 5.351, 5.643, 5.430, 5.454, 5.599, 5.435, 5.284, 5.583, 5.684, 5.711, 5.378, 5.313, 5.623, 5.719, 5.315, 5.304, 5.265, 5.651, 5.661, 5.573,

						5.698, 5.559, 5.288, 5.479, 5.519, 5.525, 5.536, 5.714, 5.280, 5.372, 5.340, 5.309, 5.707, 5.488, 5.486, 5.601, 5.685, 5.287, 5.724, 5.379, 5.489, 5.408, 5.569, 5.358, 5.367, 5.552, 5.362, 5.381, 5.696, 5.456, 5.380, 5.717, 5.638, 5.715, 5.577, 5.443, 5.256, 5.286, 5.716, 5.607, 5.370, 5.312, 5.382, 5.462, 5.471, 5.663
29	5500	9	1	333	1	5.473, 5.374, 5.486, 5.463, 5.284, 5.310, 5.625, 5.581, 5.626, 5.398, 5.442, 5.561, 5.432, 5.401, 5.343, 5.630, 5.487, 5.433, 5.415, 5.525, 5.417, 5.579, 5.253, 5.669, 5.301, 5.524, 5.565, 5.644, 5.670, 5.257, 5.405, 5.653, 5.585, 5.327, 5.675, 5.331, 5.431, 5.277, 5.260, 5.481, 5.275, 5.351, 5.359, 5.608, 5.586, 5.391, 5.335, 5.262, 5.513, 5.290, 5.616, 5.676, 5.387, 5.421, 5.601, 5.622, 5.464, 5.600, 5.308, 5.645, 5.483, 5.596, 5.528, 5.295, 5.315, 5.530, 5.356, 5.520, 5.682, 5.289, 5.342, 5.293, 5.460, 5.569, 5.322, 5.562, 5.267, 5.286, 5.403, 5.704, 5.266, 5.353, 5.276, 5.372, 5.522, 5.316, 5.664, 5.635, 5.534, 5.558, 5.665, 5.517, 5.370, 5.519, 5.637, 5.319, 5.659, 5.521, 5.474, 5.428
30	5500	9	1	333	1	5.488, 5.681, 5.713, 5.477, 5.300, 5.538, 5.373, 5.553, 5.386, 5.622, 5.613, 5.403, 5.376, 5.498, 5.421, 5.662, 5.509, 5.533, 5.322, 5.436, 5.656, 5.500, 5.355, 5.676, 5.714, 5.503, 5.419, 5.481, 5.379, 5.445, 5.294, 5.515, 5.621, 5.671, 5.417, 5.617, 5.537, 5.474, 5.359, 5.575, 5.623, 5.658, 5.506, 5.652, 5.460, 5.578, 5.442, 5.441, 5.591, 5.395, 5.669, 5.407, 5.396, 5.416, 5.560, 5.540, 5.521, 5.551, 5.699, 5.453, 5.724, 5.494, 5.369, 5.573, 5.559, 5.722, 5.605, 5.700, 5.424, 5.312, 5.572, 5.461, 5.329, 5.602, 5.266, 5.447, 5.683, 5.363, 5.518, 5.547, 5.601, 5.633, 5.632, 5.470, 5.657, 5.471, 5.620, 5.483, 5.542, 5.513, 5.367, 5.375, 5.603, 5.406, 5.469, 5.599, 5.653, 5.451, 5.393, 5.280

40MHz Bandwidth

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

Please refer to the following statistical tables:

Radar Type 1A Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5510	76	1	698	1
2	5510	81	1	658	1
3	5510	67	1	798	1
4	5510	74	1	718	1
5	5510	63	1	838	1
6	5510	62	1	858	1
7	5510	78	1	678	1
8	5510	18	1	3066	1
9	5510	102	1	518	1
10	5510	65	1	818	1
11	5510	92	1	578	1
12	5510	58	1	918	1
13	5510	98	1	538	1
14	5510	61	1	878	1
15	5510	86	1	618	1
Detection Percentage: 100 % (>60%)					

Radar Type 1B Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5510	37	1	1432	1
2	5510	47	1	1127	1
3	5510	31	1	1727	1
4	5510	66	1	799	1
5	5510	68	1	784	1
6	5510	22	1	2404	1
7	5510	23	1	2305	1
8	5510	73	1	727	1
9	5510	21	1	2547	1
10	5510	93	1	568	1
11	5510	22	1	2423	1
12	5510	71	1	744	1
13	5510	24	1	2279	1
14	5510	18	1	3051	1
15	5510	23	1	2390	1
Detection Percentage: 100 % (>60%)					

Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5510	24	1.7	222	1
2	5510	28	3.5	187	1
3	5510	25	1.7	212	1
4	5510	29	1.7	160	1
5	5510	27	1.6	205	1
6	5510	25	4.5	180	1
7	5510	26	1.5	178	1
8	5510	27	4.3	224	1
9	5510	24	3.4	164	1
10	5510	23	4.9	219	1
11	5510	26	4.2	212	1
12	5510	25	1.3	197	1
13	5510	27	3.1	161	1
14	5510	25	3.2	202	1
15	5510	23	3	190	1
16	5510	23	1.8	177	1
17	5510	26	1.3	172	1
18	5510	25	2	217	1
19	5510	25	5	184	1
20	5510	24	2	227	1
21	5510	26	4.9	173	1
22	5510	27	4.3	188	1
23	5510	28	1.7	180	1
24	5510	25	4.2	203	1
25	5510	28	2.7	179	1
26	5510	28	1.8	180	1
27	5510	25	2	212	1
28	5510	28	3.7	168	1
29	5510	28	1.4	211	1
30	5510	24	1.1	172	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	5510	17	6.5	393	1
2	5510	17	8.6	294	1
3	5510	17	8.8	491	1
4	5510	17	8	329	1
5	5510	18	7.3	222	1
6	5510	17	8.5	269	1
7	5510	16	7.1	234	1
8	5510	17	9.5	216	1
9	5510	18	7.4	308	1
10	5510	18	8.9	209	1
11	5510	18	8.9	410	1
12	5510	17	6.1	295	1
13	5510	18	8.7	317	1
14	5510	17	6.1	436	1
15	5510	17	8.2	415	1
16	5510	17	7.7	258	1
17	5510	17	6.3	357	1
18	5510	16	8.2	214	1
19	5510	17	6.4	322	1
20	5510	16	7.5	334	1
21	5510	16	6.1	452	1
22	5510	17	6.8	473	1
23	5510	17	6.7	335	1
24	5510	17	7.1	201	1
25	5510	17	8.5	433	1
26	5510	18	9	465	1
27	5510	16	6.3	420	1
28	5510	17	7.2	240	1
29	5510	17	7.8	360	1
30	5510	18	7.5	264	1
Detection Percentage: 100 % (>60%)					

Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5510	12	18.9	410	1
2	5510	15	14	410	1
3	5510	16	19.8	386	1
4	5510	13	16.2	202	1
5	5510	15	13.3	368	1
6	5510	14	13.5	497	1
7	5510	15	18.6	261	1
8	5510	14	19.7	460	1
9	5510	14	15.6	319	1
10	5510	16	14.9	222	1
11	5510	13	16.2	484	1
12	5510	15	13	433	1
13	5510	14	19.7	341	1
14	5510	14	14.8	222	1
15	5510	13	12	286	1
16	5510	16	13.9	274	1
17	5510	14	18.1	473	1
18	5510	12	12.6	278	1
19	5510	14	16.9	210	1
20	5510	16	17.8	380	1
21	5510	15	17.7	455	1
22	5510	15	16.8	325	1
23	5510	15	19	386	1
24	5510	15	14.6	497	1
25	5510	13	17.1	273	1
26	5510	15	12.1	479	1
27	5510	12	11.3	308	1
28	5510	15	17.4	499	1
29	5510	14	11.4	335	1
30	5510	14	15.5	484	1
Detection Percentage: 100 % (>60%)					

Radar Type 5 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5510 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	14	76.1	1462		346.132	1
2	1	14	61.8			533.58	
3	3	14	64.8	1177	1845	122.7	
4	3	14	65.6	1258	1578	395.05	
5	1	14	91.4			655.37	
6	2	14	83.7	1867		524.17	
7	2	14	75.4	1003		695.53	
8	1	14	68.6			709.06	
9	1	14	82.5			284.29	
10	3	14	53.4	1686	1854	117.6	
11	1	14	83.4			458.89	
12	2	14	75.1	1406		715.62	
13	3	14	64.3	1936	1792	595.64	
14	3	14	61.3	1028	1688	708.8	
15	3	14	84.9	1598	1132	226.7	
16	2	14	78.7	1195		203.5	

Statistics 2 (ChirpCenter Frequency: 5510 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	6	62.8			218.744	1
2	2	6	51.5	1035		59.877	
3	2	6	52.7	1988		501.07	
4	2	6	85.3	1069		414.52	
5	2	6	88.2	1338		558.55	
6	3	6	94.2	1675	1036	58.63	
7	2	6	92.3	1179		479.97	
8	1	6	65.5			524.18	
9	2	6	52.2	1517		631.61	
10	3	6	93.5	1103	1742	477.33	
11	2	6	81.9	1559		473.51	
12	2	6	54.3	1434		53.47	
13	2	6	66.5	1257		139.32	
14	3	6	55.1	1492	1075	349	
15	3	6	50	1632	1632	432.1	
16	3	6	95.6	1507	1398	54.5	

Statistics 3 (ChirpCenter Frequency: 5510 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	16	56.5	1386	1863	269.704	1
2	3	16	90.5	1099	1378	328.231	
3	2	16	64.4	1389		138.722	
4	2	16	67.5	1426		314.143	
5	2	16	62.6	1664		1070.714	
6	2	16	76	1443		234.605	
7	3	16	67.8	1138	1147	327.325	
8	2	16	58.7	1971		833.346	
9	2	16	55.3	1274		820.667	
10	3	16	81.7	1114	1383	641.318	
11	2	16	57.2	1239		196.709	

Statistics 4 (ChirpCenter Frequency: 5510 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	16	90.2	1879		486.972	1
2	2	16	98.4	1417		380.26	
3	2	16	68.4	1599		437.08	
4	1	16	55.2			484.45	
5	3	16	81.1	1848	1254	239.52	
6	3	16	72.3	1265	1581	571.16	
7	1	16	83.2			390.59	
8	2	16	61.8	1409		329.77	
9	2	16	54.6	1856		768.35	
10	2	16	52.5	1451		282.87	
11	1	16	59.6			21.37	
12	3	16	66.7	1616	1902	679.57	
13	1	16	58.8			307.21	
14	3	16	82.7	1918	1315	747.2	
15	2	16	94.8	1635		654.3	

Statistics 5 (ChirpCenter Frequency: 5510 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	7	55.7			283.829	1
2	2	7	82.5	1939		178.636	
3	2	7	88.2	1686		692.445	
4	2	7	72.5	1959		111.283	
5	1	7	65.1			51.601	
6	3	7	94.4	1211	1775	448.178	
7	1	7	54.8			569.036	
8	2	7	55.3	1159		182.454	
9	3	7	97.1	1926	1823	21.631	
10	3	7	86.4	1308	1172	408.459	
11	2	7	70.5	1460		343.876	
12	2	7	68.7	1651		15.824	
13	2	7	94	1963		163.012	
14	2	7	58	1250		610.249	
15	2	7	52	1264		357.747	
16	2	7	85.8	1711		252.865	
17	2	7	92.9	1531		105.282	

Statistics 6 (ChirpCenter Frequency: 5510 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	6	84.9	1444		535.511	1
2	3	6	51.6	1038	1398	65.702	
3	1	6	68.2			394.967	
4	2	6	70.6	1467		463.89	
5	3	6	72.6	1230	1255	403.123	
6	2	6	78.1	1366		100.227	
7	1	6	81.3			626.44	
8	2	6	93.8	1453		223.493	
9	1	6	77.8			297.607	
10	1	6	92.7			612.57	
11	2	6	54.5	1308		323.683	
12	1	6	63.8			482.627	
13	2	6	70.8	1664		475.23	
14	2	6	68.8	1173		543.973	
15	1	6	87.1			556.227	
16	2	6	85.6	1084		38.6	
17	2	6	56.5	1734		199.233	
18	2	6	78.6	1285		423.667	

Statistics 7 (ChirpCenter Frequency: 5510 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	10	73.1			18.596	1
2	1	10	94			42.628	
3	1	10	59.9			105.91	
4	2	10	69.7	1461		768.5	
5	3	10	57.2	1773	1057	393.54	
6	3	10	94.9	1510	1795	738.3	
7	1	10	52.1			431.11	
8	1	10	52.2			644.01	
9	3	10	90	1317	1682	127.68	
10	1	10	78			169.78	
11	3	10	53.5	1049	1877	91.93	
12	1	10	90.8			120.84	
13	3	10	93.4	1625	1649	416.8	
14	2	10	76.1	1239		258.9	
15	1	10	66.9			281.3	

Statistics 8 (ChirpCenter Frequency: 5510 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	6	97.2	1249		687.225	1
2	2	6	82.5	1463		473.203	
3	3	6	76.3	1504	1120	802.056	
4	2	6	89.5	1153		199.039	
5	2	6	51.2	1189		259.922	
6	3	6	86.1	1303	1158	888.955	
7	2	6	59.3	1587		46.748	
8	2	6	57.1	1782		372.182	
9	2	6	85	1177		381.125	
10	1	6	73.6			430.198	
11	2	6	77.9	1488		534.911	
12	2	6	92.7	1154		117.754	
13	1	6	86.8			698.577	

Statistics 9 (ChirpCenter Frequency: 5510 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	7	85.9	1458	1331	559.081	1
2	1	7	67.6			846.37	
3	2	7	76	1373		225.65	
4	1	7	59.6			281.89	
5	2	7	70.1	1597		130.03	
6	2	7	93.4	1817		930.12	
7	2	7	74.4	1694		564.33	
8	3	7	72.9	1495	1302	203.04	
9	3	7	94.7	1726	1449	894	
10	2	7	64	1163		685.58	
11	1	7	95			509.2	
12	1	7	98.7			388.6	

Statistics 10 (ChirpCenter Frequency: 5510 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	14	52.7	1219	1072	330.607	1
2	2	14	85.1	1814		485.84	
3	2	14	51.6	1974		379.17	
4	1	14	61.4			310.56	
5	1	14	96.5			72.87	
6	2	14	59.3	1985		495.11	
7	1	14	73.8			621.85	
8	1	14	59.1			140.96	
9	2	14	67.4	1970		270.82	
10	3	14	78.3	1968	1092	354.38	
11	2	14	83.4	1891		467.48	
12	2	14	77.2	1978		58.18	
13	3	14	90.4	1192	1180	338.85	
14	3	14	85	1563	1269	363.6	
15	1	14	76.6			153.2	

Statistics 11 (ChirpCenter Frequency: 5499.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	19	78	1937	1427	205.773	1
2	3	19	78.7	1304	1473	366.27	
3	3	19	77.5	1346	1733	409.65	
4	2	19	72.4	1895		93.01	
5	2	19	74.2	1999		106.12	
6	3	19	59.5	1410	1473	641.44	
7	2	19	85.3	1061		169.9	
8	2	19	67	1422		609.09	
9	3	19	91.1	1683	1870	623.44	
10	2	19	83.3	1818		411.64	
11	2	19	60.8	1359		682.44	
12	2	19	85.2	1080		379.17	
13	3	19	99.6	1874	1177	564.87	
14	3	19	65.2	1490	1784	307.6	
15	2	19	80.5	1240		175.2	
16	3	19	68.9	1507	1466	288.5	

Statistics 12 (ChirpCenter Frequency: 5497.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	13	59.5	1584		127.694	1
2	2	13	88.7	1316		458.311	
3	3	13	69.2	1427	1181	435.912	
4	2	13	54	1210		3.733	
5	1	13	90.3			28.754	
6	2	13	71.5	1526		525.535	
7	2	13	63.4	1036		405.895	
8	2	13	58.6	1915		258.856	
9	1	13	68.6			61.397	
10	1	13	56.1			79.218	
11	3	13	78.7	1478	1671	964.309	

