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: QISBTS3911B

Report Type:	**Product Type:**
Class II permissive change	Pico BTS

Test Engineer:	Allen Qiao
Report Number:	RDG150427001-00D
Report Date:	2015-07-10
Reviewed By:	Jerry Zhang EMC Manager
Test Laboratory:	Bay Area Compliance Laboratories Corp. (Dongguan) No.69 Pulongcun, Puxinhu Industrial Zone, Tangxia, Dongguan, Guangdong, China Tel: +86-769-86858888 Fax: +86-769-86858891 www.baclcorp.com.cn

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. (Dongguan).

TABLE OF CONTENTS

GENERAL INFORMATION **3**
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT) 3
OBJECTIVE 3
RELATED SUBMITTAL(S)/GRANT(S) 3
TEST METHODOLOGY 3
TEST FACILITY 3
SYSTEM TEST CONFIGURATION **4**
DESCRIPTION OF TEST CONFIGURATION 4
EUT EXERCISE SOFTWARE 4
EQUIPMENT MODIFICATIONS 4
SUPPORT EQUIPMENT LIST AND DETAILS 4
EXTERNAL CABLE 4
SUMMARY OF TEST RESULTS **5**
APPLICABLE STANDARDS **6**
DFS REQUIREMENT 6
DFS MEASUREMENT SYSTEM 10
SYSTEM BLOCK DIAGRAM 10
4.5 RADIATED METHOD 12
4.6 TEST PROCEDURE 12
TEST RESULTS **13**
DESCRIPTION OF EUT 13
TEST EQUIPMENT LIST AND DETAILS 13
RADAR WAVEFORM CALIBRATION 14
TEST ENVIRONMENTAL CONDITIONS 14
CHANNEL AVAILABILITY CHECK TIME (CAC) **23**
TEST PROCEDURE 23
CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME **27**
TEST PROCEDURE 27
TEST RESULTS 27
NON-OCCUPANCY PERIOD **34**
TEST PROCEDURE 34
TEST RESULT 34
DETECTION BANDWIDTH **36**
TEST PROCEDURE 36
TEST RESULT 36
STATISTICAL PERFORMANCE CHECK **43**

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The *Huawei Technologies Co., Ltd.*'s product, model number: *BTS3911B (FCC ID: QISBTS3911B) or* ("EUT") in this report is a *Pico BTS*, which was measured approximately: 20.0 cm (L) x 20.0 cm (W) x 5.0 cm (H), rated input voltage: 48V DC powered by POE adapter. The EUT is a master device.

** All measurement and test data in this report was gathered from production sample serial number: 150427001. (Assigned by BACL.Dongguan). The EUT was received on 2015-04-27.*

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, Subpart E, section 15.203, 15.205, 15.207, 15.209 and 15.407 rules.

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.

The change made to the device affected all the test results, so we updated all test datas, EUT photos were copied from the report number RDG150427001-00B with FCC ID: QISBTS3911B.

Related Submittal(s)/Grant(s)

Original submission with FCC ID: QISBTS3911B which was granted on 2015-07-21.

Test Methodology

FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industrial Zone, Tangxia, Dongguan, Guangdong, China

Test site at Bay Area Compliance Laboratories Corp. (Dongguan) has been fully described in reports submitted to the Federal Communications 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 February 06, 2015. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2009.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 273710 and Industrial Canada registration test site No.: 3062D. 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
Lenovo	Laptop	Thinkpad X230	N/A
Lenovo	Laptop	Thinkpad X230	N/A

External Cable

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
RJ45 Cable	No	No	1.5	RJ45 Port of POE	EUT
RJ45 Cable	No	No	10	RJ45 Port of Laptop	POE

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 v01r02

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 v01r02

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

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

Table 2: Applicability of DFS requirements during normal operation

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

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

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

Maximum Transmit Power	**Value (See Notes 1, 2, and 3)**
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. **Note 2:** Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. **Note3:** EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

Table 4: DFS Response Requirement Values

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

Table 5 – Short Pulse Radar Test Waveforms

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

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

For example if in Short Pulse Radar Type 1 Test B a PRI of 3066 usec is selected, the number of pulses would be $\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{3066}\right)\right\} = \text{Roundup}\{17.2\} = 18.$

Table 5a - Pulse Repetition Intervals Values for Test A

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

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

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

Table 6 – Long Pulse Radar Test Waveform

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

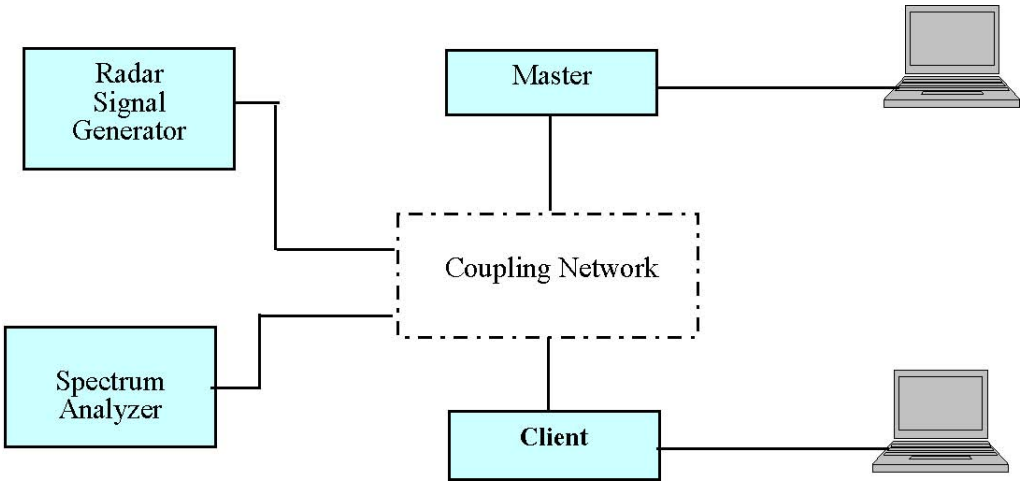
Table 7 – Frequency Hopping Radar Test Waveform

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

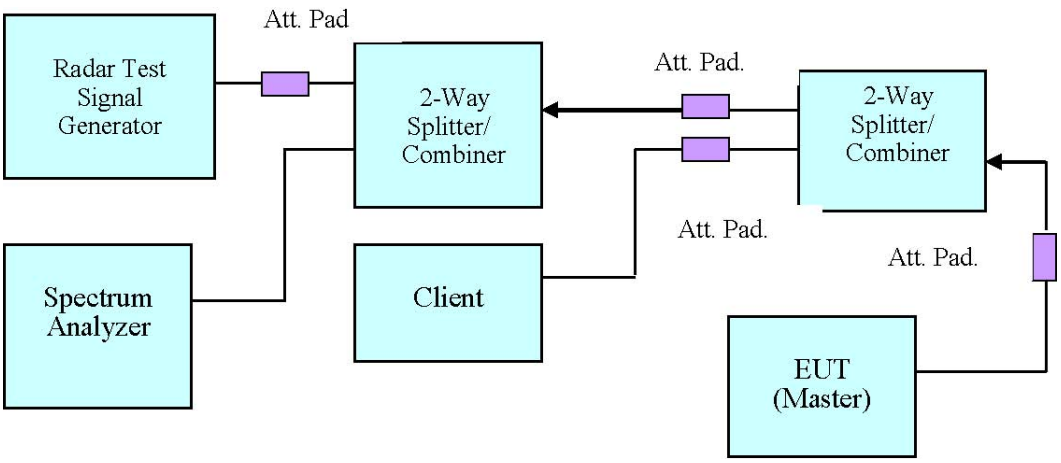
DFS Measurement System

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

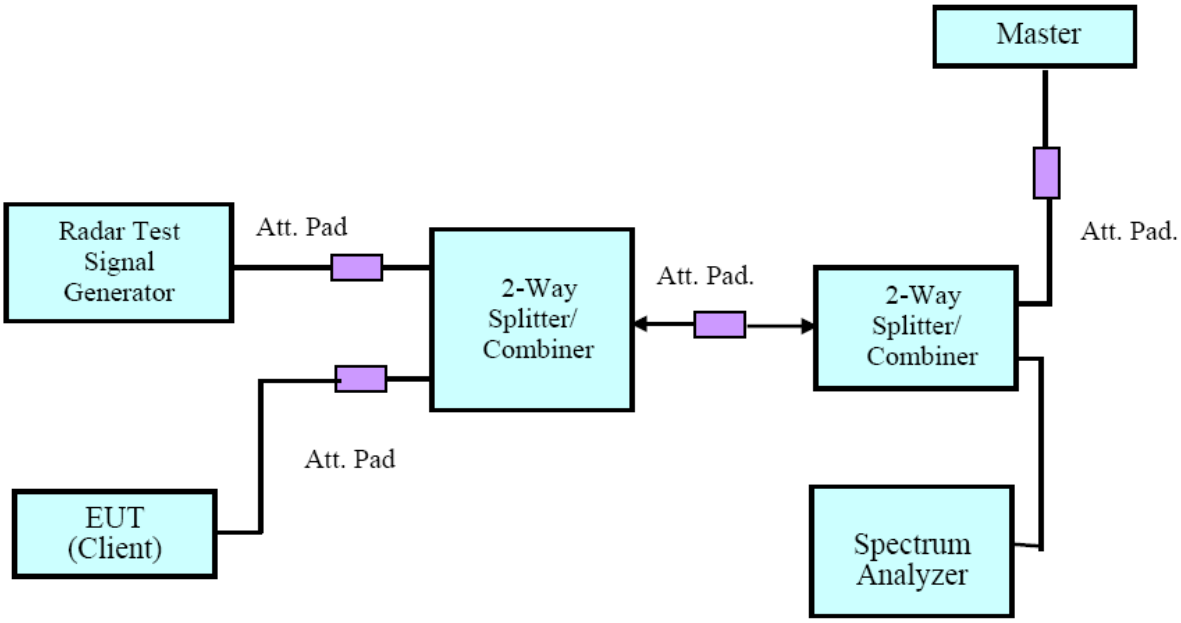
System Block Diagram



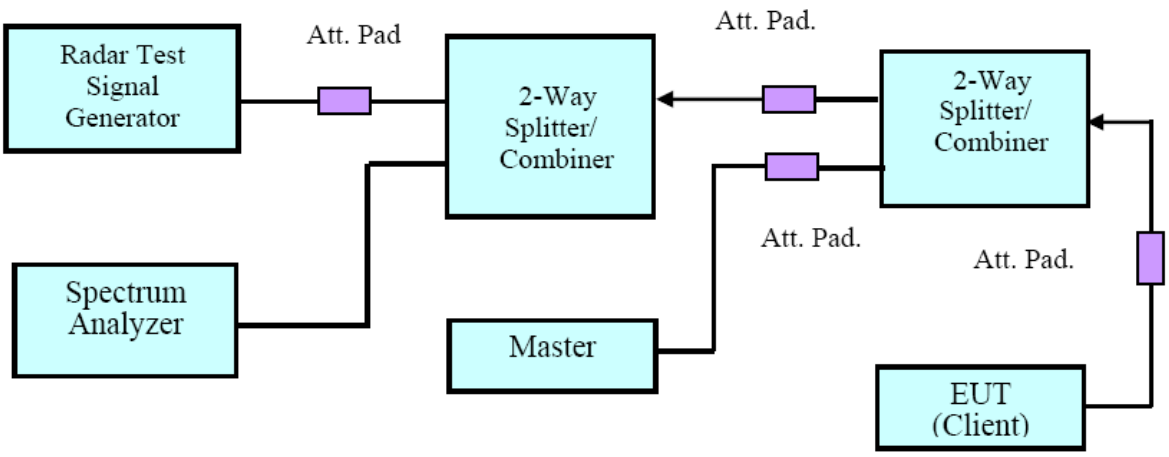
Conducted Method



Setup for Master with injection at the Master

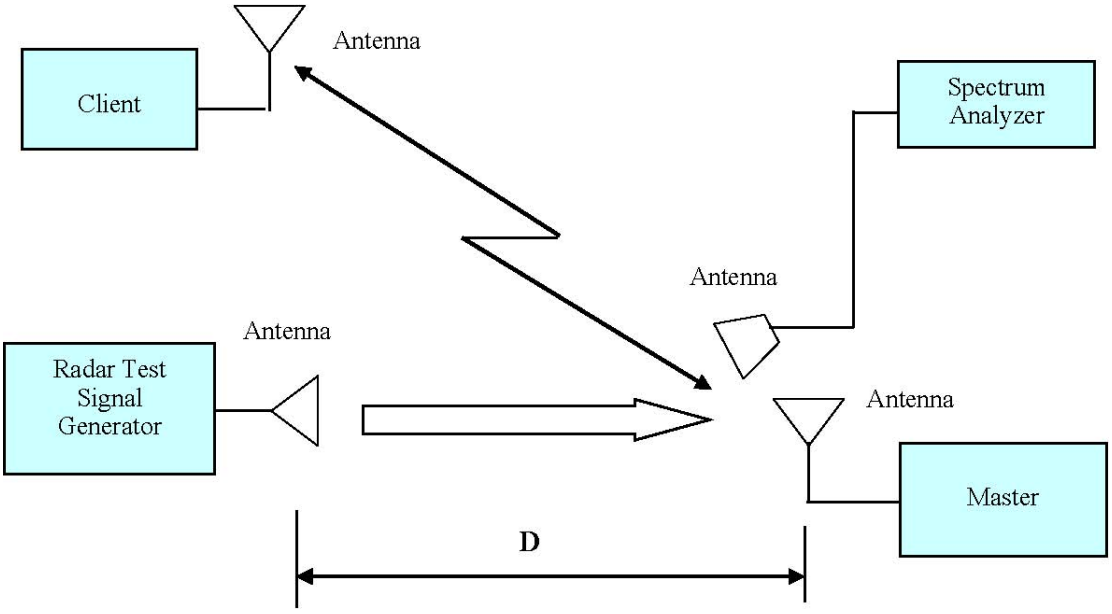


Setup for Client with injection at the Master



Setup for Client with injection at the Client

4.5 Radiated Method



4.6 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 18.38dBm, antenna gain is 9dBi, the Maximum E.I.R.P= 18.38+9=27.38dBm >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.

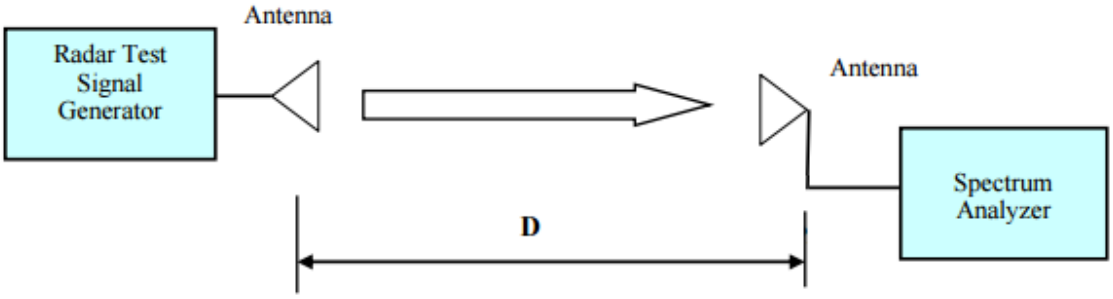
WLAN traffic is generated by streaming the video file TestFile.mpg, this file is used by IP and Frame based systems for loading the test channel during the In-service compliance testing of the U-NII device. The file is streamed from the Access Point to the Client in full motion video mode using the media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

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
National Instruments	NI PXI-1042 8-Slot chassis	PXI-1042	VOBX40FBD	N/A	N/A
National Instruments	Arbitrary Waveform Generator	PXI-5421	N/A	N/A	N/A
National Instruments	RF Upconverter	PXI-5610	N/A	N/A	N/A
ASCOR	Upconverter	AS-7202	N/A	N/A	N/A
Agilent	Spectrum Analyzer	E4440A	SG43360054	2015-03-13	2016-03-13
Ditorn	Splitter/Combiner	D3C4080	SN2244	N/A	N/A
TDK RF	horn antenna	HRN-0118	130 084	2012-09-06	2015-09-05
ETS LINDGREN	horn antenna	3115	000 527 35	2012-09-06	2015-09-05

* Statement of Traceability: Bay Area Compliance Laboratories Corp. (Dongguan) 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

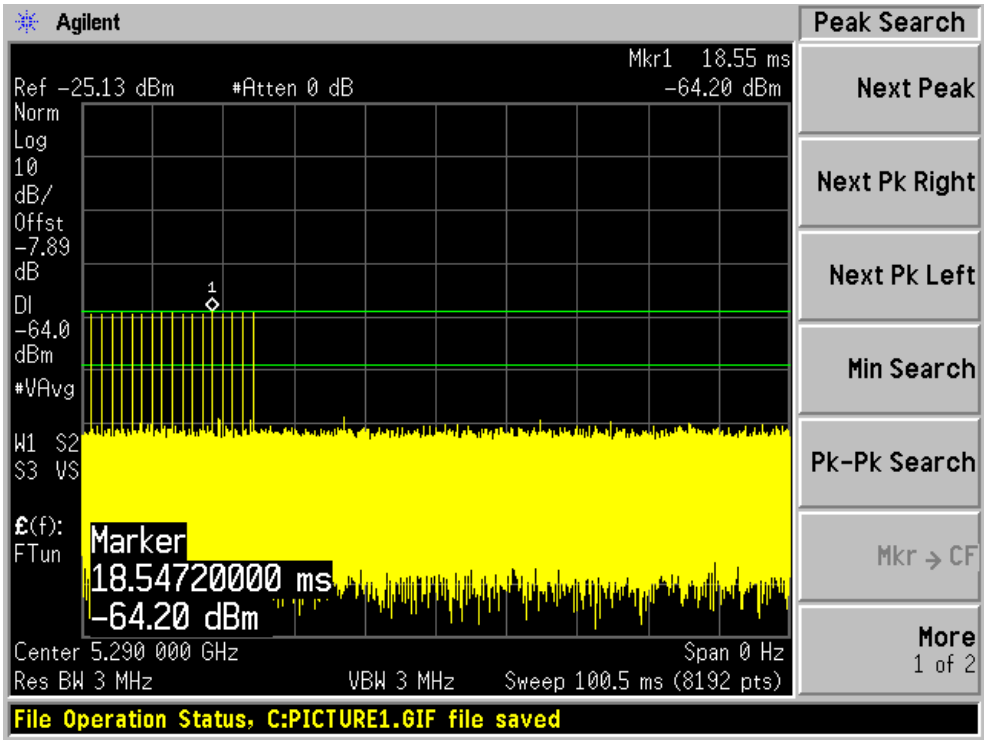
Temperature:	25.3 ° C
Relative Humidity:	54 %
ATM Pressure:	100.2 kPa

The testing was performed by Allen Qiao on 2015-05-22.