Statistics 13 (ChirpCenter Frequency: 5497.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	13	79.5			266.794	1
2	3	13	79.7	1380	1423	303.94	
3	3	13	81.3	1407	1127	101.16	
4	2	13	86.3	1342		611.9	
5	3	13	83.3	1382	1193	262.12	
6	1	13	53.3			421.41	
7	1	13	88.2			308.45	
8	1	13	64			177.73	
9	3	13	86.6	1274	1638	991.64	
10	1	13	70.6			9.42	
11	2	13	96.4	1236		590.7	
12	2	13	60.4	1984		816.7	

Statistics 14 (ChirpCenter Frequency: 5495.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	9	82	1685		321.841	1
2	3	9	51.1	1080	1196	1027.34	
3	2	9	56.1	1403		818.23	
4	2	9	85.8	1601		994.75	
5	2	9	67.5	1738		657.42	
6	3	9	81	1540	1734	789.96	
7	2	9	82	1055		690.84	
8	1	9	77.7			293.52	
9	2	9	80.5	1472		15.82	
10	2	9	95.8	1311		266.7	

Statistics 15 (ChirpCenter Frequency: 5496 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	10	73.5	1505		693.995	1
2	2	10	51.5	1866		736.477	
3	2	10	81.5	1402		387.344	
4	1	10	83.7			424.271	
5	2	10	53.8	1857		113.369	
6	2	10	98.3	1946		830.746	
7	3	10	79.2	1498	1445	463.883	
8	1	10	88.3			819.51	
9	1	10	96.2			848.687	
10	3	10	84.7	1115	1810	680.904	
11	3	10	86.1	1666	1616	106.771	
12	1	10	83.6			536.289	
13	1	10	53.1			344.886	
14	3	10	56.2	1363	1607	477.543	

Statistics 16 (ChirpCenter Frequency: 5496 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	10	72.4	1175	1931	54.607	1
2	3	10	71.4	1529	1345	228.912	
3	2	10	61.1	1408		375.532	
4	2	10	84.4	1678		414.463	
5	1	10	91.1			232.744	
6	1	10	50.3			400.615	
7	2	10	55.1	1092		608.786	
8	1	10	63.3			229.227	
9	3	10	93.9	1581	1979	362.558	
10	3	10	74.6	1021	1690	186.129	
11	1	10	85.3			169.121	
12	1	10	74.5			456.922	
13	2	10	62.1	1390		457.993	
14	1	10	73.8			105.554	
15	2	10	82	1246		264.205	
16	2	10	66.5	1353		34.496	
17	2	10	81.1	1714		408.537	
18	2	10	89.9	1595		593.658	
19	3	10	52.9	1587	1847	363.879	

Statistics 17 (ChirpCenter Frequency: 5498.4 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	16	65.6			576.943	1
2	2	16	62.9	1086		780.33	
3	1	16	90.5			661.99	
4	2	16	84.8	1776		456.01	
5	2	16	97.8	1397		608.69	
6	3	16	54.6	1151	1858	55.98	
7	1	16	69.4			19.45	
8	3	16	77.2	1483	1636	485.95	
9	2	16	51.1	1738		172.78	
10	1	16	56.7			347.15	
11	2	16	92.7	1466		20.91	
12	3	16	56.8	1431	1300	80.35	
13	2	16	89.9	1766		199.78	
14	2	16	73.7	1532		679.7	
15	1	16	69.6			750.9	

Statistics 18 (ChirpCenter Frequency: 5498.4 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	16	96.6	1085		206.337	1
2	1	16	63.6			693.43	
3	2	16	93.3	1292		843.26	
4	2	16	70.3	1672		34.74	
5	3	16	82.2	1236	1461	839.95	
6	2	16	55.3	1911		378.31	
7	3	16	83.6	1041	1975	692.72	
8	2	16	79	1833		397.96	
9	2	16	59.7	1947		856.78	
10	3	16	59.1	1008	1266	509.98	
11	3	16	94.6	1773	1952	156.4	
12	1	16	64.8			230.4	

Statistics 19 (ChirpCenter Frequency: 5494 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	5	96.9	1274	1287	1101.1	1
2	2	5	79.2	1210		828.657	
3	1	5	99.6			152.953	
4	2	5	97.7	1625		600.12	
5	2	5	73.8	1018		1200.027	
6	2	5	76.5	1395		601.543	
7	3	5	78.4	1067	1696	1023.88	
8	2	5	72.1	1392		644.447	
9	3	5	52.9	1371	1478	803.233	

Statistics 20 (ChirpCenter Frequency: 5496.4 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	11	51.2	1833		668.69	1
2	3	11	99.4	2000	1747	879.863	
3	1	11	88.6			752.346	
4	3	11	83.4	1846	1230	736.069	
5	2	11	58.3	1078		502.432	
6	1	11	91.5			142.515	
7	2	11	88.5	1048		22.218	
8	2	11	99.7	1844		889.282	
9	2	11	78.8	1033		469.675	
10	1	11	55			472.828	
11	1	11	98.1			498.711	
12	3	11	95.3	1008	1453	421.354	
13	3	11	93	1606	1128	608.177	

Statistics 21 (ChirpCenter Frequency: 5524.8 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	8	70.2	1829	1556	43.16	1
2	2	8	62.8	1861		490.15	
3	2	8	91.2	1557		538.94	
4	3	8	65.3	1753	1375	178.45	
5	3	8	98.1	1607	1409	489.58	
6	3	8	73.7	1230	1450	235.01	
7	2	8	78.8	1956		498.04	
8	2	8	87.9	1943		289.42	
9	2	8	96.2	1741		506.78	
10	1	8	55.9			285.23	
11	3	8	85	1007	1734	34.37	
12	2	8	93.9	1485		272.28	
13	3	8	84.6	1191	1665	510.02	
14	3	8	53.2	1458	1419	531.5	
15	2	8	85.2	1655		63.3	
16	1	8	79.5			478.1	

Statistics 22 (ChirpCenter Frequency: 5525.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	7	77.4	1695	1067	1121.2	1
2	2	7	99.1	1540		1304.117	
3	1	7	97.3			892.083	
4	3	7	88.5	1077	1742	1037.95	
5	3	7	88.7	1694	1319	796.997	
6	1	7	93.2			633.343	
7	2	7	77.8	1893		1296.93	
8	1	7	66.5			150.867	
9	2	7	91.4	1224		998.133	

Statistics 23(ChirpCenter Frequency: 5524 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	10	78.4	1688		506.21	1
2	2	10	87.9	1527		406.92	
3	3	10	77.8	1448	1436	150.35	
4	2	10	55.4	1774		35.62	
5	1	10	68.1			294.86	
6	1	10	75.8			68.14	
7	2	10	84.1	1998		111.38	
8	3	10	66.1	1437	1440	81.6	
9	1	10	74.2			75.71	
10	2	10	83.8	1875		591.34	
11	3	10	88.2	1176	1722	26.74	
12	3	10	96	1130	1436	102.07	
13	3	10	93.1	1214	1854	128.73	
14	3	10	71.6	1772	1255	6.28	
15	2	10	56.6	1631		581.5	
16	1	10	91.9			643.5	

Statistics 24(ChirpCenter Frequency: 5520.8 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	18	61.2	1683		579.159	1
2	1	18	90.8			0.92	
3	2	18	56.7	1985		526.64	
4	3	18	61.5	1834	1070	854.95	
5	1	18	63.9			199.93	
6	1	18	58.3			50.18	
7	1	18	65.7			180.98	
8	2	18	57.5	1882		854.21	
9	2	18	69.1	1077		645.23	
10	1	18	95.7			922.56	
11	2	18	54.1	1134		558.6	
12	1	18	85.8			177.6	

Statistics 25(ChirpCenter Frequency: 5521.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	17	58.3	1778		706.006	1
2	2	17	93.4	1043		315.98	
3	3	17	77.9	1402	1546	881.75	
4	2	17	77.6	1689		417.91	
5	3	17	65.9	1575	1761	198.78	
6	2	17	83.3	1953		750.16	
7	2	17	88.6	1246		137.75	
8	3	17	58.3	1281	1597	828.92	
9	3	17	59.8	1324	1909	605.1	
10	3	17	61.7	1020	1238	1162.2	

Statistics 26 (ChirpCenter Frequency: 5525.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	7	96.5	1884		539.274	1
2	1	7	56.2			197.24	
3	1	7	53.4			22.16	
4	1	7	96.7			553.29	
5	2	7	92	1248		731.77	
6	3	7	68.1	1519	1104	863.12	
7	3	7	62.7	1366	1035	925.52	
8	2	7	82.8	1044		79.66	
9	1	7	63.3			371.87	
10	1	7	62			626.97	
11	3	7	75.1	1171	1460	145.2	
12	1	7	64.8			832.9	

Statistics 27 (ChirpCenter Frequency: 5521.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	17	76			695.66	1
2	1	17	97.6			526.75	
3	2	17	72.5	1268		354.34	
4	3	17	75	1162	1548	740.26	
5	2	17	93	2000		708.73	
6	2	17	62.5	1910		539.78	
7	3	17	94.7	1649	1131	736.54	
8	2	17	81.2	1595		517.77	
9	3	17	54.2	1096	1192	624.81	
10	2	17	78	1280		608.63	
11	2	17	60.9	1880		211.1	
12	2	17	83.8	1072		657	

Statistics 28 (ChirpCenter Frequency: 5525.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	7	74.7	1009		83.113	1
2	1	7	66.8			778.311	
3	3	7	55.5	1280	1052	407.592	
4	2	7	75.7	1097		759.453	
5	3	7	94.4	2000	1279	313.334	
6	3	7	77.6	1456	1350	255.535	
7	2	7	57.6	1365		868.665	
8	3	7	54.8	1351	1828	815.666	
9	2	7	97.6	1772		136.387	
10	2	7	65.4	1204		40.248	
11	2	7	94.5	1380		219.009	

Statistics 29 (ChirpCenter Frequency: 5522 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	15	73.2	1065	1009	301.21	1
2	2	15	87.8	1809		63.715	
3	1	15	88.7			381.24	
4	2	15	72.8	1751		748.84	
5	3	15	99.5	1093	1626	160.27	
6	2	15	55.2	1151		630.31	
7	2	15	71.5	1112		220.77	
8	2	15	70.5	1274		16.2	
9	2	15	95.1	1727		496.65	
10	2	15	52.2	1706		527.09	
11	3	15	72.1	1221	1381	202.92	
12	2	15	86.4	1363		79.43	
13	2	15	92.3	1375		72.03	
14	2	15	98.8	1553		776.1	
15	2	15	92	1964		760.7	

Statistics 30 (ChirpCenter Frequency: 5522.4 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	14	52.4	1858	1691	280.259	1
2	2	14	77.9	1985		673.61	
3	1	14	88.4			280.66	
4	3	14	52.2	1529	1408	521.2	
5	2	14	72.1	1884		25.21	
6	3	14	77.6	1309	1372	182.71	
7	3	14	82	1508	1034	767.28	
8	3	14	78.9	1442	1116	238.08	
9	2	14	92.9	1795		564.07	
10	2	14	55.9	1364		480.86	
11	2	14	52.5	1558		183.19	
12	3	14	96.1	1914	1289	364.52	
13	1	14	66.4			4.77	
14	2	14	63.4	1285		408.2	
15	3	14	51.5	1390	1471	331	

Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)	Hopping Sequence (GHz)
1	5510	9	1	333	1	5.495, 5.361, 5.556, 5.559, 5.470, 5.346, 5.663, 5.717, 5.288, 5.447, 5.464, 5.713, 5.667, 5.367, 5.605, 5.645, 5.539, 5.474, 5.589, 5.387, 5.567, 5.341, 5.255, 5.477, 5.531, 5.258, 5.590, 5.373, 5.604, 5.537, 5.594, 5.460, 5.626, 5.345, 5.528, 5.593, 5.562, 5.634, 5.665, 5.582, 5.272, 5.328, 5.400, 5.390, 5.694, 5.568, 5.720, 5.649, 5.541, 5.456, 5.466, 5.306, 5.709, 5.316, 5.275, 5.572, 5.689, 5.494, 5.329, 5.283, 5.684, 5.385, 5.428, 5.343, 5.536, 5.353, 5.703, 5.423, 5.358, 5.342, 5.445, 5.440, 5.602, 5.482, 5.547, 5.596, 5.326, 5.648, 5.383, 5.389, 5.543, 5.322, 5.420, 5.722, 5.664, 5.700, 5.386, 5.448, 5.599, 5.546, 5.588, 5.686, 5.500, 5.262, 5.716, 5.480, 5.284, 5.610, 5.331, 5.313
2	5510	9	1	333	1	5.617, 5.660, 5.427, 5.365, 5.390, 5.250, 5.601, 5.603, 5.359, 5.484, 5.457, 5.303, 5.353, 5.380, 5.424, 5.707, 5.446, 5.318, 5.699, 5.286, 5.643, 5.284, 5.674, 5.527, 5.406, 5.471, 5.432, 5.538, 5.514, 5.526, 5.697, 5.255, 5.301, 5.400, 5.351, 5.393, 5.535, 5.713, 5.528, 5.669, 5.252, 5.357, 5.468, 5.491, 5.300, 5.558, 5.541, 5.610, 5.525, 5.452, 5.696, 5.545, 5.364, 5.686, 5.700, 5.586, 5.634, 5.717, 5.627, 5.369, 5.606, 5.455, 5.431, 5.441, 5.276, 5.490, 5.310, 5.272, 5.575, 5.613, 5.520, 5.562, 5.578, 5.378, 5.299, 5.415, 5.407, 5.569, 5.278, 5.352, 5.408, 5.477, 5.694, 5.715, 5.557, 5.625, 5.510, 5.695, 5.449, 5.615, 5.458, 5.330, 5.618, 5.507, 5.723, 5.718, 5.719, 5.485, 5.307, 5.371
3	5510	9	1	333	1	5.638, 5.679, 5.448, 5.460, 5.450, 5.376, 5.518, 5.361, 5.699, 5.582, 5.263, 5.502, 5.463, 5.710, 5.564, 5.477, 5.696, 5.620, 5.277, 5.619, 5.546, 5.720, 5.714, 5.251, 5.309, 5.505, 5.479, 5.675, 5.581, 5.421, 5.402, 5.258, 5.301, 5.354, 5.487, 5.356, 5.539, 5.579, 5.495, 5.419, 5.331, 5.343, 5.708, 5.283, 5.686, 5.542, 5.533, 5.654, 5.523, 5.687, 5.327, 5.561, 5.390, 5.652, 5.630, 5.413, 5.290, 5.589, 5.491, 5.414, 5.427, 5.310, 5.444, 5.692, 5.289, 5.693, 5.381, 5.576, 5.457, 5.574, 5.440, 5.593, 5.642, 5.371, 5.676, 5.472, 5.395, 5.672, 5.471, 5.537, 5.603, 5.396, 5.441, 5.420, 5.355, 5.538, 5.721, 5.719, 5.280, 5.456, 5.317, 5.488, 5.473, 5.281, 5.684, 5.409, 5.292, 5.314, 5.307, 5.364
4	5510	9	1	333	1	5.292, 5.463, 5.591, 5.634, 5.635, 5.451, 5.320, 5.503, 5.473, 5.382, 5.584, 5.587,