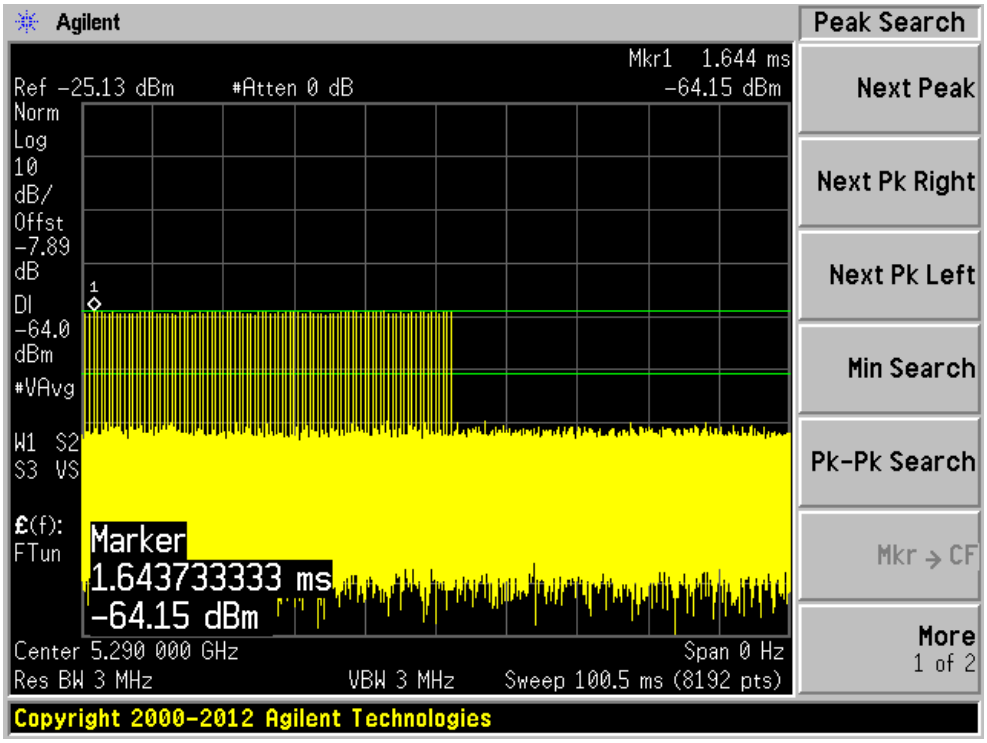
Plots of Radar Waveforms

5290 MHz:

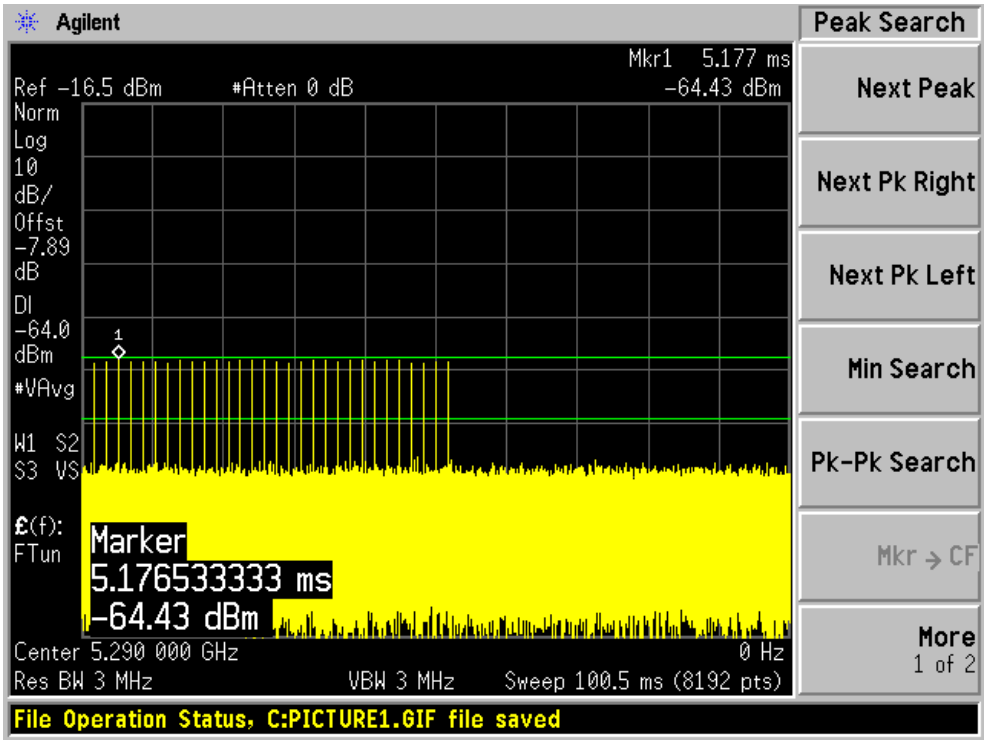
Radar Type 0



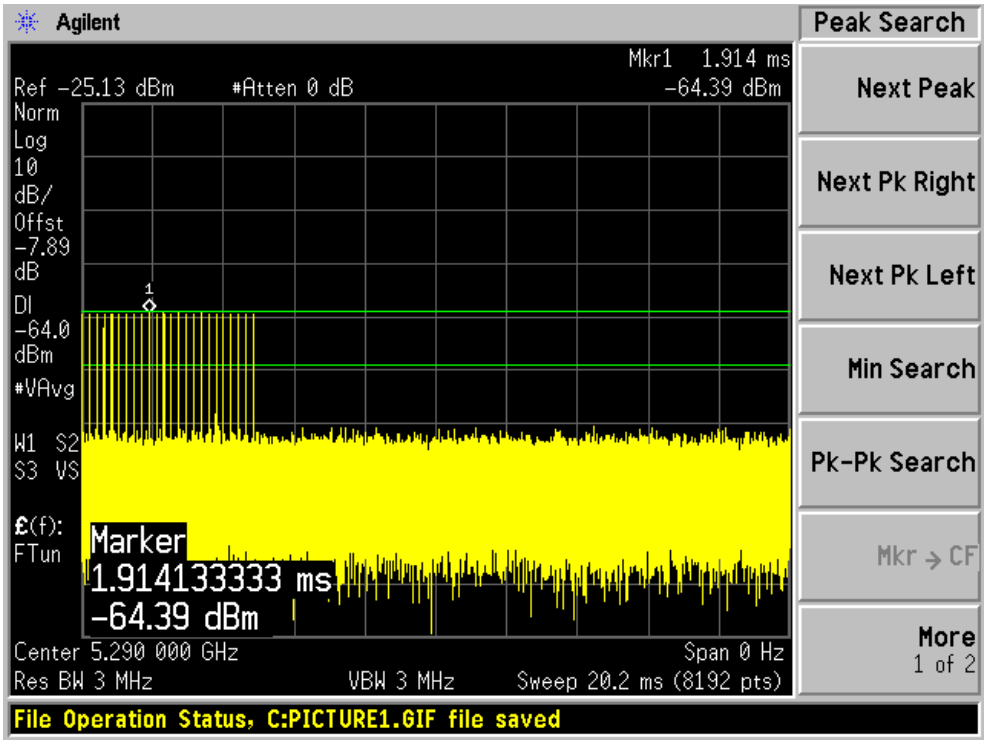
Radar Type 1A



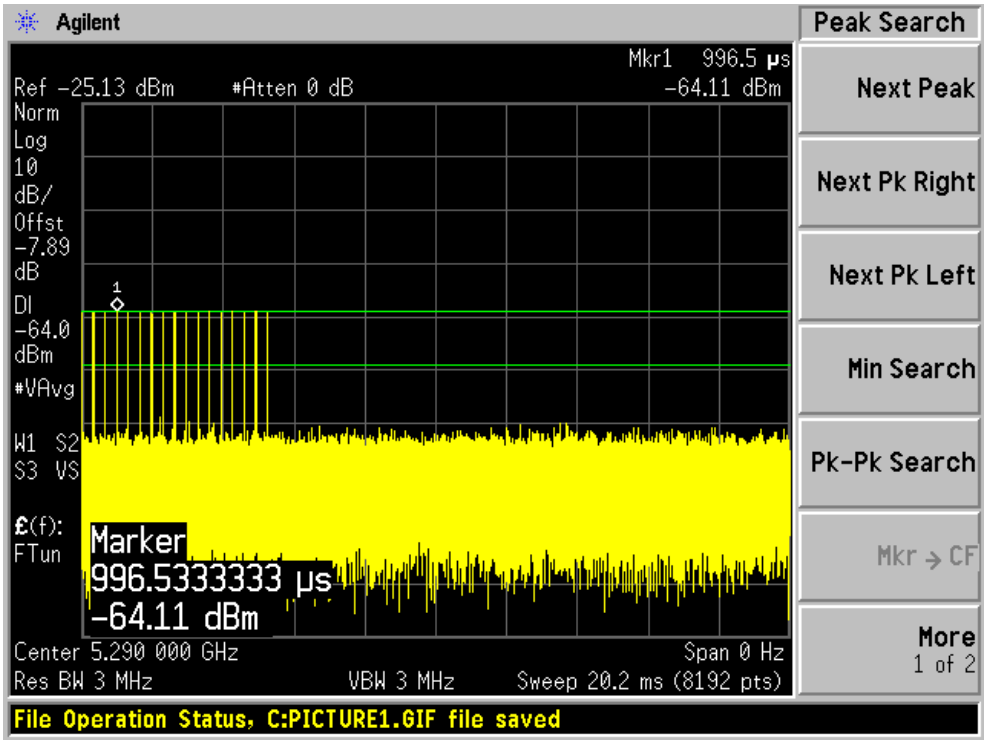
Radar Type 1B



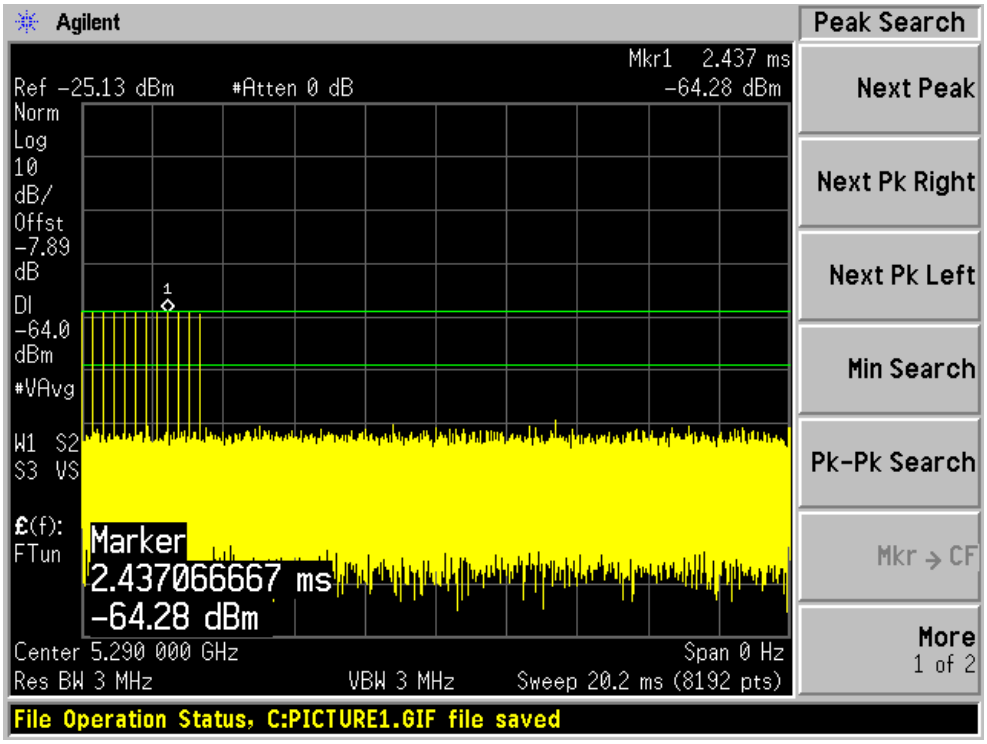
Radar Type 2



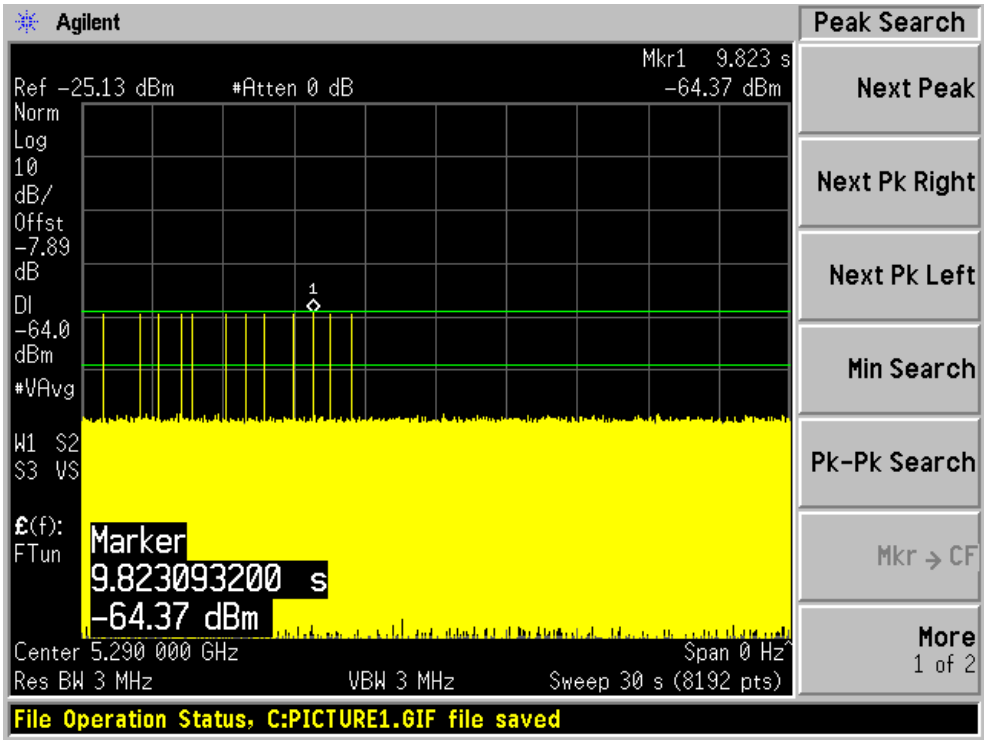
Radar Type 3



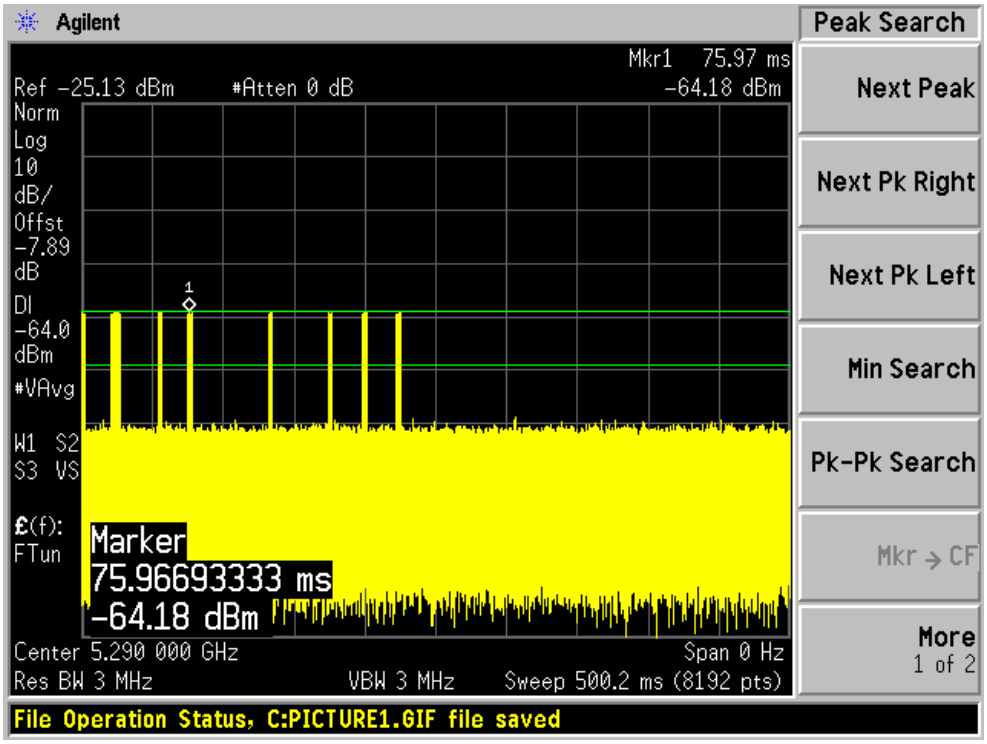
Radar Type 4



Radar Type 5

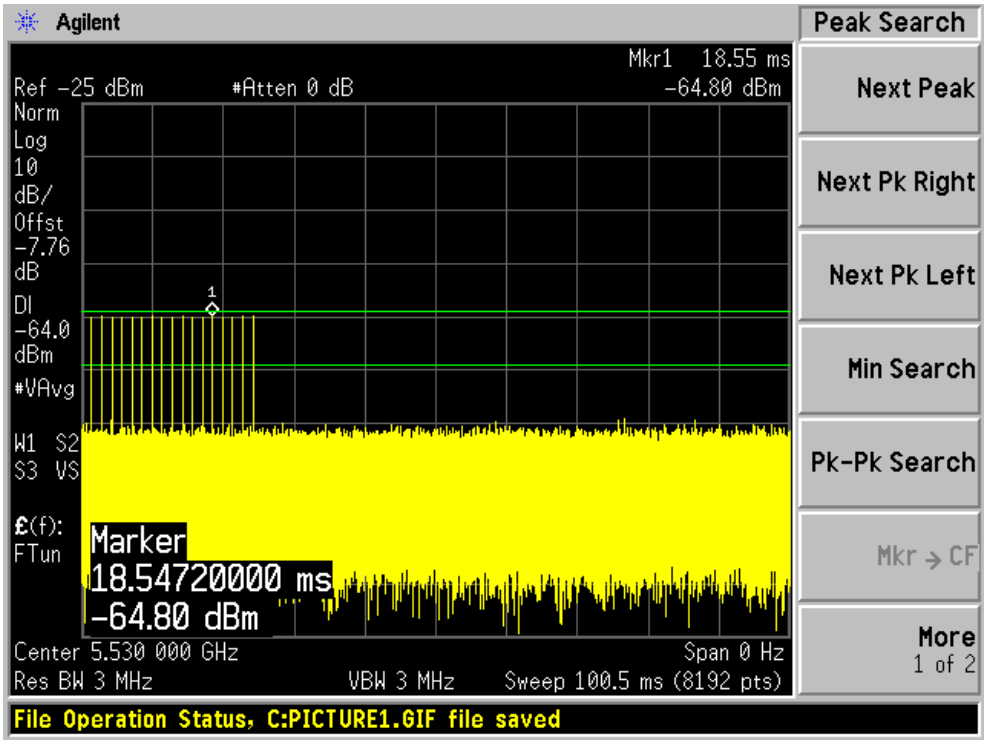


Radar Type 6

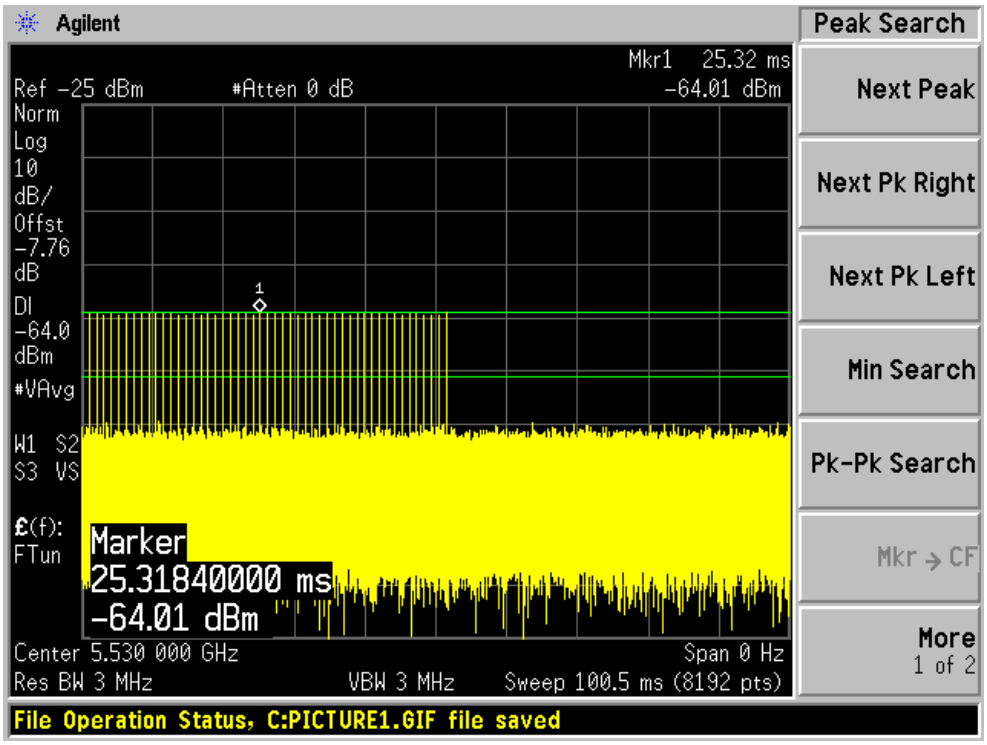


5530 MHz:

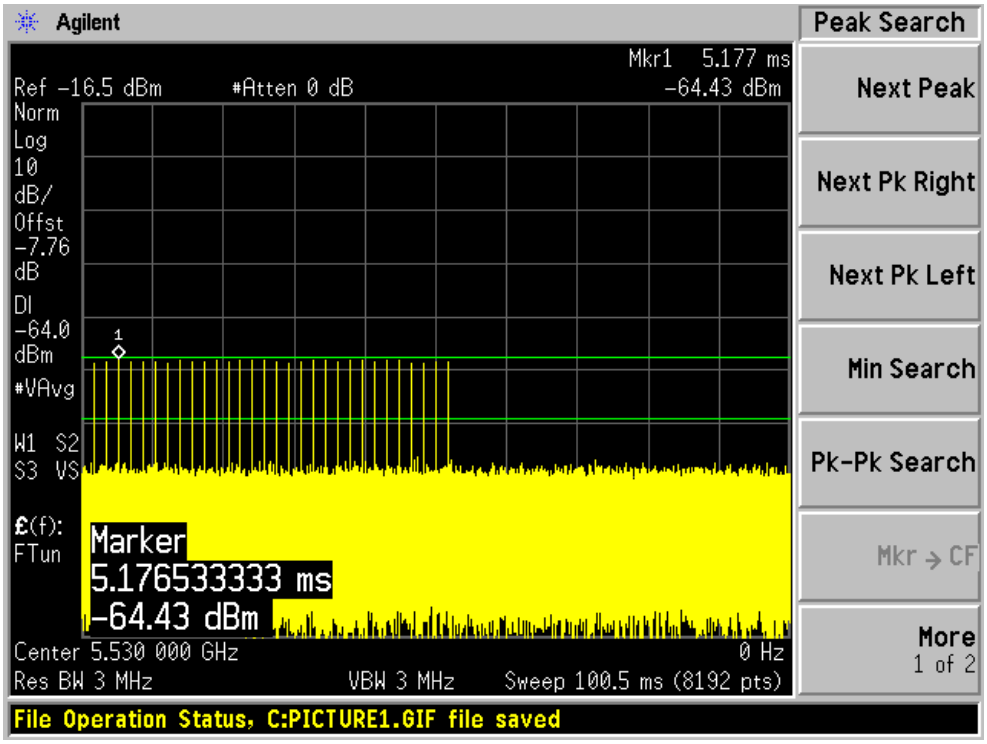
Radar Type 0



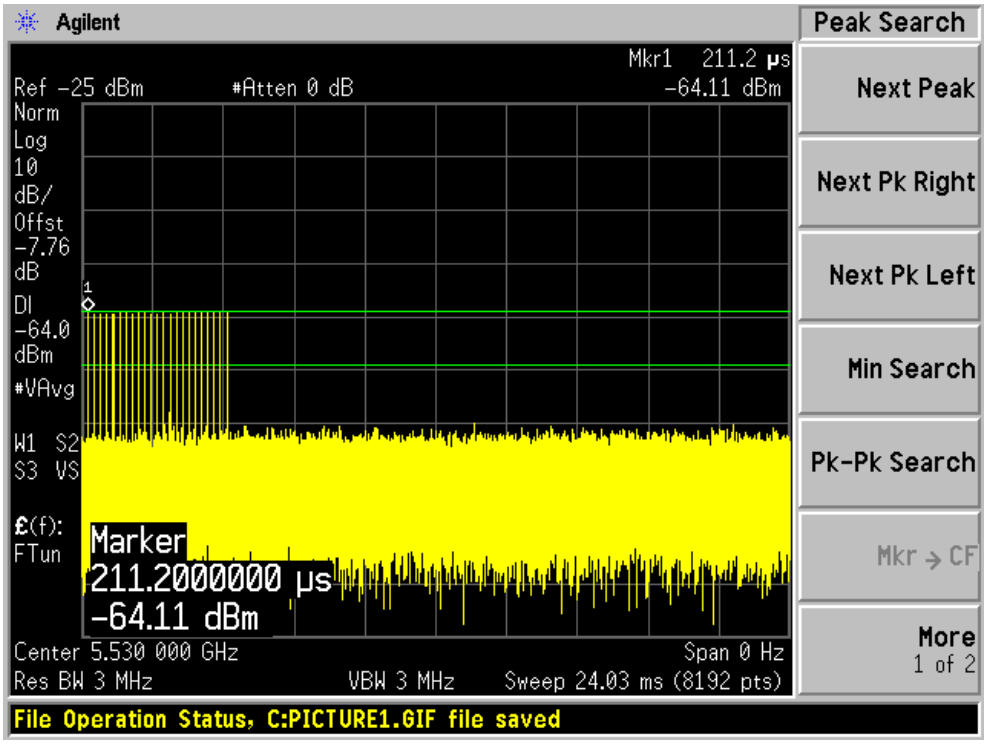
Radar Type 1A



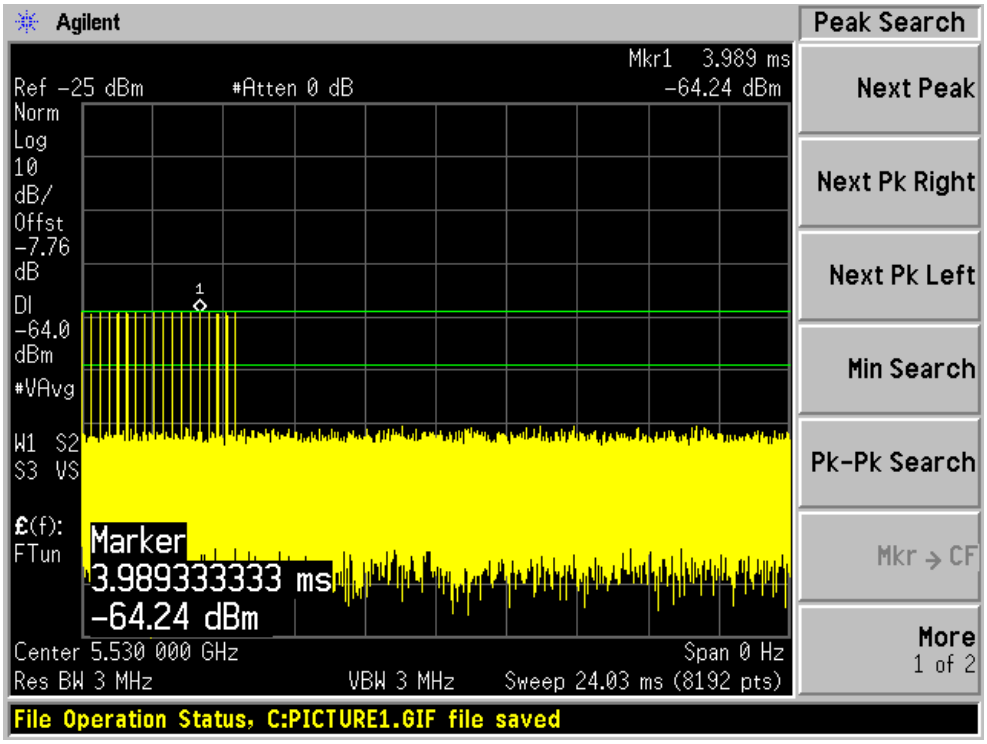
Radar Type 1B



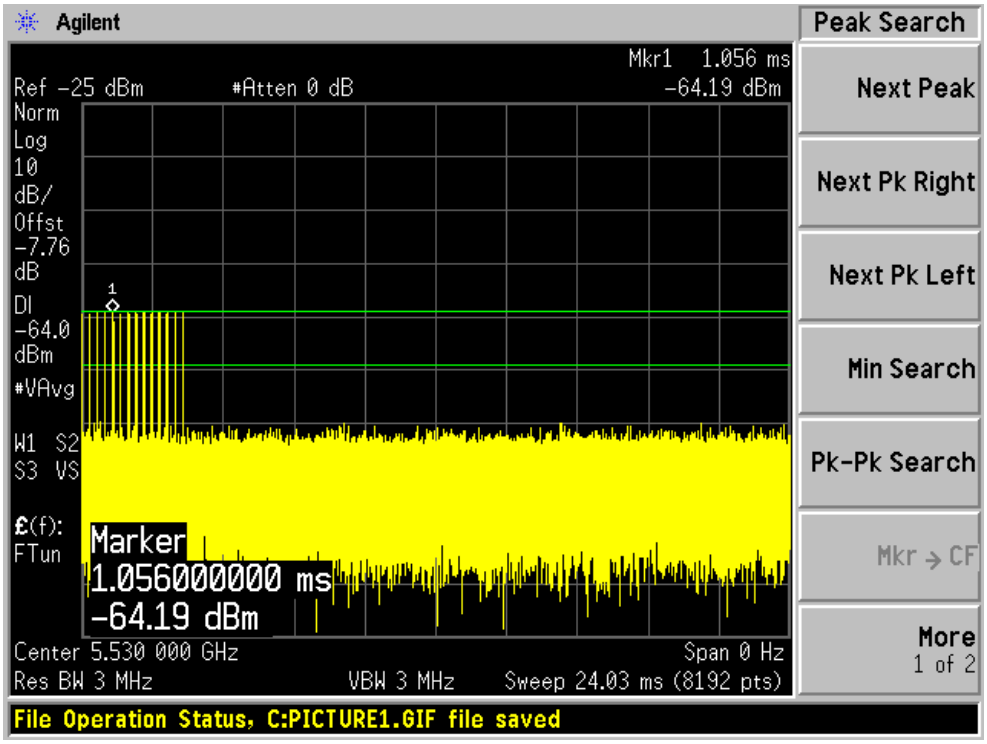
Radar Type 2



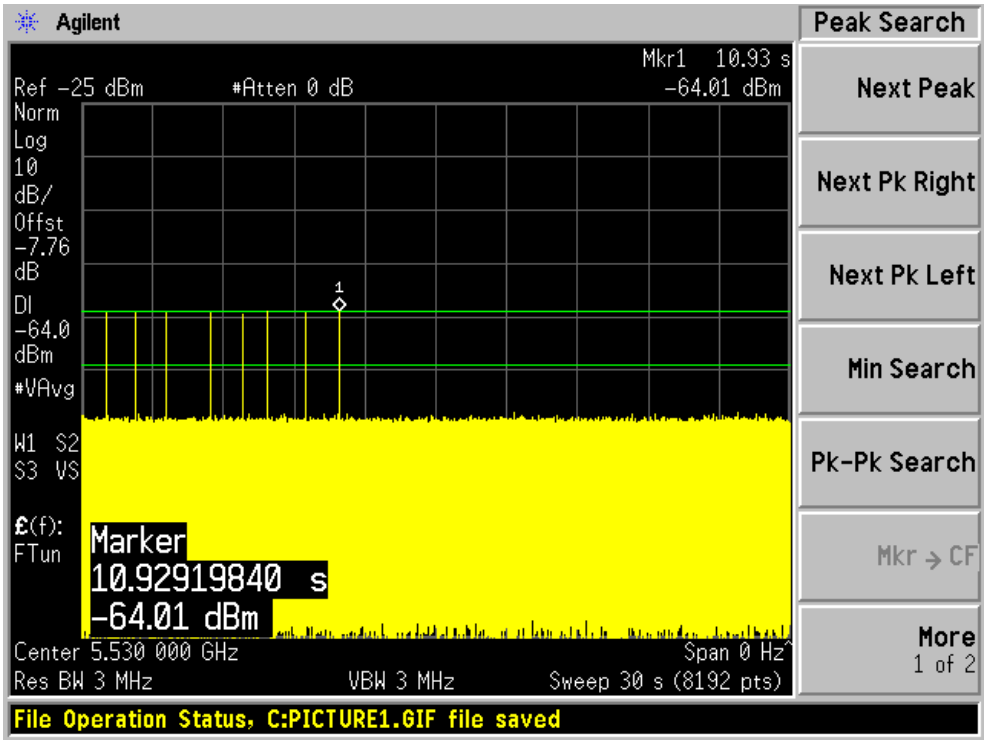
Radar Type 3



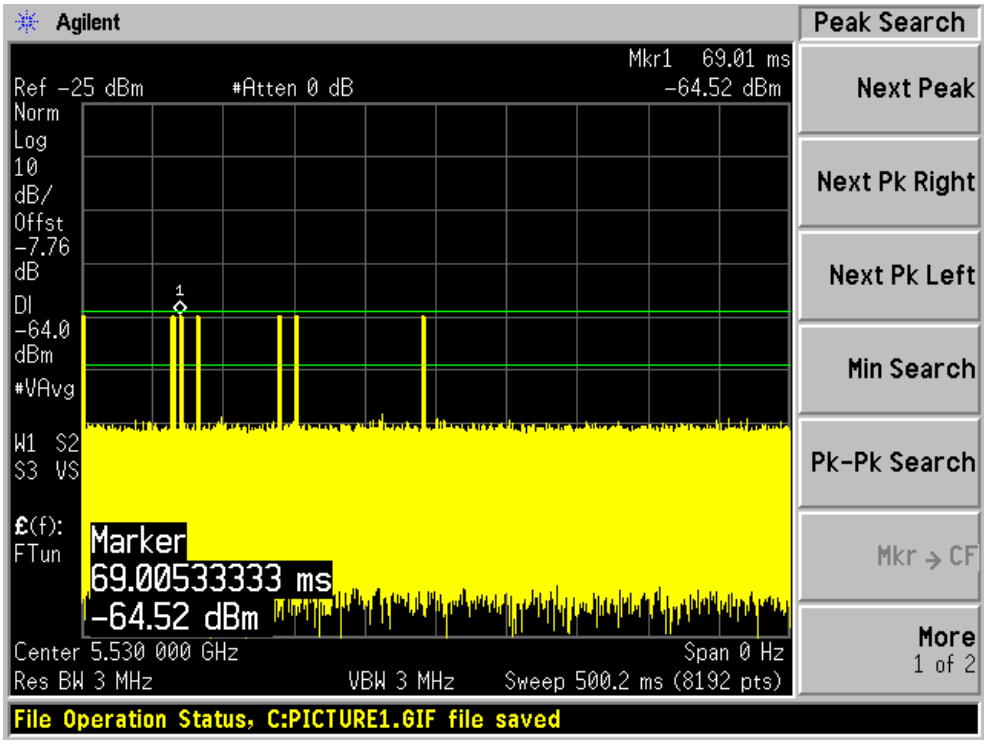
Radar Type 4



Radar Type 5



Radar Type 6



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)
5290	123.2
5530	126.4

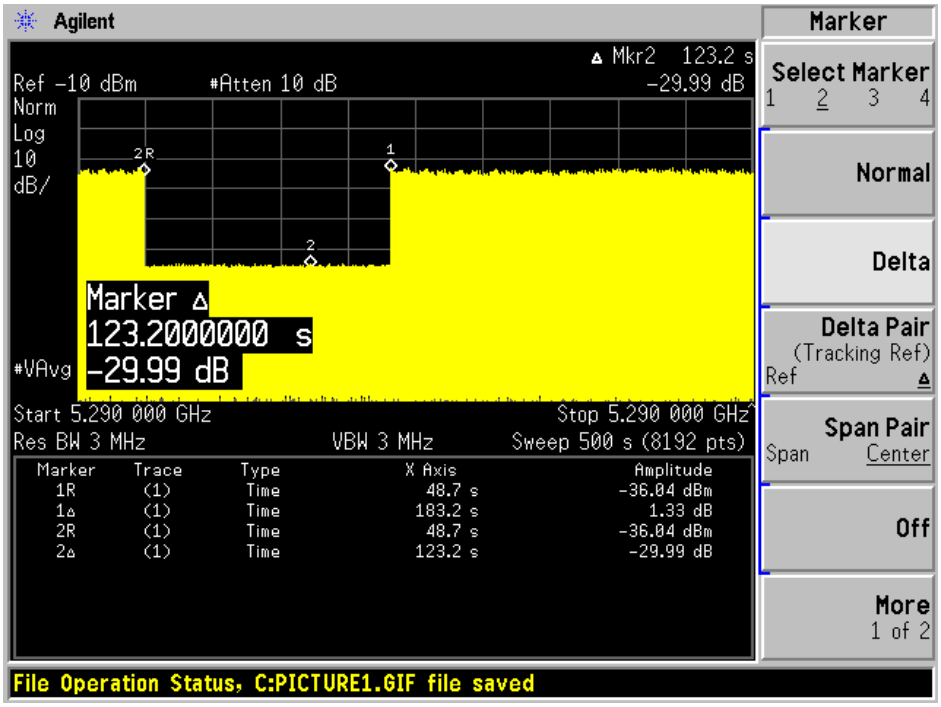
Results:

Timing of Radar Burst	Spectrum Analyzer Display
No Radar Triggered	Transmission begin after power-up cycle +60 seconds CAC
Within 2 seconds of the CAC starting	No transmission
Within the last 2 seconds of the CAC	No transmission

Please refer to the following plots.

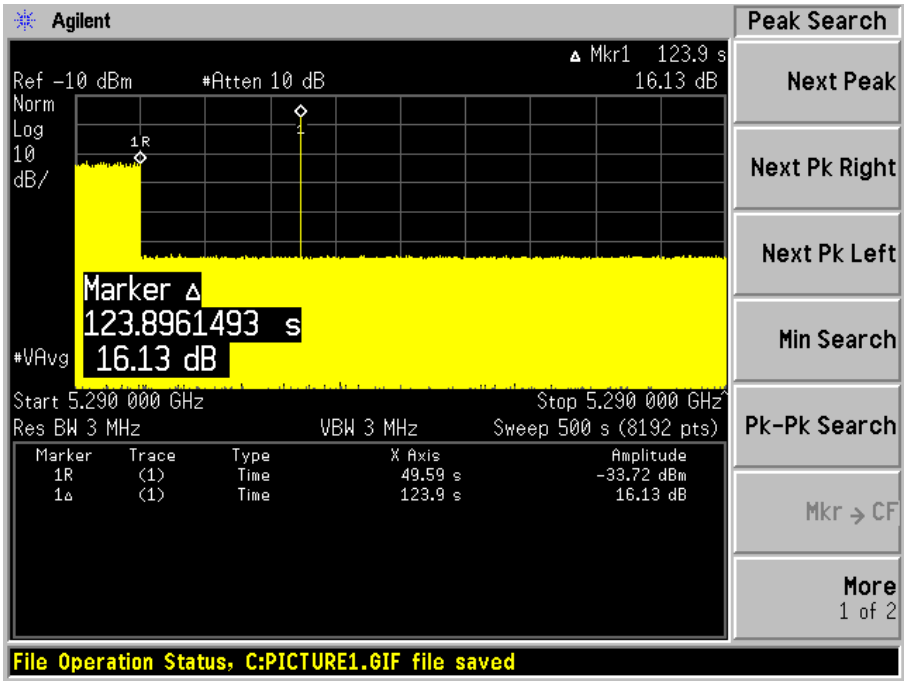
5290 MHz:

Plot of without Radar signal applied



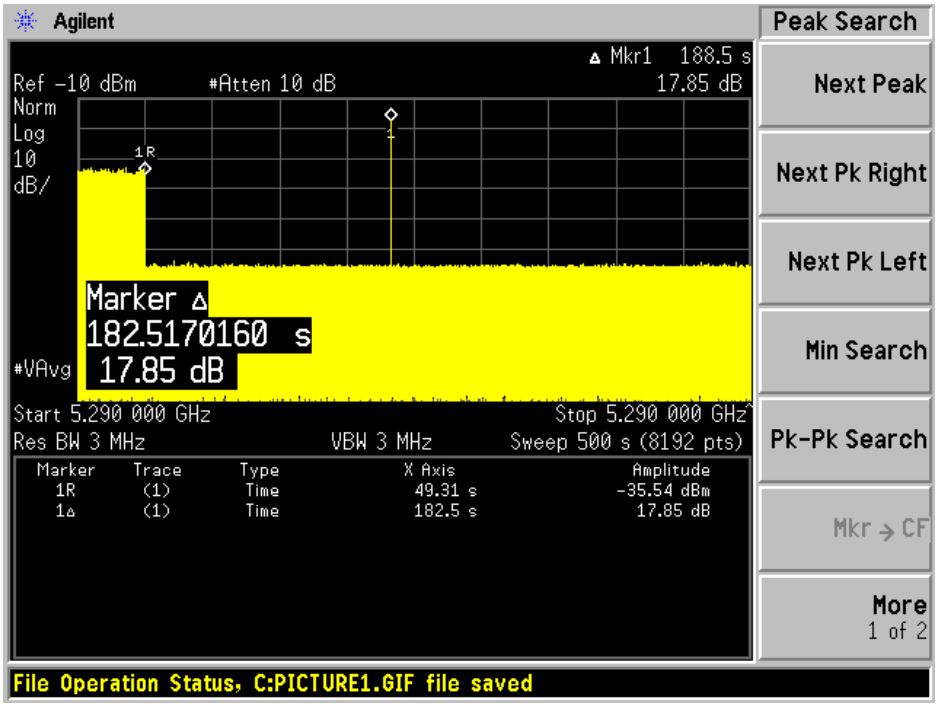
Note: The power-up cycle is 123.2 seconds.

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



No transmissions found after radar signal applied.

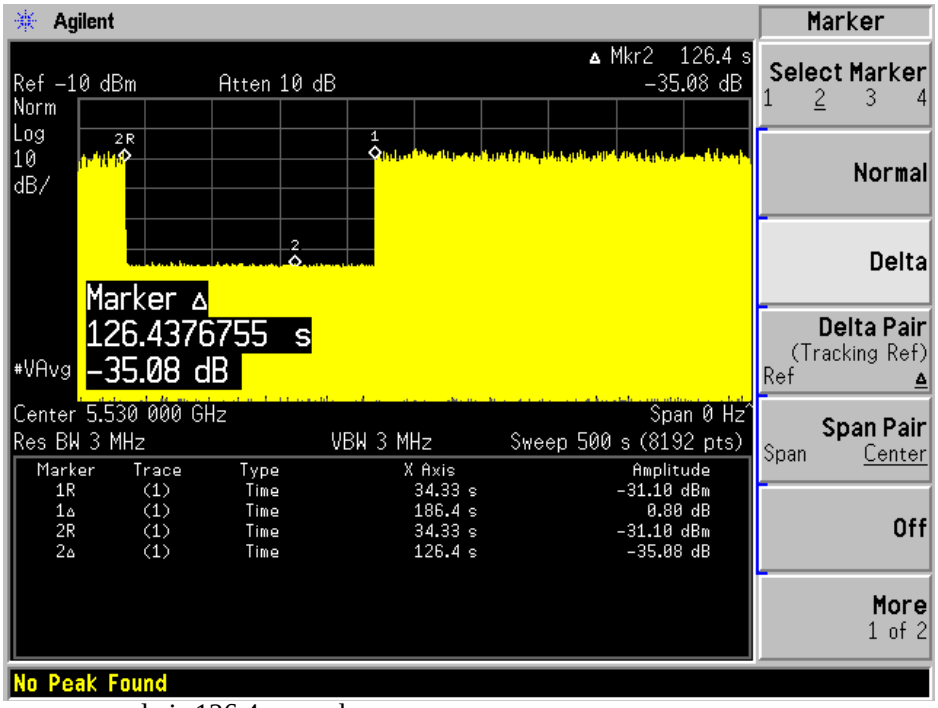
Plot of Radar signal applied at the end of 6 seconds of CAC



No transmissions found after radar signal applied.

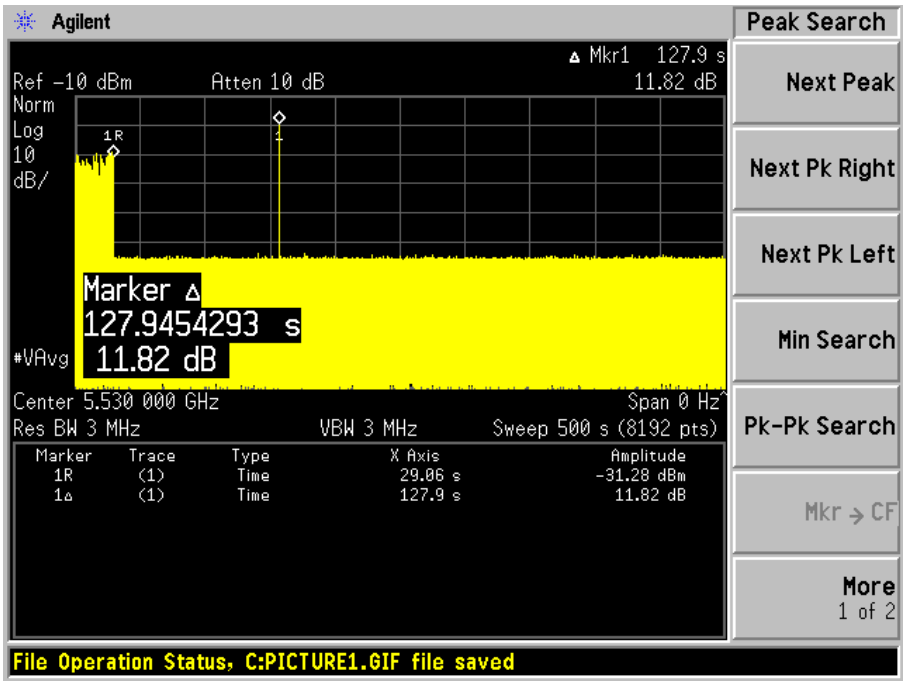
5530 MHz:

Plot of without Radar signal applied



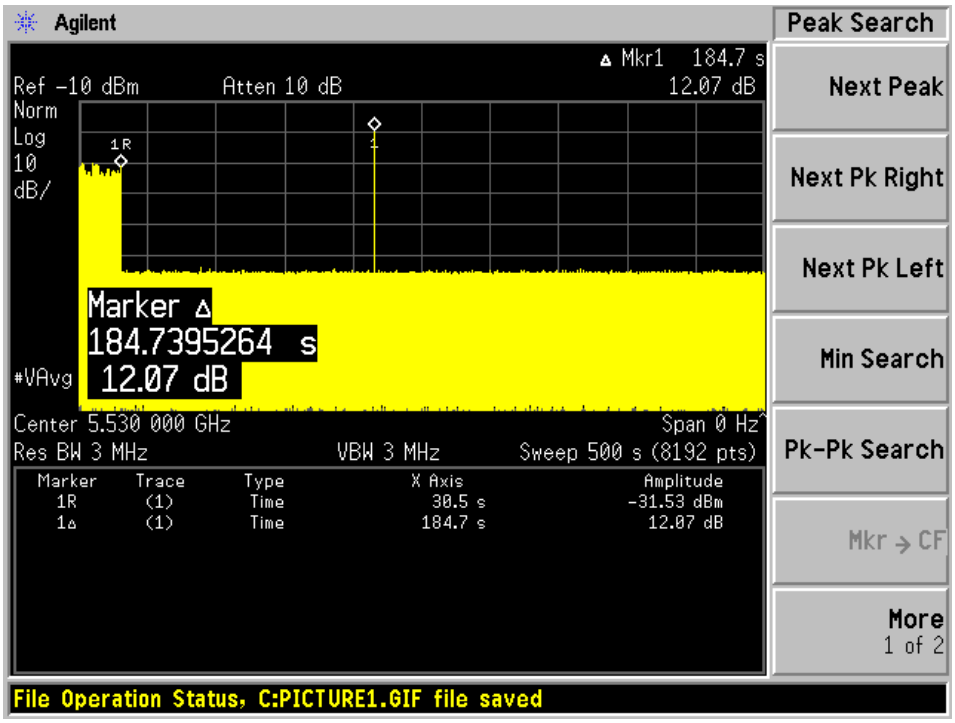
Note: The power-up cycle is 126.4 seconds.

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



No transmissions found after radar signal applied.

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



No transmissions found after radar signal applied.

CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

Test Procedure

Perform type 0 short pulse radar waveform, repeat using a long pulse radar type5 waveform.
The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = N*Dwell Time

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

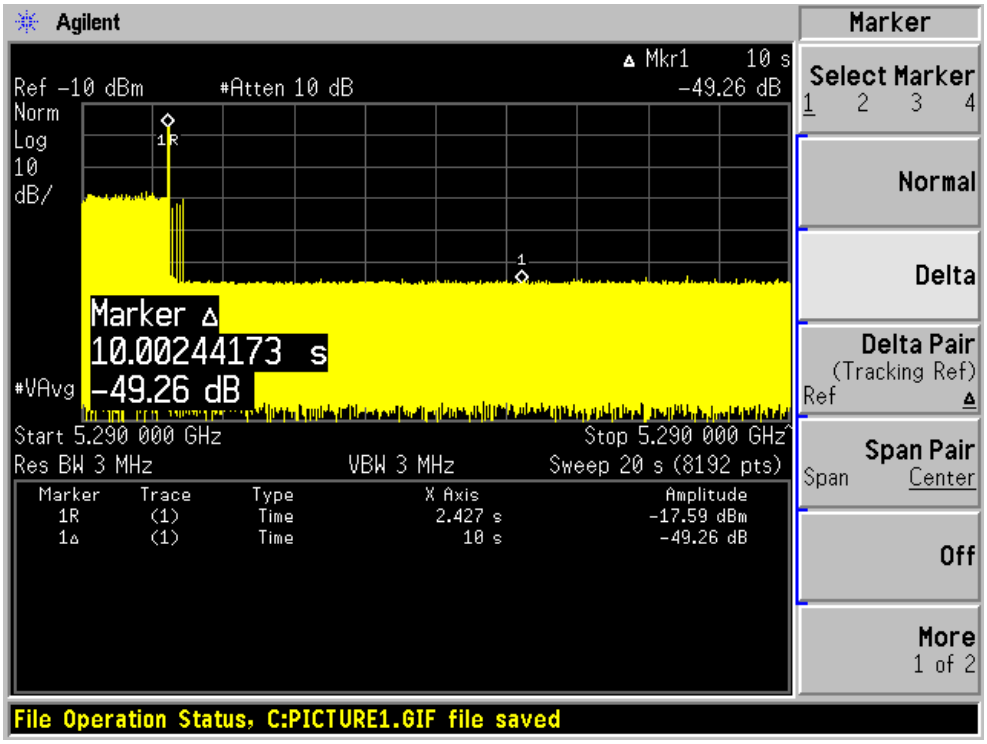
Test Results

Frequency (MHz)	Bandwidth (MHz)	Radar Type	Results
5290	80	Type 1	Compliant
		Type 5	Compliant
5530	80	Type 1	Compliant
		Type 5	Compliant

Please refer to the following tables and plots.