						5.479, 5.421, 5.396, 5.558, 5.482, 5.612, 5.585, 5.627, 5.570, 5.548, 5.490, 5.595, 5.711, 5.352, 5.625, 5.508, 5.683, 5.309, 5.632, 5.440, 5.624, 5.600, 5.381, 5.533, 5.329, 5.429, 5.412, 5.495, 5.551, 5.631, 5.696, 5.270, 5.699, 5.555, 5.390, 5.369, 5.414, 5.293, 5.296, 5.671, 5.488, 5.544, 5.362, 5.658, 5.617, 5.423, 5.709, 5.540, 5.588, 5.501, 5.522, 5.599, 5.660, 5.653, 5.590, 5.326, 5.370, 5.267, 5.636, 5.410, 5.258, 5.539, 5.380, 5.596, 5.650, 5.302, 5.259, 5.486, 5.372, 5.497, 5.706, 5.416, 5.298, 5.695, 5.340, 5.351, 5.517, 5.422, 5.290, 5.605, 5.655, 5.574, 5.641, 5.512, 5.722, 5.687, 5.487, 5.437
5	5510	9	1	333	1	5.392, 5.507, 5.675, 5.251, 5.419, 5.696, 5.621, 5.362, 5.451, 5.411, 5.369, 5.632, 5.601, 5.589, 5.514, 5.709, 5.298, 5.266, 5.474, 5.550, 5.445, 5.348, 5.458, 5.583, 5.600, 5.302, 5.481, 5.502, 5.637, 5.598, 5.258, 5.643, 5.651, 5.661, 5.552, 5.461, 5.523, 5.577, 5.337, 5.485, 5.498, 5.397, 5.351, 5.295, 5.257, 5.264, 5.489, 5.627, 5.449, 5.460, 5.250, 5.340, 5.418, 5.446, 5.582, 5.305, 5.347, 5.554, 5.422, 5.659, 5.712, 5.641, 5.571, 5.602, 5.711, 5.294, 5.492, 5.693, 5.394, 5.614, 5.385, 5.513, 5.425, 5.615, 5.274, 5.467, 5.429, 5.389, 5.349, 5.325, 5.459, 5.256, 5.679, 5.410, 5.491, 5.546, 5.374, 5.563, 5.334, 5.596, 5.566, 5.278, 5.312, 5.558, 5.455, 5.578, 5.364, 5.261, 5.718, 5.629
6	5510	9	1	333	1	5.610, 5.405, 5.672, 5.452, 5.553, 5.257, 5.418, 5.471, 5.324, 5.312, 5.636, 5.414, 5.575, 5.293, 5.319, 5.276, 5.270, 5.469, 5.367, 5.677, 5.466, 5.344, 5.343, 5.648, 5.325, 5.632, 5.284, 5.373, 5.563, 5.461, 5.530, 5.523, 5.459, 5.426, 5.430, 5.542, 5.331, 5.292, 5.605, 5.456, 5.477, 5.502, 5.510, 5.407, 5.568, 5.633, 5.652, 5.649, 5.462, 5.334, 5.713, 5.658, 5.330, 5.686, 5.302, 5.420, 5.280, 5.473, 5.323, 5.277, 5.305, 5.524, 5.364, 5.507, 5.570, 5.413, 5.495, 5.489, 5.266, 5.377, 5.598, 5.525, 5.587, 5.583, 5.318, 5.379, 5.624, 5.355, 5.685, 5.336, 5.283, 5.514, 5.346, 5.252, 5.262, 5.531, 5.454, 5.358, 5.445, 5.549, 5.716, 5.492, 5.564, 5.642, 5.491, 5.590, 5.577, 5.353, 5.637, 5.638
7	5510	9	1	333	1	5.262, 5.359, 5.290, 5.252, 5.423, 5.388, 5.558, 5.376, 5.710, 5.525, 5.325, 5.636, 5.693, 5.569, 5.282, 5.555, 5.293, 5.270, 5.527, 5.708, 5.596, 5.311, 5.566, 5.372, 5.480, 5.655, 5.316, 5.379, 5.275, 5.285, 5.494, 5.401, 5.258, 5.485, 5.506, 5.300, 5.594, 5.347, 5.640, 5.700, 5.625, 5.475, 5.443, 5.279, 5.341, 5.591, 5.409, 5.362, 5.593, 5.313, 5.577, 5.254, 5.669, 5.523, 5.413, 5.382, 5.677, 5.392, 5.288, 5.387,

						5.622, 5.561, 5.584, 5.703, 5.528, 5.265, 5.518, 5.289, 5.481, 5.582, 5.329, 5.511, 5.712, 5.405, 5.499, 5.505, 5.373, 5.510, 5.705, 5.660, 5.646, 5.519, 5.324, 5.492, 5.667, 5.326, 5.638, 5.439, 5.699, 5.456, 5.687, 5.704, 5.685, 5.489, 5.343, 5.565, 5.466, 5.718, 5.403, 5.524
8	5510	9	1	333	1	5.496, 5.671, 5.640, 5.325, 5.519, 5.684, 5.516, 5.377, 5.545, 5.414, 5.459, 5.602, 5.420, 5.560, 5.493, 5.466, 5.655, 5.699, 5.376, 5.723, 5.333, 5.711, 5.375, 5.716, 5.343, 5.368, 5.301, 5.538, 5.381, 5.285, 5.527, 5.604, 5.267, 5.682, 5.290, 5.490, 5.341, 5.407, 5.281, 5.584, 5.440, 5.485, 5.646, 5.542, 5.643, 5.494, 5.641, 5.425, 5.357, 5.488, 5.633, 5.700, 5.378, 5.664, 5.270, 5.524, 5.373, 5.582, 5.404, 5.498, 5.504, 5.686, 5.468, 5.432, 5.520, 5.541, 5.523, 5.320, 5.601, 5.674, 5.536, 5.253, 5.712, 5.460, 5.477, 5.405, 5.492, 5.416, 5.513, 5.529, 5.265, 5.717, 5.662, 5.484, 5.567, 5.677, 5.634, 5.617, 5.369, 5.385, 5.653, 5.624, 5.705, 5.340, 5.358, 5.274, 5.665, 5.548, 5.629, 5.701
9	5510	9	1	333	1	5.467, 5.634, 5.311, 5.703, 5.294, 5.685, 5.579, 5.379, 5.642, 5.487, 5.583, 5.478, 5.693, 5.590, 5.262, 5.292, 5.351, 5.328, 5.366, 5.660, 5.500, 5.472, 5.285, 5.452, 5.692, 5.530, 5.345, 5.656, 5.393, 5.361, 5.444, 5.397, 5.417, 5.468, 5.614, 5.408, 5.445, 5.612, 5.555, 5.406, 5.414, 5.527, 5.486, 5.288, 5.509, 5.253, 5.477, 5.554, 5.309, 5.649, 5.391, 5.399, 5.674, 5.489, 5.353, 5.623, 5.658, 5.358, 5.277, 5.645, 5.566, 5.495, 5.329, 5.330, 5.483, 5.473, 5.601, 5.695, 5.533, 5.576, 5.618, 5.683, 5.670, 5.372, 5.385, 5.536, 5.556, 5.663, 5.701, 5.420, 5.485, 5.582, 5.564, 5.517, 5.471, 5.544, 5.688, 5.259, 5.630, 5.305, 5.608, 5.550, 5.352, 5.704, 5.573, 5.451, 5.323, 5.317, 5.542, 5.498
10	5510	9	1	333	1	5.664, 5.482, 5.501, 5.683, 5.363, 5.345, 5.400, 5.410, 5.375, 5.325, 5.383, 5.658, 5.537, 5.419, 5.677, 5.710, 5.571, 5.393, 5.357, 5.490, 5.367, 5.696, 5.262, 5.542, 5.309, 5.565, 5.697, 5.671, 5.431, 5.388, 5.366, 5.316, 5.618, 5.326, 5.396, 5.569, 5.529, 5.371, 5.458, 5.611, 5.440, 5.627, 5.721, 5.298, 5.297, 5.293, 5.308, 5.659, 5.313, 5.374, 5.491, 5.603, 5.574, 5.655, 5.285, 5.352, 5.559, 5.264, 5.453, 5.685, 5.646, 5.648, 5.645, 5.331, 5.509, 5.585, 5.455, 5.354, 5.486, 5.506, 5.365, 5.444, 5.276, 5.414, 5.525, 5.706, 5.266, 5.555, 5.527, 5.402, 5.693, 5.567, 5.395, 5.653, 5.634, 5.540, 5.719, 5.471, 5.562, 5.422, 5.292, 5.590, 5.625, 5.589, 5.548, 5.476, 5.437, 5.369, 5.454, 5.424
11	5510	9	1	333	1	5.320, 5.533, 5.355, 5.322, 5.539, 5.334, 5.682, 5.583, 5.254, 5.541, 5.290, 5.454,

						5.399, 5.560, 5.716, 5.466, 5.326, 5.493, 5.381, 5.442, 5.256, 5.557, 5.482, 5.664, 5.525, 5.693, 5.315, 5.432, 5.553, 5.379, 5.353, 5.284, 5.424, 5.640, 5.524, 5.383, 5.601, 5.528, 5.385, 5.472, 5.511, 5.423, 5.314, 5.396, 5.370, 5.448, 5.412, 5.613, 5.666, 5.395, 5.561, 5.603, 5.633, 5.289, 5.449, 5.551, 5.648, 5.532, 5.656, 5.345, 5.622, 5.329, 5.678, 5.274, 5.657, 5.408, 5.293, 5.649, 5.615, 5.498, 5.520, 5.452, 5.367, 5.626, 5.285, 5.710, 5.414, 5.606, 5.592, 5.361, 5.711, 5.373, 5.397, 5.629, 5.704, 5.376, 5.465, 5.677, 5.574, 5.497, 5.297, 5.699, 5.354, 5.653, 5.668, 5.688, 5.512, 5.697, 5.644, 5.631
12	5510	9	1	333	1	5.719, 5.633, 5.374, 5.418, 5.333, 5.644, 5.553, 5.668, 5.347, 5.611, 5.667, 5.720, 5.495, 5.485, 5.456, 5.619, 5.628, 5.276, 5.687, 5.514, 5.511, 5.575, 5.349, 5.711, 5.380, 5.303, 5.584, 5.427, 5.704, 5.703, 5.504, 5.261, 5.482, 5.603, 5.526, 5.677, 5.398, 5.691, 5.606, 5.724, 5.684, 5.624, 5.651, 5.647, 5.645, 5.673, 5.671, 5.621, 5.389, 5.708, 5.696, 5.404, 5.455, 5.411, 5.263, 5.309, 5.311, 5.350, 5.660, 5.613, 5.440, 5.583, 5.438, 5.608, 5.271, 5.560, 5.537, 5.373, 5.682, 5.401, 5.616, 5.519, 5.604, 5.587, 5.377, 5.627, 5.508, 5.664, 5.701, 5.637, 5.286, 5.345, 5.716, 5.369, 5.566, 5.454, 5.273, 5.471, 5.348, 5.550, 5.264, 5.544, 5.713, 5.517, 5.281, 5.680, 5.649, 5.657, 5.344, 5.291
13	5510	9	1	333	1	5.718, 5.343, 5.640, 5.580, 5.374, 5.470, 5.253, 5.434, 5.533, 5.277, 5.663, 5.424, 5.508, 5.269, 5.528, 5.257, 5.588, 5.479, 5.723, 5.673, 5.562, 5.473, 5.452, 5.378, 5.598, 5.420, 5.495, 5.464, 5.315, 5.701, 5.444, 5.566, 5.686, 5.529, 5.498, 5.402, 5.458, 5.300, 5.689, 5.575, 5.619, 5.589, 5.694, 5.349, 5.488, 5.453, 5.328, 5.293, 5.449, 5.547, 5.264, 5.350, 5.581, 5.618, 5.423, 5.649, 5.632, 5.446, 5.625, 5.309, 5.409, 5.678, 5.549, 5.393, 5.527, 5.698, 5.520, 5.687, 5.685, 5.531, 5.476, 5.503, 5.691, 5.504, 5.660, 5.706, 5.400, 5.656, 5.676, 5.451, 5.609, 5.338, 5.394, 5.538, 5.561, 5.344, 5.669, 5.584, 5.672, 5.682, 5.548, 5.571, 5.715, 5.614, 5.302, 5.525, 5.630, 5.285, 5.431, 5.585
14	5510	9	1	333	1	5.579, 5.448, 5.253, 5.678, 5.652, 5.684, 5.526, 5.308, 5.434, 5.283, 5.710, 5.700, 5.480, 5.720, 5.577, 5.568, 5.669, 5.649, 5.406, 5.296, 5.314, 5.586, 5.432, 5.723, 5.558, 5.329, 5.426, 5.411, 5.490, 5.340, 5.323, 5.513, 5.336, 5.514, 5.590, 5.446, 5.638, 5.694, 5.604, 5.606, 5.353, 5.563, 5.519, 5.565, 5.384, 5.381, 5.275, 5.379, 5.481, 5.619, 5.413, 5.662, 5.667, 5.550, 5.676, 5.403, 5.688, 5.674, 5.457, 5.256,

						5.535, 5.274, 5.462, 5.707, 5.584, 5.327, 5.352, 5.543, 5.370, 5.714, 5.555, 5.572, 5.596, 5.389, 5.537, 5.541, 5.518, 5.436, 5.608, 5.689, 5.435, 5.271, 5.420, 5.456, 5.268, 5.359, 5.361, 5.455, 5.492, 5.394, 5.634, 5.639, 5.630, 5.476, 5.485, 5.281, 5.450, 5.585, 5.633, 5.600
15	5510	9	1	333	1	5.388, 5.658, 5.639, 5.437, 5.519, 5.496, 5.634, 5.526, 5.626, 5.432, 5.328, 5.648, 5.451, 5.318, 5.274, 5.359, 5.663, 5.537, 5.322, 5.303, 5.532, 5.489, 5.341, 5.563, 5.327, 5.367, 5.671, 5.572, 5.390, 5.252, 5.334, 5.556, 5.402, 5.386, 5.272, 5.689, 5.652, 5.302, 5.547, 5.374, 5.467, 5.576, 5.688, 5.379, 5.577, 5.628, 5.422, 5.377, 5.603, 5.261, 5.491, 5.357, 5.319, 5.494, 5.509, 5.347, 5.461, 5.562, 5.265, 5.630, 5.710, 5.298, 5.505, 5.335, 5.387, 5.475, 5.266, 5.419, 5.381, 5.287, 5.696, 5.314, 5.599, 5.571, 5.355, 5.299, 5.449, 5.267, 5.271, 5.458, 5.625, 5.250, 5.281, 5.698, 5.259, 5.719, 5.354, 5.339, 5.592, 5.375, 5.396, 5.722, 5.548, 5.441, 5.477, 5.448, 5.300, 5.315, 5.346, 5.316
16	5510	9	1	333	1	5.554, 5.483, 5.552, 5.262, 5.700, 5.574, 5.614, 5.314, 5.528, 5.532, 5.494, 5.469, 5.441, 5.630, 5.407, 5.562, 5.485, 5.596, 5.529, 5.378, 5.401, 5.702, 5.369, 5.539, 5.511, 5.502, 5.400, 5.623, 5.569, 5.542, 5.346, 5.318, 5.610, 5.357, 5.692, 5.331, 5.565, 5.393, 5.627, 5.451, 5.551, 5.576, 5.440, 5.304, 5.698, 5.644, 5.448, 5.450, 5.568, 5.409, 5.267, 5.582, 5.338, 5.388, 5.289, 5.540, 5.608, 5.479, 5.490, 5.399, 5.705, 5.669, 5.556, 5.680, 5.266, 5.258, 5.671, 5.358, 5.649, 5.370, 5.719, 5.353, 5.499, 5.521, 5.442, 5.403, 5.273, 5.482, 5.676, 5.298, 5.384, 5.585, 5.279, 5.381, 5.286, 5.290, 5.544, 5.464, 5.503, 5.326, 5.579, 5.717, 5.634, 5.466, 5.272, 5.716, 5.604, 5.498, 5.359, 5.527
17	5510	9	1	333	1	5.344, 5.649, 5.411, 5.604, 5.462, 5.312, 5.430, 5.661, 5.498, 5.690, 5.406, 5.414, 5.587, 5.648, 5.673, 5.510, 5.367, 5.418, 5.351, 5.516, 5.492, 5.660, 5.464, 5.643, 5.539, 5.409, 5.332, 5.437, 5.438, 5.558, 5.572, 5.560, 5.362, 5.708, 5.254, 5.591, 5.606, 5.474, 5.483, 5.503, 5.314, 5.547, 5.655, 5.419, 5.296, 5.576, 5.253, 5.583, 5.429, 5.701, 5.682, 5.653, 5.473, 5.588, 5.443, 5.639, 5.444, 5.611, 5.506, 5.287, 5.360, 5.313, 5.363, 5.543, 5.695, 5.258, 5.608, 5.400, 5.447, 5.365, 5.684, 5.534, 5.394, 5.275, 5.602, 5.322, 5.578, 5.582, 5.413, 5.266, 5.402, 5.551, 5.341, 5.668, 5.575, 5.458, 5.651, 5.596, 5.561, 5.415, 5.398, 5.675, 5.667, 5.601, 5.490, 5.434, 5.504, 5.568, 5.590, 5.625
18	5510	9	1	333	1	5.300, 5.299, 5.329, 5.663, 5.683, 5.257, 5.377, 5.295, 5.621, 5.290, 5.695, 5.389,

						5.567, 5.575, 5.267, 5.451, 5.531, 5.653, 5.537, 5.410, 5.677, 5.580, 5.368, 5.661, 5.473, 5.470, 5.619, 5.634, 5.315, 5.558, 5.657, 5.647, 5.491, 5.573, 5.273, 5.704, 5.354, 5.626, 5.615, 5.480, 5.331, 5.488, 5.559, 5.339, 5.381, 5.640, 5.589, 5.280, 5.291, 5.610, 5.375, 5.424, 5.684, 5.540, 5.623, 5.630, 5.688, 5.498, 5.604, 5.308, 5.435, 5.631, 5.708, 5.422, 5.347, 5.694, 5.358, 5.514, 5.517, 5.550, 5.386, 5.459, 5.585, 5.384, 5.658, 5.642, 5.395, 5.588, 5.431, 5.413, 5.487, 5.323, 5.553, 5.557, 5.617, 5.359, 5.643, 5.428, 5.484, 5.416, 5.356, 5.349, 5.638, 5.715, 5.398, 5.277, 5.692, 5.709, 5.307, 5.569
19	5510	9	1	333	1	5.492, 5.330, 5.568, 5.675, 5.572, 5.347, 5.593, 5.619, 5.289, 5.702, 5.443, 5.355, 5.377, 5.458, 5.387, 5.555, 5.721, 5.365, 5.533, 5.552, 5.478, 5.698, 5.369, 5.266, 5.380, 5.713, 5.288, 5.421, 5.461, 5.440, 5.720, 5.282, 5.659, 5.656, 5.511, 5.271, 5.705, 5.404, 5.613, 5.497, 5.274, 5.522, 5.569, 5.354, 5.689, 5.314, 5.703, 5.509, 5.553, 5.508, 5.573, 5.523, 5.653, 5.581, 5.631, 5.527, 5.418, 5.582, 5.489, 5.452, 5.690, 5.634, 5.414, 5.344, 5.450, 5.337, 5.262, 5.667, 5.637, 5.281, 5.321, 5.326, 5.260, 5.658, 5.379, 5.501, 5.608, 5.672, 5.624, 5.493, 5.528, 5.410, 5.303, 5.265, 5.333, 5.441, 5.269, 5.615, 5.366, 5.389, 5.256, 5.722, 5.391, 5.551, 5.287, 5.469, 5.503, 5.360, 5.275, 5.498
20	5510	9	1	333	1	5.367, 5.666, 5.401, 5.352, 5.645, 5.648, 5.448, 5.450, 5.708, 5.274, 5.337, 5.437, 5.551, 5.523, 5.607, 5.641, 5.253, 5.644, 5.267, 5.630, 5.495, 5.657, 5.282, 5.292, 5.499, 5.458, 5.257, 5.561, 5.473, 5.583, 5.446, 5.647, 5.522, 5.374, 5.350, 5.254, 5.699, 5.424, 5.471, 5.481, 5.362, 5.650, 5.371, 5.686, 5.395, 5.575, 5.514, 5.430, 5.658, 5.336, 5.295, 5.271, 5.626, 5.394, 5.619, 5.604, 5.703, 5.574, 5.251, 5.628, 5.488, 5.288, 5.678, 5.303, 5.279, 5.602, 5.255, 5.563, 5.457, 5.252, 5.516, 5.638, 5.579, 5.569, 5.714, 5.721, 5.570, 5.411, 5.290, 5.564, 5.593, 5.605, 5.610, 5.643, 5.301, 5.667, 5.309, 5.687, 5.483, 5.432, 5.443, 5.340, 5.587, 5.266, 5.669, 5.434, 5.427, 5.474, 5.420, 5.379
21	5510	9	1	333	1	5.462, 5.376, 5.588, 5.719, 5.654, 5.565, 5.687, 5.685, 5.412, 5.619, 5.608, 5.637, 5.263, 5.255, 5.312, 5.497, 5.681, 5.283, 5.675, 5.537, 5.667, 5.455, 5.287, 5.281, 5.620, 5.409, 5.430, 5.702, 5.436, 5.661, 5.703, 5.429, 5.704, 5.425, 5.636, 5.267, 5.543, 5.473, 5.367, 5.638, 5.398, 5.347, 5.472, 5.583, 5.693, 5.591, 5.504, 5.724, 5.434, 5.348, 5.540, 5.463, 5.277, 5.534, 5.289, 5.614, 5.331, 5.593, 5.290, 5.533,

						5.411, 5.721, 5.439, 5.580, 5.513, 5.423, 5.676, 5.574, 5.294, 5.448, 5.275, 5.649, 5.301, 5.388, 5.304, 5.571, 5.496, 5.691, 5.426, 5.696, 5.572, 5.343, 5.475, 5.349, 5.684, 5.484, 5.558, 5.643, 5.600, 5.271, 5.587, 5.268, 5.284, 5.364, 5.630, 5.357, 5.371, 5.575, 5.483, 5.441
22	5510	9	1	333	1	5.365, 5.621, 5.586, 5.710, 5.402, 5.377, 5.567, 5.298, 5.699, 5.446, 5.711, 5.326, 5.374, 5.390, 5.653, 5.465, 5.550, 5.490, 5.624, 5.347, 5.577, 5.441, 5.639, 5.418, 5.548, 5.610, 5.339, 5.661, 5.320, 5.589, 5.378, 5.286, 5.616, 5.346, 5.700, 5.252, 5.529, 5.255, 5.268, 5.331, 5.420, 5.552, 5.687, 5.565, 5.681, 5.645, 5.658, 5.372, 5.345, 5.297, 5.400, 5.371, 5.449, 5.364, 5.334, 5.432, 5.440, 5.579, 5.642, 5.314, 5.507, 5.523, 5.276, 5.525, 5.588, 5.359, 5.404, 5.391, 5.492, 5.688, 5.375, 5.469, 5.656, 5.622, 5.519, 5.637, 5.459, 5.713, 5.497, 5.327, 5.387, 5.356, 5.338, 5.270, 5.388, 5.575, 5.633, 5.691, 5.453, 5.600, 5.373, 5.533, 5.360, 5.607, 5.445, 5.578, 5.330, 5.343, 5.708, 5.655
23	5510	9	1	333	1	5.290, 5.322, 5.459, 5.354, 5.329, 5.625, 5.289, 5.457, 5.507, 5.671, 5.529, 5.490, 5.700, 5.494, 5.540, 5.283, 5.468, 5.458, 5.270, 5.426, 5.499, 5.442, 5.518, 5.684, 5.666, 5.406, 5.519, 5.708, 5.385, 5.396, 5.386, 5.699, 5.479, 5.702, 5.492, 5.357, 5.502, 5.624, 5.365, 5.297, 5.390, 5.630, 5.607, 5.488, 5.644, 5.377, 5.685, 5.431, 5.326, 5.318, 5.260, 5.302, 5.433, 5.360, 5.296, 5.382, 5.524, 5.462, 5.471, 5.564, 5.313, 5.539, 5.520, 5.483, 5.550, 5.517, 5.698, 5.295, 5.652, 5.667, 5.570, 5.383, 5.557, 5.567, 5.418, 5.577, 5.500, 5.528, 5.558, 5.498, 5.452, 5.487, 5.417, 5.434, 5.495, 5.718, 5.473, 5.496, 5.583, 5.446, 5.341, 5.590, 5.526, 5.444, 5.355, 5.693, 5.413, 5.723, 5.661, 5.435
24	5510	9	1	333	1	5.722, 5.575, 5.465, 5.453, 5.551, 5.305, 5.267, 5.664, 5.647, 5.425, 5.418, 5.311, 5.714, 5.641, 5.669, 5.511, 5.585, 5.509, 5.461, 5.577, 5.531, 5.507, 5.615, 5.313, 5.363, 5.527, 5.316, 5.344, 5.488, 5.357, 5.520, 5.264, 5.394, 5.364, 5.323, 5.255, 5.294, 5.345, 5.580, 5.702, 5.526, 5.618, 5.312, 5.558, 5.708, 5.512, 5.387, 5.546, 5.413, 5.440, 5.675, 5.663, 5.485, 5.416, 5.377, 5.640, 5.653, 5.567, 5.276, 5.438, 5.365, 5.369, 5.450, 5.463, 5.279, 5.623, 5.541, 5.328, 5.353, 5.409, 5.286, 5.343, 5.273, 5.252, 5.533, 5.707, 5.462, 5.724, 5.397, 5.715, 5.599, 5.696, 5.386, 5.410, 5.666, 5.632, 5.565, 5.309, 5.383, 5.522, 5.706, 5.329, 5.514, 5.692, 5.297, 5.314, 5.557, 5.698, 5.342, 5.466

25	5510	9	1	333	1	5.493, 5.454, 5.379, 5.401, 5.685, 5.438, 5.588, 5.380, 5.447, 5.287, 5.621, 5.516, 5.557, 5.546, 5.720, 5.432, 5.440, 5.708, 5.515, 5.415, 5.324, 5.700, 5.337, 5.682, 5.391, 5.630, 5.583, 5.328, 5.559, 5.448, 5.644, 5.573, 5.717, 5.602, 5.478, 5.543, 5.404, 5.307, 5.506, 5.434, 5.311, 5.692, 5.418, 5.458, 5.371, 5.722, 5.628, 5.333, 5.271, 5.398, 5.389, 5.365, 5.650, 5.399, 5.632, 5.441, 5.258, 5.330, 5.642, 5.578, 5.346, 5.257, 5.500, 5.589, 5.384, 5.316, 5.435, 5.460, 5.442, 5.273, 5.373, 5.652, 5.683, 5.424, 5.464, 5.503, 5.590, 5.300, 5.620, 5.714, 5.641, 5.407, 5.281, 5.530, 5.323, 5.534, 5.315, 5.381, 5.303, 5.600, 5.703, 5.329, 5.501, 5.690, 5.269, 5.445, 5.436, 5.291, 5.696, 5.523
26	5510	9	1	333	1	5.358, 5.661, 5.360, 5.489, 5.271, 5.523, 5.402, 5.623, 5.710, 5.703, 5.632, 5.578, 5.273, 5.580, 5.340, 5.257, 5.321, 5.281, 5.532, 5.520, 5.396, 5.579, 5.502, 5.659, 5.527, 5.598, 5.494, 5.337, 5.375, 5.261, 5.676, 5.556, 5.548, 5.403, 5.615, 5.346, 5.451, 5.289, 5.641, 5.377, 5.490, 5.595, 5.416, 5.283, 5.535, 5.387, 5.617, 5.550, 5.672, 5.477, 5.421, 5.316, 5.546, 5.564, 5.319, 5.299, 5.407, 5.586, 5.610, 5.353, 5.560, 5.687, 5.259, 5.567, 5.576, 5.428, 5.297, 5.538, 5.361, 5.569, 5.434, 5.627, 5.413, 5.605, 5.405, 5.530, 5.589, 5.536, 5.681, 5.410, 5.468, 5.309, 5.461, 5.592, 5.463, 5.573, 5.691, 5.517, 5.547, 5.440, 5.695, 5.376, 5.431, 5.480, 5.424, 5.438, 5.291, 5.660, 5.349, 5.552
27	5510	9	1	333	1	5.570, 5.617, 5.632, 5.374, 5.631, 5.492, 5.664, 5.357, 5.254, 5.344, 5.456, 5.365, 5.263, 5.514, 5.332, 5.684, 5.683, 5.441, 5.592, 5.469, 5.717, 5.373, 5.529, 5.605, 5.643, 5.260, 5.691, 5.644, 5.688, 5.667, 5.275, 5.538, 5.313, 5.613, 5.642, 5.376, 5.432, 5.535, 5.430, 5.445, 5.356, 5.515, 5.319, 5.457, 5.403, 5.476, 5.625, 5.620, 5.467, 5.708, 5.285, 5.380, 5.400, 5.619, 5.537, 5.658, 5.552, 5.459, 5.520, 5.498, 5.326, 5.322, 5.484, 5.440, 5.636, 5.494, 5.253, 5.302, 5.269, 5.487, 5.586, 5.415, 5.641, 5.577, 5.525, 5.639, 5.448, 5.375, 5.607, 5.346, 5.568, 5.267, 5.360, 5.407, 5.475, 5.281, 5.477, 5.383, 5.679, 5.386, 5.361, 5.405, 5.528, 5.315, 5.452, 5.491, 5.562, 5.408, 5.342, 5.479
28	5510	9	1	333	1	5.439, 5.353, 5.580, 5.704, 5.338, 5.703, 5.346, 5.402, 5.412, 5.476, 5.464, 5.700, 5.261, 5.551, 5.574, 5.400, 5.265, 5.602, 5.600, 5.329, 5.395, 5.620, 5.339, 5.549, 5.379, 5.565, 5.308, 5.483, 5.566, 5.356, 5.352, 5.567, 5.406, 5.657, 5.721, 5.504, 5.280, 5.542, 5.573, 5.289, 5.564, 5.264, 5.470, 5.361, 5.546, 5.561, 5.425, 5.314, 5.462, 5.522, 5.396, 5.608, 5.496, 5.331,

						5.633, 5.624, 5.512, 5.380, 5.563, 5.570, 5.384, 5.287, 5.609, 5.648, 5.705, 5.545, 5.712, 5.630, 5.376, 5.479, 5.651, 5.328, 5.697, 5.688, 5.293, 5.342, 5.662, 5.653, 5.257, 5.626, 5.263, 5.274, 5.251, 5.266, 5.562, 5.381, 5.335, 5.695, 5.672, 5.260, 5.605, 5.360, 5.598, 5.292, 5.273, 5.363, 5.683, 5.714, 5.581, 5.310
29	5510	9	1	333	1	5.471, 5.707, 5.607, 5.576, 5.619, 5.315, 5.436, 5.280, 5.397, 5.569, 5.494, 5.668, 5.513, 5.285, 5.647, 5.618, 5.673, 5.441, 5.613, 5.394, 5.472, 5.252, 5.710, 5.492, 5.709, 5.299, 5.277, 5.530, 5.516, 5.542, 5.676, 5.718, 5.327, 5.630, 5.495, 5.704, 5.306, 5.574, 5.645, 5.665, 5.371, 5.466, 5.381, 5.271, 5.288, 5.660, 5.601, 5.594, 5.336, 5.485, 5.308, 5.364, 5.328, 5.402, 5.307, 5.483, 5.489, 5.275, 5.711, 5.578, 5.657, 5.419, 5.468, 5.562, 5.367, 5.412, 5.592, 5.434, 5.363, 5.540, 5.480, 5.253, 5.640, 5.629, 5.585, 5.548, 5.312, 5.503, 5.311, 5.401, 5.259, 5.642, 5.639, 5.374, 5.632, 5.355, 5.652, 5.470, 5.541, 5.272, 5.398, 5.512, 5.550, 5.424, 5.313, 5.505, 5.498, 5.499, 5.460, 5.556,
30	5510	9	1	333	1	5.673, 5.596, 5.459, 5.553, 5.551, 5.349, 5.590, 5.588, 5.474, 5.256, 5.709, 5.660, 5.446, 5.277, 5.462, 5.653, 5.692, 5.613, 5.343, 5.251, 5.440, 5.661, 5.393, 5.472, 5.402, 5.400, 5.398, 5.449, 5.665, 5.418, 5.721, 5.555, 5.508, 5.351, 5.257, 5.556, 5.253, 5.417, 5.570, 5.456, 5.408, 5.627, 5.564, 5.497, 5.649, 5.523, 5.310, 5.373, 5.680, 5.443, 5.285, 5.559, 5.385, 5.426, 5.419, 5.492, 5.298, 5.558, 5.413, 5.701, 5.357, 5.388, 5.580, 5.479, 5.565, 5.416, 5.317, 5.287, 5.353, 5.566, 5.339, 5.541, 5.681, 5.622, 5.488, 5.629, 5.460, 5.702, 5.562, 5.493, 5.534, 5.344, 5.617, 5.368, 5.524, 5.509, 5.571, 5.436, 5.290, 5.363, 5.333, 5.414, 5.693, 5.366, 5.536, 5.576, 5.406, 5.498, 5.447, 5.468