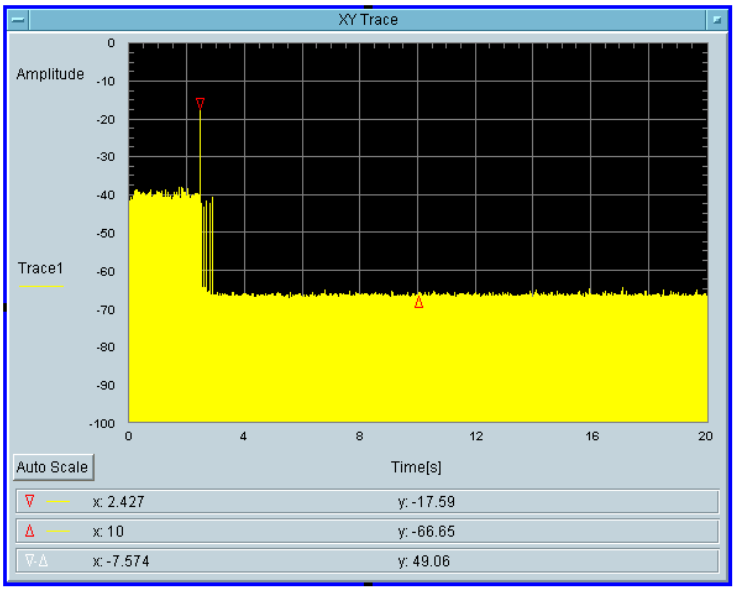
5290 MHz

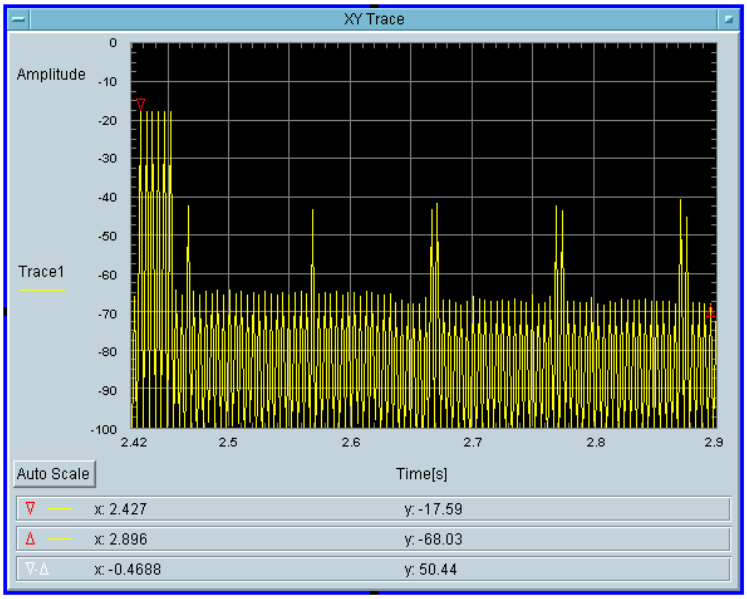
Type 0 radar channel move time result:



Type0 radar channel closing transmission time result:

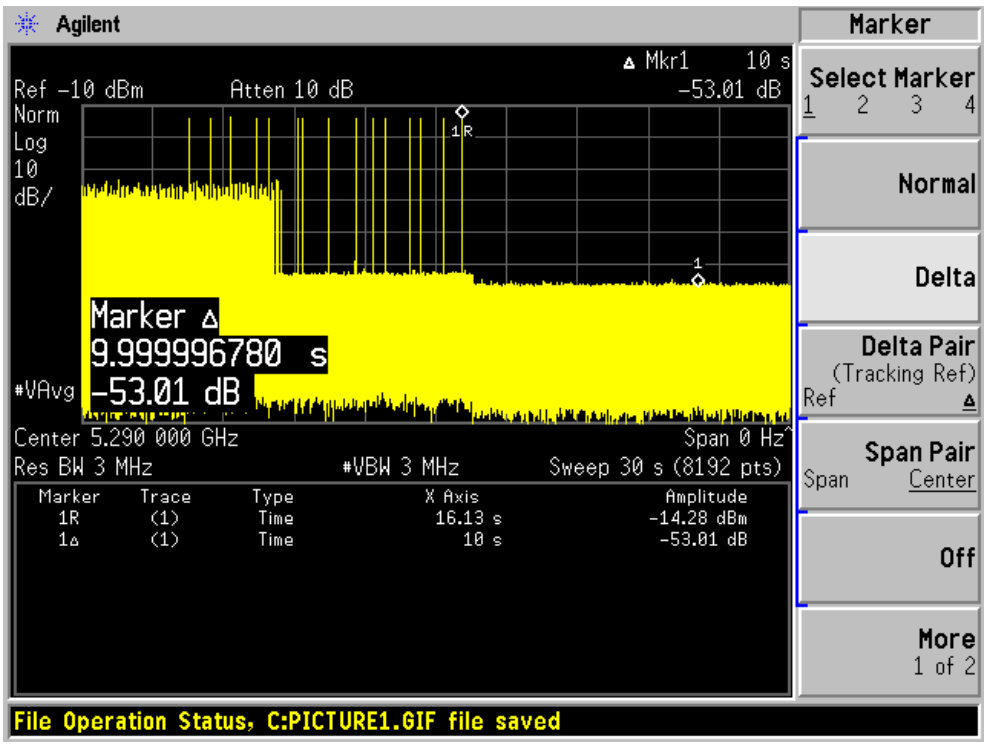
Aggregate Transmission Time (ms)	Limit (ms)
14.65	60





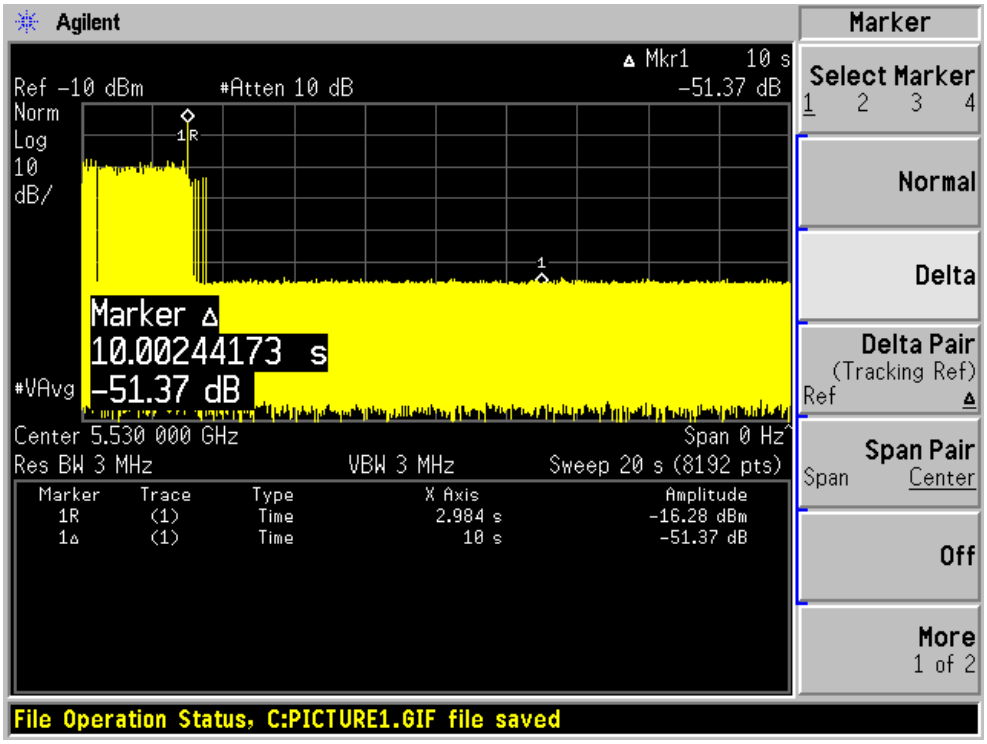
Type 5 radar channel move time result:

The traffic ceases period to the end of the radar waveform, therefore it also ceases period to 10 seconds after of the end of the radar waveform.



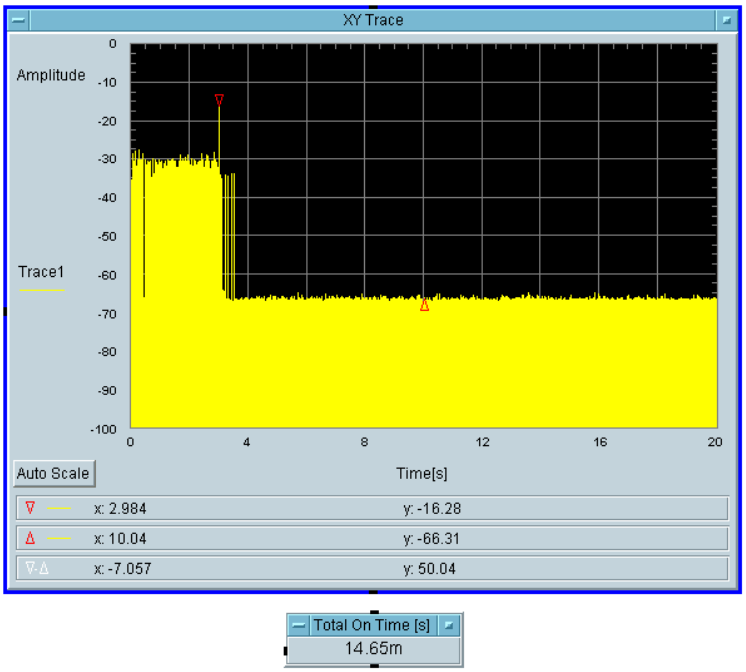
5530 MHz

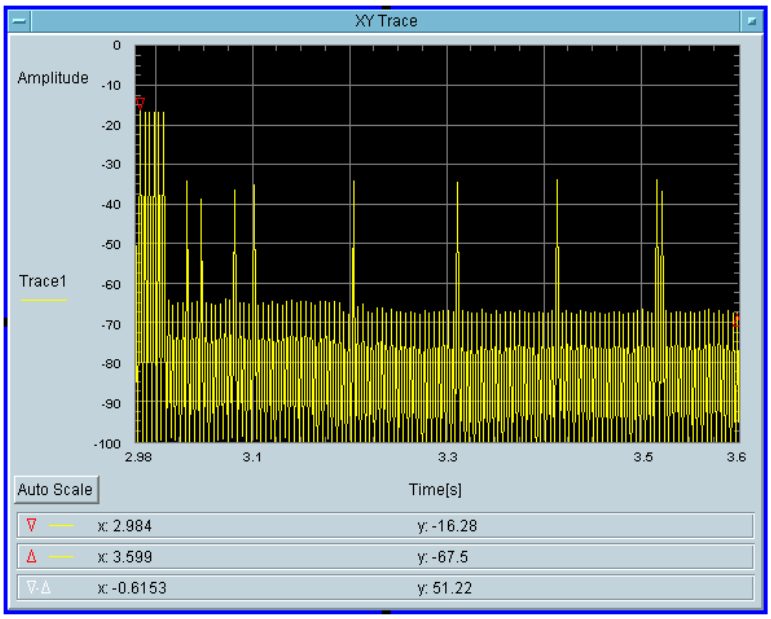
Type 0 radar channel move time result:



Type0 radar channel closing transmission time result:

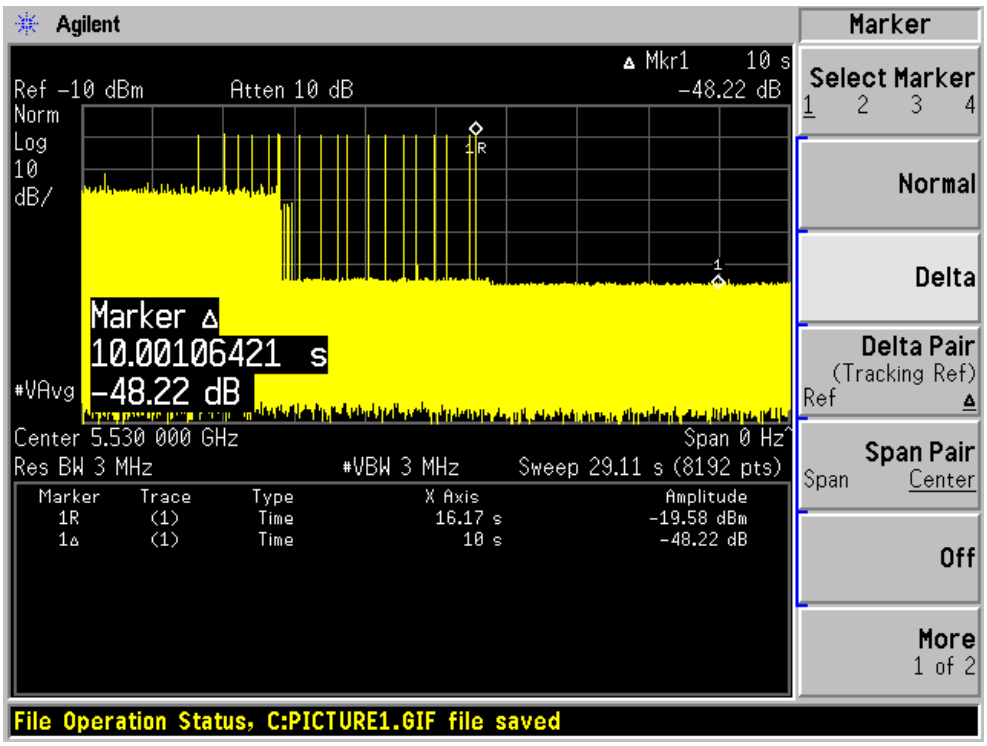
Aggregate Transmission Time (ms)	Limit (ms)
14.65	60





Type 5 radar channel move time result:

The traffic ceases period to the end of the radar waveform, therefore it also ceases period to 10 seconds after of the end of the radar waveform.



NON-OCCUPANCY PERIOD

Test Procedure

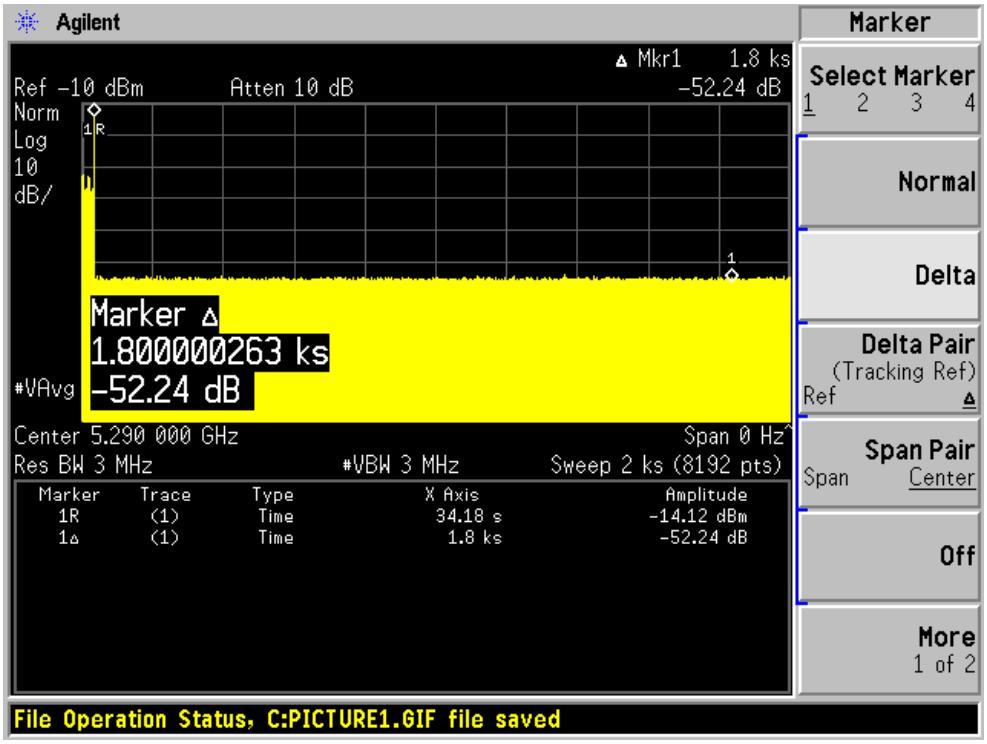
Measure the EUT for more than 30 minutes following the channel close/move time to very that the EUT does not resume any transmissions on this channel. Provide one plot to demonstrate no transmission on the channel for the non-occupancy period (30 minutes observation time)

Test Result

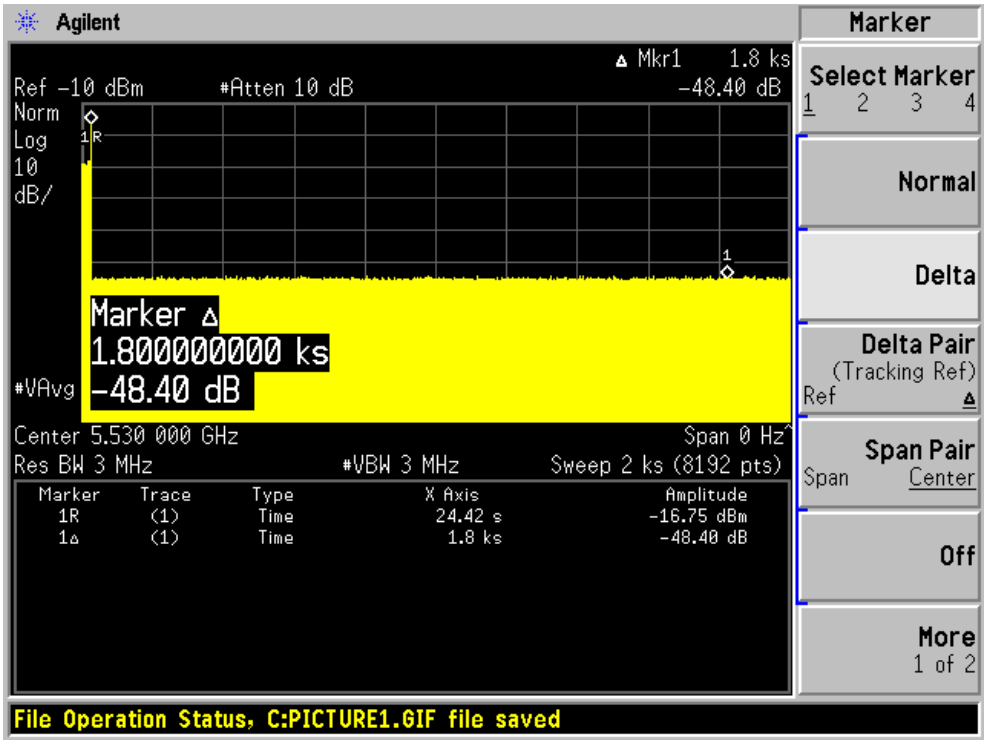
Frequency(MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5290	80	No transmission within 30 minutes
5530	80	No transmission within 30 minutes

Please refer to the following plots.

5290 MHz



5530 MHz



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
5260	20	5250	5270	20	18.16	100%	Compliance
5270	40	5251	5289	38	36.48	100%	Compliance
5290	80	5251	5329	78	76.16	100%	Compliance
5500	20	5490	5510	20	18.16	100%	Compliance
5510	40	5491	5529	38	36.48	100%	Compliance
5530	80	5491	5569	78	76.16	100%	Compliance

Please refer to the following tables and plots.

Results of Detection Bandwidth:

20MHz Bandwidth, EUT Frequency = 5260MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5250(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5251	1	1	1	1	1	1	1	1	1	1	100 %
5252	1	1	1	1	1	1	1	1	1	1	100 %
5253	1	1	1	1	1	1	1	1	1	1	100 %
5254	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5266	1	1	1	1	1	1	1	1	1	1	100 %
5267	1	1	1	1	1	1	1	1	1	1	100 %
5468	1	1	1	1	1	1	1	1	1	1	100 %
5269	1	1	1	1	1	1	1	1	1	1	100 %
5270(F_H)	1	1	1	1	1	1	0	1	1	1	90%
Detection Bandwidth = $F_H – F_L$ = 5270-5250 = 20 MHz											
EUT 99% BW = 18.16 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	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 %
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 = 18.16 MHz; **Result:** Pass											

40MHz Bandwidth, EUT Frequency = 5270 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 %
5256	1	1	1	1	1	1	1	1	1	1	100 %
5257	1	1	1	1	1	1	1	1	1	1	100 %
5258	1	1	1	1	1	1	1	1	1	1	100 %
5259	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 %
5281	1	1	1	1	1	1	1	1	1	1	100 %
5282	1	1	1	1	1	1	1	1	1	1	100 %
5283	1	1	1	1	1	1	1	1	1	1	100 %
5284	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 %
5288	1	1	1	1	1	1	1	1	1	1	100 %
5289(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
Detection Bandwidth = $F_H - F_L$ = 5289-5251 = 38 MHz											
EUT 99% BW = 36.48 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 %
5496	1	1	1	1	1	1	1	1	1	1	100 %
5497	1	1	1	1	1	1	1	1	1	1	100 %
5498	1	1	1	1	1	1	1	1	1	1	100 %
5499	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 %
5521	1	1	1	1	1	1	1	1	1	1	100 %
5522	1	1	1	1	1	1	1	1	1	1	100 %
5523	1	1	1	1	1	1	1	1	1	1	100 %
5524	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 = 36.48 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 %
5256	1	1	1	1	1	1	1	1	1	1	100 %
5257	1	1	1	1	1	1	1	1	1	1	100 %
5258	1	1	1	1	1	1	1	1	1	1	100 %
5259	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5290	1	1	1	1	1	1	1	1	1	1	100 %
5295	1	1	1	1	1	1	1	1	1	1	100 %
5300	1	1	1	1	1	1	1	1	1	1	100 %
5305	1	1	1	1	1	1	1	1	1	1	100 %
5310	1	1	1	1	1	1	1	1	1	1	100 %
5315	1	1	1	1	1	1	1	1	1	1	100 %
5320	1	1	1	1	1	1	1	1	1	1	100 %
5351	1	1	1	1	1	1	1	1	1	1	100 %
5322	1	1	1	1	1	1	1	1	1	1	100 %
5323	1	1	1	1	1	1	1	1	1	1	100 %
5324	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 = 76.16 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	0	1	1	1	1	90 %
5495	1	1	1	0	1	1	1	1	1	1	90 %
5496	1	1	1	1	1	1	1	1	1	1	100 %
5497	1	1	1	1	1	1	1	1	1	0	90 %
5498	1	1	1	0	1	1	1	1	1	1	90 %
5499	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 %
5561	1	1	1	1	1	1	1	1	1	1	100 %
5562	1	1	1	1	1	1	1	1	1	1	100 %
5563	1	1	1	1	1	1	1	1	1	1	100 %
5564	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 = 76.16 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	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:

5260MHz

Radar Type 1A Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5260	95	1	558	1
2	5260	65	1	818	1
3	5260	99	1	538	1
4	5260	74	1	718	1
5	5260	89	1	598	1
6	5260	61	1	878	1
7	5260	86	1	618	1
8	5260	78	1	678	1
9	5260	59	1	898	1
10	5260	62	1	858	1
11	5260	67	1	798	1
12	5260	63	1	838	1
13	5260	102	1	518	1
14	5260	57	1	938	1
15	5260	70	1	758	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	5260	19	1	2798	1
2	5260	19	1	2781	1
3	5260	22	1	2504	1
4	5260	24	1	2285	1
5	5260	82	1	650	1
6	5260	69	1	765	1
7	5260	43	1	1235	1
8	5260	39	1	1360	1
9	5260	21	1	2545	1
10	5260	28	1	1946	1
11	5260	19	1	2864	1
12	5260	79	1	673	1
13	5260	24	1	2250	1
14	5260	19	1	2898	1
15	5260	32	1	1668	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	5260	29	1.9	214	1
2	5260	27	1.5	172	1
3	5260	27	1.1	189	1
4	5260	29	4.9	157	1
5	5260	23	4.4	225	1
6	5260	24	1.5	218	1
7	5260	28	1.8	176	1
8	5260	25	2.6	213	1
9	5260	23	2.4	191	1
10	5260	23	2.9	215	1
11	5260	28	3.7	158	1
12	5260	26	4.9	200	1
13	5260	25	3.4	171	1
14	5260	24	2.7	156	1
15	5260	24	2.9	212	1
16	5260	26	2.1	213	1
17	5260	26	1.2	162	1
18	5260	23	1.5	199	1
19	5260	29	1.9	205	1
20	5260	25	1.9	214	1
21	5260	26	4.6	173	1
22	5260	28	2.3	166	1
23	5260	25	4.2	171	1
24	5260	28	1.4	203	1
25	5260	24	1.8	227	1
26	5260	24	2.7	172	1
27	5260	29	4.5	157	1
28	5260	23	3.8	153	1
29	5260	28	1.7	216	1
30	5260	25	3.4	211	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	5260	16	9	470	1
2	5260	17	8	345	1
3	5260	17	9.5	248	1
4	5260	17	6.9	275	1
5	5260	17	10	406	1
6	5260	18	9.9	473	1
7	5260	16	8	438	1
8	5260	18	7.6	493	1
9	5260	16	8.8	349	1
10	5260	16	6.3	458	1
11	5260	16	8.9	486	1
12	5260	16	9.1	214	1
13	5260	17	6.2	477	1
14	5260	17	7.8	300	1
15	5260	18	8.4	226	1
16	5260	18	9.3	446	1
17	5260	17	9	356	1
18	5260	18	6.7	331	1
19	5260	18	9.8	378	1
20	5260	18	9.8	342	1
21	5260	18	10	310	1
22	5260	18	6.1	327	1
23	5260	17	6.9	298	1
24	5260	17	8.9	279	1
25	5260	18	8.8	322	1
26	5260	17	8.4	469	1
27	5260	17	6.9	418	1
28	5260	17	8.9	320	1
29	5260	17	7.4	414	1
30	5260	16	7.5	274	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	5260	15	19.4	445	1
2	5260	16	18.6	378	1
3	5260	15	19.3	208	1
4	5260	14	15.7	296	1
5	5260	14	12.7	210	1
6	5260	16	11.7	465	1
7	5260	16	14	401	1
8	5260	12	15.3	335	1
9	5260	12	11.6	222	1
10	5260	16	19.3	233	1
11	5260	14	16.5	452	1
12	5260	14	18.4	292	1
13	5260	12	12.3	469	1
14	5260	13	15.8	204	1
15	5260	14	17.5	363	1
16	5260	16	13.4	434	1
17	5260	14	14	488	1
18	5260	14	18.1	451	1
19	5260	15	18.1	392	1
20	5260	15	15.5	453	1
21	5260	14	14.3	479	1
22	5260	15	14.4	362	1
23	5260	13	14.2	318	1
24	5260	12	16.4	247	1
25	5260	13	15.2	395	1
26	5260	14	13.5	304	1
27	5260	14	18	210	1
28	5260	16	14.3	313	1
29	5260	16	14.7	277	1
30	5260	14	11	213	1
Detection Percentage: 100 % (>60%)					

Radar Type 5 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5257MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	8	81.5			1.044397	1
1	3	9	75.2	1794	1415	1.542028	
2	3	17	94.8	1308	1294	3.350463	
3	2	16	81.5	1609		4.646554	
4	2	12	78.1	1846		5.361538	
5	2	9	88.4	1425		6.695564	
6	2	12	92.8	1170		7.998269	
7	1	9	71.5			8.518157	
8	3	20	68.6	1751	1289	9.692637	
9	2	15	67.3	1742		10.84439	

Statistics 2 (ChirpCenter Frequency: 5263 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	6	66.1	1256		0.292054	1
1	1	9	53.6			0.867088	
2	3	6	70.7	1426	1088	2.098668	
3	2	18	71.2	1064		2.793781	
4	2	10	73	1151		2.959682	
5	1	15	78.7			3.78788	
6	2	14	72.9	1551		4.565299	
7	2	12	65.5	1721		4.966959	
8	1	8	55.2			5.736945	
9	3	12	93.2	1575	1929	6.927032	
10	2	8	71.5	1033		7.283332	
11	2	13	89.7	1852		7.950696	
12	3	17	93.9	1109	1939	9.027924	
13	2	14	60.1	1117		9.795973	
14	1	9	96.4			9.944079	
15	2	6	80	1249		10.93279	
16	3	5	91.8	1299	1347	11.95035	

Statistics 3 (ChirpCenter Frequency: 5262 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	10	68.1			0.782255	1
1	2	8	89.3	1228		1.741524	
2	3	16	75.3	1414	1662	2.196443	
3	3	18	54.3	1498	1093	3.344166	
4	3	9	87.2	1677	1673	4.126046	
5	1	12	67.7			5.368659	
6	2	15	55.2	1445		5.908119	
7	2	12	67.8	1613		6.667086	
8	2	18	74.8	1728		7.752722	
9	3	15	57.4	1419	1151	8.864287	
10	1	6	97.3			9.39281	
11	2	6	86.7	1665		10.31268	
12	2	11	60.8	1017		11.90688	

Statistics 4 (ChirpCenter Frequency: 5258 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	6	77.9	1538		0.334109	1
1	3	20	57	1483	1495	0.859572	
2	2	10	81.2	1274		1.542232	
3	2	10	87.6	1149		2.064837	
4	2	10	94.6	1022		3.121902	
5	3	6	68.9	1425	1364	3.220859	
6	3	17	81.1	1283	1392	4.186247	
7	2	7	59.7	1244		4.811798	
8	2	10	82.7	1075		5.077293	
9	2	10	98.9	1637		6.114189	
10	2	8	99	1683		6.485961	
11	2	19	97.3	1780		7.217042	
12	3	14	74.9	1470	1801	7.71691	
13	1	7	86.6			8.284996	
14	2	6	80.4	1746		9.14254	
15	1	19	86.4			9.902002	
16	2	6	82.6	1904		10.61755	
17	1	6	94.6			11.14813	
18	2	16	95.7	1051		11.61253	

Statistics 5(ChirpCenter Frequency: 5262 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	19	59.2	1354		0.054029	1
1	3	11	50.5	1150	1945	0.945321	
2	1	12	83.4			2.065266	
3	2	14	76.1	1200		2.802479	
4	2	20	84.6	1382		2.982628	
5	3	16	51.1	1360	1744	3.796627	
6	3	16	56.1	1287	1322	4.56457	
7	2	20	65.7	1457		5.102597	
8	1	5	50.1			5.686372	
9	2	13	76.4	1052		6.571156	
10	2	16	53.7	1569		7.221375	
11	2	5	66	1175		8.312965	
12	3	7	69	1951	1637	9.055355	
13	3	5	73.3	1181	1158	9.20796	
14	1	6	84.2			10.43865	
15	3	19	62	1896	1725	11.14271	
16	2	13	94.4	1913		11.42551	

Statistics 6 (ChirpCenter Frequency: 5255 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	8	59.5			0.988373	1
1	1	13	73.1			1.98447	
2	1	11	50.3			2.64711	
3	2	12	56.5	1379		3.061781	
4	1	7	57.3			4.513422	
5	3	5	91.8	1001	1566	5.130464	
6	3	7	98.9	1271	1904	6.284929	
7	2	20	79.8	1294		7.548735	
8	3	8	78.5	1895	1145	8.360801	
9	2	8	83.6	1803		9.135876	
10	2	17	68.5	1242		10.50106	
11	2	18	88.9	1039		11.2198	

Statistics 7(ChirpCenter Frequency: 5262 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	14	64	1216	1996	0.477132	1
1	2	7	50.9	1830		1.779861	
2	2	17	66.2	1602		1.92047	
3	2	12	65	1145		2.809131	
4	1	7	89.2			4.354078	
5	3	19	69	1726	1732	4.748119	
6	1	14	90.1			5.937858	
7	2	16	55.9	1957		6.781715	
8	2	19	79.6	1663		8.132656	
9	2	10	50.5	1482		8.441609	
10	2	14	84.8	1250		9.749286	
11	2	8	59.4	1769		10.42489	
12	2	16	84.8	1854		11.4459	

Statistics 8 (ChirpCenter Frequency: 5256 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	19	85.7	1171		0.340106	1
1	1	16	75.6			1.38794	
2	2	14	60.4	1620		1.970313	
3	2	17	94.3	1220		2.527418	
4	3	6	61.8	1729	1879	3.627708	
5	1	12	81.6			3.813859	
6	3	15	54.8	1825	1718	5.218456	
7	3	7	51.8	1851	1162	5.878537	
8	2	17	75.6	1658		6.405703	
9	2	17	88	1901		7.377975	
10	1	15	70.9			8.163754	
11	2	8	74.1	1930		8.755531	
12	1	13	60.9			9.540319	
13	1	6	57.3			9.819669	
14	3	15	92.9	1946	1930	11.06428	
15	3	12	73	1274	1349	11.9892	

Statistics 9 (ChirpCenter Frequency: 5253 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	12	87.7			0.027252	1
1	2	10	60.6	1226		1.278272	
2	2	5	57.2	1023		2.623749	
3	3	11	70.9	1804	1457	3.222447	
4	1	14	82.9			4.088135	
5	2	15	94.1	1046		4.85177	
6	3	17	60.7	1994	1335	5.763406	
7	2	6	66.1	1544		6.878726	
8	1	8	87			7.949082	
9	2	13	60.8	1060		8.51403	
10	2	16	85.8	1871		9.411976	
11	2	6	93.6	1502		10.21359	
12	2	7	86.8	1508		11.40619	

Statistics 10 (ChirpCenter Frequency: 5262 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	9	50.4			0.071425	0
1	1	7	51.9			1.197844	
2	3	17	58.6	1474	1658	2.203167	
3	2	7	76.1	1044		3.122333	
4	2	20	70.2	1285		3.801955	
5	3	17	68.8	1748	1811	4.564274	
6	1	19	59.7			5.48926	
7	2	11	92.4	1379		5.844747	
8	3	20	64.8	1725	1410	6.61188	
9	1	16	72.2			7.872986	
10	1	9	66.4			8.280875	
11	3	8	52.4	1844	1821	9.489107	
12	3	7	85.7	1159	1068	10.37352	
13	1	15	59.4			10.6069	
14	2	12	88.5	1847		11.42062	

Statistics 11 (ChirpCenter Frequency: 5259 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	15	89.4			0.133741	1
1	2	15	78.6	1572		1.123378	
2	3	16	75.2	1105	1352	1.439324	
3	2	15	83.4	1881		2.122994	
4	2	14	60.7	1554		3.262751	
5	2	12	72.5	1089		4.13984	
6	2	16	73.5	1168		4.892553	
7	3	15	65.8	1768	1093	5.018521	
8	2	8	54.9	1651		6.329729	
9	2	11	85.8	1676		6.784431	
10	3	14	59.5	1186	1620	7.597585	
11	2	7	82.7	1554		7.961512	
12	2	12	91.7	1693		8.530949	
13	3	15	89.9	1705	1945	9.713903	
14	2	8	53.8	1809		10.20112	
15	2	11	65.6	1773		10.62335	
16	2	20	54	1294		11.861	

Statistics 12 (ChirpCenter Frequency: 5263 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	10	86.8	1471		0.201766	1
1	3	16	91.8	1121	1464	1.321204	
2	2	5	64.6	1528		3.071887	
3	2	14	52.6	1912		4.698116	
4	2	8	73.2	1704		4.864487	
5	1	17	52.8			7.180856	
6	2	10	88.7	1976		7.473101	
7	2	20	85.4	1853		9.163891	
8	3	17	93.1	1384	1912	10.38572	
9	3	11	63.7	1605	1879	11.54493	

Statistics 13 (ChirpCenter Frequency: 5256 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	5	94.3	1844		0.417842	1
1	3	17	53.2	1256	1832	1.118475	
2	3	18	59.4	1999	1350	1.517938	
3	1	19	85.9			2.417802	
4	2	12	89.8	1847		3.385276	
5	1	14	57.6			4.051419	
6	3	14	75.9	1714	1004	4.664344	
7	2	15	89.8	1856		5.232418	
8	2	18	66.1	1070		6.340761	
9	2	13	60.1	1635		6.811504	
10	1	9	70.3			7.212562	
11	3	8	93.8	1500	1613	7.809505	
12	2	14	59.8	1424		9.150036	
13	2	20	79.2	1843		9.51245	
14	1	20	88.2			9.895757	
15	3	11	93.1	1217	1495	10.82264	
16	1	5	66.7			11.66683	

Statistics 14 (ChirpCenter Frequency: 5253 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	19	72.1	1685	1923	0.22817	1
1	2	19	86.6	1192		0.950735	
2	2	19	75.6	1590		1.56483	
3	3	8	93.2	1005	1910	2.274903	
4	1	19	88.3			3.688886	
5	2	11	55.4	1082		4.194287	
6	3	9	67.5	1530	1665	4.568743	
7	1	6	93.7			5.325834	
8	3	13	99.6	1313	1075	6.473476	
9	1	8	70.2			7.445611	
10	3	14	85.7	1607	1927	8.033161	
11	1	11	58.6			8.795871	
12	3	15	57.3	1290	1663	9.15411	
13	1	18	96.8			10.02066	
14	1	9	71.4			11.18478	
15	3	15	67	1232	1732	11.79964	

Statistics 15 (ChirpCenter Frequency: 5262 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	10	60	1345	1622	0.504026	1
1	3	8	78.8	1540	1960	2.220563	
2	3	20	52.9	1826	1630	3.667121	
3	2	5	85.6	1387		4.729115	
4	3	13	85	1644	1750	6.622369	
5	2	6	83.1	1846		7.290211	
6	1	9	58.9			8.677661	
7	3	10	55	1774	1475	10.03737	
8	1	19	87			11.70165	

Statistics 16 (ChirpCenter Frequency: 5256 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	19	86.1	1048		0.140923	1
1	2	10	80.1	1454		0.689984	
2	1	17	77.7			1.844925	
3	2	6	85.9	1533		2.457255	
4	2	11	70.8	1017		2.860073	
5	1	8	67.5			3.533037	
6	2	8	85	1614		4.309902	
7	3	15	96.9	1621	1851	5.070508	
8	2	6	63.4	1982		5.963592	
9	2	9	89.7	1387		6.106288	
10	2	9	75.7	1560		6.910799	
11	3	17	69.1	1260	1150	7.885204	
12	2	11	54.5	1052		8.318669	
13	1	17	65.8			9.325435	
14	2	13	55.6	1614		9.976339	
15	3	20	74.5	1077	1123	10.59974	
16	2	18	64.6	1353		11.04743	
17	2	19	73.7	1255		11.33401	

Statistics 17 (ChirpCenter Frequency: 5254 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	18	72.7	1777		0.720199	1
1	2	18	64.4	1754		1.032307	
2	2	9	57.4	1839		2.384187	
3	3	17	84.9	1899	1405	2.798543	
4	2	13	56.7	1514		3.666692	
5	2	16	94.1	1611		4.671826	
6	3	8	97.7	1118	1461	5.213779	
7	2	15	62.1	1686		6.263377	
8	2	11	77.1	1075		7.392399	
9	1	8	52.8			7.961049	
10	3	16	97.3	1485	1041	8.666878	
11	2	17	75.1	1217		9.613492	
12	2	18	82.6	1997		10.56192	
13	2	13	99.5	1782		11.37286	

Statistics 18 (ChirpCenter Frequency: 5257 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	12	53.9	1174	1417	0.036132	1
1	1	15	58.6			1.533523	
2	1	12	93.9			2.073224	
3	2	12	68.9	1003		3.830304	
4	2	18	68.9	1853		4.497528	
5	2	8	60.7	1013		5.640454	
6	2	18	88.6	1243		6.975937	
7	1	8	65.4			7.440138	
8	2	15	68.3	1892		8.019457	
9	1	13	95.1			9.857756	
10	2	14	91.2	1440		10.00554	
11	2	13	94.8	1109		11.04229	

Statistics 19 (ChirpCenter Frequency: 5259 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	12	64.8	1948		0.425964	0
1	2	11	67.6	1185		2.011727	
2	1	19	78.5			4.324486	
3	2	6	59	1590		5.086837	
4	3	14	50.8	1839	1670	6.953612	
5	3	15	54.6	1234	1194	8.507602	
6	2	12	94.5	1745		10.39285	
7	2	5	74.2	1872		11.42507	

Statistics 20 (ChirpCenter Frequency: 5264 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	20	76.6	1935	1688	0.668185	1
1	2	8	79.5	1281		0.908068	
2	1	12	55.4			1.953907	
3	3	19	74.4	1848	1775	2.489014	
4	2	6	80.1	1540		3.166575	
5	2	19	56.1	1668		4.151251	
6	1	16	99.3			5.165201	
7	3	8	95.5	1303	1189	5.723696	
8	3	6	55.2	1702	1788	6.570388	
9	2	9	55.6	1778		6.796576	
10	1	9	78.3			8.007686	
11	2	6	80.1	1668		8.63595	
12	2	10	92	1676		9.231979	
13	1	9	76			10.27738	
14	3	7	92.7	1913	1718	11.0943	
15	2	10	99.1	1179		11.29043	