80MHz Bandwidth

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

Please refer to the following statistical tables:

5530 MHz

Radar Type 1A Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5530	61	1	878	1
2	5530	63	1	838	1
3	5530	89	1	598	1
4	5530	102	1	518	1
5	5530	59	1	898	1
6	5530	65	1	818	1
7	5530	78	1	678	1
8	5530	72	1	738	1
9	5530	83	1	638	1
10	5530	81	1	658	1
11	5530	98	1	538	1
12	5530	86	1	618	1
13	5530	58	1	918	1
14	5530	62	1	858	1
15	5530	67	1	798	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	5530	21	1	2582	1
2	5530	39	1	1363	1
3	5530	59	1	903	1
4	5530	49	1	1077	1
5	5530	50	1	1066	1
6	5530	33	1	1635	1
7	5530	25	1	2159	1
8	5530	20	1	2686	1
9	5530	53	1	1009	1
10	5530	35	1	1544	1
11	5530	32	1	1656	1
12	5530	18	1	3017	1
13	5530	21	1	2600	1
14	5530	18	1	3014	1
15	5530	19	1	2829	1
Detection Percentage: 100 % (>60%)					

Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5530	23	1	160	1
2	5530	27	4.1	185	1
3	5530	24	2.1	198	1
4	5530	23	2.3	196	1
5	5530	26	2.7	161	1
6	5530	29	3.7	178	1
7	5530	23	4	178	1
8	5530	27	3.6	164	1
9	5530	26	5	156	1
10	5530	28	1	155	1
11	5530	26	4	192	1
12	5530	27	2.1	187	1
13	5530	28	3.8	220	1
14	5530	28	3.5	225	1
15	5530	26	4.3	192	1
16	5530	27	3.1	224	1
17	5530	28	1.5	185	1
18	5530	28	3.9	160	1
19	5530	24	1.2	195	1
20	5530	28	2.2	221	1
21	5530	23	4.2	202	1
22	5530	27	2.7	152	1
23	5530	26	3	169	1
24	5530	27	3	220	1
25	5530	26	1.6	198	1
26	5530	27	3.8	196	1
27	5530	27	4.6	211	1
28	5530	27	4.2	209	1
29	5530	28	1.9	186	1
30	5530	25	1.9	176	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	5530	18	7.7	482	1
2	5530	17	9.4	237	1
3	5530	16	7.8	409	1
4	5530	17	8.9	315	1
5	5530	17	8.7	292	1
6	5530	17	7.1	405	1
7	5530	16	9.8	396	1
8	5530	16	8.4	420	1
9	5530	17	6.2	434	1
10	5530	18	7.2	253	1
11	5530	17	6.3	243	1
12	5530	16	6.1	298	1
13	5530	18	6.8	405	1
14	5530	16	7.1	460	1
15	5530	18	9.6	314	1
16	5530	17	6.6	459	1
17	5530	17	7.9	487	1
18	5530	18	6.6	298	1
19	5530	17	7.8	426	1
20	5530	17	7.7	336	1
21	5530	18	6.7	401	1
22	5530	18	6.1	279	1
23	5530	18	7.9	231	1
24	5530	18	9.9	456	1
25	5530	16	6.5	305	1
26	5530	17	6.6	275	1
27	5530	17	9.6	364	1
28	5530	18	7.6	234	1
29	5530	17	8.1	248	1
30	5530	17	7.1	269	1
Detection Percentage: 100% (>60%)					

Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5530	14	18.5	295	1
2	5530	12	15	458	1
3	5530	16	13.7	349	1
4	5530	14	18	472	1
5	5530	15	17.4	241	1
6	5530	16	13.4	280	1
7	5530	14	15.8	275	1
8	5530	16	12.9	202	1
9	5530	15	19.1	436	1
10	5530	12	17.1	418	1
11	5530	15	16.4	456	1
12	5530	15	15.3	392	1
13	5530	16	12.9	260	1
14	5530	14	13.6	365	1
15	5530	15	15.8	243	1
16	5530	14	15.4	213	1
17	5530	13	14.9	366	1
18	5530	14	11.1	298	1
19	5530	12	12.6	452	1
20	5530	15	17.2	283	1
21	5530	14	18.5	355	1
22	5530	13	19.4	469	1
23	5530	13	18	469	1
24	5530	15	12.5	324	1
25	5530	15	18.5	299	1
26	5530	16	19.4	329	1
27	5530	15	18.5	293	1
28	5530	13	18.4	414	1
29	5530	16	17.7	311	1
30	5530	14	11.7	301	1
Detection Percentage: 100 % (>60%)					

Radar Type 5 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5530MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	18	58.3			516.905	1
2	2	18	78.1	1872		278.554	
3	3	18	99	1507	1173	223.812	
4	3	18	63.9	1739	1784	579.223	
5	2	18	91.5	1475		4.704	
6	2	18	67.5	1643		570.615	
7	3	18	98.1	1962	1131	450.716	
8	1	18	78			339.037	
9	2	18	95.2	1008		498.038	
10	2	18	90	1578		10.739	
11	2	18	84.7	1484		282.791	
12	1	18	78.8			235.162	
13	1	18	85			430.583	
14	2	18	97.6	1372		222.674	
15	2	18	81.4	1655		606.185	
16	2	18	59.2	1268		563.716	
17	1	18	99.8			370.937	
18	2	18	56.5	1693		478.258	
19	1	18	76.7			32.979	

Statistics 2 (ChirpCenter Frequency: 5530 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	16	94.4	1960		426.631	1
2	2	16	59.8	1238		767.097	
3	2	16	81.8	1315		554.193	
4	2	16	54	1748		891.5	
5	3	16	66.2	1015	1597	295.037	
6	1	16	81.5			298.133	
7	2	16	81.4	1734		325.94	
8	1	16	68.5			952.367	
9	2	16	75.9	1075		1039.233	

Statistics 3 (ChirpCenter Frequency: 5530 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	19	60.1			105.329	1
2	2	19	88.9	1994		711.95	
3	3	19	59.3	1700	1139	503.89	
4	3	19	58.8	1990	1111	512.55	
5	2	19	51.6	1489		59.52	
6	3	19	82.5	1854	1844	221.43	
7	3	19	68	1000	1498	342.35	
8	1	19	60.5			758.72	
9	1	19	61.5			256.14	
10	1	19	56.3			568.13	
11	2	19	84.4	1639		660.94	
12	3	19	62.7	1752	1505	765.99	
13	2	19	54.7	1518		629.3	
14	3	19	65	1713	1990	63.9	
15	1	19	86.7			61.6	

Statistics 4 (ChirpCenter Frequency: 5530 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	13	59.3	1048		237.942	1
2	2	13	76.6	1295		43.346	
3	2	13	93.2	1887		59.987	
4	2	13	74.5	1249		391.37	
5	2	13	72.8	1496		16.993	
6	1	13	92.1			580.127	
7	3	13	79.9	1563	1483	149.28	
8	3	13	87.2	1698	1112	342.583	
9	1	13	51.9			477.097	
10	2	13	60.7	1662		615.04	
11	1	13	64.5			491.093	
12	1	13	77.3			35.257	
13	1	13	96.2			538.54	
14	1	13	65.3			599.663	
15	3	13	51.9	1131	1597	513.727	
16	3	13	90	1113	1220	475.5	
17	2	13	91.2	1705		262.233	
18	3	13	89.4	1454	1753	491.367	

Statistics 5 (ChirpCenter Frequency: 5530 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	7	73.2	1604		661.958	1
2	2	7	54.9	1026		746.927	
3	2	7	96.3	1649		808.774	
4	3	7	88.9	1357	1313	608.601	
5	2	7	90.4	1261		794.359	
6	1	7	52.9			139.496	
7	3	7	91.7	1524	1079	482.863	
8	1	7	69.7			724.67	
9	2	7	89.7	1031		117.237	
10	1	7	51			592.544	
11	2	7	89.4	1369		840.521	
12	2	7	73.3	1099		0.579	
13	3	7	78.3	1190	1154	208.886	
14	2	7	85.4	1541		588.043	

Statistics 6 (ChirpCenter Frequency: 5530 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	11	58.5	1975		453.404	1
2	1	11	82			869.16	
3	1	11	82			364.85	
4	3	11	61	1427	1662	636.36	
5	2	11	63.3	1595		295.09	
6	2	11	50.6	1437		35.87	
7	2	11	74.6	1720		654.67	
8	2	11	51.1	1896		489.35	
9	2	11	59.1	1121		582.24	
10	3	11	60	1591	1416	388.75	
11	2	11	73.4	1205		183.4	
12	3	11	74.6	1461	1582	73.7	

Statistics 7 (ChirpCenter Frequency: 5530 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	6	96	1209		275.965	1
2	3	6	85	1926	1107	46.565	
3	3	6	78.7	1287	1515	150.05	
4	2	6	93.2	1311		288.42	
5	2	6	86.8	1503		343.99	
6	3	6	78	1409	1341	424.89	
7	2	6	89.2	1219		414.82	
8	2	6	52.2	1951		584.68	
9	2	6	77.5	1327		301.2	
10	2	6	77.7	1255		675.97	
11	2	6	55.1	1621		165.1	
12	1	6	90.9			438.55	
13	2	6	83.4	1820		267.1	
14	1	6	74.4			23.18	
15	2	6	81	1180		637.7	
16	1	6	92.1			118.7	

Statistics 8 (ChirpCenter Frequency: 5530 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (μS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	7	86.2	1436		121.01	1
2	1	7	72.5			212.307	
3	2	7	66.5	1551		747.004	
4	2	7	83.8	1936		337.441	
5	1	7	54.7			171.659	
6	3	7	82.9	1425	1933	267.826	
7	3	7	66.1	1537	1224	594.603	
8	2	7	83.2	1162		581.85	
9	2	7	87.5	1788		737.757	
10	3	7	55.3	1396	1835	779.034	
11	3	7	90.6	1811	1416	729.471	
12	2	7	70.2	1866		565.559	
13	2	7	86.1	1410		715.086	
14	2	7	71.9	1026		549.943	

Statistics 9 (ChirpCenter Frequency: 5530 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	20	75.8	1113		120.687	1
2	2	20	58	1024		240.046	
3	1	20	61.9			548.202	
4	2	20	91.1	1100		567.853	
5	1	20	87.7			62.584	
6	2	20	90.8	1467		427.405	
7	3	20	69.2	1946	1790	407.356	
8	2	20	65.5	1346		407.117	
9	3	20	73.2	1872	1802	525.618	
10	2	20	99.5	1851		265.039	
11	1	20	67.2			66.221	
12	3	20	60.9	1068	1411	23.482	
13	1	20	77.1			500.123	
14	2	20	78.7	1171		249.874	
15	1	20	78.4			146.705	
16	2	20	73.7	1075		299.926	
17	2	20	95.7	1617		352.937	
18	1	20	58.8			440.558	
19	2	20	75.3	1463		512.379	

Statistics 10 (ChirpCenter Frequency: 5530 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	13	67.8	1046	1372	706.634	1
2	1	13	59.5			305.841	
3	2	13	73.1	1645		914.262	
4	3	13	52.1	1019	1679	929.473	
5	3	13	74.4	1312	1938	713.914	
6	3	13	80.3	1691	1299	484.835	
7	1	13	75.1			89.975	
8	3	13	75.9	1037	1027	930.016	
9	2	13	61.2	1074		665.347	
10	2	13	53.6	1228		845.218	
11	3	13	67.9	1049	1712	786.909	

Statistics 11 (ChirpCenter Frequency: 5494 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	5	72.2	1614	1191	240.246	1
2	1	5	71.5			1284.82	
3	3	5	78.5	1222	1163	1257.43	
4	3	5	98.2	1560	1495	1307.3	
5	3	5	60.8	1094	1803	994.61	
6	3	5	77.7	1147	1489	159.13	
7	2	5	93	1119		41.56	
8	1	5	89.7			94.4	

Statistics 12 (ChirpCenter Frequency: 5494.8 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	7	96.6	1234		1055.14	1
2	3	7	66.6	1742	1684	43.847	
3	3	7	96.2	1257	1474	779.203	
4	3	7	87.1	1011	1530	740.56	
5	1	7	79.1			521.957	
6	3	7	60.9	1900	1196	1072.703	
7	1	7	78.8			316.66	
8	3	7	93.2	1211	1295	1314.367	
9	2	7	95.7	1473		330.433	

Statistics 13 (ChirpCenter Frequency: 5496 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	10	51.7			174.086	1
2	2	10	72	1665		249.522	
3	3	10	88.7	1252	1977	274.492	
4	2	10	94.8	1023		479.133	
5	2	10	99.6	1312		58.314	
6	3	10	56.2	1169	1225	197.275	
7	2	10	73.1	1717		534.076	
8	1	10	59.2			176.317	
9	2	10	60.5	1857		498.928	
10	2	10	58.5	1445		404.009	
11	3	10	87.6	1496	1437	437.621	
12	3	10	57.9	1758	1080	101.372	
13	2	10	59.7	1749		454.593	
14	3	10	60.7	1776	1621	381.214	
15	2	10	57.9	1785		120.685	
16	3	10	57.6	1928	1610	265.086	
17	1	10	86			527.437	
18	1	10	57.3			556.558	
19	1	10	97.3			434.079	

Statistics 14 (ChirpCenter Frequency: 5500 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	20	52			13.923	1
2	2	20	71.1	1497		233.002	
3	2	20	88.8	1863		357.64	
4	3	20	68.2	1575	1365	376.8	
5	3	20	83.8	1439	1346	291.21	
6	2	20	51.6	1774		583.69	
7	3	20	77	1598	1426	169.09	
8	2	20	63.7	1489		119.31	
9	1	20	76.2			568.9	
10	2	20	69.6	1389		137.39	
11	1	20	91.2			500.16	
12	2	20	75.6	1758		219.92	
13	1	20	59.1			163.46	
14	1	20	82.5			24.38	
15	1	20	65.7			208.84	
16	3	20	57.8	1439	1645	68.04	
17	1	20	99.2			283.88	
18	2	20	84.2	1969		410.3	
19	1	20	87.9			173.1	
20	2	20	99.9	1402		250.2	

Statistics 15 (ChirpCenter Frequency: 5495.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	9	80.1	1436	1877	674.613	1
2	1	9	84.8			123.432	
3	1	9	70.9			457.72	
4	2	9	60.1	1000		429.66	
5	2	9	67.1	1811		658.43	
6	1	9	58.9			484.96	
7	2	9	66.6	1578		729.79	
8	1	9	96.4			204.15	
9	1	9	56.9			672.84	
10	2	9	84.9	1829		439.4	
11	1	9	96.7			673.17	
12	2	9	64.9	1235		91.26	
13	2	9	70.1	1450		736.8	
14	3	9	57.7	1673	1563	276.9	
15	3	9	75.6	1943	1126	28.3	