Statistics 21 (ChirpCenter Frequency: 5257 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	13	64.6	1880		0.992201	1
1	2	17	68.8	1848		1.759221	
2	2	10	60.8	1731		2.565635	
3	1	13	69.1			4.66908	
4	1	17	57			5.166921	
5	1	7	98			6.305464	
6	2	9	69.7	1263		7.96508	
7	2	14	58.1	1233		9.189597	
8	2	6	88.1	1512		10.35888	
9	2	9	85.8	1453		11.06136	

Statistics 22 (ChirpCenter Frequency: 5264 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	13	98.3			1.300114	1
1	3	19	81	1680	1756	2.335141	
2	2	19	82.1	1976		2.790579	
3	1	12	71.7			4.80247	
4	2	15	78	1466		6.076201	
5	1	9	71.6			7.036261	
6	2	19	77.1	1092		9.294556	
7	2	9	82.9	1731		10.09656	
8	2	11	96.4	1723		11.45213	

Statistics 23 (ChirpCenter Frequency: 5255 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	18	79.9	1459	1978	0.160502	1
1	3	13	68.3	1742	1237	1.173244	
2	1	16	75.5			1.789816	
3	2	15	55.2	1480		2.433344	
4	1	16	73.4			3.09432	
5	2	13	55.4	1265		3.33437	
6	3	19	94.8	1596	1382	4.009165	
7	2	16	96.3	1883		4.809362	
8	3	13	82.6	1576	1398	5.977417	
9	3	15	57.3	1738	1205	6.232986	
10	1	5	73.4			7.169471	
11	1	9	83.8			7.374121	
12	2	12	71.3	1875		8.541447	
13	2	9	69.7	1814		8.768465	
14	3	16	78.7	1315	1056	9.777408	
15	2	19	55.1	1420		10.4271	
16	2	10	51.1	1401		11.05009	
17	2	18	91.3	1518		11.75412	

Statistics 24 (ChirpCenter Frequency: 5262 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	16	56.3			0.319362	1
1	2	14	81.7	1749		2.5238	
2	3	20	66.5	1552	1285	3.959477	
3	2	6	82.1	1539		5.120535	
4	2	8	79.7	1284		6.558368	
5	2	15	97.5	1765		7.5764	
6	2	14	62.8	1583		8.52467	
7	1	6	98			10.31857	
8	2	20	81.3	1965		11.96014	

Statistics 25 (ChirpCenter Frequency: 5258 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	15	95	1810		0.76946	
1	2	8	61.6	1402		0.891079	
2	2	13	62	1013		1.874604	
3	1	12	72.5			3.120888	
4	2	8	83.2	1270		3.400416	
5	1	18	60.9			4.56956	
6	3	15	99	1528	1739	5.349147	
7	3	11	87.6	1945	1234	5.879073	1
8	2	10	88.9	1615		6.46652	
9	1	6	61			7.267158	
10	2	19	61.1	1959		8.594883	
11	1	19	77.2			9.362208	
12	2	10	84.8	1732		9.72207	
13	3	9	62.6	1969	1244	10.60745	
14	2	12	78.6	1270		11.2798	

Statistics 26 (ChirpCenter Frequency: 5265 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	11	53	1295		0.60605	
1	3	19	88.9	1957	1428	1.092495	
2	1	6	79.7			1.446622	
3	1	14	59.3			2.383119	
4	2	17	87	1426		3.088677	
5	3	10	58.3	1327	1033	3.162002	
6	1	17	70.4			4.381016	
7	2	6	66.1	1945		5.044436	
8	2	15	65.4	1211		5.448069	
9	2	12	57.3	1822		5.806888	1
10	3	10	88.6	1826	1708	6.465926	
11	1	5	92.3			7.183583	
12	2	7	91.6	1600		7.855939	
13	2	12	60.9	1037		8.326606	
14	1	15	61.9			9.413718	
15	1	19	96.6			9.796764	
16	1	5	59.8			10.39507	
17	2	19	87.3	1695		11.31634	
18	1	9	60.2			11.94277	

Statistics 27 (ChirpCenter Frequency: 5253 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	10	88.7	1438		0.290313	
1	3	13	68.8	1880	1516	1.420439	
2	3	11	92.2	1759	1550	1.926152	
3	2	7	94.7	1282		2.715102	
4	1	19	96.8			3.979678	
5	1	14	66.5			4.097017	
6	3	13	87.5	1154	1522	5.428109	
7	1	7	96			5.925815	1
8	3	13	90.7	1980	1501	7.159584	
9	2	10	92.3	1665		7.40936	
10	1	11	53.2			8.154906	
11	1	9	96.8			9.389166	
12	2	9	81.4	1583		10.22433	
13	2	9	81.5	1672		10.80056	
14	3	5	78.5	1083	1649	11.27516	

Statistics 28 (ChirpCenter Frequency: 5264 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	11	96.2	1157	1589	0.233785	
1	2	9	66.9	1701		1.14078	
2	2	8	97.1	1539		1.448595	
3	1	10	53.5			2.23768	
4	1	14	55.9			3.035212	
5	1	10	68.2			3.852647	
6	2	10	83.6	1887		4.615885	
7	1	7	90.4			5.474848	
8	2	12	92.9	1264		6.244509	1
9	3	7	95.9	1096	1901	6.808029	
10	2	15	86.2	1795		7.569683	
11	1	6	71.1			8.010768	
12	3	15	60.4	1332	1051	8.51502	
13	1	10	86.6			9.746305	
14	2	17	61.9	1225		10.03191	
15	2	7	52.6	1041		10.85178	
16	2	8	90.5	1294		11.32561	

Statistics 29 (ChirpCenter Frequency: 5253 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	10	53.5	1583		0.49278	1
1	2	7	68.7	1069		1.407279	
2	1	11	62.8			2.563291	
3	3	9	74.9	1935	1418	3.614508	
4	2	8	54.3	1528		4.022957	
5	3	6	51.3	1264	1782	5.764192	
6	2	14	81.4	1733		6.910661	
7	2	10	79.7	1107		7.898955	
8	2	6	80.7	1646		8.283916	
9	3	9	82.6	1168	1955	9.597016	
10	2	17	86.5	1950		10.38206	
11	3	10	81.8	1536	1255	11.25645	

Statistics 30 (ChirpCenter Frequency: 5257 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	19	79.6	1632		0.233991	1
1	3	17	55.1	1877	1411	1.298484	
2	3	8	68.2	1152	1773	2.187414	
3	2	18	60.9	1549		3.227803	
4	3	17	61.6	1482	1543	4.077756	
5	1	8	99.3			4.943242	
6	2	5	75.8	1188		5.580207	
7	2	14	76.2	1947		6.681839	
8	2	6	72.7	1230		7.617916	
9	2	9	71.2	1977		7.839933	
10	3	11	75.1	1081	1264	9.288657	
11	3	11	99.1	1398	1573	10.06157	
12	3	20	66	1067	1665	10.7011	
13	1	5	71.6			11.75273	

Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5260	9	1	333	1	5670.0, 5615.0, 5274.0, 5325.0, 5326.0, 5648.0, 5663.0, 5661.0, 5472.0, 5487.0, 5399.0, 5285.0, 5575.0, 5659.0, 5302.0, 5476.0, 5546.0, 5258.0, 5358.0, 5366.0, 5254.0, 5375.0, 5442.0, 5585.0, 5332.0, 5443.0, 5564.0, 5379.0, 5293.0, 5639.0, 5394.0, 5444.0, 5420.0, 5631.0, 5534.0, 5697.0, 5531.0, 5517.0, 5718.0, 5591.0, 5340.0, 5457.0, 5636.0, 5339.0, 5596.0, 5374.0, 5273.0, 5327.0, 5317.0, 5607.0, 5335.0, 5471.0, 5369.0, 5309.0, 5576.0, 5496.0, 5698.0, 5515.0, 5411.0, 5528.0, 5560.0, 5683.0, 5433.0, 5475.0, 5354.0, 5319.0, 5582.0, 5486.0, 5495.0, 5500.0, 5428.0, 5583.0, 5343.0, 5380.0, 5503.0, 5437.0, 5538.0, 5654.0, 5516.0, 5275.0, 5491.0, 5292.0, 5715.0, 5311.0, 5448.0, 5424.0, 5388.0, 5464.0, 5676.0, 5295.0, 5256.0, 5551.0, 5422.0, 5664.0, 5257.0, 5416.0, 5490.0, 5482.0, 5611.0, 5510.0 (number of hits: 4)
2	5260	9	1	333	1	5259.0, 5263.0, 5526.0, 5691.0, 5486.0, 5685.0, 5260.0, 5472.0, 5535.0, 5494.0, 5446.0, 5558.0, 5298.0, 5557.0, 5414.0, 5539.0, 5616.0, 5466.0, 5537.0, 5404.0, 5336.0, 5636.0, 5405.0, 5353.0, 5403.0, 5301.0, 5651.0, 5481.0, 5323.0, 5329.0, 5538.0, 5363.0, 5261.0, 5347.0, 5386.0, 5457.0, 5544.0, 5579.0, 5454.0, 5662.0, 5444.0, 5657.0, 5458.0, 5688.0, 5335.0, 5267.0, 5252.0, 5382.0, 5306.0, 5684.0, 5623.0, 5425.0, 5464.0, 5406.0, 5417.0, 5415.0, 5286.0, 5257.0, 5567.0, 5501.0, 5610.0, 5572.0, 5611.0, 5256.0, 5672.0, 5639.0, 5424.0, 5266.0, 5452.0, 5506.0, 5717.0, 5629.0, 5595.0, 5583.0, 5524.0, 5439.0, 5593.0, 5352.0, 5277.0, 5565.0, 5649.0, 5356.0, 5601.0, 5431.0, 5509.0, 5312.0, 5561.0, 5495.0, 5545.0, 5607.0, 5637.0, 5502.0, 5681.0, 5573.0, 5679.0, 5570.0, 5658.0, 5510.0, 5670.0, 5274.0 (number of hits: 9)
3	5260	9	1	333	1	5713.0, 5624.0, 5585.0, 5325.0, 5508.0, 5496.0, 5274.0, 5520.0, 5398.0, 5373.0, 5433.0, 5602.0, 5430.0, 5280.0, 5390.0, 5577.0, 5540.0, 5697.0, 5341.0, 5449.0, 5251.0, 5506.0, 5618.0, 5360.0, 5589.0, 5537.0, 5262.0, 5700.0, 5340.0, 5609.0, 5710.0, 5394.0, 5337.0, 5313.0, 5516.0, 5457.0, 5409.0, 5289.0, 5550.0, 5717.0, 5286.0, 5587.0, 5472.0, 5277.0, 5633.0, 5578.0, 5448.0, 5511.0, 5553.0, 5290.0, 5651.0, 5355.0, 5295.0, 5283.0, 5436.0, 5419.0, 5312.0, 5429.0, 5315.0, 5707.0,

						5593.0, 5255.0, 5531.0, 5447.0, 5327.0, 5701.0, 5549.0, 5622.0, 5574.0, 5372.0, 5691.0, 5555.0, 5715.0, 5410.0, 5349.0, 5393.0, 5296.0, 5439.0, 5493.0, 5638.0, 5297.0, 5281.0, 5272.0, 5259.0, 5647.0, 5535.0, 5425.0, 5326.0, 5416.0, 5538.0, 5287.0, 5601.0, 5435.0, 5379.0, 5324.0, 5470.0, 5615.0, 5689.0, 5462.0, 5612.0 (number of hits: 4)
4	5260	9	1	333	1	5664.0, 5476.0, 5546.0, 5715.0, 5344.0, 5560.0, 5340.0, 5619.0, 5499.0, 5399.0, 5592.0, 5328.0, 5505.0, 5457.0, 5472.0, 5488.0, 5559.0, 5710.0, 5709.0, 5474.0, 5469.0, 5372.0, 5502.0, 5588.0, 5640.0, 5435.0, 5636.0, 5359.0, 5430.0, 5290.0, 5320.0, 5607.0, 5302.0, 5652.0, 5424.0, 5313.0, 5418.0, 5256.0, 5509.0, 5720.0, 5402.0, 5447.0, 5596.0, 5422.0, 5699.0, 5382.0, 5638.0, 5429.0, 5518.0, 5702.0, 5544.0, 5717.0, 5325.0, 5612.0, 5252.0, 5268.0, 5440.0, 5627.0, 5265.0, 5466.0, 5584.0, 5462.0, 5296.0, 5367.0, 5553.0, 5317.0, 5266.0, 5541.0, 5573.0, 5643.0, 5672.0, 5481.0, 5591.0, 5572.0, 5561.0, 5470.0, 5678.0, 5437.0, 5497.0, 5528.0, 5360.0, 5333.0, 5578.0, 5724.0, 5711.0, 5679.0, 5552.0, 5282.0, 5617.0, 5419.0, 5428.0, 5512.0, 5444.0, 5620.0, 5608.0, 5525.0, 5388.0, 5550.0, 5657.0, 5346.0 (number of hits: 5)
5	5260	9	1	333	1	5628.0, 5289.0, 5391.0, 5364.0, 5607.0, 5456.0, 5541.0, 5630.0, 5473.0, 5453.0, 5488.0, 5281.0, 5659.0, 5575.0, 5539.0, 5459.0, 5256.0, 5276.0, 5545.0, 5651.0, 5481.0, 5378.0, 5503.0, 5586.0, 5716.0, 5502.0, 5317.0, 5671.0, 5332.0, 5408.0, 5284.0, 5641.0, 5601.0, 5509.0, 5711.0, 5645.0, 5598.0, 5460.0, 5381.0, 5461.0, 5685.0, 5684.0, 5580.0, 5538.0, 5655.0, 5511.0, 5579.0, 5565.0, 5707.0, 5414.0, 5302.0, 5464.0, 5331.0, 5540.0, 5688.0, 5433.0, 5443.0, 5315.0, 5424.0, 5475.0, 5394.0, 5480.0, 5587.0, 5417.0, 5564.0, 5673.0, 5288.0, 5295.0, 5534.0, 5416.0, 5389.0, 5683.0, 5405.0, 5367.0, 5578.0, 5640.0, 5623.0, 5523.0, 5403.0, 5497.0, 5329.0, 5570.0, 5254.0, 5471.0, 5427.0, 5374.0, 5675.0, 5306.0, 5342.0, 5259.0, 5368.0, 5687.0, 5421.0, 5532.0, 5440.0, 5273.0, 5490.0, 5304.0, 5610.0, 5560.0 (number of hits: 3)
6	5260	9	1	333	1	5676.0, 5502.0, 5625.0, 5451.0, 5682.0, 5540.0, 5517.0, 5681.0, 5430.0, 5272.0, 5284.0, 5588.0, 5259.0, 5609.0, 5645.0, 5388.0, 5411.0, 5255.0, 5403.0, 5492.0, 5457.0, 5489.0, 5508.0, 5297.0, 5429.0, 5431.0, 5261.0, 5450.0, 5271.0, 5473.0, 5703.0, 5372.0, 5335.0, 5370.0, 5400.0, 5342.0, 5612.0, 5644.0, 5402.0, 5719.0, 5456.0, 5462.0, 5381.0, 5633.0, 5460.0,

						5425.0, 5653.0, 5296.0, 5482.0, 5599.0, 5563.0, 5454.0, 5286.0, 5715.0, 5514.0, 5485.0, 5656.0, 5356.0, 5695.0, 5494.0, 5406.0, 5374.0, 5413.0, 5541.0, 5373.0, 5318.0, 5673.0, 5560.0, 5319.0, 5592.0, 5427.0, 5557.0, 5510.0, 5666.0, 5568.0, 5528.0, 5299.0, 5453.0, 5434.0, 5534.0, 5324.0, 5279.0, 5505.0, 5691.0, 5693.0, 5569.0, 5587.0, 5464.0, 5327.0, 5641.0, 5701.0, 5260.0, 5303.0, 5601.0, 5678.0, 5435.0, 5546.0, 5458.0, 5705.0, 5503.0 (number of hits: 4)
7	5260	9	1	333	1	5551.0, 5525.0, 5719.0, 5454.0, 5695.0, 5721.0, 5411.0, 5541.0, 5399.0, 5469.0, 5374.0, 5404.0, 5302.0, 5279.0, 5314.0, 5453.0, 5699.0, 5443.0, 5634.0, 5581.0, 5571.0, 5627.0, 5301.0, 5570.0, 5333.0, 5367.0, 5464.0, 5475.0, 5616.0, 5588.0, 5324.0, 5268.0, 5445.0, 5458.0, 5446.0, 5623.0, 5255.0, 5659.0, 5664.0, 5583.0, 5424.0, 5591.0, 5603.0, 5644.0, 5486.0, 5270.0, 5311.0, 5435.0, 5432.0, 5600.0, 5386.0, 5269.0, 5676.0, 5504.0, 5548.0, 5663.0, 5407.0, 5692.0, 5392.0, 5383.0, 5701.0, 5554.0, 5306.0, 5373.0, 5610.0, 5394.0, 5513.0, 5416.0, 5476.0, 5489.0, 5640.0, 5330.0, 5343.0, 5520.0, 5304.0, 5423.0, 5305.0, 5686.0, 5499.0, 5317.0, 5292.0, 5488.0, 5285.0, 5277.0, 5303.0, 5572.0, 5684.0, 5326.0, 5585.0, 5536.0, 5294.0, 5339.0, 5444.0, 5278.0, 5657.0, 5481.0, 5331.0, 5545.0, 5310.0, 5543.0 (number of hits: 3)
8	5260	9	1	333	1	5400.0, 5456.0, 5477.0, 5600.0, 5251.0, 5315.0, 5721.0, 5640.0, 5387.0, 5672.0, 5599.0, 5300.0, 5506.0, 5266.0, 5649.0, 5383.0, 5409.0, 5293.0, 5683.0, 5630.0, 5647.0, 5423.0, 5329.0, 5538.0, 5483.0, 5442.0, 5428.0, 5493.0, 5583.0, 5546.0, 5252.0, 5369.0, 5276.0, 5408.0, 5374.0, 5570.0, 5445.0, 5470.0, 5520.0, 5699.0, 5337.0, 5424.0, 5314.0, 5318.0, 5431.0, 5499.0, 5545.0, 5670.0, 5404.0, 5715.0, 5274.0, 5690.0, 5421.0, 5706.0, 5717.0, 5415.0, 5566.0, 5532.0, 5474.0, 5342.0, 5265.0, 5281.0, 5478.0, 5481.0, 5435.0, 5641.0, 5582.0, 5644.0, 5397.0, 5604.0, 5626.0, 5361.0, 5702.0, 5535.0, 5714.0, 5357.0, 5542.0, 5476.0, 5469.0, 5512.0, 5257.0, 5306.0, 5648.0, 5519.0, 5434.0, 5580.0, 5572.0, 5539.0, 5450.0, 5522.0, 5679.0, 5591.0, 5348.0, 5698.0, 5402.0, 5711.0, 5534.0, 5378.0, 5375.0, 5723.0 (number of hits: 5)
9	5260	9	1	333	1	5593.0, 5488.0, 5281.0, 5367.0, 5678.0, 5557.0, 5523.0, 5650.0, 5438.0, 5550.0, 5349.0, 5689.0, 5385.0, 5453.0, 5441.0, 5278.0, 5684.0, 5277.0, 5424.0, 5475.0, 5642.0, 5413.0, 5555.0, 5407.0, 5541.0, 5663.0, 5630.0, 5640.0, 5312.0, 5376.0,

						5649.0, 5501.0, 5610.0, 5463.0, 5632.0, 5639.0, 5530.0, 5545.0, 5631.0, 5435.0, 5419.0, 5298.0, 5416.0, 5414.0, 5682.0, 5368.0, 5430.0, 5257.0, 5672.0, 5646.0, 5422.0, 5291.0, 5420.0, 5400.0, 5302.0, 5627.0, 5256.0, 5587.0, 5582.0, 5351.0, 5304.0, 5318.0, 5676.0, 5551.0, 5614.0, 5560.0, 5524.0, 5333.0, 5323.0, 5516.0, 5348.0, 5539.0, 5714.0, 5526.0, 5342.0, 5504.0, 5465.0, 5569.0, 5254.0, 5687.0, 5384.0, 5566.0, 5604.0, 5379.0, 5458.0, 5317.0, 5500.0, 5558.0, 5688.0, 5395.0, 5396.0, 5624.0, 5381.0, 5491.0, 5621.0, 5563.0, 5613.0, 5660.0, 5297.0, 5340.0 (number of hits: 3)
10	5260	9	1	333	1	5574.0, 5379.0, 5393.0, 5258.0, 5534.0, 5540.0, 5458.0, 5561.0, 5571.0, 5435.0, 5355.0, 5692.0, 5307.0, 5340.0, 5341.0, 5490.0, 5706.0, 5627.0, 5343.0, 5635.0, 5570.0, 5386.0, 5321.0, 5567.0, 5296.0, 5446.0, 5596.0, 5252.0, 5251.0, 5294.0, 5439.0, 5638.0, 5539.0, 5572.0, 5696.0, 5612.0, 5619.0, 5326.0, 5548.0, 5424.0, 5437.0, 5445.0, 5683.0, 5304.0, 5350.0, 5459.0, 5568.0, 5348.0, 5645.0, 5593.0, 5401.0, 5367.0, 5527.0, 5349.0, 5373.0, 5292.0, 5299.0, 5431.0, 5259.0, 5504.0, 5705.0, 5691.0, 5608.0, 5642.0, 5651.0, 5325.0, 5494.0, 5301.0, 5722.0, 5487.0, 5288.0, 5714.0, 5300.0, 5514.0, 5475.0, 5555.0, 5356.0, 5428.0, 5529.0, 5682.0, 5594.0, 5489.0, 5339.0, 5701.0, 5438.0, 5303.0, 5681.0, 5558.0, 5591.0, 5473.0, 5415.0, 5369.0, 5669.0, 5430.0, 5644.0, 5535.0, 5637.0, 5282.0, 5346.0, 5469.0 (number of hits: 4)
11	5260	9	1	333	1	5413.0, 5522.0, 5308.0, 5438.0, 5371.0, 5668.0, 5553.0, 5328.0, 5406.0, 5606.0, 5415.0, 5269.0, 5623.0, 5384.0, 5340.0, 5529.0, 5514.0, 5593.0, 5437.0, 5462.0, 5366.0, 5305.0, 5613.0, 5718.0, 5275.0, 5707.0, 5372.0, 5532.0, 5495.0, 5281.0, 5698.0, 5691.0, 5704.0, 5714.0, 5630.0, 5554.0, 5286.0, 5265.0, 5632.0, 5658.0, 5350.0, 5617.0, 5671.0, 5703.0, 5699.0, 5512.0, 5723.0, 5692.0, 5379.0, 5458.0, 5416.0, 5622.0, 5678.0, 5346.0, 5474.0, 5393.0, 5397.0, 5496.0, 5709.0, 5378.0, 5690.0, 5581.0, 5621.0, 5369.0, 5309.0, 5373.0, 5383.0, 5325.0, 5683.0, 5280.0, 5327.0, 5255.0, 5486.0, 5592.0, 5403.0, 5258.0, 5454.0, 5285.0, 5685.0, 5616.0, 5307.0, 5358.0, 5624.0, 5450.0, 5414.0, 5661.0, 5259.0, 5559.0, 5345.0, 5483.0, 5302.0, 5711.0, 5426.0, 5321.0, 5310.0, 5564.0, 5411.0, 5476.0, 5572.0, 5588.0 (number of hits: 5)
12	5260	9	1	333	1	5604.0, 5290.0, 5557.0, 5409.0, 5535.0, 5663.0, 5380.0, 5272.0, 5436.0, 5666.0, 5676.0, 5279.0, 5284.0, 5596.0, 5299.0,

						5595.0, 5702.0, 5473.0, 5346.0, 5657.0, 5254.0, 5303.0, 5297.0, 5441.0, 5474.0, 5277.0, 5486.0, 5325.0, 5625.0, 5499.0, 5265.0, 5470.0, 5466.0, 5614.0, 5724.0, 5539.0, 5537.0, 5257.0, 5431.0, 5442.0, 5371.0, 5559.0, 5599.0, 5406.0, 5278.0, 5716.0, 5332.0, 5408.0, 5390.0, 5401.0, 5621.0, 5476.0, 5686.0, 5675.0, 5574.0, 5553.0, 5632.0, 5388.0, 5612.0, 5267.0, 5273.0, 5318.0, 5281.0, 5534.0, 5336.0, 5426.0, 5374.0, 5252.0, 5343.0, 5447.0, 5598.0, 5600.0, 5502.0, 5513.0, 5549.0, 5268.0, 5271.0, 5472.0, 5509.0, 5719.0, 5375.0, 5550.0, 5353.0, 5263.0, 5589.0, 5475.0, 5418.0, 5507.0, 5512.0, 5301.0, 5266.0, 5461.0, 5296.0, 5367.0, 5416.0, 5479.0, 5329.0, 5405.0, 5569.0, 5538.0 (number of hits: 8)
13	5260	9	1	333	1	5679.0, 5318.0, 5430.0, 5544.0, 5428.0, 5629.0, 5585.0, 5715.0, 5363.0, 5695.0, 5693.0, 5457.0, 5290.0, 5458.0, 5325.0, 5579.0, 5659.0, 5610.0, 5379.0, 5347.0, 5385.0, 5617.0, 5282.0, 5405.0, 5631.0, 5279.0, 5660.0, 5427.0, 5286.0, 5531.0, 5346.0, 5656.0, 5412.0, 5569.0, 5492.0, 5547.0, 5374.0, 5272.0, 5370.0, 5576.0, 5586.0, 5606.0, 5395.0, 5361.0, 5313.0, 5524.0, 5621.0, 5288.0, 5491.0, 5566.0, 5594.0, 5391.0, 5343.0, 5409.0, 5264.0, 5669.0, 5694.0, 5321.0, 5365.0, 5308.0, 5433.0, 5252.0, 5295.0, 5517.0, 5618.0, 5277.0, 5639.0, 5331.0, 5462.0, 5316.0, 5281.0, 5406.0, 5431.0, 5416.0, 5539.0, 5685.0, 5718.0, 5697.0, 5562.0, 5338.0, 5673.0, 5401.0, 5332.0, 5713.0, 5307.0, 5398.0, 5588.0, 5265.0, 5306.0, 5688.0, 5411.0, 5654.0, 5324.0, 5503.0, 5263.0, 5341.0, 5620.0, 5280.0, 5699.0, 5613.0 (number of hits: 4)
14	5260	9	1	333	1	5581.0, 5407.0, 5446.0, 5624.0, 5308.0, 5680.0, 5384.0, 5589.0, 5708.0, 5406.0, 5670.0, 5509.0, 5587.0, 5510.0, 5536.0, 5533.0, 5555.0, 5373.0, 5657.0, 5419.0, 5685.0, 5677.0, 5722.0, 5374.0, 5257.0, 5322.0, 5491.0, 5365.0, 5458.0, 5576.0, 5528.0, 5350.0, 5379.0, 5305.0, 5285.0, 5347.0, 5578.0, 5591.0, 5665.0, 5252.0, 5369.0, 5575.0, 5545.0, 5650.0, 5720.0, 5515.0, 5609.0, 5560.0, 5667.0, 5495.0, 5352.0, 5354.0, 5698.0, 5616.0, 5391.0, 5269.0, 5672.0, 5507.0, 5529.0, 5604.0, 5711.0, 5286.0, 5420.0, 5715.0, 5663.0, 5484.0, 5346.0, 5573.0, 5341.0, 5263.0, 5393.0, 5300.0, 5250.0, 5372.0, 5662.0, 5534.0, 5646.0, 5437.0, 5395.0, 5290.0, 5628.0, 5479.0, 5386.0, 5414.0, 5695.0, 5355.0, 5385.0, 5302.0, 5594.0, 5579.0, 5666.0, 5343.0, 5375.0, 5474.0, 5356.0, 5362.0, 5601.0, 5360.0, 5592.0, 5254.0 (number of hits: 6)

15	5260	9	1	333	1	5543.0, 5426.0, 5439.0, 5329.0, 5377.0, 5567.0, 5590.0, 5646.0, 5595.0, 5302.0, 5269.0, 5343.0, 5408.0, 5344.0, 5266.0, 5672.0, 5624.0, 5602.0, 5486.0, 5617.0, 5681.0, 5260.0, 5368.0, 5394.0, 5362.0, 5321.0, 5310.0, 5258.0, 5557.0, 5275.0, 5575.0, 5421.0, 5390.0, 5626.0, 5547.0, 5252.0, 5673.0, 5598.0, 5580.0, 5334.0, 5529.0, 5311.0, 5630.0, 5283.0, 5256.0, 5365.0, 5333.0, 5649.0, 5524.0, 5531.0, 5609.0, 5286.0, 5459.0, 5330.0, 5487.0, 5356.0, 5505.0, 5262.0, 5551.0, 5546.0, 5405.0, 5317.0, 5703.0, 5366.0, 5322.0, 5538.0, 5304.0, 5446.0, 5383.0, 5588.0, 5669.0, 5374.0, 5615.0, 5419.0, 5535.0, 5683.0, 5332.0, 5285.0, 5707.0, 5716.0, 5723.0, 5448.0, 5604.0, 5328.0, 5398.0, 5255.0, 5506.0, 5303.0, 5402.0, 5429.0, 5432.0, 5632.0, 5267.0, 5513.0, 5628.0, 5682.0, 5316.0, 5271.0, 5606.0, 5475.0 (number of hits: 9)
16	5260	9	1	333	1	5568.0, 5565.0, 5364.0, 5515.0, 5297.0, 5646.0, 5468.0, 5483.0, 5337.0, 5333.0, 5294.0, 5354.0, 5501.0, 5259.0, 5588.0, 5523.0, 5441.0, 5314.0, 5467.0, 5649.0, 5701.0, 5586.0, 5598.0, 5414.0, 5714.0, 5533.0, 5275.0, 5300.0, 5602.0, 5557.0, 5713.0, 5378.0, 5677.0, 5290.0, 5499.0, 5633.0, 5663.0, 5619.0, 5283.0, 5555.0, 5528.0, 5377.0, 5281.0, 5652.0, 5548.0, 5399.0, 5666.0, 5622.0, 5434.0, 5601.0, 5339.0, 5686.0, 5552.0, 5632.0, 5432.0, 5673.0, 5648.0, 5367.0, 5360.0, 5618.0, 5351.0, 5661.0, 5277.0, 5420.0, 5443.0, 5413.0, 5698.0, 5628.0, 5520.0, 5711.0, 5450.0, 5452.0, 5389.0, 5266.0, 5650.0, 5384.0, 5704.0, 5316.0, 5424.0, 5280.0, 5697.0, 5475.0, 5635.0, 5398.0, 5503.0, 5481.0, 5682.0, 5370.0, 5569.0, 5286.0, 5722.0, 5284.0, 5402.0, 5591.0, 5306.0, 5597.0, 5504.0, 5479.0, 5416.0, 5616.0 (number of hits: 2)
17	5260	9	1	333	1	5548.0, 5456.0, 5322.0, 5521.0, 5508.0, 5340.0, 5431.0, 5488.0, 5316.0, 5418.0, 5274.0, 5674.0, 5414.0, 5331.0, 5627.0, 5394.0, 5381.0, 5440.0, 5336.0, 5598.0, 5527.0, 5582.0, 5318.0, 5632.0, 5518.0, 5439.0, 5445.0, 5635.0, 5562.0, 5528.0, 5696.0, 5513.0, 5343.0, 5714.0, 5450.0, 5660.0, 5348.0, 5497.0, 5665.0, 5263.0, 5437.0, 5346.0, 5462.0, 5447.0, 5703.0, 5444.0, 5474.0, 5441.0, 5448.0, 5275.0, 5658.0, 5629.0, 5578.0, 5490.0, 5499.0, 5436.0, 5390.0, 5321.0, 5357.0, 5386.0, 5693.0, 5344.0, 5295.0, 5681.0, 5372.0, 5649.0, 5435.0, 5553.0, 5325.0, 5559.0, 5294.0, 5366.0, 5577.0, 5615.0, 5309.0, 5700.0, 5285.0, 5291.0, 5546.0, 5487.0, 5690.0, 5720.0, 5566.0, 5639.0, 5617.0, 5459.0, 5551.0, 5644.0, 5278.0, 5415.0,

						5292.0, 5375.0, 5625.0, 5491.0, 5570.0, 5388.0, 5650.0, 5417.0, 5526.0, 5563.0 (number of hits: 1)
18	5260	9	1	333	1	5629.0, 5639.0, 5594.0, 5319.0, 5496.0, 5436.0, 5402.0, 5305.0, 5637.0, 5280.0, 5701.0, 5582.0, 5421.0, 5720.0, 5371.0, 5688.0, 5532.0, 5702.0, 5424.0, 5562.0, 5448.0, 5712.0, 5401.0, 5282.0, 5429.0, 5520.0, 5350.0, 5537.0, 5642.0, 5523.0, 5313.0, 5400.0, 5693.0, 5677.0, 5493.0, 5469.0, 5521.0, 5482.0, 5329.0, 5480.0, 5699.0, 5253.0, 5687.0, 5547.0, 5348.0, 5600.0, 5471.0, 5462.0, 5551.0, 5468.0, 5332.0, 5333.0, 5620.0, 5501.0, 5676.0, 5419.0, 5586.0, 5492.0, 5606.0, 5310.0, 5330.0, 5709.0, 5668.0, 5652.0, 5413.0, 5437.0, 5698.0, 5488.0, 5567.0, 5459.0, 5428.0, 5384.0, 5526.0, 5559.0, 5460.0, 5670.0, 5259.0, 5665.0, 5307.0, 5722.0, 5346.0, 5707.0, 5396.0, 5279.0, 5530.0, 5281.0, 5304.0, 5343.0, 5716.0, 5345.0, 5356.0, 5340.0, 5312.0, 5354.0, 5650.0, 5705.0, 5383.0, 5663.0, 5542.0, 5274.0 (number of hits: 2)
19	5260	9	1	333	1	5696.0, 5291.0, 5576.0, 5439.0, 5300.0, 5471.0, 5608.0, 5366.0, 5271.0, 5333.0, 5505.0, 5466.0, 5296.0, 5704.0, 5584.0, 5392.0, 5629.0, 5601.0, 5257.0, 5658.0, 5388.0, 5484.0, 5476.0, 5455.0, 5397.0, 5587.0, 5564.0, 5581.0, 5534.0, 5588.0, 5299.0, 5438.0, 5493.0, 5348.0, 5429.0, 5617.0, 5379.0, 5329.0, 5645.0, 5378.0, 5516.0, 5586.0, 5419.0, 5400.0, 5567.0, 5282.0, 5256.0, 5376.0, 5386.0, 5468.0, 5536.0, 5668.0, 5624.0, 5319.0, 5382.0, 5307.0, 5284.0, 5508.0, 5368.0, 5716.0, 5453.0, 5623.0, 5649.0, 5670.0, 5313.0, 5318.0, 5334.0, 5489.0, 5456.0, 5659.0, 5292.0, 5309.0, 5337.0, 5627.0, 5254.0, 5609.0, 5515.0, 5686.0, 5657.0, 5602.0, 5671.0, 5314.0, 5365.0, 5281.0, 5391.0, 5427.0, 5506.0, 5699.0, 5678.0, 5688.0, 5589.0, 5324.0, 5656.0, 5603.0, 5562.0, 5280.0, 5613.0, 5501.0, 5640.0, 5331.0 (number of hits: 3)
20	5260	9	1	333	1	5482.0, 5683.0, 5388.0, 5644.0, 5586.0, 5491.0, 5254.0, 5705.0, 5326.0, 5537.0, 5496.0, 5416.0, 5300.0, 5289.0, 5576.0, 5331.0, 5615.0, 5655.0, 5561.0, 5334.0, 5394.0, 5315.0, 5523.0, 5677.0, 5597.0, 5325.0, 5680.0, 5596.0, 5432.0, 5542.0, 5344.0, 5554.0, 5540.0, 5551.0, 5438.0, 5279.0, 5650.0, 5280.0, 5311.0, 5567.0, 5291.0, 5461.0, 5313.0, 5373.0, 5652.0, 5258.0, 5657.0, 5453.0, 5472.0, 5466.0, 5633.0, 5582.0, 5512.0, 5667.0, 5423.0, 5299.0, 5340.0, 5422.0, 5406.0, 5555.0, 5634.0, 5397.0, 5261.0, 5718.0, 5669.0, 5663.0, 5369.0, 5251.0, 5590.0, 5413.0, 5557.0, 5262.0, 5593.0, 5681.0, 5367.0,

						5400.0, 5626.0, 5342.0, 5532.0, 5518.0, 5332.0, 5312.0, 5699.0, 5366.0, 5268.0, 5713.0, 5506.0, 5370.0, 5702.0, 5372.0, 5454.0, 5707.0, 5488.0, 5361.0, 5309.0, 5536.0, 5337.0, 5636.0, 5703.0, 5252.0 (number of hits: 7)
21	5260	9	1	333	1	5488.0, 5516.0, 5653.0, 5720.0, 5467.0, 5327.0, 5363.0, 5637.0, 5678.0, 5322.0, 5361.0, 5544.0, 5378.0, 5260.0, 5425.0, 5657.0, 5549.0, 5424.0, 5353.0, 5695.0, 5689.0, 5706.0, 5310.0, 5484.0, 5319.0, 5455.0, 5449.0, 5437.0, 5339.0, 5713.0, 5561.0, 5665.0, 5592.0, 5631.0, 5682.0, 5719.0, 5596.0, 5413.0, 5629.0, 5707.0, 5518.0, 5360.0, 5366.0, 5320.0, 5553.0, 5271.0, 5333.0, 5336.0, 5454.0, 5314.0, 5545.0, 5696.0, 5663.0, 5397.0, 5579.0, 5489.0, 5611.0, 5354.0, 5671.0, 5390.0, 5256.0, 5644.0, 5711.0, 5274.0, 5591.0, 5399.0, 5646.0, 5344.0, 5396.0, 5264.0, 5462.0, 5258.0, 5673.0, 5473.0, 5364.0, 5456.0, 5641.0, 5616.0, 5355.0, 5485.0, 5618.0, 5547.0, 5565.0, 5297.0, 5512.0, 5325.0, 5409.0, 5590.0, 5487.0, 5529.0, 5536.0, 5676.0, 5402.0, 5444.0, 5453.0, 5404.0, 5568.0, 5406.0, 5323.0, 5569.0 (number of hits: 4)
22	5260	9	1	333	1	5376.0, 5495.0, 5570.0, 5422.0, 5722.0, 5540.0, 5549.0, 5661.0, 5415.0, 5449.0, 5535.0, 5521.0, 5645.0, 5283.0, 5569.0, 5529.0, 5660.0, 5343.0, 5693.0, 5604.0, 5500.0, 5709.0, 5581.0, 5662.0, 5644.0, 5618.0, 5588.0, 5250.0, 5445.0, 5252.0, 5534.0, 5453.0, 5350.0, 5337.0, 5605.0, 5657.0, 5650.0, 5300.0, 5346.0, 5579.0, 5639.0, 5410.0, 5713.0, 5527.0, 5363.0, 5318.0, 5461.0, 5559.0, 5332.0, 5290.0, 5518.0, 5305.0, 5555.0, 5554.0, 5266.0, 5513.0, 5620.0, 5515.0, 5334.0, 5402.0, 5306.0, 5277.0, 5479.0, 5381.0, 5423.0, 5347.0, 5360.0, 5399.0, 5589.0, 5541.0, 5586.0, 5326.0, 5403.0, 5388.0, 5617.0, 5689.0, 5537.0, 5642.0, 5384.0, 5379.0, 5286.0, 5456.0, 5633.0, 5278.0, 5298.0, 5640.0, 5382.0, 5688.0, 5391.0, 5556.0, 5294.0, 5666.0, 5400.0, 5674.0, 5401.0, 5514.0, 5560.0, 5683.0, 5482.0, 5297.0 (number of hits: 3)
23	5260	9	1	333	1	5613.0, 5686.0, 5690.0, 5355.0, 5508.0, 5709.0, 5525.0, 5604.0, 5538.0, 5723.0, 5680.0, 5593.0, 5296.0, 5377.0, 5667.0, 5536.0, 5361.0, 5618.0, 5302.0, 5501.0, 5466.0, 5379.0, 5554.0, 5644.0, 5530.0, 5507.0, 5264.0, 5502.0, 5268.0, 5400.0, 5606.0, 5320.0, 5568.0, 5692.0, 5575.0, 5705.0, 5404.0, 5511.0, 5393.0, 5357.0, 5547.0, 5715.0, 5468.0, 5304.0, 5558.0, 5426.0, 5345.0, 5451.0, 5602.0, 5489.0, 5665.0, 5396.0, 5675.0, 5673.0, 5562.0, 5335.0, 5413.0, 5643.0, 5526.0, 5318.0,

						5471.0, 5403.0, 5610.0, 5661.0, 5311.0, 5566.0, 5625.0, 5552.0, 5406.0, 5564.0, 5295.0, 5603.0, 5681.0, 5565.0, 5458.0, 5576.0, 5371.0, 5484.0, 5305.0, 5449.0, 5570.0, 5327.0, 5527.0, 5703.0, 5656.0, 5428.0, 5378.0, 5387.0, 5626.0, 5418.0, 5711.0, 5434.0, 5648.0, 5252.0, 5389.0, 5282.0, 5323.0, 5629.0, 5424.0, 5433.0 (number of hits: 3)
24	5260	9	1	333	1	5333.0, 5424.0, 5312.0, 5327.0, 5394.0, 5471.0, 5461.0, 5361.0, 5484.0, 5591.0, 5517.0, 5652.0, 5334.0, 5398.0, 5469.0, 5505.0, 5377.0, 5396.0, 5370.0, 5291.0, 5487.0, 5307.0, 5272.0, 5599.0, 5437.0, 5390.0, 5383.0, 5718.0, 5610.0, 5597.0, 5723.0, 5575.0, 5682.0, 5522.0, 5609.0, 5534.0, 5565.0, 5660.0, 5314.0, 5536.0, 5657.0, 5458.0, 5695.0, 5683.0, 5713.0, 5524.0, 5561.0, 5367.0, 5706.0, 5691.0, 5701.0, 5615.0, 5619.0, 5692.0, 5648.0, 5320.0, 5293.0, 5366.0, 5315.0, 5415.0, 5364.0, 5558.0, 5640.0, 5710.0, 5571.0, 5697.0, 5324.0, 5626.0, 5542.0, 5644.0, 5670.0, 5680.0, 5611.0, 5584.0, 5384.0, 5374.0, 5623.0, 5721.0, 5347.0, 5567.0, 5485.0, 5662.0, 5275.0, 5344.0, 5661.0, 5316.0, 5521.0, 5624.0, 5582.0, 5358.0, 5395.0, 5308.0, 5501.0, 5535.0, 5707.0, 5302.0, 5360.0, 5672.0, 5527.0, 5259.0 (number of hits: 1)
25	5260	9	1	333	1	5715.0, 5637.0, 5325.0, 5491.0, 5302.0, 5672.0, 5379.0, 5504.0, 5352.0, 5647.0, 5520.0, 5561.0, 5354.0, 5694.0, 5586.0, 5462.0, 5347.0, 5368.0, 5262.0, 5311.0, 5509.0, 5456.0, 5342.0, 5408.0, 5272.0, 5479.0, 5703.0, 5390.0, 5382.0, 5444.0, 5383.0, 5309.0, 5478.0, 5634.0, 5453.0, 5450.0, 5468.0, 5313.0, 5484.0, 5252.0, 5493.0, 5585.0, 5593.0, 5644.0, 5274.0, 5459.0, 5627.0, 5428.0, 5693.0, 5324.0, 5461.0, 5681.0, 5481.0, 5314.0, 5592.0, 5275.0, 5579.0, 5369.0, 5467.0, 5436.0, 5524.0, 5603.0, 5664.0, 5278.0, 5497.0, 5355.0, 5443.0, 5469.0, 5685.0, 5441.0, 5423.0, 5688.0, 5611.0, 5284.0, 5329.0, 5280.0, 5544.0, 5273.0, 5388.0, 5539.0, 5599.0, 5506.0, 5541.0, 5538.0, 5595.0, 5418.0, 5646.0, 5373.0, 5701.0, 5598.0, 5417.0, 5535.0, 5528.0, 5464.0, 5269.0, 5667.0, 5572.0, 5480.0, 5558.0, 5490.0 (number of hits: 3)
26	5260	9	1	333	1	5261.0, 5482.0, 5458.0, 5382.0, 5468.0, 5594.0, 5465.0, 5714.0, 5526.0, 5257.0, 5368.0, 5292.0, 5644.0, 5707.0, 5671.0, 5521.0, 5404.0, 5409.0, 5677.0, 5294.0, 5651.0, 5357.0, 5463.0, 5632.0, 5637.0, 5583.0, 5631.0, 5413.0, 5698.0, 5541.0, 5293.0, 5377.0, 5532.0, 5354.0, 5599.0, 5531.0, 5389.0, 5417.0, 5302.0, 5461.0, 5569.0, 5695.0, 5331.0, 5383.0, 5513.0,

						5255.0, 5336.0, 5396.0, 5457.0, 5575.0, 5567.0, 5643.0, 5662.0, 5355.0, 5431.0, 5362.0, 5344.0, 5313.0, 5573.0, 5610.0, 5501.0, 5514.0, 5543.0, 5299.0, 5284.0, 5434.0, 5713.0, 5375.0, 5328.0, 5661.0, 5659.0, 5456.0, 5648.0, 5721.0, 5269.0, 5435.0, 5316.0, 5322.0, 5697.0, 5530.0, 5493.0, 5607.0, 5415.0, 5345.0, 5673.0, 5529.0, 5489.0, 5432.0, 5327.0, 5405.0, 5655.0, 5511.0, 5664.0, 5716.0, 5412.0, 5496.0, 5372.0, 5546.0, 5333.0, 5334.0 (number of hits: 4)
27	5260	9	1	333	1	5488.0, 5437.0, 5398.0, 5428.0, 5506.0, 5683.0, 5290.0, 5263.0, 5679.0, 5719.0, 5545.0, 5645.0, 5324.0, 5574.0, 5340.0, 5440.0, 5452.0, 5547.0, 5628.0, 5559.0, 5396.0, 5575.0, 5517.0, 5649.0, 5442.0, 5364.0, 5412.0, 5374.0, 5323.0, 5272.0, 5365.0, 5682.0, 5531.0, 5377.0, 5420.0, 5296.0, 5589.0, 5400.0, 5631.0, 5644.0, 5267.0, 5512.0, 5456.0, 5311.0, 5254.0, 5385.0, 5560.0, 5312.0, 5307.0, 5602.0, 5326.0, 5455.0, 5261.0, 5712.0, 5381.0, 5251.0, 5476.0, 5534.0, 5319.0, 5558.0, 5453.0, 5665.0, 5578.0, 5588.0, 5518.0, 5472.0, 5438.0, 5293.0, 5585.0, 5454.0, 5367.0, 5718.0, 5320.0, 5706.0, 5583.0, 5407.0, 5544.0, 5317.0, 5260.0, 5595.0, 5402.0, 5670.0, 5521.0, 5291.0, 5642.0, 5680.0, 5627.0, 5650.0, 5616.0, 5510.0, 5271.0, 5536.0, 5549.0, 5611.0, 5634.0, 5408.0, 5342.0, 5395.0, 5253.0, 5343.0 (number of hits: 7)
28	5260	9	1	333	1	5447.0, 5523.0, 5659.0, 5487.0, 5329.0, 5316.0, 5341.0, 5721.0, 5357.0, 5311.0, 5379.0, 5472.0, 5570.0, 5358.0, 5530.0, 5514.0, 5282.0, 5404.0, 5303.0, 5608.0, 5413.0, 5576.0, 5481.0, 5394.0, 5438.0, 5619.0, 5269.0, 5272.0, 5420.0, 5314.0, 5334.0, 5650.0, 5275.0, 5572.0, 5395.0, 5385.0, 5508.0, 5622.0, 5310.0, 5327.0, 5501.0, 5390.0, 5388.0, 5704.0, 5434.0, 5646.0, 5641.0, 5460.0, 5512.0, 5553.0, 5479.0, 5364.0, 5525.0, 5402.0, 5350.0, 5477.0, 5257.0, 5366.0, 5667.0, 5296.0, 5639.0, 5565.0, 5405.0, 5271.0, 5590.0, 5614.0, 5593.0, 5630.0, 5445.0, 5692.0, 5679.0, 5432.0, 5485.0, 5582.0, 5387.0, 5372.0, 5647.0, 5463.0, 5540.0, 5492.0, 5522.0, 5297.0, 5526.0, 5701.0, 5648.0, 5328.0, 5262.0, 5621.0, 5474.0, 5568.0, 5407.0, 5601.0, 5459.0, 5710.0, 5261.0, 5259.0, 5399.0, 5300.0, 5377.0, 5616.0 (number of hits: 5)
29	5260	9	1	333	1	5350.0, 5512.0, 5448.0, 5679.0, 5540.0, 5292.0, 5361.0, 5686.0, 5608.0, 5365.0, 5410.0, 5416.0, 5428.0, 5314.0, 5684.0, 5287.0, 5414.0, 5639.0, 5420.0, 5549.0, 5434.0, 5285.0, 5475.0, 5534.0, 5346.0, 5329.0, 5531.0, 5583.0, 5513.0, 5286.0,

						5595.0, 5568.0, 5362.0, 5632.0, 5395.0, 5476.0, 5298.0, 5611.0, 5631.0, 5562.0, 5460.0, 5672.0, 5309.0, 5409.0, 5301.0, 5525.0, 5606.0, 5607.0, 5445.0, 5456.0, 5419.0, 5311.0, 5481.0, 5260.0, 5678.0, 5412.0, 5480.0, 5345.0, 5714.0, 5625.0, 5601.0, 5697.0, 5364.0, 5349.0, 5418.0, 5278.0, 5617.0, 5718.0, 5397.0, 5384.0, 5594.0, 5458.0, 5401.0, 5648.0, 5357.0, 5703.0, 5662.0, 5552.0, 5612.0, 5398.0, 5688.0, 5324.0, 5500.0, 5317.0, 5376.0, 5406.0, 5461.0, 5559.0, 5523.0, 5479.0, 5467.0, 5646.0, 5622.0, 5591.0, 5492.0, 5556.0, 5561.0, 5269.0, 5604.0, 5312.0 (number of hits: 2)
30	5260	9	1	333	1	5447.0, 5703.0, 5637.0, 5359.0, 5459.0, 5667.0, 5688.0, 5603.0, 5607.0, 5379.0, 5584.0, 5313.0, 5653.0, 5470.0, 5506.0, 5309.0, 5399.0, 5254.0, 5510.0, 5305.0, 5509.0, 5683.0, 5529.0, 5337.0, 5527.0, 5452.0, 5356.0, 5668.0, 5671.0, 5577.0, 5600.0, 5315.0, 5678.0, 5480.0, 5707.0, 5652.0, 5307.0, 5420.0, 5684.0, 5585.0, 5687.0, 5673.0, 5532.0, 5630.0, 5388.0, 5360.0, 5381.0, 5264.0, 5658.0, 5605.0, 5351.0, 5709.0, 5560.0, 5289.0, 5387.0, 5429.0, 5478.0, 5453.0, 5268.0, 5635.0, 5537.0, 5423.0, 5432.0, 5288.0, 5318.0, 5485.0, 5676.0, 5332.0, 5433.0, 5410.0, 5501.0, 5450.0, 5250.0, 5393.0, 5593.0, 5552.0, 5534.0, 5348.0, 5294.0, 5539.0, 5391.0, 5262.0, 5357.0, 5711.0, 5514.0, 5263.0, 5511.0, 5426.0, 5418.0, 5625.0, 5623.0, 5619.0, 5481.0, 5439.0, 5487.0, 5441.0, 5412.0, 5346.0, 5544.0, 5675.0 (number of hits: 6)

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:

5270MHz

Radar Type 1A Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5270	65	1	818	1
2	5270	61	1	878	1
3	5270	102	1	518	1
4	5270	81	1	658	1
5	5270	86	1	618	1
6	5270	92	1	578	1
7	5270	70	1	758	1
8	5270	95	1	558	1
9	5270	78	1	678	1
10	5270	76	1	698	1
11	5270	67	1	798	1
12	5270	99	1	538	1
13	5270	63	1	838	1
14	5270	57	1	938	1
15	5270	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	5270	98	1	539	1
2	5270	48	1	1115	1
3	5270	22	1	2440	1
4	5270	27	1	1974	1
5	5270	28	1	1926	1
6	5270	27	1	1979	1
7	5270	37	1	1448	1
8	5270	53	1	1013	1
9	5270	29	1	1820	1
10	5270	33	1	1606	1
11	5270	65	1	819	1
12	5270	30	1	1797	1
13	5270	23	1	2362	1
14	5270	20	1	2672	1
15	5270	85	1	626	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	5270	28	1.6	198	1
2	5270	29	3.8	203	1
3	5270	25	4.4	188	1
4	5270	29	4.6	190	1
5	5270	25	2.4	220	1
6	5270	27	4.9	206	1
7	5270	27	4.4	150	1
8	5270	23	2.5	206	1
9	5270	28	3.5	155	1
10	5270	27	4.4	214	1
11	5270	24	5	183	1
12	5270	24	4.8	180	1
13	5270	25	1.8	175	1
14	5270	27	3.4	194	1
15	5270	26	3.5	174	1
16	5270	25	2.7	158	1
17	5270	28	2.9	161	1
18	5270	29	3.9	192	1
19	5270	27	2	156	1
20	5270	27	3.1	160	1
21	5270	29	3.2	162	1
22	5270	23	1.8	189	1
23	5270	25	2.6	221	1
24	5270	23	1.6	206	1
25	5270	23	4.5	215	1
26	5270	26	1.2	183	1
27	5270	24	1	177	1
28	5270	28	1.2	210	1
29	5270	25	4.7	174	1
30	5270	28	2.1	226	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	5270	17	6.9	464	1
2	5270	16	6	299	1
3	5270	18	6.3	406	1
4	5270	17	8.2	408	1
5	5270	18	7.2	461	1
6	5270	17	9.7	309	1
7	5270	18	7.6	297	1
8	5270	17	7.8	477	1
9	5270	16	6.2	365	1
10	5270	17	9.3	239	1
11	5270	17	9.6	357	1
12	5270	16	6	476	1
13	5270	17	9.6	335	1
14	5270	16	9.6	285	1
15	5270	18	6.4	235	1
16	5270	18	8	282	1
17	5270	16	10	438	1
18	5270	16	6.1	231	1
19	5270	18	9.9	500	1
20	5270	18	8.5	363	1
21	5270	18	9.8	229	1
22	5270	17	8.8	410	1
23	5270	16	9	390	1
24	5270	18	9.4	306	1
25	5270	16	6.8	341	1
26	5270	16	7.8	416	1
27	5270	16	9.6	476	1
28	5270	18	8.6	441	1
29	5270	16	8.3	449	1
30	5270	16	8	253	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	5270	14	11.4	219	1
2	5270	16	16.8	326	1
3	5270	14	11.9	254	1
4	5270	14	11.5	345	1
5	5270	13	16.1	327	1
6	5270	12	11.6	203	1
7	5270	12	17.9	271	1
8	5270	15	18.6	436	1
9	5270	16	16.5	278	1
10	5270	14	19.9	416	1
11	5270	15	12.8	424	1
12	5270	14	19.7	433	1
13	5270	12	15.7	477	1
14	5270	14	16	373	1
15	5270	13	16.7	285	1
16	5270	13	17.6	341	1
17	5270	13	18.3	294	1
18	5270	14	12.9	214	1
19	5270	13	11.9	287	1
20	5270	16	11.6	232	1
21	5270	13	19.1	321	1
22	5270	14	17.2	469	1
23	5270	16	13.7	488	1
24	5270	14	17.3	301	1
25	5270	13	15.1	482	1
26	5270	14	17.8	297	1
27	5270	16	12.1	421	1
28	5270	12	17.3	455	1
29	5270	12	11.6	421	1
30	5270	12	18.1	484	1
Detection Percentage: 100 % (>60%)					

Radar Type 5 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5256 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	5	95.7			0.610589	1
1	2	10	53.2	1670		1.244263	
2	2	15	96.7	1044		1.839807	
3	3	14	65.5	1969	1644	2.019853	
4	2	13	67	1104		3.095367	
5	2	12	72.8	1211		3.684129	
6	1	20	60.3			4.459295	
7	2	19	91.4	1099		4.700699	
8	2	12	70.3	1703		5.361462	
9	3	16	52.8	1533	1973	6.203516	
10	2	17	67.5	1484		7.020873	
11	2	10	76.8	1590		7.955597	
12	2	8	52.7	1641		8.485984	
13	1	10	72.4			9.11313	
14	3	10	69.1	1350	1905	9.397605	
15	3	15	68.8	1458	1669	10.08255	
16	3	5	61.2	1819	1185	10.76188	
17	3	17	60.3	1097	1205	11.87939	

Statistics 2 (ChirpCenter Frequency: 5266 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	12	79.6			0.28162	1
1	2	12	52.3	1856		1.805329	
2	2	18	70.4	1993		1.977075	
3	3	8	82.1	1904	1346	2.903737	
4	1	10	85.8			4.463385	
5	2	17	68.9	1982		5.330044	
6	1	13	60.8			5.701716	
7	2	13	72.7	1755		6.867398	
8	2	19	94.6	1049		8.299904	
9	1	19	58.4			8.708477	
10	3	11	85.4	1366	1524	10.06667	
11	2	10	64.3	1133		10.69113	
12	2	6	54.4	1560		11.97734	

Statistics 3 (ChirpCenter Frequency: 5278 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	8	93	1248		0.247146	1
1	2	15	63.8	1523		0.935363	
2	3	19	81.3	1900	1680	1.815378	
3	3	14	70.3	1632	1002	3.265668	
4	2	9	83.3	1179		3.892926	
5	2	11	53.5	1795		4.890394	
6	2	9	56	1506		5.289505	
7	2	17	78.3	1316		6.677743	
8	3	15	67.9	1047	1595	7.390203	
9	2	15	97.8	1910		7.772458	
10	3	16	82.1	1374	1860	8.929467	
11	3	5	91.9	1092	1079	10.0612	
12	3	16	55.4	1593	1457	11.13205	
13	1	15	90.2			11.37471	

Statistics 4 (ChirpCenter Frequency: 5268 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	13	68.3	1009	1011	0.707343	1
1	2	6	66.6	1201		1.345084	
2	3	15	92.7	1479	1537	1.608728	
3	2	11	56.5	1667		2.261067	
4	3	17	73.2	1556	1392	3.547995	
5	2	9	79	1060		4.481612	
6	2	18	99.9	1318		4.992655	
7	2	17	52.9	1985		5.677267	
8	3	14	59.3	1817	1933	6.004226	
9	1	16	83.6			7.231904	
10	3	12	79.7	1325	1309	8.009565	
11	2	18	62.7	1202		8.619388	
12	3	14	91.6	1260	1348	9.092683	
13	2	9	67.7	1199		10.13493	
14	2	10	64.2	1727		11.03912	
15	2	6	97.4	1688		11.8244	

Statistics 5(ChirpCenter Frequency: 5258 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	9	82.8	1946		0.411335	1
1	2	17	80.9	1005		0.871022	
2	2	15	93	1148		1.546002	
3	2	12	84	1423		2.034635	
4	2	5	65.6	1763		2.679545	
5	1	12	52.1			3.312368	
6	2	10	92.4	1784		3.84373	
7	1	16	52.8			4.755341	
8	2	8	54.8	1348		5.112153	
9	2	11	99.4	1814		5.955323	
10	2	11	69.6	1186		6.498625	
11	2	13	84.3	1303		7.145895	
12	3	12	52.2	1313	1492	7.263597	
13	3	15	56.1	1173	1422	8.040922	
14	3	6	80.7	1875	1272	8.853627	
15	3	7	66.6	1073	1932	9.550978	
16	3	15	68	1833	1699	9.67467	
17	2	17	53.2	1112		10.46679	
18	1	18	78.1			11.101	
19	3	14	61.5	1571	1676	11.87596	

Statistics 6 (ChirpCenter Frequency: 5275 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	17	87.7			0.232794	1
1	2	13	79.5	1510		1.332239	
2	1	10	57.4			2.388914	
3	1	11	83.1			2.938181	
4	1	17	87.4			3.537425	
5	3	16	72.2	1139	1593	4.447048	
6	2	13	77.4	1812		5.587828	
7	3	13	95.5	1669	1506	5.964231	
8	1	10	67.9			7.080365	
9	2	14	63.6	1348		7.476396	
10	2	20	75.4	1728		8.603983	
11	2	7	77.8	1964		9.278367	
12	2	17	75.2	1808		9.968012	
13	3	10	98.3	1509	1549	10.67145	
14	2	7	90.3	1088		11.73847	

Statistics 7(ChirpCenter Frequency: 5263 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	12	98.4	1856	1552	0.318485	1
1	3	8	92.1	1810	1861	1.123444	
2	2	18	76.7	1153		1.629823	
3	3	14	92.7	1464	1821	2.461992	
4	2	13	82.5	1168		2.966343	
5	2	15	77.7	1655		3.405051	
6	1	6	79.7			4.606526	
7	1	18	87.2			5.159149	
8	2	19	59.7	1791		5.993511	
9	1	7	91.8			6.177212	
10	1	12	69.6			7.167056	
11	3	15	79.1	1903	1932	7.59944	
12	2	15	94.8	1559		8.156205	
13	3	13	65.5	1863	1668	8.873142	
14	2	12	66.5	1587		9.804887	
15	2	12	85	1952		10.5491	
16	3	12	96.4	1076	1997	10.73001	
17	2	8	82.1	1807		11.48554	

Statistics 8 (ChirpCenter Frequency: 5282 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	17	84.2	1534		0.105002	1
1	2	13	94.3	1229		0.818777	
2	2	19	82.3	1546		1.756834	
3	1	19	62.3			2.428388	
4	2	15	55.8	1815		2.685307	
5	2	19	84.4	1994		3.435302	
6	2	19	85.8	1168		4.106195	
7	1	15	88.3			4.746653	
8	2	14	89.6	1286		5.190066	
9	2	18	69.9	1644		5.975322	
10	2	8	91.8	1694		6.718443	
11	1	18	83.4			7.50135	
12	2	15	88.2	1666		7.590107	
13	2	6	93.6	1537		8.386427	
14	1	13	69.2			9.065286	
15	3	20	80.1	1743	1865	9.743162	
16	1	15	72.1			10.45405	
17	2	10	65.3	1747		10.91898	
18	2	9	89	1900		11.42732	

Statistics 9 (ChirpCenter Frequency: 5276 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	9	81.9	1565		0.135138	1
1	2	9	59.4	1923		0.859821	
2	2	16	98.1	1305		1.883912	
3	2	13	90.7	1899		2.4468	
4	2	7	73.6	1144		2.691695	
5	2	17	61.6	1798		3.943241	
6	2	18	66.6	1896		4.536804	
7	2	6	83.6	1711		4.970554	
8	3	15	80.5	1635	1647	5.648544	
9	1	17	83.1			6.547309	
10	2	17	80	1448		6.868873	
11	2	11	83.4	1847		7.716519	
12	2	15	76.9	1915		8.506109	
13	1	10	70.5			9.015414	
14	1	13	83.8			9.66152	
15	1	10	97.3			10.64968	
16	2	6	78	1457		10.70361	
17	1	11	69.8			11.8588	

Statistics 10 (ChirpCenter Frequency: 5268 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	11	67.1	1372		1.185026	0
1	3	5	53.3	1337	1931	1.832313	
2	1	13	98.4			3.738987	
3	2	13	75.7	1909		4.382977	
4	3	7	52.5	1554	1380	6.372207	
5	1	12	91.2			7.77892	
6	1	18	68.7			8.864561	
7	3	18	65.9	1413	1063	9.771726	
8	1	6	60.2			11.07997	

Statistics 11 (ChirpCenter Frequency: 5262 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	15	83.6	1207		0.045346	1
1	1	13	89.1			2.241121	
2	2	19	88.3	1082		2.901652	
3	3	14	52.6	1841	1004	4.220953	
4	2	19	53.8	1313		5.786536	
5	1	17	56.1			7.439608	
6	1	5	50.5			9.314148	
7	2	7	74.3	1462		10.52641	
8	3	8	63.9	1729	1405	11.51686	

Statistics 12 (ChirpCenter Frequency: 5281 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	9	64.9	1334	1736	0.649841	1
1	2	9	67.9	1767		0.966938	
2	2	7	75.6	1373		1.446074	
3	1	18	59.6			2.382882	
4	2	9	57.3	1165		3.214238	
5	2	7	72.4	1540		3.429616	
6	3	7	50.7	1738	1074	4.562182	
7	2	19	79.9	1148		4.87061	
8	1	15	50.9			5.677442	
9	1	14	92.1			6.548495	
10	3	17	96.5	1224	1456	7.009993	
11	2	19	93.1	1092		7.783905	
12	2	13	68.7	1100		8.543418	
13	3	14	93.9	1345	1074	9.315965	
14	3	19	52.9	1003	1191	9.421994	
15	1	7	74.4			10.14385	
16	2	8	68.3	1805		10.96378	
17	2	16	64.1	1209		11.49139	

Statistics 13 (ChirpCenter Frequency: 5263 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	11	62.8	1561		0.412915	1
1	2	6	99.9	1906		1.010633	
2	3	12	82.1	1179	1215	1.416633	
3	1	17	96.6			2.451222	
4	1	10	68.6			2.547308	
5	3	18	97.5	1941	1326	3.657755	
6	3	18	89.8	1848	1992	3.838527	
7	2	5	91.8	1052		4.655386	
8	1	19	88.1			5.077798	
9	1	13	69.5			5.901507	
10	1	11	67.2			6.569759	
11	3	20	92.1	1254	1342	7.364019	
12	3	11	86.6	1043	1001	7.950851	
13	1	9	51.9			8.414606	
14	2	14	95	1150		8.879143	
15	3	9	76	1138	1491	9.617776	
16	3	15	81.5	1471	1081	10.13597	
17	2	17	96.3	1602		11.01507	
18	3	7	83.8	1418	1840	11.75144	

Statistics 14 (ChirpCenter Frequency: 5282 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	12	80.3	1958		0.717033	1
1	1	16	99.3			0.921243	
2	3	13	99.6	1672	1629	2.00073	
3	2	14	98.7	1116		3.423282	
4	2	17	85.6	1926		3.700453	
5	2	10	80.4	1829		4.453507	
6	2	16	98	1686		5.430982	
7	1	5	64			6.345652	
8	2	15	89.4	1483		7.466791	
9	1	12	62.6			8.337412	
10	2	15	69.5	1287		8.587816	
11	1	12	87.2			9.622658	
12	1	6	76.2			10.90654	
13	2	12	73.4	1068		11.18834	

Statistics 15 (ChirpCenter Frequency: 5266 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	8	80.9	1389		0.649617	1
1	1	13	89.9			1.089468	
2	1	15	53.5			2.873058	
3	3	13	90	1305	1829	3.036512	
4	1	12	93.3			4.841724	
5	2	13	83.4	1413		5.532315	
6	1	8	67.7			6.935066	
7	3	6	94.6	1412	1250	7.810771	
8	2	8	82.1	1416		8.108243	
9	2	14	88.3	1714		9.622692	
10	3	14	96.7	1201	1387	10.06827	
11	2	9	63.9	1893		11.01517	

Statistics 16 (ChirpCenter Frequency: 5256 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	6	81	1335		0.750962	1
1	1	15	67.7			1.245813	
2	3	10	85.5	1427	1746	2.302868	
3	2	9	53.7	1874		3.438659	
4	1	10	62			3.750381	
5	2	10	53	1418		4.849288	
6	2	9	63.7	1069		5.827118	
7	2	14	66.1	1454		7.321424	
8	2	6	83.5	1221		8.029183	
9	2	8	51.4	1770		8.761716	
10	1	18	60.8			9.728661	
11	2	16	97.1	1245		10.43566	
12	1	12	98.1			11.85742	

Statistics 17 (ChirpCenter Frequency: 5265 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	15	58.1			0.338937	1
1	1	16	69			1.422976	
2	2	10	57.2	1238		2.484437	
3	3	11	89.9	1025	1484	3.336699	
4	2	20	74.9	1653		3.874337	
5	2	8	93.2	1887		4.985966	
6	3	18	55	1976	1931	5.520186	
7	1	17	61.1			6.060812	
8	2	17	80.1	1886		7.648927	
9	3	18	68.9	1030	1581	8.458313	
10	2	7	67.2	1851		9.418549	
11	2	5	78.7	1170		9.737599	
12	3	18	94.7	1050	1862	10.37831	
13	2	9	58.2	1967		11.63304	

Statistics 18 (ChirpCenter Frequency: 5264 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	14	87.9			0.685386	1
1	1	7	97			2.015172	
2	3	15	70.9	1572	1145	3.437031	
3	3	8	94.1	1786	1413	4.878152	
4	3	14	83.1	1473	1231	6.364354	
5	3	15	98.4	1282	1244	7.379917	
6	1	5	61.2			9.314581	
7	1	7	57.8			9.872869	
8	1	11	71.1			10.67207	

Statistics 19 (ChirpCenter Frequency: 5259 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	14	73.8	1502	1788	0.295968	1
1	1	7	99.7			1.434014	
2	2	6	58.3	1918		2.329329	
3	2	15	77.2	1028		2.66569	
4	2	10	62.8	1288		3.595717	
5	2	6	64.7	1994		4.347217	
6	1	11	70.8			4.922003	
7	1	19	69.9			6.085167	
8	1	16	88			7.16873	
9	1	13	89.9			7.647259	
10	1	11	67.6			8.306966	
11	3	8	99	1466	1892	9.522547	
12	3	16	79.2	1973	1669	10.31126	
13	2	20	59.4	1347		10.82619	
14	1	20	50.3			11.57603	

Statistics 20 (ChirpCenter Frequency: 5262 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	19	52.4	1824	1439	0.230511	1
1	3	16	58.5	1178	1887	1.144284	
2	3	9	77.8	1267	1302	1.547918	
3	2	8	51.8	1017		2.543429	
4	1	11	90.7			3.102421	
5	1	6	51.5			3.622297	
6	2	10	71	1500		4.119931	
7	2	6	86.1	1847		5.275487	
8	1	14	83.9			5.860797	
9	2	8	73.1	1440		6.338777	
10	2	17	57.9	1960		7.168449	
11	2	10	59.2	1703		7.608457	
12	2	16	53.8	1812		8.45337	
13	2	8	91	1927		9.304624	
14	2	11	58.9	1743		9.523161	
15	2	8	83.6	1603		10.12277	
16	2	19	86	1822		10.67422	
17	1	17	77.4			11.90604	

Statistics 21 (ChirpCenter Frequency: 5281 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	6	99	1057	1854	0.134645	0
1	3	18	76.4	1916	1130	0.853313	
2	1	12	76.8			1.337306	
3	2	10	53.9	1729		2.041133	
4	1	9	77.6			2.702802	
5	3	11	83.3	1537	1461	3.870111	
6	2	9	79.7	1509		4.018968	
7	1	8	61			4.844414	
8	1	13	85.5			5.967889	
9	2	11	68	1902		6.470867	
10	2	7	83.8	1937		7.078184	
11	1	16	96.2			7.940273	
12	1	14	50.8			8.494142	
13	1	12	81.7			8.883045	
14	2	5	50.4	1090		9.363746	
15	2	13	60.1	1691		10.54337	
16	3	14	64.2	1868	1057	10.84536	
17	3	20	64.4	1866	1820	11.43142	

Statistics 22 (ChirpCenter Frequency: 5257 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	11	65.6			0.690566	1
1	3	5	77.2	1212	1694	1.582979	
2	2	6	84.6	1412		4.297815	
3	3	11	92.9	1794	1363	5.625777	
4	3	7	63.6	1705	1347	6.99304	
5	2	7	85.6	1594		8.769742	
6	1	14	67.7			9.589526	
7	3	20	56	1758	1079	11.53864	

Statistics 23 (ChirpCenter Frequency: 5267 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	9	65.9	1621		0.32424	1
1	2	9	61.1	1956		0.677051	
2	3	9	80.3	1421	1450	1.856961	
3	2	17	72.6	1846		2.521838	
4	2	8	76.3	1340		2.706774	
5	2	16	58.3	1971		3.899588	
6	2	11	57.1	1328		4.156081	
7	3	15	79.9	1803	1470	4.823114	
8	1	7	95.9			5.36221	
9	2	15	79.9	1592		6.504949	
10	3	9	82.5	1741	1888	7.116672	
11	2	20	100	1959		7.91883	
12	2	12	61.9	1176		8.610023	
13	3	11	81.6	1725	1194	8.896027	
14	2	9	97.8	1287		9.914439	
15	2	7	66.7	1825		10.62815	
16	1	19	63.4			11.12696	
17	1	18	97.8			11.63346	

Statistics 24 (ChirpCenter Frequency: 5256 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	16	73	1283		0.224761	1
1	1	20	92.5			2.220579	
2	2	19	99.4	1489		2.555651	
3	2	7	69.2	1940		4.267284	
4	3	10	73.5	1064	1378	4.89637	
5	3	9	59.6	1307	1586	6.950098	
6	2	9	57.8	1070		7.448407	
7	2	16	78.6	1877		8.721163	
8	2	6	51	1221		10.27293	
9	1	6	90.5			11.51822	

Statistics 25 (ChirpCenter Frequency: 5257 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	20	54	1520		0.343559	1
1	2	16	56	1097		0.939906	
2	2	13	73.9	1505		1.433605	
3	3	15	52.1	1799	1314	2.646093	
4	3	12	64.4	1292	1178	2.905432	
5	1	12	92.3			3.721295	
6	3	13	89.4	1440	1845	4.630475	
7	1	9	91.4			5.278865	
8	2	5	58.2	1863		5.622121	
9	1	9	96.1			6.197092	
10	3	9	96.6	1867	1511	7.042387	
11	3	10	64.7	1828	1429	7.3591	
12	1	14	67.6			8.394384	
13	1	14	90			9.071605	
14	2	13	70.4	1854		9.501138	
15	1	9	77.1			10.13672	
16	2	11	84.5	1232		11.14194	
17	2	12	76	1583		11.49064	