Statistics 16 (ChirpCenter Frequency: 5498.4 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	16	93	1521		607.654	1
2	1	16	88.4			559.643	
3	2	16	80.2	1118		368.797	
4	2	16	81.5	1583		176.32	
5	3	16	65.6	1482	1534	290.383	
6	2	16	55.5	1776		208.057	
7	2	16	74.9	1347		135.55	
8	2	16	83.1	1508		573.213	
9	2	16	61.7	1049		46.557	
10	1	16	74.6			596.65	
11	3	16	84	1971	1898	144.563	
12	2	16	95.8	1623		225.187	
13	2	16	77.5	1446		497.62	
14	2	16	62.6	1065		99.423	
15	1	16	58.7			558.267	
16	1	16	92.1			422	
17	2	16	93.8	1906		614.433	
18	3	16	76	1479	1837	53.167	

Statistics 17 (ChirpCenter Frequency: 5494.4 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	6	89.9	1954		540.385	1
2	2	6	50	1062		382.64	
3	2	6	51.3	1736		230.81	
4	2	6	74.6	1154		394.42	
5	2	6	62.3	1391		394.88	
6	1	6	57.1			210.08	
7	2	6	79.2	1755		306.78	
8	2	6	82.4	1226		533.76	
9	1	6	88.1			181.87	
10	3	6	79.2	1531	1492	665.9	
11	2	6	69.6	1879		170.23	
12	2	6	81.3	1427		22.31	
13	3	6	52.1	1877	1192	440.56	
14	3	6	57.8	1656	1120	98.54	
15	3	6	73.3	1823	1655	284.4	
16	2	6	90.8	1092		412.7	

Statistics 18 (ChirpCenter Frequency: 5497.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	13	87.3	1297		314.925	1
2	2	13	93.8	1111		542.061	
3	2	13	52.5	1832		230.972	
4	2	13	94.9	1970		621.843	
5	3	13	99.6	1167	1067	546.654	
6	3	13	74.4	1578	1654	124.295	
7	3	13	92	1720	1472	25.786	
8	3	13	89.2	1418	1152	223.377	
9	3	13	81.1	1769	1081	556.788	
10	2	13	94.2	1102		521.339	
11	1	13	63.7			34.851	
12	2	13	88.2	1699		241.482	
13	2	13	87.1	1398		307.363	
14	2	13	84.7	1484		433.744	
15	3	13	71.7	1263	1550	514.375	
16	2	13	57.4	1986		139.236	
17	2	13	66.6	1317		61.637	
18	1	13	76.6			342.358	
19	3	13	57	1521	1803	403.879	

Statistics 19 (ChirpCenter Frequency: 5498 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	15	64.9	1241	1975	677.899	1
2	2	15	77.1	1427		456.838	
3	3	15	99.7	1678	1856	188.535	
4	2	15	50.8	1446		633.523	
5	2	15	78.2	1000		467.391	
6	3	15	54.6	1686	1223	48.908	
7	1	15	94.2			412.286	
8	2	15	77.8	1703		36.074	
9	3	15	54	1805	1985	556.151	
10	1	15	51.4			390.659	
11	2	15	79.5	1365		210.346	
12	2	15	92.5	1572		551.634	
13	1	15	92.3			336.452	
14	2	15	95.7	1515		367.909	
15	2	15	60.4	1168		645.547	
16	2	15	64.7	1693		533.865	
17	1	15	94.6			144.282	

Statistics 20 (ChirpCenter Frequency: 5500 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	20	86.7	1695	1731	530.74	1
2	2	20	67.1	1074		246.28	
3	3	20	55.7	1320	1406	492.432	
4	2	20	55.3	1662		611.893	
5	2	20	53.9	1379		263.084	
6	2	20	67.2	1356		321.255	
7	2	20	73.8	1367		59.236	
8	1	20	51.1			407.507	
9	2	20	97.4	1847		52.478	
10	3	20	75.1	1897	1319	87.889	
11	3	20	58.5	1257	1314	276.261	
12	2	20	86.7	1688		384.322	
13	2	20	58.5	1729		281.143	
14	3	20	84.8	1490	1577	386.064	
15	1	20	77.1			144.835	
16	3	20	58.3	1474	1941	236.056	
17	2	20	90.7	1503		458.037	
18	3	20	91.4	1526	1615	575.658	
19	3	20	74.4	1079	1385	426.279	

Statistics 21 (ChirpCenter Frequency: 5561.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	17	51	1226		509.599	1
2	3	17	66.4	1820	1018	596.101	
3	3	17	73.9	1238	1881	618.042	
4	1	17	59.7			460.333	
5	3	17	94.3	1188	1256	204.874	
6	1	17	57.4			195.595	
7	1	17	67.1			347.386	
8	2	17	58.6	1021		182.037	
9	2	17	76.7	1705		463.308	
10	2	17	91	1455		593.349	
11	2	17	61.2	1403		492.251	
12	2	17	85.7	1464		575.452	
13	2	17	69.7	1770		332.243	
14	1	17	54.3			495.334	
15	2	17	63	1435		293.245	
16	1	17	78.4			336.526	
17	1	17	72.8			200.737	
18	1	17	96.6			263.958	
19	2	17	65.7	1811		497.779	

Statistics 22 (ChirpCenter Frequency: 5565.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	6	89.6			738.931	1
2	1	6	86.8			569.567	
3	3	6	54.5	1516	1428	363.973	
4	1	6	91.9			1023.18	
5	3	6	62.6	1290	1987	649.757	
6	3	6	70.2	1808	1741	55.193	
7	2	6	90.7	1338		1012.96	
8	2	6	80.2	1767		77.117	
9	2	6	74.2	1930		1060.833	

Statistics 23(ChirpCenter Frequency: 5560 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	20	82	1808		388.276	1
2	1	20	93			497.78	
3	1	20	87.7			533.51	
4	2	20	72.7	1682		688.65	
5	1	20	70.1			569.34	
6	2	20	73.3	1666		673.28	
7	2	20	84.9	1894		453.07	
8	1	20	73			749.61	
9	3	20	87	1683	1411	699.71	
10	3	20	95.7	1986	1659	493.54	
11	3	20	80.2	1395	1875	1.7	
12	2	20	58.3	1965		507.6	

Statistics 24(ChirpCenter Frequency: 5563.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	12	72.8			478.189	1
2	2	12	50.1	1302		179.427	
3	1	12	78.6			538.425	
4	1	12	78.8			352.843	
5	2	12	69.9	1808		479.291	
6	2	12	68.9	1361		186.028	
7	2	12	83	1853		51.976	
8	3	12	71.7	1902	1070	518.724	
9	2	12	54.2	1172		596.231	
10	1	12	71.9			418.349	
11	3	12	59.8	1310	1589	438.866	
12	2	12	66.9	1577		140.854	
13	3	12	78.2	1620	1499	263.972	
14	1	12	85.8			289.699	
15	3	12	77.7	1521	1389	675.147	
16	3	12	90.3	1062	1436	688.565	
17	1	12	63.7			459.282	

Statistics 25(ChirpCenter Frequency: 5560.8 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	1	18	57.8			888.391	1
2	3	18	78.7	1730	1473	361.621	
3	2	18	95.4	1446		276.822	
4	1	18	81.8			778.273	
5	2	18	62.8	1432		974.364	
6	2	18	50.1	1881		929.505	
7	2	18	68.6	1052		438.015	
8	1	18	62.3			578.256	
9	2	18	58.5	1931		625.797	
10	2	18	72.9	1772		98.288	
11	1	18	75.4			704.909	

Statistics 26 (ChirpCenter Frequency: 5561.2 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	17	95	1984		314.564	1
2	2	17	79.4	1910		614.668	
3	2	17	89.6	1829		403.565	
4	2	17	99.5	1139		438.043	
5	2	17	90	1820		574.441	
6	2	17	82.5	1519		218.038	
7	2	17	68.8	1335		534.056	
8	2	17	88.2	1915		78.514	
9	2	17	94.1	1291		434.191	
10	2	17	62.2	1157		487.379	
11	1	17	84			118.746	
12	2	17	52.5	1181		487.114	
13	1	17	96.4			209.512	
14	3	17	70.6	1901	1842	391.479	
15	2	17	95.6	1913		137.947	
16	2	17	50.8	1430		561.865	
17	3	17	93.8	1202	1539	247.082	

Statistics 27 (ChirpCenter Frequency: 5560.8 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	18	68.8	1563		375.008	1
2	3	18	80.3	1049	1806	610.17	
3	2	18	68.3	1772		554.93	
4	2	18	56.7	1604		120.11	
5	3	18	66.2	1648	1600	658.15	
6	1	18	90.1			462.05	
7	2	18	79.6	1933		737.46	
8	2	18	54.3	1746		320.79	
9	2	18	72.5	1562		742.82	
10	3	18	83	1879	1695	302.74	
11	3	18	74.6	1761	1617	565.52	
12	2	18	92.7	1894		182.88	
13	2	18	76.2	1100		254.32	
14	2	18	73.1	1612		630.4	
15	1	18	53.6			516.9	
16	2	18	65.2	1652		471.2	

Statistics 28 (ChirpCenter Frequency: 5564.4 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	9	84.9	1980		663.085	1
2	1	9	84.5			166.647	
3	1	9	99.6			285.975	
4	2	9	67.8	1349		174.783	
5	3	9	94.6	1392	1841	7.151	
6	2	9	95.2	1037		174.028	
7	2	9	71.1	1720		557.986	
8	1	9	80.2			7.744	
9	1	9	86			59.241	
10	2	9	86.1	1828		521.279	
11	2	9	58.6	1676		588.526	
12	1	9	70.6			190.854	
13	1	9	84			601.072	
14	2	9	63.5	1384		329.789	
15	2	9	63.6	1591		138.347	
16	2	9	72.4	1472		99.065	
17	1	9	88.7			286.982	

Statistics 29 (ChirpCenter Frequency: 5563.6 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	2	11	67.2	1492		1259.16	1
2	1	11	67.1			1299.357	
3	2	11	76.9	1337		1106.743	
4	3	11	76	1334	1066	664.47	
5	3	11	70.5	1606	1441	1134.507	
6	1	11	64.3			648.153	
7	3	11	59.5	1649	1717	485.3	
8	2	11	91.2	1390		1061.967	
9	1	11	73.9			432.733	

Statistics 30 (ChirpCenter Frequency: 5566 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(mS)	Detection (1:yes;0:no)
1	3	5	98.9	1121	1683	321.325	1
2	2	5	52.5	1823		608.04	
3	2	5	57.5	1653		732.58	
4	3	5	81.6	1931	1589	61.09	
5	2	5	87.6	1083		119.5	
6	2	5	95.5	1148		675.18	
7	2	5	97.8	1544		772.45	
8	1	5	63.6			312.81	
9	3	5	86	1102	1742	787.98	
10	1	5	89			252.98	
11	1	5	77			174.7	
12	2	5	59.1	1408		201.4	
13	2	5	58.6	1870		102.55	
14	3	5	80.8	1748	1170	180.3	
15	2	5	97.9	1826		111.1	

Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)	Hopping Sequence (GHz)
1	5530	9	1	333	1	5.579, 5.580, 5.258, 5.552, 5.620, 5.479, 5.591, 5.411, 5.371, 5.385, 5.518, 5.606, 5.442, 5.353, 5.303, 5.644, 5.329, 5.639, 5.708, 5.416, 5.619, 5.688, 5.320, 5.659, 5.707, 5.267, 5.724, 5.431, 5.461, 5.257, 5.557, 5.676, 5.531, 5.537, 5.446, 5.588, 5.690, 5.452, 5.540, 5.474, 5.300, 5.575, 5.612, 5.307, 5.392, 5.577, 5.637, 5.413, 5.701, 5.437, 5.544, 5.519, 5.550, 5.697, 5.445, 5.434, 5.678, 5.681, 5.322, 5.318, 5.722, 5.534, 5.306, 5.719, 5.618, 5.377, 5.447, 5.571, 5.259, 5.424, 5.274, 5.269, 5.635, 5.357, 5.687, 5.600, 5.422, 5.398, 5.573, 5.563, 5.475, 5.330, 5.480, 5.520, 5.310, 5.715, 5.351, 5.565, 5.712, 5.462, 5.427, 5.284, 5.388, 5.285, 5.397, 5.524, 5.407, 5.716, 5.583, 5.273
2	5530	9	1	333	1	5.539, 5.430, 5.452, 5.679, 5.350, 5.610, 5.274, 5.586, 5.347, 5.621, 5.319, 5.569, 5.698, 5.485, 5.484, 5.697, 5.619, 5.523, 5.672, 5.352, 5.648, 5.630, 5.345, 5.303, 5.526, 5.643, 5.363, 5.641, 5.289, 5.364, 5.500, 5.549, 5.375, 5.462, 5.664, 5.681, 5.353, 5.460, 5.579, 5.551, 5.409, 5.275, 5.575, 5.444, 5.467, 5.417, 5.560, 5.477, 5.259, 5.449, 5.294, 5.701, 5.339, 5.272, 5.329, 5.556, 5.555, 5.639, 5.601, 5.404, 5.669, 5.694, 5.590, 5.293, 5.623, 5.552, 5.359, 5.691, 5.437, 5.491, 5.505, 5.558, 5.510, 5.689, 5.407, 5.390, 5.264, 5.285, 5.520, 5.600, 5.260, 5.713, 5.718, 5.564, 5.268, 5.608, 5.516, 5.406, 5.514, 5.675, 5.450, 5.567, 5.652, 5.640, 5.540, 5.525, 5.509, 5.561, 5.528, 5.330
3	5530	9	1	333	1	5.469, 5.252, 5.432, 5.723, 5.317, 5.377, 5.660, 5.651, 5.578, 5.565, 5.358, 5.269, 5.552, 5.608, 5.690, 5.286, 5.411, 5.352, 5.659, 5.528, 5.515, 5.491, 5.410, 5.402, 5.485, 5.535, 5.717, 5.612, 5.340, 5.277, 5.590, 5.254, 5.394, 5.683, 5.574, 5.446, 5.351, 5.614, 5.621, 5.719, 5.689, 5.382, 5.311, 5.655, 5.265, 5.424, 5.562, 5.588, 5.501, 5.261, 5.427, 5.398, 5.700, 5.658, 5.346, 5.268, 5.530, 5.627, 5.304, 5.474, 5.637, 5.668, 5.370, 5.338, 5.344, 5.620, 5.465, 5.339, 5.456, 5.724, 5.379, 5.263, 5.642, 5.441, 5.506, 5.681, 5.600, 5.289, 5.550, 5.571, 5.293, 5.360, 5.433, 5.569, 5.602, 5.322, 5.371, 5.695, 5.617, 5.363, 5.314, 5.438, 5.366, 5.416, 5.403, 5.665, 5.436, 5.297, 5.276, 5.633
4	5530	9	1	333	1	5.326, 5.462, 5.575, 5.479, 5.505, 5.361, 5.436, 5.292, 5.295, 5.369, 5.487, 5.458,

						5.528, 5.274, 5.572, 5.250, 5.680, 5.428, 5.660, 5.546, 5.324, 5.612, 5.679, 5.502, 5.400, 5.258, 5.503, 5.444, 5.339, 5.433, 5.543, 5.296, 5.656, 5.341, 5.329, 5.429, 5.297, 5.408, 5.650, 5.595, 5.559, 5.481, 5.344, 5.347, 5.411, 5.562, 5.555, 5.432, 5.544, 5.380, 5.472, 5.467, 5.298, 5.532, 5.431, 5.500, 5.447, 5.332, 5.598, 5.531, 5.448, 5.475, 5.642, 5.716, 5.711, 5.385, 5.512, 5.450, 5.519, 5.439, 5.637, 5.560, 5.685, 5.468, 5.430, 5.287, 5.359, 5.646, 5.289, 5.662, 5.471, 5.256, 5.719, 5.474, 5.688, 5.538, 5.521, 5.313, 5.278, 5.331, 5.353, 5.541, 5.315, 5.651, 5.520, 5.426, 5.320, 5.579, 5.550, 5.435
5	5530	9	1	333	1	5.636, 5.604, 5.668, 5.577, 5.516, 5.306, 5.460, 5.584, 5.296, 5.612, 5.392, 5.284, 5.488, 5.285, 5.699, 5.587, 5.416, 5.515, 5.590, 5.635, 5.619, 5.697, 5.610, 5.673, 5.422, 5.675, 5.424, 5.362, 5.565, 5.528, 5.332, 5.526, 5.256, 5.527, 5.325, 5.279, 5.597, 5.386, 5.435, 5.444, 5.658, 5.640, 5.679, 5.328, 5.434, 5.585, 5.540, 5.664, 5.544, 5.558, 5.275, 5.428, 5.384, 5.654, 5.355, 5.670, 5.365, 5.511, 5.693, 5.372, 5.367, 5.493, 5.479, 5.662, 5.622, 5.437, 5.581, 5.561, 5.714, 5.467, 5.533, 5.652, 5.497, 5.702, 5.481, 5.580, 5.290, 5.472, 5.649, 5.377, 5.315, 5.563, 5.413, 5.634, 5.469, 5.269, 5.378, 5.397, 5.615, 5.350, 5.588, 5.653, 5.535, 5.439, 5.545, 5.641, 5.606, 5.689, 5.599, 5.549
6	5530	9	1	333	1	5.534, 5.454, 5.390, 5.363, 5.635, 5.325, 5.522, 5.689, 5.276, 5.542, 5.273, 5.449, 5.529, 5.307, 5.715, 5.411, 5.561, 5.623, 5.705, 5.525, 5.547, 5.574, 5.437, 5.378, 5.504, 5.448, 5.327, 5.479, 5.602, 5.657, 5.416, 5.513, 5.275, 5.669, 5.700, 5.261, 5.251, 5.462, 5.503, 5.714, 5.610, 5.413, 5.423, 5.421, 5.616, 5.652, 5.315, 5.637, 5.263, 5.375, 5.611, 5.294, 5.466, 5.402, 5.473, 5.405, 5.398, 5.697, 5.582, 5.471, 5.687, 5.607, 5.407, 5.530, 5.252, 5.293, 5.358, 5.521, 5.710, 5.427, 5.614, 5.337, 5.567, 5.642, 5.671, 5.339, 5.408, 5.482, 5.286, 5.694, 5.489, 5.631, 5.593, 5.362, 5.369, 5.563, 5.475, 5.388, 5.352, 5.278, 5.502, 5.531, 5.612, 5.720, 5.394, 5.271, 5.457, 5.254, 5.608, 5.250
7	5530	9	1	333	1	5.344, 5.507, 5.371, 5.549, 5.540, 5.567, 5.515, 5.363, 5.323, 5.555, 5.530, 5.347, 5.574, 5.453, 5.525, 5.569, 5.543, 5.405, 5.383, 5.695, 5.613, 5.697, 5.506, 5.305, 5.399, 5.610, 5.437, 5.452, 5.468, 5.474, 5.666, 5.367, 5.362, 5.550, 5.253, 5.661, 5.285, 5.568, 5.454, 5.512, 5.528, 5.578, 5.641, 5.377, 5.556, 5.663, 5.301, 5.283, 5.361, 5.490, 5.464, 5.379, 5.284, 5.271, 5.700, 5.631, 5.254, 5.390, 5.275, 5.564,

						5.384, 5.491, 5.651, 5.587, 5.552, 5.560, 5.696, 5.672, 5.699, 5.559, 5.511, 5.443, 5.510, 5.436, 5.679, 5.633, 5.591, 5.523, 5.624, 5.269, 5.615, 5.483, 5.673, 5.309, 5.311, 5.655, 5.553, 5.358, 5.406, 5.277, 5.376, 5.536, 5.597, 5.517, 5.601, 5.335, 5.299, 5.701, 5.687, 5.526
8	5530	9	1	333	1	5.374, 5.513, 5.386, 5.347, 5.474, 5.500, 5.623, 5.364, 5.344, 5.369, 5.326, 5.268, 5.598, 5.354, 5.579, 5.300, 5.255, 5.270, 5.466, 5.317, 5.461, 5.580, 5.355, 5.632, 5.520, 5.714, 5.362, 5.311, 5.278, 5.409, 5.437, 5.292, 5.658, 5.289, 5.267, 5.302, 5.606, 5.535, 5.648, 5.358, 5.528, 5.328, 5.634, 5.633, 5.643, 5.719, 5.321, 5.545, 5.547, 5.582, 5.473, 5.384, 5.655, 5.360, 5.543, 5.428, 5.546, 5.597, 5.280, 5.492, 5.296, 5.279, 5.402, 5.261, 5.301, 5.273, 5.467, 5.570, 5.642, 5.487, 5.493, 5.283, 5.479, 5.443, 5.373, 5.662, 5.458, 5.420, 5.452, 5.269, 5.491, 5.305, 5.507, 5.532, 5.324, 5.313, 5.594, 5.336, 5.638, 5.339, 5.696, 5.351, 5.709, 5.697, 5.431, 5.503, 5.661, 5.511, 5.695, 5.506
9	5530	9	1	333	1	5.626, 5.444, 5.670, 5.400, 5.573, 5.419, 5.352, 5.366, 5.253, 5.594, 5.561, 5.394, 5.625, 5.698, 5.378, 5.342, 5.597, 5.422, 5.663, 5.635, 5.273, 5.310, 5.279, 5.295, 5.261, 5.483, 5.572, 5.344, 5.482, 5.431, 5.396, 5.343, 5.287, 5.460, 5.417, 5.647, 5.280, 5.513, 5.320, 5.397, 5.549, 5.406, 5.630, 5.448, 5.577, 5.656, 5.517, 5.485, 5.689, 5.453, 5.657, 5.434, 5.277, 5.333, 5.436, 5.335, 5.302, 5.251, 5.699, 5.680, 5.435, 5.697, 5.341, 5.648, 5.592, 5.479, 5.540, 5.646, 5.346, 5.669, 5.282, 5.708, 5.660, 5.562, 5.711, 5.605, 5.271, 5.389, 5.472, 5.649, 5.421, 5.633, 5.613, 5.499, 5.502, 5.586, 5.574, 5.322, 5.488, 5.300, 5.403, 5.281, 5.386, 5.416, 5.622, 5.589, 5.501, 5.258, 5.468, 5.441
10	5530	9	1	333	1	5.724, 5.391, 5.396, 5.502, 5.699, 5.308, 5.507, 5.426, 5.694, 5.595, 5.369, 5.521, 5.337, 5.370, 5.375, 5.468, 5.573, 5.466, 5.441, 5.331, 5.534, 5.445, 5.536, 5.690, 5.432, 5.542, 5.465, 5.472, 5.711, 5.611, 5.523, 5.656, 5.455, 5.569, 5.491, 5.257, 5.585, 5.400, 5.504, 5.447, 5.435, 5.358, 5.714, 5.417, 5.380, 5.665, 5.320, 5.374, 5.283, 5.459, 5.575, 5.532, 5.547, 5.316, 5.296, 5.577, 5.605, 5.637, 5.410, 5.412, 5.598, 5.524, 5.413, 5.408, 5.487, 5.629, 5.251, 5.367, 5.401, 5.273, 5.433, 5.489, 5.704, 5.689, 5.494, 5.454, 5.287, 5.332, 5.438, 5.301, 5.716, 5.297, 5.526, 5.650, 5.636, 5.303, 5.571, 5.606, 5.614, 5.703, 5.587, 5.626, 5.706, 5.304, 5.267, 5.533, 5.389, 5.669, 5.668, 5.566
11	5530	9	1	333	1	5.455, 5.564, 5.468, 5.670, 5.428, 5.549, 5.253, 5.364, 5.658, 5.600, 5.301, 5.377,

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12	5530	9	1	333	1	5.713, 5.311, 5.598, 5.363, 5.719, 5.369, 5.596, 5.385, 5.334, 5.548, 5.314, 5.706, 5.352, 5.623, 5.638, 5.436, 5.535, 5.554, 5.720, 5.301, 5.669, 5.680, 5.279, 5.305, 5.612, 5.456, 5.460, 5.588, 5.316, 5.528, 5.542, 5.509, 5.445, 5.597, 5.380, 5.717, 5.631, 5.629, 5.552, 5.644, 5.655, 5.637, 5.342, 5.393, 5.703, 5.649, 5.375, 5.358, 5.581, 5.502, 5.563, 5.461, 5.462, 5.465, 5.718, 5.281, 5.503, 5.467, 5.573, 5.700, 5.377, 5.538, 5.451, 5.463, 5.318, 5.697, 5.690, 5.504, 5.507, 5.250, 5.634, 5.648, 5.294, 5.497, 5.544, 5.398, 5.485, 5.674, 5.474, 5.325, 5.418, 5.313, 5.663, 5.672, 5.425, 5.705, 5.333, 5.607, 5.519, 5.683, 5.515, 5.701, 5.442, 5.388, 5.252, 5.407, 5.309, 5.482, 5.489, 5.270
13	5530	9	1	333	1	5.379, 5.418, 5.320, 5.696, 5.642, 5.266, 5.385, 5.492, 5.724, 5.260, 5.629, 5.565, 5.697, 5.544, 5.352, 5.423, 5.506, 5.515, 5.340, 5.628, 5.458, 5.552, 5.389, 5.575, 5.716, 5.608, 5.470, 5.534, 5.689, 5.624, 5.702, 5.250, 5.332, 5.620, 5.609, 5.550, 5.258, 5.380, 5.636, 5.631, 5.713, 5.447, 5.661, 5.482, 5.276, 5.468, 5.681, 5.339, 5.455, 5.288, 5.342, 5.567, 5.533, 5.264, 5.650, 5.717, 5.502, 5.277, 5.678, 5.472, 5.329, 5.387, 5.314, 5.300, 5.421, 5.718, 5.499, 5.627, 5.525, 5.592, 5.307, 5.710, 5.322, 5.583, 5.560, 5.383, 5.723, 5.294, 5.434, 5.584, 5.353, 5.526, 5.662, 5.614, 5.295, 5.564, 5.673, 5.422, 5.663, 5.604, 5.400, 5.467, 5.666, 5.511, 5.280, 5.600, 5.284, 5.497, 5.403, 5.262
14	5530	9	1	333	1	5.412, 5.576, 5.563, 5.452, 5.625, 5.676, 5.666, 5.487, 5.439, 5.443, 5.410, 5.306, 5.391, 5.424, 5.509, 5.476, 5.288, 5.632, 5.679, 5.678, 5.311, 5.350, 5.562, 5.590, 5.489, 5.719, 5.280, 5.552, 5.413, 5.508, 5.512, 5.498, 5.684, 5.612, 5.615, 5.672, 5.657, 5.355, 5.537, 5.693, 5.399, 5.542, 5.336, 5.515, 5.671, 5.712, 5.451, 5.608, 5.404, 5.337, 5.385, 5.374, 5.607, 5.610, 5.484, 5.295, 5.700, 5.325, 5.698, 5.478,

						5.656, 5.254, 5.501, 5.427, 5.263, 5.567, 5.330, 5.453, 5.516, 5.628, 5.533, 5.667, 5.426, 5.549, 5.659, 5.668, 5.256, 5.724, 5.568, 5.682, 5.588, 5.398, 5.561, 5.362, 5.388, 5.408, 5.708, 5.490, 5.556, 5.557, 5.689, 5.436, 5.329, 5.323, 5.594, 5.434, 5.550, 5.343, 5.341, 5.709
15	5530	9	1	333	1	5.397, 5.512, 5.432, 5.310, 5.458, 5.463, 5.705, 5.252, 5.553, 5.418, 5.679, 5.623, 5.694, 5.285, 5.695, 5.258, 5.715, 5.294, 5.394, 5.312, 5.686, 5.550, 5.408, 5.591, 5.336, 5.630, 5.281, 5.520, 5.674, 5.521, 5.555, 5.588, 5.345, 5.647, 5.611, 5.279, 5.541, 5.368, 5.326, 5.464, 5.518, 5.250, 5.573, 5.445, 5.580, 5.404, 5.287, 5.455, 5.631, 5.626, 5.510, 5.290, 5.579, 5.423, 5.723, 5.406, 5.614, 5.427, 5.711, 5.607, 5.262, 5.632, 5.667, 5.600, 5.572, 5.272, 5.466, 5.315, 5.433, 5.412, 5.375, 5.399, 5.469, 5.540, 5.284, 5.444, 5.442, 5.473, 5.325, 5.417, 5.488, 5.265, 5.681, 5.701, 5.317, 5.523, 5.718, 5.451, 5.543, 5.516, 5.396, 5.581, 5.453, 5.260, 5.690, 5.437, 5.359, 5.308, 5.649, 5.655
16	5530	9	1	333	1	5.326, 5.320, 5.724, 5.278, 5.406, 5.395, 5.333, 5.604, 5.632, 5.682, 5.638, 5.496, 5.712, 5.658, 5.357, 5.616, 5.634, 5.661, 5.435, 5.426, 5.707, 5.308, 5.695, 5.424, 5.627, 5.379, 5.528, 5.321, 5.657, 5.663, 5.261, 5.449, 5.536, 5.595, 5.431, 5.316, 5.373, 5.446, 5.507, 5.561, 5.290, 5.255, 5.583, 5.550, 5.469, 5.624, 5.533, 5.570, 5.356, 5.300, 5.560, 5.399, 5.655, 5.701, 5.605, 5.454, 5.587, 5.599, 5.312, 5.437, 5.656, 5.620, 5.518, 5.520, 5.359, 5.418, 5.480, 5.549, 5.670, 5.609, 5.521, 5.445, 5.329, 5.364, 5.472, 5.296, 5.703, 5.363, 5.597, 5.544, 5.664, 5.524, 5.440, 5.315, 5.547, 5.505, 5.508, 5.411, 5.573, 5.375, 5.358, 5.332, 5.279, 5.342, 5.462, 5.434, 5.467, 5.410, 5.400, 5.337
17	5530	9	1	333	1	5.588, 5.713, 5.523, 5.391, 5.685, 5.295, 5.663, 5.604, 5.333, 5.568, 5.260, 5.422, 5.413, 5.543, 5.272, 5.724, 5.400, 5.642, 5.300, 5.293, 5.522, 5.284, 5.406, 5.635, 5.673, 5.380, 5.680, 5.503, 5.343, 5.326, 5.438, 5.276, 5.468, 5.339, 5.456, 5.592, 5.474, 5.377, 5.694, 5.381, 5.359, 5.427, 5.526, 5.660, 5.551, 5.701, 5.489, 5.536, 5.667, 5.347, 5.264, 5.328, 5.572, 5.476, 5.465, 5.594, 5.373, 5.664, 5.610, 5.317, 5.335, 5.368, 5.437, 5.527, 5.472, 5.312, 5.712, 5.541, 5.346, 5.535, 5.402, 5.498, 5.593, 5.473, 5.696, 5.254, 5.460, 5.561, 5.702, 5.407, 5.266, 5.674, 5.458, 5.255, 5.361, 5.700, 5.571, 5.662, 5.475, 5.372, 5.678, 5.559, 5.445, 5.590, 5.336, 5.349, 5.455, 5.351, 5.392, 5.399
18	5530	9	1	333	1	5.419, 5.546, 5.470, 5.536, 5.287, 5.690, 5.655, 5.300, 5.372, 5.542, 5.522, 5.460,