Statistics 26 (ChirpCenter Frequency: 5259 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	18	61.3			0.353264	1
1	1	13	88.6			1.764157	
2	3	13	95.6	1450	1199	2.675108	
3	3	15	60	1783	1787	3.376801	
4	3	11	86.1	1223	1747	4.589557	
5	3	19	84.7	1199	1856	6.384137	
6	3	19	79.5	1223	1301	6.967073	
7	2	5	90.8	1468		7.728901	
8	1	11	81			9.769275	
9	1	12	90.7			10.27022	
10	3	14	94.4	1887	1443	11.05706	

Statistics 27 (ChirpCenter Frequency: 5263 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	19	98.4	1779		0.20001	1
1	2	14	92.9	1966		0.781665	
2	1	11	53.7			1.949541	
3	2	10	92.3	1094		2.311093	
4	2	11	56.1	1179		3.21313	
5	2	15	57.8	1308		4.255741	
6	3	16	50.6	1973	1146	4.989578	
7	2	19	70.7	1014		5.79752	
8	2	20	64.8	1081		6.404197	
9	2	17	88.4	1827		6.996879	
10	1	14	88.6			8.146402	
11	1	11	50.6			8.737746	
12	2	13	77.5	1005		9.006692	
13	1	8	67.4			9.935178	
14	1	15	50.9			11.21256	
15	1	6	85.6			11.39693	

Statistics 28 (ChirpCenter Frequency: 5276 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	11	62.7			0.056107	1
1	2	18	81	1908		1.630701	
2	3	11	56.3	1936	1628	2.189966	
3	3	18	81.7	1018	1701	3.327148	
4	2	10	58.3	1813		4.391595	
5	3	13	72.4	1397	1186	5.133939	
6	2	18	82.9	1265		5.753536	
7	1	8	68.9			7.221224	
8	1	10	62.4			8.030481	
9	2	6	86.7	1268		8.563319	
10	2	12	92	1323		9.911536	
11	2	10	93	1112		10.87188	
12	3	9	78.2	1074	1799	11.17813	

Statistics 29 (ChirpCenter Frequency: 5278 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	6	64.1	1252	1415	0.643891	1
1	3	13	93.3	1158	1073	1.323451	
2	2	18	99.6	1980		2.209177	
3	3	8	98.4	1477	1425	2.398248	
4	3	17	65.5	1152	1485	3.530557	
5	3	14	87.9	1437	1061	3.912663	
6	3	10	60.6	1118	1375	4.962726	
7	2	14	99	1921		5.278811	
8	2	7	57.2	1111		6.692538	
9	3	6	80.4	1238	1374	7.269633	
10	2	11	50.8	1538		8.15267	
11	1	8	76.3			8.466892	
12	2	16	92.4	1015		9.533101	
13	3	15	96.6	1702	1329	9.754344	
14	2	17	87.5	1029		11.00067	
15	2	18	95.1	1344		11.29571	

Statistics 30 (ChirpCenter Frequency: 5266 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	7	99.4			0.092342	1
1	2	14	72.1	1673		1.889793	
2	2	8	52.8	1066		3.577697	
3	2	10	94.5	1960		3.939211	
4	3	12	50.1	1082	1315	4.99683	
5	1	19	70.1			7.059078	
6	2	12	80.7	1310		8.358475	
7	1	18	95.3			8.765679	
8	2	13	74.3	1746		10.0308	
9	2	10	76.2	1668		11.24017	

Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5270	9	1	333	1	5384.0, 5641.0, 5269.0, 5387.0, 5405.0, 5512.0, 5653.0, 5383.0, 5499.0, 5709.0, 5655.0, 5615.0, 5527.0, 5609.0, 5402.0, 5278.0, 5698.0, 5452.0, 5636.0, 5441.0, 5669.0, 5439.0, 5430.0, 5364.0, 5354.0, 5583.0, 5526.0, 5716.0, 5380.0, 5409.0, 5334.0, 5693.0, 5428.0, 5256.0, 5293.0, 5679.0, 5419.0, 5561.0, 5484.0, 5424.0, 5656.0, 5518.0, 5695.0, 5503.0, 5346.0, 5352.0, 5649.0, 5274.0, 5637.0, 5635.0, 5621.0, 5317.0, 5420.0, 5286.0, 5712.0, 5344.0, 5619.0, 5413.0, 5416.0, 5288.0, 5639.0, 5386.0, 5578.0, 5355.0, 5454.0, 5343.0, 5340.0, 5549.0, 5468.0, 5312.0, 5540.0, 5371.0, 5473.0, 5532.0, 5682.0, 5412.0, 5543.0, 5270.0, 5308.0, 5537.0, 5624.0, 5337.0, 5705.0, 5335.0, 5585.0, 5608.0, 5450.0, 5422.0, 5369.0, 5477.0, 5596.0, 5265.0, 5290.0, 5272.0, 5507.0, 5410.0, 5322.0, 5446.0, 5519.0, 5500.0 (number of hits: 9)
2	5270	9	1	333	1	5610.0, 5497.0, 5657.0, 5645.0, 5445.0, 5327.0, 5688.0, 5702.0, 5573.0, 5708.0, 5584.0, 5570.0, 5452.0, 5614.0, 5437.0, 5260.0, 5526.0, 5612.0, 5368.0, 5700.0, 5467.0, 5545.0, 5263.0, 5500.0, 5281.0, 5459.0, 5605.0, 5319.0, 5489.0, 5362.0, 5513.0, 5354.0, 5564.0, 5356.0, 5383.0, 5277.0, 5320.0, 5719.0, 5711.0, 5637.0, 5622.0, 5258.0, 5560.0, 5389.0, 5433.0, 5313.0, 5349.0, 5312.0, 5616.0, 5290.0, 5508.0, 5425.0, 5559.0, 5477.0, 5647.0, 5424.0, 5714.0, 5596.0, 5563.0, 5579.0, 5495.0, 5453.0, 5552.0, 5444.0, 5386.0, 5283.0, 5665.0, 5348.0, 5533.0, 5697.0, 5393.0, 5517.0, 5401.0, 5607.0, 5527.0, 5541.0, 5355.0, 5480.0, 5307.0, 5593.0, 5505.0, 5374.0, 5591.0, 5289.0, 5613.0, 5574.0, 5376.0, 5592.0, 5334.0, 5575.0, 5392.0, 5323.0, 5565.0, 5695.0, 5454.0, 5498.0, 5681.0, 5705.0, 5301.0, 5683.0 (number of hits: 7)
3	5270	9	1	333	1	5265.0, 5428.0, 5571.0, 5456.0, 5558.0, 5614.0, 5394.0, 5473.0, 5441.0, 5509.0, 5293.0, 5540.0, 5562.0, 5640.0, 5531.0, 5448.0, 5593.0, 5665.0, 5613.0, 5706.0, 5601.0, 5493.0, 5594.0, 5422.0, 5639.0, 5603.0, 5399.0, 5622.0, 5505.0, 5502.0, 5420.0, 5488.0, 5406.0, 5339.0, 5374.0, 5395.0, 5434.0, 5296.0, 5581.0, 5698.0, 5670.0, 5716.0, 5423.0, 5630.0, 5314.0, 5609.0, 5634.0, 5403.0, 5459.0, 5681.0, 5528.0, 5289.0, 5672.0, 5522.0, 5419.0, 5647.0, 5294.0, 5281.0, 5668.0, 5356.0,

						5409.0, 5253.0, 5375.0, 5521.0, 5460.0, 5308.0, 5393.0, 5559.0, 5712.0, 5722.0, 5446.0, 5527.0, 5599.0, 5252.0, 5526.0, 5617.0, 5430.0, 5490.0, 5365.0, 5364.0, 5591.0, 5595.0, 5578.0, 5475.0, 5720.0, 5439.0, 5589.0, 5625.0, 5295.0, 5545.0, 5330.0, 5299.0, 5262.0, 5318.0, 5645.0, 5548.0, 5388.0, 5327.0, 5699.0, 5633.0 (number of hits: 6)
4	5270	9	1	333	1	5359.0, 5660.0, 5277.0, 5535.0, 5287.0, 5268.0, 5442.0, 5680.0, 5513.0, 5708.0, 5517.0, 5272.0, 5326.0, 5269.0, 5423.0, 5259.0, 5422.0, 5328.0, 5531.0, 5439.0, 5266.0, 5645.0, 5717.0, 5293.0, 5474.0, 5649.0, 5616.0, 5274.0, 5470.0, 5256.0, 5410.0, 5591.0, 5378.0, 5672.0, 5471.0, 5425.0, 5403.0, 5356.0, 5395.0, 5484.0, 5344.0, 5588.0, 5566.0, 5419.0, 5539.0, 5685.0, 5428.0, 5546.0, 5407.0, 5316.0, 5374.0, 5498.0, 5393.0, 5502.0, 5538.0, 5408.0, 5400.0, 5387.0, 5565.0, 5654.0, 5389.0, 5698.0, 5504.0, 5496.0, 5695.0, 5553.0, 5520.0, 5437.0, 5540.0, 5506.0, 5424.0, 5376.0, 5512.0, 5285.0, 5325.0, 5472.0, 5604.0, 5675.0, 5339.0, 5357.0, 5590.0, 5699.0, 5606.0, 5691.0, 5641.0, 5281.0, 5345.0, 5417.0, 5401.0, 5399.0, 5355.0, 5381.0, 5289.0, 5632.0, 5364.0, 5363.0, 5315.0, 5329.0, 5722.0, 5307.0 (number of hits: 12)
5	5270	9	1	333	1	5303.0, 5643.0, 5635.0, 5565.0, 5273.0, 5348.0, 5629.0, 5343.0, 5402.0, 5288.0, 5718.0, 5274.0, 5335.0, 5649.0, 5389.0, 5364.0, 5716.0, 5572.0, 5570.0, 5542.0, 5422.0, 5609.0, 5457.0, 5640.0, 5567.0, 5652.0, 5695.0, 5434.0, 5390.0, 5519.0, 5399.0, 5395.0, 5300.0, 5406.0, 5297.0, 5481.0, 5528.0, 5679.0, 5566.0, 5270.0, 5521.0, 5464.0, 5710.0, 5332.0, 5581.0, 5686.0, 5477.0, 5704.0, 5454.0, 5428.0, 5712.0, 5721.0, 5442.0, 5310.0, 5255.0, 5580.0, 5427.0, 5536.0, 5468.0, 5492.0, 5654.0, 5529.0, 5683.0, 5420.0, 5426.0, 5433.0, 5562.0, 5458.0, 5304.0, 5321.0, 5354.0, 5523.0, 5337.0, 5446.0, 5351.0, 5553.0, 5308.0, 5493.0, 5507.0, 5720.0, 5702.0, 5366.0, 5286.0, 5392.0, 5411.0, 5449.0, 5583.0, 5254.0, 5261.0, 5532.0, 5289.0, 5671.0, 5611.0, 5415.0, 5618.0, 5331.0, 5334.0, 5674.0, 5309.0, 5526.0 (number of hits: 9)
6	5270	9	1	333	1	5303.0, 5454.0, 5581.0, 5672.0, 5285.0, 5441.0, 5287.0, 5360.0, 5551.0, 5593.0, 5526.0, 5451.0, 5493.0, 5722.0, 5590.0, 5606.0, 5511.0, 5377.0, 5569.0, 5699.0, 5498.0, 5718.0, 5283.0, 5701.0, 5604.0, 5713.0, 5679.0, 5534.0, 5301.0, 5428.0, 5437.0, 5261.0, 5289.0, 5688.0, 5369.0, 5657.0, 5366.0, 5404.0, 5514.0, 5286.0, 5445.0, 5427.0, 5319.0, 5423.0, 5669.0,

						5304.0, 5412.0, 5586.0, 5276.0, 5610.0, 5358.0, 5284.0, 5544.0, 5442.0, 5665.0, 5650.0, 5545.0, 5418.0, 5363.0, 5528.0, 5570.0, 5510.0, 5339.0, 5548.0, 5556.0, 5260.0, 5389.0, 5480.0, 5723.0, 5364.0, 5257.0, 5401.0, 5399.0, 5398.0, 5415.0, 5661.0, 5282.0, 5721.0, 5370.0, 5530.0, 5453.0, 5698.0, 5580.0, 5649.0, 5611.0, 5400.0, 5333.0, 5277.0, 5394.0, 5346.0, 5492.0, 5332.0, 5660.0, 5268.0, 5648.0, 5353.0, 5524.0, 5598.0, 5519.0, 5344.0 (number of hits: 13)
7	5270	9	1	333	1	5436.0, 5375.0, 5467.0, 5405.0, 5346.0, 5635.0, 5600.0, 5450.0, 5311.0, 5672.0, 5719.0, 5350.0, 5569.0, 5269.0, 5636.0, 5422.0, 5428.0, 5453.0, 5590.0, 5459.0, 5402.0, 5489.0, 5351.0, 5550.0, 5512.0, 5268.0, 5372.0, 5536.0, 5531.0, 5716.0, 5616.0, 5345.0, 5591.0, 5337.0, 5508.0, 5505.0, 5676.0, 5373.0, 5328.0, 5574.0, 5563.0, 5294.0, 5524.0, 5561.0, 5427.0, 5332.0, 5631.0, 5669.0, 5371.0, 5329.0, 5377.0, 5610.0, 5381.0, 5491.0, 5659.0, 5680.0, 5652.0, 5568.0, 5418.0, 5370.0, 5551.0, 5671.0, 5357.0, 5310.0, 5677.0, 5274.0, 5622.0, 5709.0, 5335.0, 5654.0, 5682.0, 5573.0, 5648.0, 5545.0, 5520.0, 5376.0, 5658.0, 5502.0, 5447.0, 5529.0, 5602.0, 5549.0, 5445.0, 5261.0, 5469.0, 5365.0, 5460.0, 5485.0, 5706.0, 5435.0, 5257.0, 5593.0, 5494.0, 5470.0, 5542.0, 5684.0, 5718.0, 5285.0, 5416.0, 5303.0 (number of hits: 6)
8	5270	9	1	333	1	5389.0, 5710.0, 5719.0, 5399.0, 5682.0, 5698.0, 5387.0, 5460.0, 5686.0, 5622.0, 5410.0, 5502.0, 5355.0, 5556.0, 5479.0, 5458.0, 5559.0, 5511.0, 5603.0, 5588.0, 5474.0, 5340.0, 5722.0, 5298.0, 5483.0, 5359.0, 5308.0, 5267.0, 5262.0, 5657.0, 5549.0, 5271.0, 5661.0, 5666.0, 5574.0, 5635.0, 5462.0, 5428.0, 5665.0, 5454.0, 5619.0, 5315.0, 5368.0, 5279.0, 5481.0, 5471.0, 5621.0, 5579.0, 5395.0, 5536.0, 5601.0, 5447.0, 5562.0, 5446.0, 5636.0, 5328.0, 5567.0, 5320.0, 5370.0, 5254.0, 5392.0, 5371.0, 5401.0, 5637.0, 5330.0, 5380.0, 5578.0, 5610.0, 5679.0, 5309.0, 5631.0, 5366.0, 5252.0, 5516.0, 5326.0, 5533.0, 5705.0, 5397.0, 5327.0, 5346.0, 5534.0, 5459.0, 5694.0, 5678.0, 5415.0, 5560.0, 5467.0, 5586.0, 5448.0, 5429.0, 5300.0, 5687.0, 5456.0, 5552.0, 5322.0, 5655.0, 5319.0, 5421.0, 5618.0, 5584.0 (number of hits: 6)
9	5270	9	1	333	1	5603.0, 5460.0, 5506.0, 5465.0, 5385.0, 5644.0, 5532.0, 5553.0, 5265.0, 5419.0, 5399.0, 5442.0, 5713.0, 5448.0, 5604.0, 5279.0, 5345.0, 5324.0, 5450.0, 5502.0, 5275.0, 5417.0, 5494.0, 5342.0, 5317.0, 5456.0, 5667.0, 5390.0, 5576.0, 5368.0,

						5353.0, 5436.0, 5358.0, 5594.0, 5374.0, 5500.0, 5480.0, 5508.0, 5361.0, 5615.0, 5627.0, 5574.0, 5423.0, 5455.0, 5477.0, 5557.0, 5504.0, 5540.0, 5357.0, 5673.0, 5521.0, 5414.0, 5554.0, 5328.0, 5721.0, 5485.0, 5688.0, 5682.0, 5432.0, 5538.0, 5656.0, 5387.0, 5294.0, 5375.0, 5707.0, 5470.0, 5340.0, 5497.0, 5461.0, 5619.0, 5451.0, 5670.0, 5700.0, 5406.0, 5498.0, 5652.0, 5320.0, 5297.0, 5636.0, 5413.0, 5441.0, 5539.0, 5349.0, 5489.0, 5307.0, 5718.0, 5491.0, 5577.0, 5584.0, 5429.0, 5699.0, 5543.0, 5600.0, 5572.0, 5397.0, 5367.0, 5621.0, 5290.0, 5280.0, 5468.0 (number of hits: 4)
10	5270	9	1	333	1	5704.0, 5469.0, 5718.0, 5714.0, 5674.0, 5285.0, 5424.0, 5396.0, 5451.0, 5611.0, 5498.0, 5306.0, 5614.0, 5615.0, 5564.0, 5330.0, 5442.0, 5647.0, 5497.0, 5259.0, 5327.0, 5355.0, 5601.0, 5431.0, 5401.0, 5686.0, 5694.0, 5407.0, 5309.0, 5340.0, 5427.0, 5562.0, 5318.0, 5565.0, 5717.0, 5712.0, 5625.0, 5679.0, 5397.0, 5320.0, 5297.0, 5274.0, 5337.0, 5276.0, 5271.0, 5514.0, 5412.0, 5471.0, 5265.0, 5378.0, 5364.0, 5362.0, 5638.0, 5399.0, 5302.0, 5494.0, 5392.0, 5349.0, 5681.0, 5607.0, 5280.0, 5413.0, 5488.0, 5549.0, 5501.0, 5441.0, 5481.0, 5295.0, 5703.0, 5453.0, 5416.0, 5422.0, 5713.0, 5668.0, 5558.0, 5408.0, 5605.0, 5568.0, 5620.0, 5489.0, 5634.0, 5414.0, 5252.0, 5444.0, 5466.0, 5500.0, 5684.0, 5473.0, 5502.0, 5459.0, 5675.0, 5557.0, 5433.0, 5588.0, 5456.0, 5606.0, 5474.0, 5583.0, 5420.0, 5452.0 (number of hits: 8)
11	5270	9	1	333	1	5629.0, 5380.0, 5277.0, 5407.0, 5367.0, 5513.0, 5333.0, 5274.0, 5456.0, 5421.0, 5659.0, 5651.0, 5644.0, 5701.0, 5619.0, 5539.0, 5721.0, 5295.0, 5622.0, 5660.0, 5589.0, 5596.0, 5276.0, 5585.0, 5342.0, 5348.0, 5444.0, 5300.0, 5689.0, 5426.0, 5650.0, 5710.0, 5704.0, 5360.0, 5423.0, 5491.0, 5562.0, 5413.0, 5470.0, 5611.0, 5374.0, 5332.0, 5438.0, 5616.0, 5354.0, 5555.0, 5697.0, 5634.0, 5458.0, 5448.0, 5571.0, 5481.0, 5506.0, 5604.0, 5643.0, 5283.0, 5286.0, 5446.0, 5399.0, 5666.0, 5628.0, 5403.0, 5433.0, 5627.0, 5519.0, 5635.0, 5370.0, 5473.0, 5369.0, 5700.0, 5297.0, 5391.0, 5325.0, 5315.0, 5677.0, 5546.0, 5671.0, 5663.0, 5532.0, 5653.0, 5411.0, 5720.0, 5504.0, 5316.0, 5668.0, 5417.0, 5398.0, 5366.0, 5261.0, 5618.0, 5674.0, 5253.0, 5553.0, 5437.0, 5339.0, 5601.0, 5656.0, 5510.0, 5498.0, 5382.0 (number of hits: 7)
12	5270	9	1	333	1	5260.0, 5298.0, 5547.0, 5561.0, 5509.0, 5656.0, 5343.0, 5414.0, 5714.0, 5644.0, 5528.0, 5468.0, 5345.0, 5252.0, 5365.0,

						5347.0, 5507.0, 5721.0, 5498.0, 5387.0, 5570.0, 5392.0, 5346.0, 5456.0, 5413.0, 5262.0, 5609.0, 5377.0, 5689.0, 5386.0, 5577.0, 5632.0, 5649.0, 5684.0, 5433.0, 5658.0, 5567.0, 5572.0, 5296.0, 5562.0, 5693.0, 5594.0, 5462.0, 5472.0, 5613.0, 5294.0, 5492.0, 5542.0, 5650.0, 5669.0, 5513.0, 5409.0, 5280.0, 5556.0, 5412.0, 5659.0, 5614.0, 5469.0, 5678.0, 5615.0, 5416.0, 5284.0, 5529.0, 5713.0, 5467.0, 5374.0, 5384.0, 5628.0, 5686.0, 5645.0, 5575.0, 5276.0, 5554.0, 5266.0, 5624.0, 5381.0, 5363.0, 5598.0, 5326.0, 5466.0, 5521.0, 5458.0, 5490.0, 5549.0, 5332.0, 5618.0, 5372.0, 5622.0, 5452.0, 5330.0, 5677.0, 5366.0, 5610.0, 5473.0, 5481.0, 5410.0, 5499.0, 5660.0, 5697.0, 5439.0 (number of hits: 7)
13	5270	9	1	333	1	5327.0, 5594.0, 5480.0, 5373.0, 5321.0, 5556.0, 5398.0, 5254.0, 5446.0, 5405.0, 5437.0, 5684.0, 5292.0, 5542.0, 5256.0, 5255.0, 5322.0, 5375.0, 5469.0, 5670.0, 5645.0, 5457.0, 5478.0, 5301.0, 5331.0, 5695.0, 5623.0, 5648.0, 5422.0, 5599.0, 5520.0, 5553.0, 5342.0, 5705.0, 5362.0, 5685.0, 5396.0, 5444.0, 5493.0, 5473.0, 5605.0, 5443.0, 5390.0, 5452.0, 5348.0, 5526.0, 5364.0, 5678.0, 5386.0, 5279.0, 5581.0, 5716.0, 5505.0, 5365.0, 5610.0, 5455.0, 5407.0, 5508.0, 5641.0, 5336.0, 5432.0, 5590.0, 5287.0, 5269.0, 5691.0, 5487.0, 5431.0, 5479.0, 5666.0, 5434.0, 5305.0, 5673.0, 5494.0, 5441.0, 5529.0, 5333.0, 5523.0, 5507.0, 5628.0, 5389.0, 5338.0, 5317.0, 5557.0, 5318.0, 5501.0, 5521.0, 5653.0, 5710.0, 5262.0, 5296.0, 5409.0, 5676.0, 5649.0, 5660.0, 5697.0, 5311.0, 5633.0, 5402.0, 5414.0, 5388.0 (number of hits: 7)
14	5270	9	1	333	1	5710.0, 5602.0, 5428.0, 5298.0, 5266.0, 5666.0, 5431.0, 5616.0, 5339.0, 5573.0, 5517.0, 5581.0, 5469.0, 5524.0, 5340.0, 5591.0, 5559.0, 5516.0, 5443.0, 5257.0, 5638.0, 5485.0, 5453.0, 5457.0, 5527.0, 5554.0, 5627.0, 5423.0, 5318.0, 5560.0, 5346.0, 5705.0, 5620.0, 5326.0, 5391.0, 5595.0, 5548.0, 5675.0, 5603.0, 5277.0, 5280.0, 5273.0, 5292.0, 5577.0, 5452.0, 5399.0, 5526.0, 5365.0, 5325.0, 5397.0, 5270.0, 5501.0, 5512.0, 5321.0, 5461.0, 5456.0, 5384.0, 5293.0, 5584.0, 5281.0, 5546.0, 5504.0, 5263.0, 5689.0, 5558.0, 5482.0, 5413.0, 5448.0, 5625.0, 5575.0, 5531.0, 5331.0, 5567.0, 5430.0, 5693.0, 5509.0, 5481.0, 5585.0, 5435.0, 5681.0, 5703.0, 5695.0, 5383.0, 5525.0, 5363.0, 5328.0, 5276.0, 5619.0, 5667.0, 5366.0, 5506.0, 5632.0, 5564.0, 5303.0, 5438.0, 5648.0, 5268.0, 5359.0, 5653.0, 5420.0 (number of hits: 10)

15	5270	9	1	333	1	5682.0, 5435.0, 5586.0, 5667.0, 5661.0, 5567.0, 5413.0, 5564.0, 5404.0, 5630.0, 5664.0, 5562.0, 5293.0, 5461.0, 5437.0, 5407.0, 5306.0, 5335.0, 5288.0, 5508.0, 5396.0, 5542.0, 5638.0, 5475.0, 5410.0, 5707.0, 5287.0, 5314.0, 5611.0, 5515.0, 5387.0, 5326.0, 5694.0, 5514.0, 5383.0, 5299.0, 5550.0, 5585.0, 5554.0, 5331.0, 5363.0, 5440.0, 5425.0, 5482.0, 5591.0, 5642.0, 5692.0, 5509.0, 5491.0, 5307.0, 5456.0, 5317.0, 5559.0, 5629.0, 5300.0, 5548.0, 5443.0, 5647.0, 5296.0, 5633.0, 5365.0, 5372.0, 5277.0, 5397.0, 5677.0, 5273.0, 5532.0, 5483.0, 5464.0, 5359.0, 5693.0, 5583.0, 5617.0, 5389.0, 5506.0, 5513.0, 5634.0, 5418.0, 5549.0, 5620.0, 5495.0, 5578.0, 5384.0, 5304.0, 5360.0, 5388.0, 5575.0, 5521.0, 5599.0, 5656.0, 5697.0, 5297.0, 5552.0, 5442.0, 5275.0, 5282.0, 5623.0, 5618.0, 5561.0, 5709.0 (number of hits: 6)
16	5270	9	1	333	1	5511.0, 5699.0, 5599.0, 5278.0, 5361.0, 5515.0, 5661.0, 5723.0, 5541.0, 5391.0, 5663.0, 5252.0, 5558.0, 5533.0, 5591.0, 5343.0, 5332.0, 5327.0, 5363.0, 5253.0, 5349.0, 5469.0, 5520.0, 5717.0, 5518.0, 5306.0, 5420.0, 5528.0, 5569.0, 5581.0, 5496.0, 5509.0, 5521.0, 5577.0, 5358.0, 5631.0, 5319.0, 5719.0, 5596.0, 5575.0, 5677.0, 5356.0, 5482.0, 5454.0, 5680.0, 5257.0, 5478.0, 5645.0, 5556.0, 5434.0, 5324.0, 5672.0, 5548.0, 5414.0, 5498.0, 5697.0, 5364.0, 5635.0, 5696.0, 5304.0, 5560.0, 5687.0, 5567.0, 5268.0, 5694.0, 5280.0, 5335.0, 5279.0, 5500.0, 5377.0, 5405.0, 5285.0, 5403.0, 5523.0, 5572.0, 5353.0, 5341.0, 5625.0, 5258.0, 5601.0, 5652.0, 5311.0, 5529.0, 5409.0, 5571.0, 5250.0, 5535.0, 5573.0, 5479.0, 5322.0, 5539.0, 5261.0, 5330.0, 5470.0, 5671.0, 5552.0, 5546.0, 5411.0, 5626.0, 5512.0 (number of hits: 11)
17	5270	9	1	333	1	5306.0, 5640.0, 5513.0, 5320.0, 5518.0, 5490.0, 5399.0, 5415.0, 5349.0, 5308.0, 5374.0, 5549.0, 5521.0, 5334.0, 5369.0, 5582.0, 5460.0, 5411.0, 5435.0, 5258.0, 5669.0, 5422.0, 5327.0, 5444.0, 5285.0, 5496.0, 5498.0, 5633.0, 5575.0, 5371.0, 5698.0, 5556.0, 5346.0, 5692.0, 5268.0, 5458.0, 5291.0, 5703.0, 5424.0, 5471.0, 5564.0, 5505.0, 5417.0, 5452.0, 5588.0, 5329.0, 5643.0, 5620.0, 5584.0, 5711.0, 5397.0, 5409.0, 5591.0, 5414.0, 5425.0, 5712.0, 5280.0, 5483.0, 5606.0, 5488.0, 5465.0, 5314.0, 5403.0, 5359.0, 5355.0, 5491.0, 5599.0, 5699.0, 5351.0, 5275.0, 5522.0, 5347.0, 5405.0, 5639.0, 5539.0, 5447.0, 5608.0, 5510.0, 5558.0, 5494.0, 5547.0, 5723.0, 5570.0, 5368.0, 5356.0, 5615.0, 5562.0, 5408.0, 5262.0, 5426.0,

						5252.0, 5536.0, 5462.0, 5676.0, 5715.0, 5597.0, 5427.0, 5720.0, 5338.0, 5401.0 (number of hits: 7)
18	5270	9	1	333	1	5577.0, 5497.0, 5681.0, 5493.0, 5419.0, 5574.0, 5569.0, 5333.0, 5467.0, 5274.0, 5502.0, 5433.0, 5672.0, 5518.0, 5478.0, 5582.0, 5694.0, 5723.0, 5335.0, 5276.0, 5534.0, 5365.0, 5562.0, 5551.0, 5564.0, 5613.0, 5328.0, 5506.0, 5283.0, 5487.0, 5519.0, 5395.0, 5438.0, 5656.0, 5645.0, 5678.0, 5282.0, 5639.0, 5425.0, 5607.0, 5450.0, 5445.0, 5606.0, 5373.0, 5466.0, 5309.0, 5676.0, 5345.0, 5465.0, 5411.0, 5298.0, 5460.0, 5637.0, 5707.0, 5471.0, 5545.0, 5539.0, 5522.0, 5669.0, 5688.0, 5570.0, 5348.0, 5257.0, 5263.0, 5511.0, 5398.0, 5649.0, 5531.0, 5515.0, 5552.0, 5389.0, 5382.0, 5718.0, 5251.0, 5474.0, 5508.0, 5271.0, 5697.0, 5543.0, 5597.0, 5364.0, 5456.0, 5457.0, 5485.0, 5657.0, 5624.0, 5266.0, 5675.0, 5359.0, 5698.0, 5273.0, 5452.0, 5455.0, 5667.0, 5616.0, 5346.0, 5659.0, 5619.0, 5544.0, 5415.0 (number of hits: 10)
19	5270	9	1	333	1	5603.0, 5466.0, 5469.0, 5308.0, 5463.0, 5278.0, 5280.0, 5526.0, 5488.0, 5608.0, 5305.0, 5611.0, 5443.0, 5697.0, 5485.0, 5544.0, 5349.0, 5630.0, 5294.0, 5559.0, 5347.0, 5648.0, 5658.0, 5279.0, 5328.0, 5597.0, 5550.0, 5448.0, 5479.0, 5589.0, 5368.0, 5314.0, 5717.0, 5595.0, 5516.0, 5579.0, 5341.0, 5568.0, 5356.0, 5397.0, 5335.0, 5486.0, 5651.0, 5622.0, 5342.0, 5484.0, 5700.0, 5723.0, 5576.0, 5708.0, 5569.0, 5419.0, 5698.0, 5283.0, 5442.0, 5663.0, 5572.0, 5633.0, 5445.0, 5620.0, 5481.0, 5254.0, 5372.0, 5431.0, 5616.0, 5291.0, 5392.0, 5713.0, 5325.0, 5451.0, 5471.0, 5669.0, 5366.0, 5689.0, 5638.0, 5551.0, 5646.0, 5619.0, 5490.0, 5355.0, 5340.0, 5357.0, 5272.0, 5452.0, 5395.0, 5703.0, 5584.0, 5441.0, 5336.0, 5276.0, 5367.0, 5424.0, 5438.0, 5715.0, 5323.0, 5417.0, 5487.0, 5407.0, 5588.0, 5270.0 (number of hits: 8)
20	5270	9	1	333	1	5443.0, 5466.0, 5676.0, 5339.0, 5495.0, 5512.0, 5389.0, 5663.0, 5456.0, 5255.0, 5672.0, 5604.0, 5602.0, 5401.0, 5687.0, 5641.0, 5638.0, 5721.0, 5592.0, 5716.0, 5452.0, 5670.0, 5590.0, 5286.0, 5471.0, 5423.0, 5576.0, 5655.0, 5358.0, 5656.0, 5603.0, 5355.0, 5409.0, 5514.0, 5362.0, 5410.0, 5414.0, 5693.0, 5503.0, 5582.0, 5332.0, 5597.0, 5561.0, 5542.0, 5272.0, 5404.0, 5329.0, 5577.0, 5651.0, 5496.0, 5455.0, 5407.0, 5573.0, 5485.0, 5412.0, 5391.0, 5505.0, 5722.0, 5555.0, 5251.0, 5723.0, 5367.0, 5642.0, 5679.0, 5403.0, 5364.0, 5453.0, 5385.0, 5591.0, 5330.0, 5700.0, 5371.0, 5545.0, 5724.0, 5441.0,

						5252.0, 5331.0, 5620.0, 5540.0, 5271.0, 5536.0, 5664.0, 5516.0, 5515.0, 5266.0, 5322.0, 5372.0, 5605.0, 5507.0, 5625.0, 5552.0, 5303.0, 5629.0, 5287.0, 5650.0, 5340.0, 5609.0, 5431.0, 5290.0, 5351.0 (number of hits: 8)
21	5270	9	1	333	1	5682.0, 5521.0, 5485.0, 5311.0, 5504.0, 5365.0, 5353.0, 5671.0, 5257.0, 5356.0, 5400.0, 5563.0, 5301.0, 5255.0, 5589.0, 5408.0, 5706.0, 5421.0, 5339.0, 5550.0, 5648.0, 5270.0, 5685.0, 5433.0, 5482.0, 5318.0, 5641.0, 5722.0, 5692.0, 5415.0, 5438.0, 5592.0, 5531.0, 5654.0, 5296.0, 5262.0, 5370.0, 5416.0, 5509.0, 5611.0, 5344.0, 5591.0, 5479.0, 5484.0, 5510.0, 5373.0, 5547.0, 5489.0, 5298.0, 5564.0, 5275.0, 5519.0, 5389.0, 5702.0, 5711.0, 5458.0, 5302.0, 5638.0, 5578.0, 5614.0, 5363.0, 5327.0, 5410.0, 5704.0, 5697.0, 5474.0, 5720.0, 5441.0, 5359.0, 5263.0, 5427.0, 5617.0, 5394.0, 5500.0, 5465.0, 5689.0, 5456.0, 5694.0, 5277.0, 5417.0, 5647.0, 5434.0, 5367.0, 5570.0, 5572.0, 5713.0, 5492.0, 5553.0, 5481.0, 5308.0, 5669.0, 5535.0, 5543.0, 5587.0, 5696.0, 5651.0, 5419.0, 5273.0, 5540.0, 5723.0 (number of hits: 8)
22	5270	9	1	333	1	5605.0, 5347.0, 5612.0, 5497.0, 5549.0, 5381.0, 5363.0, 5504.0, 5581.0, 5349.0, 5532.0, 5573.0, 5310.0, 5446.0, 5397.0, 5650.0, 5280.0, 5502.0, 5437.0, 5523.0, 5451.0, 5633.0, 5584.0, 5540.0, 5313.0, 5417.0, 5531.0, 5513.0, 5491.0, 5351.0, 5591.0, 5701.0, 5631.0, 5516.0, 5389.0, 5318.0, 5368.0, 5293.0, 5263.0, 5552.0, 5444.0, 5448.0, 5384.0, 5662.0, 5592.0, 5533.0, 5565.0, 5377.0, 5543.0, 5450.0, 5559.0, 5348.0, 5333.0, 5473.0, 5506.0, 5607.0, 5306.0, 5706.0, 5656.0, 5378.0, 5560.0, 5661.0, 5678.0, 5408.0, 5291.0, 5330.0, 5613.0, 5266.0, 5258.0, 5391.0, 5495.0, 5660.0, 5303.0, 5476.0, 5576.0, 5618.0, 5344.0, 5431.0, 5369.0, 5542.0, 5449.0, 5654.0, 5643.0, 5588.0, 5388.0, 5527.0, 5510.0, 5556.0, 5641.0, 5345.0, 5566.0, 5468.0, 5403.0, 5290.0, 5503.0, 5278.0, 5703.0, 5555.0, 5406.0, 5371.0 (number of hits: 5)
23	5270	9	1	333	1	5421.0, 5602.0, 5718.0, 5462.0, 5559.0, 5364.0, 5585.0, 5460.0, 5635.0, 5275.0, 5519.0, 5597.0, 5502.0, 5433.0, 5616.0, 5381.0, 5264.0, 5722.0, 5269.0, 5459.0, 5388.0, 5359.0, 5615.0, 5282.0, 5429.0, 5604.0, 5603.0, 5485.0, 5484.0, 5717.0, 5387.0, 5497.0, 5535.0, 5457.0, 5553.0, 5404.0, 5564.0, 5468.0, 5501.0, 5393.0, 5639.0, 5469.0, 5503.0, 5672.0, 5520.0, 5476.0, 5682.0, 5342.0, 5663.0, 5709.0, 5580.0, 5290.0, 5555.0, 5410.0, 5701.0, 5412.0, 5612.0, 5403.0, 5357.0, 5496.0,