						5.421, 5.629, 5.493, 5.277, 5.441, 5.718, 5.475, 5.505, 5.399, 5.391, 5.380, 5.617, 5.344, 5.683, 5.288, 5.401, 5.597, 5.278, 5.618, 5.552, 5.394, 5.370, 5.710, 5.595, 5.494, 5.550, 5.296, 5.286, 5.400, 5.679, 5.371, 5.366, 5.367, 5.608, 5.268, 5.633, 5.424, 5.662, 5.447, 5.620, 5.251, 5.250, 5.680, 5.446, 5.262, 5.691, 5.701, 5.681, 5.355, 5.648, 5.709, 5.672, 5.699, 5.457, 5.714, 5.331, 5.289, 5.321, 5.263, 5.408, 5.302, 5.463, 5.562, 5.514, 5.314, 5.315, 5.717, 5.449, 5.450, 5.529, 5.668, 5.698, 5.557, 5.721, 5.479, 5.656, 5.332, 5.426, 5.422, 5.462, 5.437, 5.692, 5.334, 5.368, 5.566, 5.491, 5.410, 5.310
19	5530	9	1	333	1	5.630, 5.318, 5.505, 5.706, 5.349, 5.555, 5.576, 5.342, 5.406, 5.621, 5.251, 5.724, 5.417, 5.363, 5.543, 5.351, 5.297, 5.441, 5.332, 5.435, 5.362, 5.688, 5.333, 5.584, 5.583, 5.438, 5.601, 5.535, 5.394, 5.331, 5.697, 5.456, 5.673, 5.442, 5.562, 5.268, 5.566, 5.597, 5.385, 5.375, 5.510, 5.603, 5.485, 5.467, 5.711, 5.311, 5.358, 5.563, 5.637, 5.548, 5.633, 5.556, 5.641, 5.300, 5.501, 5.480, 5.719, 5.323, 5.466, 5.274, 5.357, 5.701, 5.598, 5.634, 5.489, 5.458, 5.496, 5.372, 5.645, 5.449, 5.288, 5.379, 5.557, 5.595, 5.560, 5.478, 5.384, 5.474, 5.392, 5.650, 5.341, 5.508, 5.681, 5.685, 5.682, 5.498, 5.579, 5.518, 5.481, 5.623, 5.412, 5.329, 5.368, 5.415, 5.553, 5.280, 5.506, 5.446, 5.490, 5.369
20	5530	9	1	333	1	5.283, 5.276, 5.383, 5.350, 5.636, 5.540, 5.679, 5.625, 5.418, 5.569, 5.356, 5.288, 5.637, 5.438, 5.628, 5.313, 5.427, 5.485, 5.334, 5.713, 5.512, 5.493, 5.672, 5.321, 5.546, 5.413, 5.317, 5.357, 5.515, 5.697, 5.494, 5.467, 5.680, 5.683, 5.397, 5.518, 5.516, 5.501, 5.293, 5.650, 5.712, 5.525, 5.711, 5.527, 5.693, 5.559, 5.361, 5.432, 5.390, 5.705, 5.258, 5.336, 5.657, 5.642, 5.633, 5.399, 5.504, 5.264, 5.259, 5.454, 5.513, 5.465, 5.433, 5.640, 5.474, 5.696, 5.337, 5.282, 5.502, 5.570, 5.572, 5.567, 5.714, 5.367, 5.304, 5.400, 5.411, 5.323, 5.375, 5.254, 5.372, 5.548, 5.401, 5.382, 5.331, 5.715, 5.495, 5.653, 5.297, 5.344, 5.620, 5.662, 5.275, 5.487, 5.564, 5.376, 5.568, 5.611, 5.508, 5.373
21	5530	9	1	333	1	5.623, 5.650, 5.460, 5.259, 5.357, 5.593, 5.690, 5.674, 5.644, 5.284, 5.375, 5.385, 5.371, 5.619, 5.634, 5.679, 5.645, 5.281, 5.295, 5.500, 5.264, 5.684, 5.305, 5.708, 5.350, 5.709, 5.700, 5.695, 5.265, 5.553, 5.471, 5.312, 5.591, 5.349, 5.636, 5.525, 5.311, 5.403, 5.335, 5.330, 5.278, 5.463, 5.598, 5.299, 5.420, 5.446, 5.557, 5.547, 5.520, 5.515, 5.614, 5.686, 5.511, 5.637, 5.668, 5.534, 5.452, 5.589, 5.587, 5.455,

						5.400, 5.537, 5.254, 5.573, 5.413, 5.317, 5.390, 5.250, 5.327, 5.338, 5.387, 5.298, 5.369, 5.675, 5.425, 5.522, 5.577, 5.296, 5.558, 5.270, 5.531, 5.706, 5.664, 5.710, 5.586, 5.456, 5.325, 5.324, 5.678, 5.715, 5.473, 5.611, 5.337, 5.685, 5.530, 5.373, 5.542, 5.497, 5.559, 5.631
22	5530	9	1	333	1	5.672, 5.310, 5.472, 5.510, 5.402, 5.659, 5.645, 5.425, 5.376, 5.480, 5.356, 5.261, 5.467, 5.303, 5.589, 5.526, 5.256, 5.671, 5.374, 5.573, 5.268, 5.255, 5.611, 5.534, 5.638, 5.470, 5.251, 5.498, 5.491, 5.723, 5.455, 5.529, 5.506, 5.643, 5.461, 5.586, 5.688, 5.530, 5.277, 5.496, 5.704, 5.458, 5.587, 5.306, 5.390, 5.404, 5.433, 5.580, 5.412, 5.698, 5.631, 5.269, 5.595, 5.252, 5.439, 5.445, 5.547, 5.257, 5.287, 5.460, 5.513, 5.314, 5.293, 5.511, 5.454, 5.318, 5.560, 5.679, 5.667, 5.263, 5.635, 5.279, 5.378, 5.612, 5.662, 5.352, 5.317, 5.341, 5.414, 5.262, 5.335, 5.448, 5.399, 5.702, 5.552, 5.424, 5.358, 5.444, 5.501, 5.290, 5.373, 5.697, 5.632, 5.557, 5.459, 5.395, 5.707, 5.706, 5.570, 5.466
23	5530	9	1	333	1	5.528, 5.487, 5.374, 5.394, 5.682, 5.386, 5.472, 5.412, 5.673, 5.657, 5.397, 5.408, 5.609, 5.346, 5.406, 5.626, 5.598, 5.636, 5.668, 5.424, 5.692, 5.599, 5.469, 5.477, 5.651, 5.455, 5.551, 5.601, 5.323, 5.713, 5.331, 5.373, 5.656, 5.650, 5.292, 5.678, 5.722, 5.540, 5.338, 5.419, 5.507, 5.684, 5.639, 5.526, 5.446, 5.515, 5.627, 5.488, 5.541, 5.450, 5.287, 5.532, 5.320, 5.720, 5.430, 5.371, 5.415, 5.550, 5.485, 5.723, 5.427, 5.556, 5.497, 5.571, 5.344, 5.375, 5.271, 5.461, 5.522, 5.669, 5.460, 5.266, 5.539, 5.341, 5.525, 5.493, 5.479, 5.370, 5.313, 5.453, 5.561, 5.648, 5.400, 5.435, 5.253, 5.712, 5.275, 5.321, 5.417, 5.665, 5.449, 5.501, 5.304, 5.587, 5.312, 5.546, 5.404, 5.516, 5.459, 5.564
24	5530	9	1	333	1	5.532, 5.253, 5.311, 5.292, 5.579, 5.415, 5.553, 5.466, 5.715, 5.449, 5.322, 5.339, 5.288, 5.679, 5.583, 5.496, 5.456, 5.315, 5.659, 5.706, 5.634, 5.694, 5.529, 5.495, 5.255, 5.671, 5.614, 5.324, 5.716, 5.703, 5.317, 5.560, 5.368, 5.349, 5.493, 5.638, 5.352, 5.597, 5.271, 5.513, 5.484, 5.355, 5.259, 5.709, 5.654, 5.533, 5.413, 5.527, 5.320, 5.565, 5.398, 5.327, 5.546, 5.482, 5.490, 5.680, 5.319, 5.391, 5.647, 5.626, 5.712, 5.411, 5.622, 5.620, 5.430, 5.713, 5.291, 5.554, 5.469, 5.683, 5.384, 5.431, 5.405, 5.719, 5.657, 5.515, 5.534, 5.286, 5.436, 5.593, 5.656, 5.543, 5.474, 5.464, 5.526, 5.361, 5.722, 5.608, 5.674, 5.544, 5.548, 5.428, 5.542, 5.321, 5.262, 5.681, 5.629, 5.521, 5.447, 5.589

25	5530	9	1	333	1	5.527, 5.545, 5.434, 5.463, 5.520, 5.619, 5.350, 5.282, 5.699, 5.314, 5.518, 5.429, 5.656, 5.379, 5.551, 5.537, 5.464, 5.413, 5.522, 5.265, 5.403, 5.582, 5.302, 5.411, 5.613, 5.489, 5.696, 5.711, 5.360, 5.513, 5.363, 5.629, 5.428, 5.303, 5.496, 5.345, 5.575, 5.704, 5.384, 5.511, 5.263, 5.476, 5.423, 5.427, 5.530, 5.446, 5.507, 5.540, 5.686, 5.567, 5.602, 5.491, 5.631, 5.362, 5.276, 5.474, 5.485, 5.517, 5.548, 5.706, 5.497, 5.637, 5.458, 5.395, 5.261, 5.685, 5.405, 5.420, 5.254, 5.398, 5.469, 5.306, 5.697, 5.341, 5.347, 5.632, 5.563, 5.264, 5.280, 5.691, 5.299, 5.578, 5.332, 5.681, 5.346, 5.437, 5.297, 5.609, 5.572, 5.441, 5.523, 5.721, 5.662, 5.598, 5.266, 5.433, 5.273, 5.438, 5.480, 5.528
26	5530	9	1	333	1	5.257, 5.620, 5.290, 5.325, 5.554, 5.549, 5.634, 5.478, 5.697, 5.676, 5.342, 5.714, 5.534, 5.372, 5.361, 5.260, 5.466, 5.568, 5.663, 5.695, 5.291, 5.359, 5.440, 5.483, 5.266, 5.427, 5.318, 5.284, 5.492, 5.721, 5.365, 5.565, 5.637, 5.441, 5.542, 5.674, 5.618, 5.654, 5.319, 5.675, 5.488, 5.582, 5.543, 5.656, 5.523, 5.277, 5.646, 5.382, 5.250, 5.451, 5.525, 5.573, 5.383, 5.590, 5.412, 5.280, 5.329, 5.335, 5.363, 5.624, 5.348, 5.304, 5.470, 5.622, 5.550, 5.477, 5.413, 5.334, 5.476, 5.430, 5.511, 5.596, 5.373, 5.495, 5.651, 5.644, 5.388, 5.301, 5.320, 5.502, 5.415, 5.314, 5.269, 5.385, 5.719, 5.267, 5.349, 5.718, 5.472, 5.566, 5.706, 5.512, 5.379, 5.569, 5.613, 5.520, 5.323, 5.473, 5.345, 5.602
27	5530	9	1	333	1	5.664, 5.379, 5.636, 5.323, 5.642, 5.700, 5.345, 5.304, 5.320, 5.622, 5.273, 5.685, 5.578, 5.676, 5.629, 5.474, 5.723, 5.633, 5.477, 5.462, 5.420, 5.597, 5.390, 5.427, 5.638, 5.470, 5.493, 5.707, 5.546, 5.434, 5.576, 5.330, 5.376, 5.480, 5.360, 5.369, 5.364, 5.366, 5.373, 5.659, 5.588, 5.321, 5.328, 5.263, 5.665, 5.287, 5.250, 5.571, 5.442, 5.476, 5.651, 5.614, 5.596, 5.631, 5.698, 5.337, 5.278, 5.544, 5.266, 5.598, 5.285, 5.584, 5.305, 5.701, 5.706, 5.652, 5.535, 5.654, 5.276, 5.511, 5.610, 5.329, 5.348, 5.279, 5.342, 5.346, 5.341, 5.282, 5.640, 5.351, 5.336, 5.697, 5.472, 5.339, 5.385, 5.526, 5.656, 5.663, 5.563, 5.555, 5.461, 5.606, 5.678, 5.603, 5.340, 5.284, 5.660, 5.409, 5.508, 5.406
28	5530	9	1	333	1	5.430, 5.501, 5.314, 5.392, 5.644, 5.640, 5.617, 5.486, 5.560, 5.695, 5.374, 5.367, 5.580, 5.279, 5.478, 5.253, 5.464, 5.321, 5.385, 5.330, 5.433, 5.423, 5.406, 5.558, 5.270, 5.417, 5.620, 5.502, 5.699, 5.301, 5.346, 5.690, 5.302, 5.597, 5.432, 5.713, 5.431, 5.593, 5.429, 5.467, 5.532, 5.610, 5.675, 5.402, 5.453, 5.443, 5.258, 5.619, 5.473, 5.280, 5.256, 5.641, 5.536, 5.278,

						5.390, 5.525, 5.319, 5.477, 5.298, 5.520, 5.446, 5.581, 5.590, 5.578, 5.632, 5.378, 5.360, 5.362, 5.403, 5.542, 5.272, 5.648, 5.531, 5.322, 5.601, 5.634, 5.344, 5.589, 5.569, 5.681, 5.631, 5.712, 5.621, 5.455, 5.293, 5.361, 5.716, 5.488, 5.309, 5.524, 5.547, 5.698, 5.389, 5.263, 5.470, 5.592, 5.491, 5.324, 5.722, 5.691
29	5530	9	1	333	1	5.645, 5.269, 5.260, 5.526, 5.600, 5.628, 5.612, 5.316, 5.496, 5.634, 5.362, 5.690, 5.593, 5.529, 5.614, 5.354, 5.547, 5.701, 5.533, 5.594, 5.440, 5.434, 5.647, 5.258, 5.627, 5.561, 5.401, 5.661, 5.568, 5.559, 5.616, 5.688, 5.287, 5.454, 5.663, 5.637, 5.564, 5.250, 5.360, 5.495, 5.666, 5.596, 5.643, 5.491, 5.281, 5.289, 5.492, 5.642, 5.353, 5.479, 5.582, 5.639, 5.482, 5.576, 5.615, 5.549, 5.679, 5.324, 5.698, 5.375, 5.548, 5.487, 5.717, 5.371, 5.415, 5.588, 5.595, 5.605, 5.517, 5.601, 5.503, 5.361, 5.617, 5.542, 5.255, 5.635, 5.504, 5.286, 5.330, 5.301, 5.705, 5.459, 5.541, 5.636, 5.494, 5.389, 5.686, 5.283, 5.402, 5.308, 5.368, 5.426, 5.603, 5.707, 5.606, 5.365, 5.508, 5.394, 5.646, 5.513
30	5530	9	1	333	1	5.564, 5.509, 5.304, 5.469, 5.570, 5.453, 5.639, 5.580, 5.420, 5.549, 5.398, 5.637, 5.675, 5.551, 5.546, 5.452, 5.619, 5.464, 5.454, 5.296, 5.593, 5.719, 5.338, 5.555, 5.684, 5.682, 5.707, 5.393, 5.488, 5.547, 5.504, 5.424, 5.333, 5.652, 5.399, 5.256, 5.494, 5.347, 5.503, 5.608, 5.708, 5.526, 5.631, 5.493, 5.326, 5.255, 5.436, 5.275, 5.633, 5.477, 5.592, 5.314, 5.553, 5.371, 5.579, 5.480, 5.524, 5.686, 5.285, 5.324, 5.273, 5.557, 5.447, 5.610, 5.262, 5.440, 5.510, 5.665, 5.670, 5.372, 5.550, 5.615, 5.358, 5.693, 5.709, 5.666, 5.520, 5.500, 5.562, 5.657, 5.460, 5.514, 5.513, 5.532, 5.486, 5.415, 5.261, 5.253, 5.369, 5.700, 5.271, 5.400, 5.604, 5.471, 5.335, 5.434, 5.413, 5.343, 5.468, 5.362

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