						5650.0, 5694.0, 5699.0, 5516.0, 5590.0, 5679.0, 5400.0, 5614.0, 5687.0, 5665.0, 5384.0, 5261.0, 5577.0, 5690.0, 5512.0, 5601.0, 5327.0, 5715.0, 5463.0, 5418.0, 5605.0, 5609.0, 5567.0, 5533.0, 5600.0, 5310.0, 5593.0, 5355.0, 5268.0, 5657.0, 5419.0, 5351.0, 5642.0, 5414.0, 5445.0, 5549.0, 5546.0, 5570.0, 5587.0, 5480.0 (number of hits: 6)
24	5270	9	1	333	1	5640.0, 5375.0, 5266.0, 5570.0, 5467.0, 5659.0, 5301.0, 5715.0, 5581.0, 5491.0, 5478.0, 5443.0, 5356.0, 5675.0, 5259.0, 5601.0, 5349.0, 5519.0, 5612.0, 5346.0, 5453.0, 5575.0, 5436.0, 5415.0, 5500.0, 5486.0, 5387.0, 5722.0, 5676.0, 5507.0, 5487.0, 5401.0, 5667.0, 5450.0, 5284.0, 5588.0, 5433.0, 5497.0, 5611.0, 5256.0, 5472.0, 5318.0, 5557.0, 5323.0, 5345.0, 5652.0, 5720.0, 5555.0, 5697.0, 5466.0, 5686.0, 5378.0, 5679.0, 5714.0, 5716.0, 5496.0, 5448.0, 5684.0, 5504.0, 5526.0, 5298.0, 5308.0, 5651.0, 5602.0, 5637.0, 5287.0, 5665.0, 5475.0, 5631.0, 5589.0, 5465.0, 5514.0, 5546.0, 5352.0, 5449.0, 5341.0, 5718.0, 5282.0, 5572.0, 5452.0, 5609.0, 5351.0, 5427.0, 5691.0, 5607.0, 5556.0, 5456.0, 5579.0, 5668.0, 5619.0, 5532.0, 5682.0, 5628.0, 5442.0, 5315.0, 5524.0, 5503.0, 5463.0, 5327.0, 5525.0 (number of hits: 6)
25	5270	9	1	333	1	5600.0, 5334.0, 5609.0, 5509.0, 5715.0, 5648.0, 5474.0, 5326.0, 5588.0, 5630.0, 5653.0, 5463.0, 5713.0, 5545.0, 5429.0, 5309.0, 5481.0, 5482.0, 5398.0, 5703.0, 5467.0, 5541.0, 5628.0, 5297.0, 5683.0, 5572.0, 5462.0, 5697.0, 5517.0, 5452.0, 5506.0, 5595.0, 5527.0, 5372.0, 5428.0, 5448.0, 5433.0, 5468.0, 5321.0, 5473.0, 5313.0, 5349.0, 5591.0, 5343.0, 5252.0, 5578.0, 5267.0, 5668.0, 5551.0, 5531.0, 5529.0, 5598.0, 5348.0, 5533.0, 5366.0, 5370.0, 5670.0, 5534.0, 5612.0, 5606.0, 5399.0, 5364.0, 5625.0, 5617.0, 5388.0, 5514.0, 5447.0, 5483.0, 5337.0, 5444.0, 5592.0, 5491.0, 5328.0, 5510.0, 5664.0, 5626.0, 5378.0, 5276.0, 5475.0, 5411.0, 5492.0, 5386.0, 5650.0, 5704.0, 5610.0, 5562.0, 5325.0, 5678.0, 5641.0, 5672.0, 5499.0, 5702.0, 5512.0, 5440.0, 5652.0, 5339.0, 5542.0, 5526.0, 5360.0, 5659.0 (number of hits: 3)
26	5270	9	1	333	1	5298.0, 5434.0, 5335.0, 5582.0, 5429.0, 5581.0, 5617.0, 5692.0, 5357.0, 5333.0, 5716.0, 5486.0, 5547.0, 5542.0, 5497.0, 5290.0, 5389.0, 5606.0, 5261.0, 5596.0, 5283.0, 5663.0, 5424.0, 5721.0, 5687.0, 5299.0, 5468.0, 5252.0, 5410.0, 5320.0, 5524.0, 5346.0, 5614.0, 5309.0, 5685.0, 5709.0, 5382.0, 5526.0, 5406.0, 5256.0, 5295.0, 5646.0, 5565.0, 5645.0, 5359.0,

						5629.0, 5487.0, 5473.0, 5641.0, 5293.0, 5683.0, 5701.0, 5323.0, 5638.0, 5430.0, 5451.0, 5585.0, 5644.0, 5504.0, 5332.0, 5631.0, 5271.0, 5308.0, 5381.0, 5605.0, 5330.0, 5548.0, 5325.0, 5435.0, 5556.0, 5254.0, 5546.0, 5615.0, 5396.0, 5349.0, 5489.0, 5583.0, 5522.0, 5633.0, 5407.0, 5503.0, 5541.0, 5366.0, 5450.0, 5626.0, 5693.0, 5358.0, 5511.0, 5627.0, 5622.0, 5563.0, 5662.0, 5348.0, 5420.0, 5623.0, 5289.0, 5666.0, 5386.0, 5339.0, 5413.0 (number of hits: 7)
27	5270	9	1	333	1	5558.0, 5458.0, 5531.0, 5611.0, 5563.0, 5675.0, 5641.0, 5542.0, 5521.0, 5291.0, 5436.0, 5427.0, 5507.0, 5494.0, 5334.0, 5656.0, 5428.0, 5357.0, 5319.0, 5448.0, 5422.0, 5715.0, 5419.0, 5369.0, 5332.0, 5408.0, 5492.0, 5536.0, 5518.0, 5370.0, 5512.0, 5296.0, 5430.0, 5455.0, 5535.0, 5543.0, 5442.0, 5443.0, 5705.0, 5342.0, 5648.0, 5311.0, 5339.0, 5396.0, 5330.0, 5275.0, 5551.0, 5470.0, 5469.0, 5406.0, 5515.0, 5301.0, 5519.0, 5373.0, 5274.0, 5438.0, 5520.0, 5678.0, 5322.0, 5465.0, 5665.0, 5541.0, 5383.0, 5405.0, 5344.0, 5539.0, 5660.0, 5503.0, 5547.0, 5606.0, 5292.0, 5381.0, 5662.0, 5374.0, 5592.0, 5580.0, 5273.0, 5299.0, 5605.0, 5684.0, 5315.0, 5695.0, 5701.0, 5509.0, 5316.0, 5449.0, 5643.0, 5486.0, 5581.0, 5545.0, 5264.0, 5610.0, 5387.0, 5498.0, 5544.0, 5685.0, 5348.0, 5294.0, 5402.0, 5489.0 (number of hits: 4)
28	5270	9	1	333	1	5486.0, 5276.0, 5350.0, 5256.0, 5561.0, 5366.0, 5716.0, 5457.0, 5531.0, 5545.0, 5653.0, 5683.0, 5445.0, 5491.0, 5655.0, 5441.0, 5612.0, 5698.0, 5542.0, 5496.0, 5717.0, 5530.0, 5548.0, 5334.0, 5651.0, 5718.0, 5498.0, 5680.0, 5600.0, 5483.0, 5298.0, 5643.0, 5321.0, 5507.0, 5587.0, 5652.0, 5394.0, 5263.0, 5626.0, 5654.0, 5444.0, 5593.0, 5257.0, 5409.0, 5678.0, 5286.0, 5665.0, 5449.0, 5349.0, 5482.0, 5270.0, 5365.0, 5317.0, 5336.0, 5692.0, 5631.0, 5597.0, 5675.0, 5546.0, 5616.0, 5607.0, 5332.0, 5590.0, 5272.0, 5262.0, 5543.0, 5347.0, 5354.0, 5455.0, 5649.0, 5337.0, 5476.0, 5393.0, 5604.0, 5318.0, 5639.0, 5713.0, 5524.0, 5588.0, 5413.0, 5671.0, 5424.0, 5534.0, 5316.0, 5660.0, 5300.0, 5299.0, 5279.0, 5554.0, 5505.0, 5514.0, 5466.0, 5278.0, 5549.0, 5315.0, 5454.0, 5471.0, 5583.0, 5352.0, 5539.0 (number of hits: 10)
29	5270	9	1	333	1	5448.0, 5710.0, 5545.0, 5414.0, 5380.0, 5507.0, 5506.0, 5597.0, 5542.0, 5693.0, 5360.0, 5353.0, 5628.0, 5304.0, 5273.0, 5622.0, 5709.0, 5277.0, 5377.0, 5670.0, 5372.0, 5575.0, 5384.0, 5328.0, 5456.0, 5607.0, 5436.0, 5616.0, 5338.0, 5285.0,

						5416.0, 5613.0, 5432.0, 5455.0, 5482.0, 5538.0, 5624.0, 5568.0, 5371.0, 5406.0, 5564.0, 5266.0, 5565.0, 5638.0, 5615.0, 5717.0, 5574.0, 5550.0, 5498.0, 5642.0, 5294.0, 5712.0, 5529.0, 5362.0, 5674.0, 5648.0, 5320.0, 5252.0, 5291.0, 5567.0, 5513.0, 5337.0, 5361.0, 5276.0, 5518.0, 5481.0, 5504.0, 5349.0, 5723.0, 5403.0, 5660.0, 5389.0, 5323.0, 5458.0, 5672.0, 5419.0, 5426.0, 5617.0, 5627.0, 5601.0, 5319.0, 5283.0, 5593.0, 5571.0, 5649.0, 5446.0, 5451.0, 5719.0, 5555.0, 5637.0, 5457.0, 5606.0, 5318.0, 5623.0, 5437.0, 5287.0, 5312.0, 5526.0, 5383.0, 5636.0 (number of hits: 8)
30	5270	9	1	333	1	5681.0, 5575.0, 5489.0, 5486.0, 5505.0, 5620.0, 5514.0, 5354.0, 5477.0, 5580.0, 5677.0, 5539.0, 5436.0, 5712.0, 5518.0, 5402.0, 5296.0, 5348.0, 5674.0, 5444.0, 5394.0, 5429.0, 5485.0, 5492.0, 5527.0, 5636.0, 5431.0, 5384.0, 5459.0, 5419.0, 5542.0, 5446.0, 5588.0, 5559.0, 5707.0, 5652.0, 5482.0, 5722.0, 5288.0, 5641.0, 5392.0, 5528.0, 5583.0, 5573.0, 5465.0, 5325.0, 5533.0, 5389.0, 5443.0, 5705.0, 5645.0, 5576.0, 5587.0, 5700.0, 5411.0, 5396.0, 5499.0, 5663.0, 5597.0, 5342.0, 5654.0, 5530.0, 5383.0, 5708.0, 5631.0, 5375.0, 5390.0, 5251.0, 5316.0, 5689.0, 5267.0, 5494.0, 5622.0, 5449.0, 5359.0, 5669.0, 5291.0, 5541.0, 5623.0, 5380.0, 5281.0, 5680.0, 5381.0, 5721.0, 5557.0, 5642.0, 5413.0, 5357.0, 5259.0, 5372.0, 5624.0, 5426.0, 5461.0, 5604.0, 5274.0, 5569.0, 5369.0, 5690.0, 5481.0, 5675.0 (number of hits: 6)

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	96.7 %	60%	Pass
Type 4	30	93.3 %	60%	Pass
Aggregate(Type1 to 4)	120	97.5 %	80%	Pass
Type 5	30	96.7%	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

5290MHz

Radar Type 1A Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5290	70	1	758	1
2	5290	65	1	818	1
3	5290	81	1	658	1
4	5290	58	1	918	1
5	5290	83	1	638	1
6	5290	89	1	598	1
7	5290	92	1	578	1
8	5290	61	1	878	1
9	5290	76	1	698	1
10	5290	99	1	538	1
11	5290	59	1	898	1
12	5290	63	1	838	1
13	5290	62	1	858	1
14	5290	57	1	938	1
15	5290	68	1	778	1
Detection Percentage: 100 % (>60%)					

Radar Type 1B Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5290	71	1	748	1
2	5290	19	1	2932	1
3	5290	19	1	2929	1
4	5290	84	1	629	1
5	5290	18	1	3054	1
6	5290	33	1	1619	1
7	5290	23	1	2388	1
8	5290	27	1	1978	1
9	5290	24	1	2278	1
10	5290	20	1	2668	1
11	5290	18	1	2987	1
12	5290	25	1	2193	1
13	5290	32	1	1692	1
14	5290	23	1	2382	1
15	5290	39	1	1388	1
Detection Percentage: 100 % (>60%)					

Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5290	26	1.7	163	1
2	5290	29	1.1	197	1
3	5290	29	1.7	225	1
4	5290	27	3.7	202	1
5	5290	29	1.9	173	1
6	5290	23	4.1	173	1
7	5290	26	3.9	161	1
8	5290	23	1.8	193	1
9	5290	27	4.3	194	1
10	5290	24	2.2	193	1
11	5290	29	4.7	156	1
12	5290	29	4.1	182	1
13	5290	29	5	183	1
14	5290	27	3.2	161	1
15	5290	26	3.6	168	1
16	5290	23	3.4	154	1
17	5290	25	1.1	150	1
18	5290	23	3.5	217	1
19	5290	28	2.8	208	1
20	5290	24	2.3	163	1
21	5290	29	4.3	227	1
22	5290	26	3.9	230	1
23	5290	24	3.9	164	1
24	5290	23	3	185	1
25	5290	24	3	221	1
26	5290	28	1.8	180	1
27	5290	29	1.8	156	1
28	5290	26	3.4	166	1
29	5290	24	3.8	173	1
30	5290	24	4.4	222	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	7	322	1
2	5290	18	9.9	353	1
3	5290	17	9.4	355	1
4	5290	18	9.8	237	1
5	5290	18	6	472	1
6	5290	17	6.8	338	1
7	5290	17	7.5	332	1
8	5290	18	6.5	261	1
9	5290	16	6.5	393	1
10	5290	16	7	309	1
11	5290	16	7.3	288	1
12	5290	17	8.6	367	1
13	5290	17	8.7	460	1
14	5290	16	7.5	460	1
15	5290	17	7.1	353	1
16	5290	18	7.4	346	0
17	5290	18	6.6	299	1
18	5290	18	8.8	346	1
19	5290	17	7.2	236	1
20	5290	16	6.7	300	1
21	5290	18	9.6	475	1
22	5290	17	8.8	334	1
23	5290	17	9.8	304	1
24	5290	16	7.1	488	1
25	5290	18	8.5	256	1
26	5290	18	9.5	287	1
27	5290	16	8.7	340	1
28	5290	18	7.2	246	1
29	5290	18	6.6	293	1
30	5290	17	9	322	1
Detection Percentage: 96.7 % (>60%)					

Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5290	15	19.9	491	1
2	5290	12	12.8	375	1
3	5290	14	14.8	342	1
4	5290	12	18.5	388	1
5	5290	15	11.7	275	1
6	5290	12	15.5	292	1
7	5290	13	19.4	335	1
8	5290	13	12.7	278	1
9	5290	12	18.3	363	1
10	5290	16	15.9	222	0
11	5290	12	14.5	413	1
12	5290	14	16.1	344	1
13	5290	12	17.7	428	1
14	5290	16	17.9	466	1
15	5290	12	19.6	324	1
16	5290	14	19.5	422	1
17	5290	14	14.4	301	1
18	5290	15	17.8	453	1
19	5290	12	14.4	287	1
20	5290	14	14.2	200	0
21	5290	15	18.5	423	1
22	5290	12	11.6	250	1
23	5290	16	13.6	266	1
24	5290	13	17	327	1
25	5290	14	12.6	331	1
26	5290	16	14.6	369	1
27	5290	14	13.6	253	1
28	5290	14	13.2	227	1
29	5290	14	12	381	1
30	5290	12	16.8	402	1
Detection Percentage: 93.3 % (>60%)					

Radar Type 5 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5314 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	17	53	1604		0.063052	1
1	2	10	95.3	1159		1.068566	
2	1	12	52.1			2.012876	
3	2	6	93.7	1271		3.680311	
4	2	9	69.4	1558		4.552258	
5	1	11	51.6			4.979026	
6	2	11	66.2	1406		6.148838	
7	1	11	56.5			7.100226	
8	2	18	86.7	1420		7.6069	
9	3	9	95.6	1218	1545	8.939589	
10	3	18	52.7	1707	1040	9.668138	
11	1	19	62.7			10.58127	
12	2	19	81.6	1958		11.88774	

Statistics 2 (ChirpCenter Frequency: 5296 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	6	63.2			0.343947	1
1	1	11	60.2			0.963611	
2	2	11	78.5	1962		1.563494	
3	3	15	64.1	1297	1550	2.755329	
4	1	5	52.9			3.635476	
5	1	12	56.9			4.158235	
6	2	17	85.7	1635		5.212746	
7	3	11	58.6	1681	1321	5.933439	
8	2	15	71.4	1960		6.442218	
9	2	9	56.3	1478		7.33163	
10	1	12	51			7.908375	
11	2	5	66.3	1931		8.63391	
12	1	6	75.9			9.452667	
13	1	16	61.9			10.23559	
14	1	15	85.7			11.21357	
15	2	6	63.9	1121		11.72864	

Statistics 3 (ChirpCenter Frequency: 5307 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	15	79.6			0.238816	1
1	1	19	63.6			2.198616	
2	1	20	79.7			3.500622	
3	2	13	68.6	1487		4.051268	
4	2	16	76.8	1994		5.436976	
5	3	8	66.6	1660	1845	6.904999	
6	3	10	75.2	1926	1023	8.257984	
7	3	15	57.2	1667	1185	10.30765	
8	3	11	89.6	1881	1925	11.2055	

Statistics 4 (ChirpCenter Frequency: 5299 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	17	60.7	1238	1417	0.347036	1
1	3	15	99.8	1242	1799	1.136762	
2	2	18	91.7	1102		1.96853	
3	1	14	98.2			3.170788	
4	1	11	78			3.728151	
5	2	6	83	1130		4.726842	
6	2	14	54.8	1073		5.240128	
7	2	19	57.9	1673		6.262866	
8	2	7	78.7	1353		7.344855	
9	2	11	81.7	1019		7.98774	
10	3	16	66.2	1771	1207	8.579649	
11	3	10	60.4	1055	1027	10.20582	
12	3	8	53.5	1674	1216	10.31924	
13	2	7	65	1746		11.7162	

Statistics 5(ChirpCenter Frequency: 5308 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	6	71.5	1319		0.159776	1
1	2	11	71.6	1461		1.216885	
2	2	11	58.9	1987		2.607956	
3	2	10	57	1735		4.067304	
4	3	19	86.5	1909	1964	4.659386	
5	1	16	92.8			6.373394	
6	2	15	89	1315		6.584007	
7	3	8	83.1	1434	1681	8.070012	
8	2	7	72	1539		9.682897	
9	1	15	60			10.80851	
10	2	5	76.6	1247		11.66265	

Statistics 6 (ChirpCenter Frequency: 5303 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	8	92.7	1846		0.07396	1
1	2	6	87.3	1201		0.95841	
2	2	7	93.9	1942		2.106922	
3	1	5	81.8			2.294433	
4	3	19	53.2	1698	1665	3.293912	
5	2	12	53.5	1465		3.832199	
6	3	8	82.5	1079	1350	4.573457	
7	1	17	97.1			4.96855	
8	2	12	62.2	1518		6.246429	
9	2	6	58.6	1519		6.963587	
10	3	20	94.8	1794	1604	7.488934	
11	2	12	55	1277		7.880989	
12	3	17	84.3	1803	1922	8.754817	
13	2	6	83.4	1144		9.764214	
14	2	10	89.3	1841		9.936405	
15	3	14	99.9	1393	1398	10.68033	
16	2	6	61.7	1795		11.75029	

Statistics 7(ChirpCenter Frequency: 5262 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	14	64.3	1844		0.028861	
1	1	16	98.7			1.109081	
2	2	6	57.1	1100		1.264084	
3	1	20	77.7			2.302956	
4	3	8	89	1959	1482	2.780127	
5	1	8	98.8			3.383201	
6	1	9	97			4.232137	
7	2	18	67.4	1457		4.470795	
8	2	6	93.8	1621		5.350585	
9	3	14	51.8	1597	1104	5.734582	1
10	3	10	86.2	1293	1996	6.733375	
11	2	12	51.7	1478		7.248645	
12	2	8	88.3	1840		8.150202	
13	1	17	95.2			8.275364	
14	2	10	66.8	1434		8.903659	
15	3	9	50.6	1679	1893	9.844223	
16	3	13	56.7	1059	1711	10.18012	
17	2	11	77.6	1624		11.09694	
18	1	7	94.1			11.38479	

Statistics 8 (ChirpCenter Frequency: 5306 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	16	73.2			0.248511	
1	3	13	84.7	1916	1225	1.18391	
2	1	10	56.4			1.517063	
3	1	18	51.3			2.364557	
4	1	9	63.4			3.633493	
5	2	6	68.2	1985		3.947066	
6	2	19	64.6	1762		4.875673	
7	2	19	90.6	1175		5.744556	
8	1	10	73.8			6.510411	1
9	1	7	71.2			7.099187	
10	2	14	77.6	1140		8.096523	
11	1	15	79.9			8.487768	
12	2	20	68.8	1730		9.490262	
13	2	16	59.3	1869		10.42877	
14	2	10	71.5	1536		11.19872	
15	3	7	91.8	1639	1257	11.59283	

Statistics 9 (ChirpCenter Frequency: 5261 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	5	68.4	1529		0.189149	1
1	1	6	92.2			1.378126	
2	2	13	52.5	1993		1.80448	
3	1	6	65.1			2.710529	
4	2	7	62.9	1631		3.265988	
5	1	20	84.8			4.62265	
6	2	20	58.6	1738		4.977467	
7	1	11	97.7			5.606541	
8	1	17	61			7.089823	
9	3	7	92.3	1658	1625	7.424679	
10	1	19	94.7			8.009288	
11	2	14	95.8	1181		9.205006	
12	2	9	71.7	1753		10.13811	
13	3	16	72.1	1831	1097	10.87629	
14	1	20	51			11.53745	

Statistics 10 (ChirpCenter Frequency: 5294 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	13	97			1.181355	1
1	3	5	56.9	1487	1734	1.324838	
2	3	18	87.4	1227	1316	3.310531	
3	1	19	79.4			4.460376	
4	2	19	80	1320		4.973198	
5	2	13	95	1998		6.063992	
6	1	18	79.5			7.451961	
7	2	18	58.2	1053		9.469285	
8	1	6	91.2			9.779211	
9	2	14	76.3	1885		11.72792	

Statistics 11 (ChirpCenter Frequency: 5272 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	15	74.9			0.383125	1
1	1	7	80.5			2.358417	
2	1	11	72.1			3.400505	
3	1	8	55.2			4.433748	
4	2	7	77.6	1406		6.658635	
5	3	12	89.8	1940	1644	6.870754	
6	2	16	83	1088		8.16614	
7	3	6	74.1	1078	1311	9.795134	
8	1	9	89.3			11.06097	

Statistics 12 (ChirpCenter Frequency: 5278 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	13	92.7	1564		0.466228	1
1	1	14	59			1.144802	
2	2	12	73.2	1720		2.133374	
3	1	11	62.3			3.88241	
4	2	17	63.3	1162		4.053407	
5	3	13	98.3	1787	1001	5.050919	
6	3	14	99.5	1607	1833	6.256553	
7	2	7	89.1	1907		7.318391	
8	2	12	80.6	1390		8.959025	
9	2	6	53.9	1415		9.322335	
10	3	19	57.7	1393	1916	10.40397	
11	2	14	58.9	1708		11.21034	

Statistics 13 (ChirpCenter Frequency: 5264 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	20	84.6	1794		0.57686	1
1	3	9	70	1833	1537	1.29797	
2	2	20	96.6	1572		1.619401	
3	2	15	57.3	1717		2.438584	
4	1	7	72.8			2.955606	
5	2	7	82.5	1597		3.830142	
6	1	20	63.6			4.78889	
7	2	13	57.7	1160		5.42901	
8	1	7	76.9			6.116658	
9	2	9	75.7	1441		6.566929	
10	2	10	90.9	1423		7.324957	
11	2	20	64.9	1011		8.237983	
12	3	10	85.9	1585	1886	8.900884	
13	2	9	77.1	1756		9.654911	
14	2	14	57.1	1504		9.980881	
15	2	6	62.3	1594		10.63682	
16	3	16	56.5	1315	1993	11.94073	

Statistics 14 (ChirpCenter Frequency: 5298 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	11	70.3	1897		0.489869	1
1	2	18	61	1510		1.590655	
2	3	5	61	1827	1043	3.821748	
3	2	12	91.8	1945		4.55016	
4	1	18	78.2			6.487078	
5	3	20	85.1	1639	1343	7.44491	
6	1	18	50.3			8.598804	
7	3	9	83.6	1291	1441	9.523339	
8	1	5	67.3			10.92561	

Statistics 15 (ChirpCenter Frequency: 5260 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	7	79.4			0.117977	1
1	1	16	60.8			1.259534	
2	2	10	76.9	1991		1.695066	
3	1	7	73.8			2.784918	
4	2	9	71.1	1517		3.686775	
5	2	17	66.4	1880		4.633224	
6	2	7	74.1	1868		5.108218	
7	1	9	91.5			5.945463	
8	3	18	63.4	1310	1723	6.695409	
9	2	14	73.8	1713		7.675225	
10	2	12	69.9	1118		8.389076	
11	2	6	82.4	1111		9.478875	
12	3	6	84.7	1016	1284	9.889153	
13	2	13	97.7	1326		10.98744	
14	2	13	86.7	1276		11.43979	

Statistics 16 (ChirpCenter Frequency: 5276 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	17	67	1299		0.120583	0
1	2	13	89.8	1668		1.387799	
2	1	18	52.6			1.516351	
3	1	10	50.9			2.443521	
4	2	15	90.9	1883		3.037833	
5	2	14	56	1708		3.887793	
6	3	17	72.8	1551	1668	4.851702	
7	1	14	95.6			5.620695	
8	2	7	56.3	1355		5.668244	
9	3	13	53.4	1672	1622	6.453804	
10	2	13	97.4	1121		7.573826	
11	2	13	84.7	1803		8.396072	
12	3	8	99.5	1898	1465	8.83789	
13	2	14	75.4	1509		9.803408	
14	3	9	99.7	1175	1575	9.916247	
15	2	12	67.2	1248		10.86769	
16	2	14	53.6	1838		11.84308	

Statistics 17 (ChirpCenter Frequency: 5310 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	5	57.7	1696		0.622482	1
1	2	5	98.1	1635		1.022985	
2	2	7	97.2	1200		1.781967	
3	2	16	70.1	1436		2.784239	
4	3	17	64.2	1181	1029	3.573712	
5	1	12	53.1			4.341151	
6	2	11	52.5	1046		5.31156	
7	2	17	77.3	1746		5.853386	
8	3	13	54.5	1586	1671	6.996767	
9	2	11	95.1	1293		7.901695	
10	2	17	53.3	1737		8.013073	
11	3	19	73.6	1904	1544	9.016902	
12	2	8	69.1	1997		10.28187	
13	2	9	73.1	1828		10.47117	
14	2	13	61.5	1256		11.4955	

Statistics 18 (ChirpCenter Frequency: 5267 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	14	92.6	1724		0.005689	1
1	2	10	62.8	1695		1.485819	
2	2	19	91.5	1563		2.881162	
3	2	16	86.9	1366		3.931162	
4	2	20	97.2	1622		4.479873	
5	1	6	75.8			5.129168	
6	3	5	59.3	1823	1233	6.079109	
7	2	5	64.5	1116		7.372418	
8	3	17	52	1505	1455	8.550985	
9	2	16	61.2	1102		9.034308	
10	2	15	69	1312		10.15512	
11	2	6	53.3	1369		11.84216	

Statistics 19 (ChirpCenter Frequency: 5261 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	12	75.9	1763		0.428228	1
1	2	9	59	1717		1.468205	
2	1	9	87.4			1.998177	
3	2	9	67.8	1619		2.622043	
4	1	6	94.7			3.354764	
5	2	16	63.9	1374		4.589486	
6	2	16	84.1	1558		5.374301	
7	1	11	93			5.605756	
8	2	11	72.8	1120		6.960777	
9	3	16	66.7	1215	1636	7.528874	
10	2	14	93.1	1838		8.42968	
11	2	12	83.1	1465		9.164666	
12	1	7	91.7			10.19822	
13	1	6	88.7			11.029	
14	1	15	73.7			11.93214	

Statistics 20 (ChirpCenter Frequency: 5292 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	13	86.4	1590		0.687103	1
1	2	10	92.4	1836		1.121394	
2	2	10	96.8	1850		2.43602	
3	2	8	98.2	1706		3.094459	
4	1	7	74.9			3.538112	
5	3	18	66	1979	1360	4.788067	
6	2	7	89.2	1820		5.343932	
7	2	12	89.9	1948		6.576995	
8	1	16	98.4			7.488456	
9	3	9	70.1	1066	1122	7.880673	
10	2	9	90	1191		9.180831	
11	2	7	70.6	1458		10.15704	
12	2	12	84.8	1358		10.83241	
13	3	9	87.5	1377	1927	11.49392	

Statistics 21 (ChirpCenter Frequency: 5260 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	8	98.2	1123	1199	0.508235	1
1	2	16	50.5	1868		1.229809	
2	2	16	64.6	1149		1.984479	
3	3	16	59.2	1866	1089	2.165243	
4	2	7	96.6	1946		2.878272	
5	1	16	66.3			3.505845	
6	1	16	51			4.184541	
7	2	11	55.7	1419		5.168565	
8	1	18	66.6			5.79395	
9	2	16	86.5	1892		6.157415	
10	2	17	53.6	1329		6.736568	
11	3	13	57.4	1469	1474	7.361938	
12	1	19	55.7			8.130631	
13	1	16	68.6			9.273658	
14	2	18	91.3	1927		9.482427	
15	1	8	96.4			10.02044	
16	3	20	73.6	1903	1257	11.06765	
17	2	5	91.1	1481		11.71231	

Statistics 22 (ChirpCenter Frequency: 5303)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	17	82.2	1421	1800	0.611116	1
1	3	10	97.7	1591	1043	1.701964	
2	2	11	70.8	1449		1.784105	
3	2	14	87.8	1844		3.115445	
4	1	15	95.4			4.109559	
5	2	14	70.3	1900		4.952783	
6	1	6	90.5			5.774472	
7	1	18	68.1			6.829187	
8	2	8	57.2	1813		7.702895	
9	2	5	99.9	1708		8.466612	
10	3	13	92.4	1969	1500	8.605812	
11	3	15	50.7	1657	1867	9.514454	
12	1	19	62			11.06675	
13	2	16	98.3	1344		11.17993	

Statistics 23 (ChirpCenter Frequency: 5260 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	18	90.3	1523	1449	0.371108	1
1	1	17	61			1.328229	
2	1	13	74.7			2.082039	
3	2	14	62.8	1644		2.405053	
4	2	11	98.4	1988		3.296889	
5	2	6	93.2	1371		4.406399	
6	1	14	69.1			4.536757	
7	1	6	75			5.445113	
8	3	13	70.2	1770	1248	6.494227	
9	3	5	75.6	1675	1929	7.128996	
10	1	8	97.2			7.960178	
11	1	7	97.2			8.525293	
12	2	20	58.6	1117		9.560419	
13	3	11	93.6	1165	1499	9.95896	
14	2	15	79.3	1475		10.68302	
15	2	13	90.4	1503		11.29632	

Statistics 24 (ChirpCenter Frequency: 5261 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	13	69.1	1385	1612	0.09515	1
1	1	10	85.8			1.508377	
2	1	13	62.9			2.477864	
3	2	18	69.4	1344		3.281795	
4	2	14	88.3	1370		4.445087	
5	2	9	56	1392		5.172285	
6	3	14	83.1	1199	1413	5.650245	
7	3	19	75.7	1247	1146	7.122953	
8	2	10	73.8	1583		8.016809	
9	3	8	91.3	1870	1995	9.068488	
10	1	15	95.1			9.374572	
11	3	17	55.2	1080	1386	10.46818	
12	3	11	75.2	1979	1465	11.77971	

Statistics 25 (ChirpCenter Frequency: 5261 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	8	96.1	1368	1571	0.287342	1
1	3	15	64	1966	1821	1.936839	
2	2	14	58	1118		2.673373	
3	3	13	97.2	1868	1697	4.160131	
4	2	13	67.1	1656		4.803583	
5	2	11	50.4	1546		6.701666	
6	2	10	69.9	1284		8.257882	
7	1	12	72			9.525332	
8	2	19	53.8	1965		9.958337	
9	3	18	54.2	1899	1839	11.33542	

Statistics 26 (ChirpCenter Frequency: 5278 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	17	78.2	1964	1936	0.127857	1
1	3	7	91	1909	1708	1.104691	
2	1	10	86			1.429566	
3	3	9	66.5	1736	1917	2.562011	
4	2	5	70.9	1452		3.431259	
5	1	13	67.2			3.681124	
6	2	17	70.9	1376		4.648605	
7	3	20	91	1757	1535	5.067679	
8	3	10	79.1	1614	1625	6.205607	
9	1	8	72			6.48932	
10	2	9	88.3	1155		7.206785	
11	1	9	74.2			8.253022	
12	2	9	93.2	1760		8.653421	
13	1	7	66.8			9.843746	
14	2	6	95.1	1028		10.28363	
15	1	9	87.2			11.24018	
16	2	12	76.5	1130		11.31166	

Statistics 27 (ChirpCenter Frequency: 5302 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	15	58.5	1417	1302	0.306839	1
1	2	13	89.4	1494		1.987417	
2	2	18	60.5	1815		2.350468	
3	2	6	91.1	1701		3.741064	
4	1	19	72.6			4.662406	
5	1	7	75.3			5.944343	
6	1	17	95.5			6.280523	
7	2	8	81.7	1773		7.30659	
8	3	18	87.2	1546	1737	8.131167	
9	2	15	80.1	1982		9.286576	
10	1	14	96.9			10.85404	
11	3	13	89.8	1850	1454	11.74146	

Statistics 28 (ChirpCenter Frequency: 5292 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	6	80.1	1648		0.358823	1
1	2	15	63.3	1318		2.122791	
2	3	12	80.5	1883	1095	2.747015	
3	2	14	83.1	1252		4.596136	
4	2	10	58.6	1507		4.980318	
5	2	18	87.4	1801		6.687043	
6	3	11	51.7	1916	1549	7.514158	
7	1	17	83.3			8.580032	
8	2	19	55.2	1342		10.06058	
9	2	11	60.1	1787		11.21184	

Statistics 29 (ChirpCenter Frequency: 5281 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	15	90			0.791618	1
1	2	18	89.1	1950		1.825778	
2	2	11	95.5	1195		2.963965	
3	2	14	69.6	1043		3.71896	
4	2	18	97.7	1487		4.578909	
5	1	14	73.6			5.413822	
6	3	13	66.4	1402	1726	6.357021	
7	2	17	50.1	1060		7.889988	
8	1	17	72			8.425769	
9	3	18	83.5	1073	1587	9.844694	
10	1	14	87.2			10.6517	
11	3	15	66	1021	1854	11.89144	

Statistics 30 (ChirpCenter Frequency: 5263 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	6	88.9			0.597559	1
1	2	19	82.8	1646		1.683347	
2	2	11	55.6	1880		2.550572	
3	3	10	76.3	1969	1032	3.496667	
4	3	12	82.5	1535	1298	4.461782	
5	2	12	88.3	1277		5.318316	
6	1	18	51.1			5.561357	
7	3	18	50.8	1045	1889	7.265635	
8	2	17	100	1849		7.794625	
9	3	12	69.3	1438	1918	8.869303	
10	2	20	92	1698		9.931627	
11	2	13	63.6	1681		10.165	
12	1	20	67.2			11.52223	

Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5290	9	1	333	1	5312.0, 5338.0, 5379.0, 5719.0, 5573.0, 5661.0, 5611.0, 5556.0, 5427.0, 5686.0, 5576.0, 5583.0, 5636.0, 5572.0, 5259.0, 5358.0, 5256.0, 5466.0, 5669.0, 5703.0, 5468.0, 5558.0, 5693.0, 5353.0, 5604.0, 5431.0, 5424.0, 5457.0, 5677.0, 5274.0, 5287.0, 5367.0, 5261.0, 5260.0, 5292.0, 5506.0, 5510.0, 5404.0, 5633.0, 5296.0, 5503.0, 5335.0, 5663.0, 5371.0, 5446.0, 5430.0, 5713.0, 5385.0, 5652.0, 5705.0, 5654.0, 5352.0, 5613.0, 5521.0, 5491.0, 5463.0, 5494.0, 5433.0, 5683.0, 5417.0, 5460.0, 5412.0, 5464.0, 5443.0, 5310.0, 5473.0, 5513.0, 5640.0, 5621.0, 5673.0, 5550.0, 5631.0, 5706.0, 5527.0, 5493.0, 5454.0, 5456.0, 5400.0, 5568.0, 5529.0, 5698.0, 5644.0, 5579.0, 5630.0, 5582.0, 5655.0, 5664.0, 5374.0, 5420.0, 5322.0, 5516.0, 5723.0, 5502.0, 5422.0, 5571.0, 5278.0, 5452.0, 5280.0, 5428.0, 5694.0 (number of hits: 13)
2	5290	9	1	333	1	5367.0, 5391.0, 5494.0, 5722.0, 5594.0, 5690.0, 5511.0, 5667.0, 5384.0, 5370.0, 5723.0, 5394.0, 5577.0, 5533.0, 5342.0, 5429.0, 5595.0, 5562.0, 5295.0, 5707.0, 5639.0, 5453.0, 5456.0, 5381.0, 5314.0, 5513.0, 5405.0, 5466.0, 5427.0, 5465.0, 5597.0, 5646.0, 5508.0, 5676.0, 5431.0, 5711.0, 5668.0, 5348.0, 5602.0, 5660.0, 5409.0, 5297.0, 5458.0, 5315.0, 5463.0, 5313.0, 5666.0, 5585.0, 5509.0, 5691.0, 5436.0, 5572.0, 5443.0, 5627.0, 5471.0, 5503.0, 5281.0, 5356.0, 5616.0, 5662.0, 5294.0, 5459.0, 5607.0, 5584.0, 5688.0, 5673.0, 5689.0, 5720.0, 5420.0, 5322.0, 5337.0, 5635.0, 5369.0, 5488.0, 5630.0, 5623.0, 5424.0, 5332.0, 5457.0, 5526.0, 5536.0, 5264.0, 5474.0, 5317.0, 5669.0, 5551.0, 5712.0, 5629.0, 5473.0, 5383.0, 5285.0, 5358.0, 5651.0, 5514.0, 5490.0, 5386.0, 5300.0, 5538.0, 5677.0, 5599.0 (number of hits: 12)
3	5290	9	1	333	1	5465.0, 5307.0, 5450.0, 5478.0, 5333.0, 5489.0, 5306.0, 5590.0, 5469.0, 5394.0, 5717.0, 5429.0, 5529.0, 5362.0, 5498.0, 5265.0, 5298.0, 5619.0, 5682.0, 5584.0, 5581.0, 5470.0, 5576.0, 5539.0, 5635.0, 5447.0, 5509.0, 5494.0, 5272.0, 5479.0, 5335.0, 5582.0, 5511.0, 5569.0, 5273.0, 5486.0, 5649.0, 5543.0, 5414.0, 5588.0, 5427.0, 5554.0, 5571.0, 5312.0, 5723.0, 5708.0, 5459.0, 5415.0, 5290.0, 5501.0, 5578.0, 5711.0, 5484.0, 5448.0, 5311.0, 5263.0, 5467.0, 5397.0, 5655.0, 5477.0,

						5559.0, 5597.0, 5533.0, 5334.0, 5510.0, 5439.0, 5583.0, 5565.0, 5652.0, 5417.0, 5380.0, 5296.0, 5667.0, 5282.0, 5289.0, 5357.0, 5347.0, 5388.0, 5382.0, 5641.0, 5636.0, 5562.0, 5517.0, 5555.0, 5300.0, 5411.0, 5318.0, 5250.0, 5455.0, 5690.0, 5663.0, 5497.0, 5353.0, 5328.0, 5255.0, 5261.0, 5630.0, 5309.0, 5541.0, 5279.0 (number of hits: 21)
4	5290	9	1	333	1	5487.0, 5714.0, 5317.0, 5494.0, 5390.0, 5625.0, 5534.0, 5723.0, 5645.0, 5410.0, 5618.0, 5482.0, 5505.0, 5383.0, 5499.0, 5360.0, 5679.0, 5376.0, 5693.0, 5722.0, 5685.0, 5261.0, 5394.0, 5324.0, 5421.0, 5565.0, 5613.0, 5632.0, 5597.0, 5526.0, 5368.0, 5379.0, 5599.0, 5350.0, 5551.0, 5504.0, 5366.0, 5496.0, 5533.0, 5302.0, 5307.0, 5658.0, 5273.0, 5695.0, 5530.0, 5469.0, 5314.0, 5541.0, 5580.0, 5291.0, 5253.0, 5331.0, 5638.0, 5396.0, 5481.0, 5277.0, 5626.0, 5319.0, 5614.0, 5300.0, 5707.0, 5540.0, 5315.0, 5686.0, 5433.0, 5297.0, 5553.0, 5345.0, 5587.0, 5715.0, 5563.0, 5426.0, 5358.0, 5562.0, 5451.0, 5629.0, 5344.0, 5531.0, 5517.0, 5321.0, 5486.0, 5401.0, 5548.0, 5503.0, 5612.0, 5310.0, 5558.0, 5552.0, 5423.0, 5260.0, 5398.0, 5649.0, 5497.0, 5622.0, 5320.0, 5573.0, 5523.0, 5288.0, 5642.0, 5591.0 (number of hits: 19)
5	5290	9	1	333	1	5303.0, 5437.0, 5463.0, 5391.0, 5405.0, 5306.0, 5664.0, 5589.0, 5658.0, 5462.0, 5335.0, 5304.0, 5546.0, 5350.0, 5345.0, 5540.0, 5317.0, 5672.0, 5333.0, 5476.0, 5407.0, 5697.0, 5569.0, 5295.0, 5447.0, 5585.0, 5330.0, 5513.0, 5364.0, 5349.0, 5382.0, 5600.0, 5363.0, 5662.0, 5339.0, 5684.0, 5543.0, 5433.0, 5429.0, 5428.0, 5494.0, 5627.0, 5354.0, 5581.0, 5625.0, 5498.0, 5328.0, 5329.0, 5527.0, 5692.0, 5380.0, 5552.0, 5584.0, 5521.0, 5689.0, 5712.0, 5565.0, 5646.0, 5611.0, 5699.0, 5384.0, 5379.0, 5605.0, 5716.0, 5477.0, 5287.0, 5594.0, 5399.0, 5331.0, 5426.0, 5568.0, 5608.0, 5704.0, 5300.0, 5612.0, 5468.0, 5264.0, 5266.0, 5506.0, 5680.0, 5547.0, 5573.0, 5473.0, 5260.0, 5601.0, 5518.0, 5681.0, 5671.0, 5369.0, 5502.0, 5325.0, 5519.0, 5655.0, 5678.0, 5436.0, 5454.0, 5508.0, 5691.0, 5367.0, 5261.0 (number of hits: 14)
6	5290	9	1	333	1	5603.0, 5301.0, 5712.0, 5467.0, 5427.0, 5416.0, 5520.0, 5703.0, 5609.0, 5272.0, 5688.0, 5273.0, 5711.0, 5408.0, 5347.0, 5429.0, 5716.0, 5579.0, 5674.0, 5297.0, 5317.0, 5477.0, 5498.0, 5501.0, 5342.0, 5422.0, 5375.0, 5522.0, 5562.0, 5322.0, 5334.0, 5600.0, 5642.0, 5276.0, 5483.0, 5505.0, 5613.0, 5346.0, 5551.0, 5630.0, 5619.0, 5691.0, 5289.0, 5417.0, 5414.0,

						5260.0, 5566.0, 5312.0, 5425.0, 5367.0, 5652.0, 5359.0, 5518.0, 5440.0, 5407.0, 5345.0, 5337.0, 5457.0, 5439.0, 5720.0, 5291.0, 5348.0, 5558.0, 5485.0, 5295.0, 5668.0, 5280.0, 5508.0, 5662.0, 5702.0, 5493.0, 5544.0, 5514.0, 5640.0, 5546.0, 5569.0, 5275.0, 5490.0, 5286.0, 5274.0, 5292.0, 5621.0, 5308.0, 5654.0, 5715.0, 5511.0, 5390.0, 5378.0, 5294.0, 5446.0, 5698.0, 5708.0, 5309.0, 5385.0, 5564.0, 5512.0, 5677.0, 5639.0, 5307.0, 5271.0 (number of hits: 22)
7	5290	9	1	333	1	5401.0, 5400.0, 5674.0, 5657.0, 5570.0, 5413.0, 5417.0, 5433.0, 5558.0, 5341.0, 5665.0, 5301.0, 5569.0, 5493.0, 5546.0, 5474.0, 5479.0, 5251.0, 5348.0, 5681.0, 5654.0, 5694.0, 5395.0, 5680.0, 5294.0, 5397.0, 5518.0, 5605.0, 5514.0, 5312.0, 5317.0, 5399.0, 5613.0, 5490.0, 5484.0, 5483.0, 5482.0, 5616.0, 5539.0, 5342.0, 5396.0, 5415.0, 5543.0, 5266.0, 5364.0, 5683.0, 5267.0, 5671.0, 5492.0, 5355.0, 5721.0, 5607.0, 5481.0, 5639.0, 5404.0, 5626.0, 5278.0, 5472.0, 5622.0, 5517.0, 5628.0, 5651.0, 5386.0, 5370.0, 5660.0, 5608.0, 5499.0, 5513.0, 5686.0, 5467.0, 5365.0, 5699.0, 5633.0, 5259.0, 5414.0, 5337.0, 5444.0, 5255.0, 5580.0, 5540.0, 5436.0, 5506.0, 5409.0, 5568.0, 5648.0, 5295.0, 5653.0, 5617.0, 5656.0, 5459.0, 5323.0, 5256.0, 5407.0, 5362.0, 5676.0, 5637.0, 5462.0, 5584.0, 5457.0, 5624.0 (number of hits: 13)
8	5290	9	1	333	1	5464.0, 5701.0, 5592.0, 5455.0, 5330.0, 5503.0, 5287.0, 5369.0, 5602.0, 5603.0, 5418.0, 5630.0, 5465.0, 5723.0, 5421.0, 5588.0, 5302.0, 5663.0, 5521.0, 5362.0, 5372.0, 5573.0, 5596.0, 5257.0, 5256.0, 5323.0, 5359.0, 5485.0, 5320.0, 5387.0, 5615.0, 5652.0, 5261.0, 5367.0, 5648.0, 5513.0, 5571.0, 5392.0, 5317.0, 5574.0, 5607.0, 5558.0, 5531.0, 5556.0, 5550.0, 5426.0, 5697.0, 5606.0, 5637.0, 5719.0, 5709.0, 5404.0, 5536.0, 5617.0, 5593.0, 5518.0, 5640.0, 5473.0, 5608.0, 5702.0, 5412.0, 5280.0, 5332.0, 5381.0, 5684.0, 5578.0, 5405.0, 5548.0, 5682.0, 5529.0, 5508.0, 5700.0, 5394.0, 5409.0, 5432.0, 5379.0, 5693.0, 5255.0, 5399.0, 5290.0, 5523.0, 5304.0, 5476.0, 5417.0, 5271.0, 5635.0, 5300.0, 5262.0, 5448.0, 5408.0, 5658.0, 5437.0, 5472.0, 5673.0, 5298.0, 5445.0, 5284.0, 5466.0, 5401.0, 5370.0 (number of hits: 17)
9	5290	9	1	333	1	5464.0, 5446.0, 5340.0, 5325.0, 5717.0, 5694.0, 5634.0, 5337.0, 5259.0, 5676.0, 5481.0, 5331.0, 5686.0, 5268.0, 5501.0, 5278.0, 5527.0, 5650.0, 5583.0, 5279.0, 5610.0, 5571.0, 5656.0, 5264.0, 5349.0, 5387.0, 5305.0, 5567.0, 5359.0, 5370.0,

						5407.0, 5638.0, 5282.0, 5523.0, 5412.0, 5421.0, 5404.0, 5301.0, 5355.0, 5679.0, 5644.0, 5662.0, 5252.0, 5562.0, 5708.0, 5713.0, 5582.0, 5454.0, 5496.0, 5273.0, 5402.0, 5299.0, 5558.0, 5621.0, 5506.0, 5283.0, 5598.0, 5537.0, 5629.0, 5253.0, 5578.0, 5617.0, 5260.0, 5456.0, 5460.0, 5470.0, 5695.0, 5663.0, 5401.0, 5263.0, 5622.0, 5560.0, 5585.0, 5420.0, 5422.0, 5515.0, 5439.0, 5591.0, 5490.0, 5312.0, 5343.0, 5469.0, 5380.0, 5369.0, 5505.0, 5535.0, 5555.0, 5531.0, 5544.0, 5573.0, 5361.0, 5675.0, 5398.0, 5647.0, 5683.0, 5262.0, 5287.0, 5347.0, 5561.0, 5318.0 (number of hits: 20)
10	5290	9	1	333	1	5431.0, 5557.0, 5394.0, 5492.0, 5505.0, 5450.0, 5490.0, 5601.0, 5291.0, 5684.0, 5614.0, 5491.0, 5652.0, 5384.0, 5607.0, 5639.0, 5317.0, 5656.0, 5698.0, 5522.0, 5331.0, 5591.0, 5398.0, 5299.0, 5361.0, 5637.0, 5429.0, 5391.0, 5458.0, 5294.0, 5263.0, 5259.0, 5676.0, 5694.0, 5288.0, 5473.0, 5532.0, 5575.0, 5321.0, 5600.0, 5530.0, 5475.0, 5634.0, 5326.0, 5482.0, 5367.0, 5406.0, 5333.0, 5705.0, 5688.0, 5289.0, 5290.0, 5562.0, 5411.0, 5577.0, 5330.0, 5445.0, 5541.0, 5457.0, 5448.0, 5496.0, 5270.0, 5381.0, 5449.0, 5309.0, 5498.0, 5469.0, 5497.0, 5461.0, 5680.0, 5418.0, 5665.0, 5703.0, 5691.0, 5480.0, 5677.0, 5513.0, 5651.0, 5440.0, 5253.0, 5542.0, 5439.0, 5271.0, 5404.0, 5338.0, 5303.0, 5365.0, 5401.0, 5456.0, 5500.0, 5564.0, 5681.0, 5269.0, 5685.0, 5438.0, 5272.0, 5287.0, 5545.0, 5558.0, 5622.0 (number of hits: 19)
11	5290	9	1	333	1	5277.0, 5567.0, 5692.0, 5411.0, 5620.0, 5291.0, 5491.0, 5418.0, 5432.0, 5263.0, 5488.0, 5566.0, 5259.0, 5468.0, 5368.0, 5343.0, 5424.0, 5316.0, 5596.0, 5254.0, 5445.0, 5709.0, 5415.0, 5430.0, 5698.0, 5722.0, 5422.0, 5473.0, 5666.0, 5628.0, 5386.0, 5453.0, 5496.0, 5464.0, 5537.0, 5264.0, 5644.0, 5290.0, 5439.0, 5523.0, 5704.0, 5599.0, 5452.0, 5706.0, 5409.0, 5387.0, 5302.0, 5693.0, 5420.0, 5636.0, 5659.0, 5310.0, 5325.0, 5490.0, 5577.0, 5676.0, 5652.0, 5414.0, 5613.0, 5384.0, 5521.0, 5609.0, 5708.0, 5283.0, 5495.0, 5512.0, 5657.0, 5675.0, 5476.0, 5672.0, 5549.0, 5334.0, 5426.0, 5319.0, 5477.0, 5369.0, 5713.0, 5289.0, 5282.0, 5402.0, 5667.0, 5371.0, 5528.0, 5658.0, 5645.0, 5434.0, 5374.0, 5570.0, 5515.0, 5520.0, 5541.0, 5565.0, 5646.0, 5458.0, 5617.0, 5373.0, 5381.0, 5498.0, 5588.0, 5427.0 (number of hits: 15)
12	5290	9	1	333	1	5620.0, 5426.0, 5702.0, 5551.0, 5598.0, 5288.0, 5293.0, 5359.0, 5490.0, 5381.0, 5316.0, 5491.0, 5396.0, 5704.0, 5447.0,

						5428.0, 5453.0, 5593.0, 5473.0, 5259.0, 5616.0, 5326.0, 5627.0, 5291.0, 5421.0, 5441.0, 5570.0, 5481.0, 5703.0, 5394.0, 5299.0, 5432.0, 5409.0, 5615.0, 5348.0, 5585.0, 5467.0, 5550.0, 5718.0, 5547.0, 5387.0, 5524.0, 5626.0, 5571.0, 5566.0, 5349.0, 5397.0, 5526.0, 5307.0, 5549.0, 5716.0, 5580.0, 5707.0, 5311.0, 5611.0, 5557.0, 5623.0, 5656.0, 5341.0, 5575.0, 5337.0, 5268.0, 5454.0, 5493.0, 5443.0, 5608.0, 5277.0, 5527.0, 5537.0, 5657.0, 5511.0, 5506.0, 5260.0, 5617.0, 5257.0, 5334.0, 5695.0, 5724.0, 5602.0, 5508.0, 5691.0, 5516.0, 5266.0, 5658.0, 5324.0, 5458.0, 5672.0, 5308.0, 5495.0, 5540.0, 5314.0, 5642.0, 5325.0, 5431.0, 5647.0, 5487.0, 5699.0, 5498.0, 5535.0, 5375.0 (number of hits: 18)
13	5290	9	1	333	1	5476.0, 5578.0, 5272.0, 5320.0, 5696.0, 5708.0, 5340.0, 5718.0, 5392.0, 5415.0, 5502.0, 5651.0, 5655.0, 5541.0, 5292.0, 5394.0, 5525.0, 5406.0, 5352.0, 5310.0, 5290.0, 5629.0, 5624.0, 5396.0, 5349.0, 5699.0, 5412.0, 5373.0, 5707.0, 5332.0, 5425.0, 5497.0, 5437.0, 5308.0, 5448.0, 5680.0, 5329.0, 5520.0, 5523.0, 5259.0, 5492.0, 5611.0, 5275.0, 5404.0, 5366.0, 5416.0, 5503.0, 5353.0, 5661.0, 5630.0, 5450.0, 5263.0, 5700.0, 5694.0, 5608.0, 5555.0, 5454.0, 5595.0, 5363.0, 5383.0, 5449.0, 5580.0, 5638.0, 5385.0, 5456.0, 5491.0, 5355.0, 5323.0, 5695.0, 5461.0, 5341.0, 5605.0, 5650.0, 5617.0, 5575.0, 5489.0, 5599.0, 5438.0, 5567.0, 5400.0, 5467.0, 5720.0, 5360.0, 5538.0, 5262.0, 5398.0, 5481.0, 5637.0, 5253.0, 5462.0, 5667.0, 5556.0, 5436.0, 5343.0, 5588.0, 5294.0, 5315.0, 5666.0, 5625.0, 5618.0 (number of hits: 15)
14	5290	9	1	333	1	5501.0, 5684.0, 5434.0, 5537.0, 5528.0, 5389.0, 5466.0, 5444.0, 5678.0, 5699.0, 5454.0, 5630.0, 5342.0, 5716.0, 5626.0, 5524.0, 5456.0, 5484.0, 5401.0, 5651.0, 5701.0, 5635.0, 5708.0, 5431.0, 5385.0, 5552.0, 5645.0, 5257.0, 5496.0, 5255.0, 5601.0, 5622.0, 5522.0, 5590.0, 5634.0, 5405.0, 5252.0, 5366.0, 5474.0, 5519.0, 5363.0, 5577.0, 5696.0, 5399.0, 5397.0, 5445.0, 5549.0, 5644.0, 5436.0, 5321.0, 5499.0, 5375.0, 5595.0, 5614.0, 5646.0, 5525.0, 5394.0, 5418.0, 5278.0, 5660.0, 5588.0, 5452.0, 5570.0, 5710.0, 5520.0, 5447.0, 5269.0, 5369.0, 5722.0, 5724.0, 5654.0, 5337.0, 5264.0, 5310.0, 5282.0, 5301.0, 5423.0, 5393.0, 5305.0, 5357.0, 5688.0, 5502.0, 5713.0, 5582.0, 5289.0, 5457.0, 5355.0, 5314.0, 5574.0, 5368.0, 5720.0, 5486.0, 5709.0, 5481.0, 5656.0, 5624.0, 5533.0, 5429.0, 5322.0, 5285.0 (number of hits: 15)

15	5290	9	1	333	1	5663.0, 5468.0, 5444.0, 5676.0, 5486.0, 5511.0, 5334.0, 5528.0, 5562.0, 5507.0, 5685.0, 5385.0, 5345.0, 5495.0, 5419.0, 5710.0, 5697.0, 5647.0, 5545.0, 5264.0, 5474.0, 5306.0, 5441.0, 5341.0, 5700.0, 5270.0, 5693.0, 5488.0, 5479.0, 5580.0, 5433.0, 5683.0, 5538.0, 5643.0, 5574.0, 5699.0, 5521.0, 5365.0, 5687.0, 5455.0, 5671.0, 5438.0, 5447.0, 5450.0, 5644.0, 5442.0, 5255.0, 5618.0, 5360.0, 5319.0, 5432.0, 5268.0, 5321.0, 5611.0, 5678.0, 5536.0, 5575.0, 5262.0, 5489.0, 5716.0, 5597.0, 5338.0, 5613.0, 5372.0, 5317.0, 5630.0, 5600.0, 5423.0, 5512.0, 5610.0, 5422.0, 5478.0, 5515.0, 5682.0, 5583.0, 5388.0, 5318.0, 5376.0, 5421.0, 5417.0, 5323.0, 5370.0, 5712.0, 5367.0, 5377.0, 5386.0, 5288.0, 5404.0, 5292.0, 5648.0, 5523.0, 5405.0, 5295.0, 5584.0, 5251.0, 5277.0, 5349.0, 5300.0, 5302.0, 5625.0 (number of hits: 18)
16	5290	9	1	333	1	5253.0, 5721.0, 5371.0, 5378.0, 5549.0, 5329.0, 5303.0, 5281.0, 5407.0, 5536.0, 5684.0, 5559.0, 5507.0, 5264.0, 5514.0, 5488.0, 5585.0, 5556.0, 5497.0, 5629.0, 5323.0, 5523.0, 5458.0, 5690.0, 5283.0, 5530.0, 5440.0, 5575.0, 5675.0, 5259.0, 5609.0, 5529.0, 5252.0, 5406.0, 5262.0, 5268.0, 5351.0, 5320.0, 5254.0, 5686.0, 5455.0, 5617.0, 5484.0, 5400.0, 5287.0, 5275.0, 5391.0, 5324.0, 5398.0, 5564.0, 5489.0, 5704.0, 5683.0, 5473.0, 5695.0, 5396.0, 5522.0, 5512.0, 5476.0, 5650.0, 5387.0, 5449.0, 5647.0, 5661.0, 5697.0, 5582.0, 5576.0, 5602.0, 5509.0, 5711.0, 5345.0, 5652.0, 5557.0, 5256.0, 5361.0, 5653.0, 5628.0, 5415.0, 5634.0, 5439.0, 5278.0, 5578.0, 5446.0, 5553.0, 5722.0, 5272.0, 5555.0, 5599.0, 5282.0, 5342.0, 5419.0, 5424.0, 5561.0, 5347.0, 5284.0, 5263.0, 5635.0, 5696.0, 5482.0, 5341.0 (number of hits: 22)
17	5290	9	1	333	1	5679.0, 5407.0, 5551.0, 5541.0, 5677.0, 5569.0, 5694.0, 5608.0, 5364.0, 5592.0, 5655.0, 5507.0, 5624.0, 5479.0, 5487.0, 5635.0, 5368.0, 5509.0, 5269.0, 5395.0, 5564.0, 5471.0, 5339.0, 5581.0, 5658.0, 5634.0, 5265.0, 5445.0, 5566.0, 5421.0, 5283.0, 5595.0, 5298.0, 5674.0, 5363.0, 5348.0, 5369.0, 5636.0, 5656.0, 5361.0, 5409.0, 5350.0, 5444.0, 5312.0, 5336.0, 5575.0, 5377.0, 5362.0, 5627.0, 5704.0, 5522.0, 5576.0, 5673.0, 5672.0, 5290.0, 5396.0, 5696.0, 5486.0, 5508.0, 5697.0, 5593.0, 5503.0, 5528.0, 5359.0, 5719.0, 5553.0, 5322.0, 5435.0, 5251.0, 5628.0, 5556.0, 5524.0, 5474.0, 5411.0, 5562.0, 5475.0, 5366.0, 5343.0, 5542.0, 5525.0, 5605.0, 5511.0, 5531.0, 5264.0, 5629.0, 5335.0, 5591.0, 5434.0, 5682.0, 5643.0,

						5412.0, 5383.0, 5589.0, 5463.0, 5647.0, 5334.0, 5466.0, 5403.0, 5565.0, 5680.0 (number of hits: 9)
18	5290	9	1	333	1	5330.0, 5598.0, 5310.0, 5644.0, 5464.0, 5506.0, 5488.0, 5307.0, 5500.0, 5600.0, 5434.0, 5574.0, 5414.0, 5300.0, 5450.0, 5335.0, 5389.0, 5721.0, 5686.0, 5615.0, 5526.0, 5684.0, 5438.0, 5683.0, 5477.0, 5514.0, 5386.0, 5515.0, 5337.0, 5259.0, 5682.0, 5365.0, 5382.0, 5260.0, 5517.0, 5393.0, 5710.0, 5695.0, 5258.0, 5276.0, 5453.0, 5687.0, 5404.0, 5590.0, 5279.0, 5603.0, 5643.0, 5323.0, 5431.0, 5573.0, 5629.0, 5498.0, 5284.0, 5255.0, 5427.0, 5669.0, 5613.0, 5678.0, 5275.0, 5428.0, 5409.0, 5379.0, 5397.0, 5369.0, 5420.0, 5661.0, 5591.0, 5512.0, 5443.0, 5501.0, 5473.0, 5483.0, 5322.0, 5316.0, 5607.0, 5358.0, 5384.0, 5692.0, 5577.0, 5336.0, 5387.0, 5444.0, 5315.0, 5282.0, 5355.0, 5667.0, 5267.0, 5299.0, 5527.0, 5381.0, 5331.0, 5666.0, 5257.0, 5455.0, 5655.0, 5344.0, 5660.0, 5349.0, 5541.0, 5496.0 (number of hits: 19)
19	5290	9	1	333	1	5505.0, 5283.0, 5581.0, 5465.0, 5645.0, 5458.0, 5722.0, 5276.0, 5631.0, 5377.0, 5430.0, 5252.0, 5263.0, 5289.0, 5350.0, 5637.0, 5255.0, 5681.0, 5329.0, 5442.0, 5333.0, 5412.0, 5509.0, 5473.0, 5432.0, 5395.0, 5584.0, 5521.0, 5388.0, 5543.0, 5366.0, 5672.0, 5669.0, 5324.0, 5477.0, 5647.0, 5464.0, 5450.0, 5391.0, 5314.0, 5435.0, 5585.0, 5393.0, 5279.0, 5292.0, 5446.0, 5337.0, 5527.0, 5316.0, 5706.0, 5536.0, 5574.0, 5357.0, 5552.0, 5335.0, 5553.0, 5295.0, 5685.0, 5633.0, 5524.0, 5472.0, 5572.0, 5627.0, 5532.0, 5502.0, 5641.0, 5577.0, 5679.0, 5262.0, 5384.0, 5251.0, 5456.0, 5519.0, 5526.0, 5417.0, 5687.0, 5665.0, 5549.0, 5486.0, 5469.0, 5605.0, 5342.0, 5537.0, 5600.0, 5302.0, 5511.0, 5253.0, 5544.0, 5437.0, 5598.0, 5621.0, 5280.0, 5359.0, 5256.0, 5275.0, 5372.0, 5447.0, 5708.0, 5723.0, 5617.0 (number of hits: 20)
20	5290	9	1	333	1	5631.0, 5305.0, 5329.0, 5587.0, 5378.0, 5308.0, 5517.0, 5523.0, 5567.0, 5340.0, 5434.0, 5376.0, 5439.0, 5368.0, 5268.0, 5710.0, 5319.0, 5508.0, 5256.0, 5399.0, 5571.0, 5309.0, 5304.0, 5573.0, 5564.0, 5661.0, 5316.0, 5654.0, 5664.0, 5348.0, 5684.0, 5576.0, 5366.0, 5588.0, 5389.0, 5663.0, 5322.0, 5302.0, 5475.0, 5371.0, 5272.0, 5695.0, 5313.0, 5277.0, 5554.0, 5606.0, 5581.0, 5682.0, 5536.0, 5274.0, 5437.0, 5623.0, 5565.0, 5287.0, 5650.0, 5527.0, 5398.0, 5450.0, 5465.0, 5445.0, 5590.0, 5251.0, 5568.0, 5343.0, 5289.0, 5430.0, 5693.0, 5357.0, 5638.0, 5529.0, 5701.0, 5558.0, 5601.0, 5649.0, 5301.0,

						5605.0, 5683.0, 5281.0, 5468.0, 5720.0, 5400.0, 5354.0, 5624.0, 5413.0, 5269.0, 5596.0, 5502.0, 5662.0, 5481.0, 5284.0, 5490.0, 5484.0, 5526.0, 5719.0, 5330.0, 5486.0, 5470.0, 5487.0, 5359.0, 5349.0 (number of hits: 22)
21	5290	9	1	333	1	5658.0, 5607.0, 5625.0, 5279.0, 5640.0, 5585.0, 5716.0, 5528.0, 5639.0, 5689.0, 5252.0, 5401.0, 5661.0, 5410.0, 5383.0, 5285.0, 5678.0, 5653.0, 5578.0, 5545.0, 5283.0, 5286.0, 5665.0, 5452.0, 5303.0, 5251.0, 5412.0, 5502.0, 5267.0, 5353.0, 5523.0, 5419.0, 5717.0, 5381.0, 5317.0, 5308.0, 5272.0, 5479.0, 5570.0, 5707.0, 5583.0, 5276.0, 5399.0, 5391.0, 5713.0, 5659.0, 5466.0, 5668.0, 5416.0, 5552.0, 5592.0, 5514.0, 5662.0, 5350.0, 5293.0, 5262.0, 5463.0, 5556.0, 5580.0, 5663.0, 5414.0, 5385.0, 5485.0, 5703.0, 5688.0, 5435.0, 5371.0, 5691.0, 5654.0, 5561.0, 5446.0, 5602.0, 5548.0, 5361.0, 5335.0, 5518.0, 5297.0, 5506.0, 5288.0, 5712.0, 5690.0, 5422.0, 5440.0, 5266.0, 5336.0, 5339.0, 5606.0, 5271.0, 5256.0, 5540.0, 5590.0, 5505.0, 5558.0, 5520.0, 5439.0, 5494.0, 5516.0, 5259.0, 5413.0, 5320.0 (number of hits: 21)
22	5290	9	1	333	1	5511.0, 5534.0, 5683.0, 5394.0, 5653.0, 5408.0, 5403.0, 5569.0, 5605.0, 5392.0, 5642.0, 5280.0, 5619.0, 5663.0, 5576.0, 5281.0, 5253.0, 5255.0, 5328.0, 5703.0, 5496.0, 5439.0, 5677.0, 5724.0, 5384.0, 5629.0, 5618.0, 5488.0, 5404.0, 5657.0, 5667.0, 5477.0, 5492.0, 5463.0, 5636.0, 5708.0, 5388.0, 5310.0, 5497.0, 5611.0, 5664.0, 5585.0, 5341.0, 5574.0, 5432.0, 5482.0, 5337.0, 5608.0, 5715.0, 5464.0, 5262.0, 5504.0, 5340.0, 5563.0, 5252.0, 5692.0, 5568.0, 5366.0, 5449.0, 5330.0, 5581.0, 5456.0, 5633.0, 5676.0, 5507.0, 5473.0, 5697.0, 5376.0, 5704.0, 5389.0, 5300.0, 5409.0, 5416.0, 5412.0, 5354.0, 5343.0, 5413.0, 5533.0, 5260.0, 5459.0, 5452.0, 5375.0, 5290.0, 5536.0, 5301.0, 5279.0, 5484.0, 5461.0, 5400.0, 5716.0, 5265.0, 5460.0, 5592.0, 5612.0, 5434.0, 5654.0, 5559.0, 5268.0, 5609.0, 5590.0 (number of hits: 15)
23	5290	9	1	333	1	5415.0, 5345.0, 5544.0, 5639.0, 5535.0, 5577.0, 5631.0, 5257.0, 5281.0, 5646.0, 5272.0, 5585.0, 5455.0, 5330.0, 5684.0, 5651.0, 5666.0, 5367.0, 5474.0, 5374.0, 5404.0, 5360.0, 5480.0, 5551.0, 5590.0, 5664.0, 5254.0, 5499.0, 5688.0, 5513.0, 5656.0, 5502.0, 5568.0, 5340.0, 5485.0, 5301.0, 5384.0, 5399.0, 5266.0, 5372.0, 5467.0, 5371.0, 5279.0, 5677.0, 5668.0, 5267.0, 5681.0, 5516.0, 5292.0, 5306.0, 5523.0, 5692.0, 5534.0, 5616.0, 5529.0, 5424.0, 5593.0, 5395.0, 5603.0, 5626.0,

						5432.0, 5500.0, 5453.0, 5401.0, 5548.0, 5327.0, 5490.0, 5296.0, 5412.0, 5580.0, 5669.0, 5324.0, 5554.0, 5338.0, 5520.0, 5706.0, 5561.0, 5380.0, 5314.0, 5437.0, 5526.0, 5483.0, 5498.0, 5276.0, 5392.0, 5349.0, 5477.0, 5486.0, 5602.0, 5310.0, 5319.0, 5373.0, 5287.0, 5713.0, 5588.0, 5689.0, 5667.0, 5592.0, 5644.0, 5302.0 (number of hits: 19)
24	5290	9	1	333	1	5460.0, 5537.0, 5272.0, 5638.0, 5399.0, 5643.0, 5639.0, 5264.0, 5338.0, 5695.0, 5658.0, 5321.0, 5672.0, 5467.0, 5693.0, 5671.0, 5648.0, 5371.0, 5519.0, 5507.0, 5252.0, 5327.0, 5296.0, 5562.0, 5470.0, 5558.0, 5303.0, 5650.0, 5336.0, 5450.0, 5681.0, 5495.0, 5420.0, 5586.0, 5511.0, 5292.0, 5585.0, 5427.0, 5432.0, 5473.0, 5383.0, 5612.0, 5426.0, 5400.0, 5260.0, 5434.0, 5304.0, 5411.0, 5508.0, 5413.0, 5307.0, 5451.0, 5475.0, 5675.0, 5456.0, 5492.0, 5276.0, 5374.0, 5311.0, 5391.0, 5445.0, 5344.0, 5490.0, 5625.0, 5646.0, 5532.0, 5546.0, 5350.0, 5602.0, 5522.0, 5319.0, 5584.0, 5323.0, 5452.0, 5551.0, 5641.0, 5597.0, 5608.0, 5494.0, 5529.0, 5636.0, 5472.0, 5708.0, 5315.0, 5342.0, 5437.0, 5290.0, 5634.0, 5488.0, 5637.0, 5616.0, 5480.0, 5343.0, 5261.0, 5593.0, 5392.0, 5589.0, 5325.0, 5521.0, 5396.0 (number of hits: 19)
25	5290	9	1	333	1	5402.0, 5669.0, 5325.0, 5555.0, 5596.0, 5598.0, 5264.0, 5697.0, 5469.0, 5351.0, 5278.0, 5486.0, 5600.0, 5583.0, 5649.0, 5428.0, 5321.0, 5488.0, 5651.0, 5526.0, 5609.0, 5338.0, 5576.0, 5654.0, 5361.0, 5551.0, 5635.0, 5280.0, 5693.0, 5676.0, 5567.0, 5582.0, 5394.0, 5445.0, 5442.0, 5485.0, 5316.0, 5699.0, 5271.0, 5418.0, 5460.0, 5306.0, 5681.0, 5257.0, 5426.0, 5300.0, 5601.0, 5254.0, 5368.0, 5666.0, 5311.0, 5610.0, 5715.0, 5465.0, 5707.0, 5590.0, 5607.0, 5436.0, 5580.0, 5483.0, 5417.0, 5349.0, 5369.0, 5356.0, 5616.0, 5563.0, 5557.0, 5685.0, 5451.0, 5614.0, 5315.0, 5721.0, 5689.0, 5592.0, 5660.0, 5413.0, 5624.0, 5628.0, 5630.0, 5477.0, 5324.0, 5623.0, 5360.0, 5376.0, 5327.0, 5622.0, 5476.0, 5424.0, 5370.0, 5587.0, 5291.0, 5540.0, 5261.0, 5387.0, 5328.0, 5682.0, 5437.0, 5568.0, 5724.0, 5258.0 (number of hits: 19)
26	5290	9	1	333	1	5577.0, 5364.0, 5292.0, 5660.0, 5380.0, 5352.0, 5321.0, 5606.0, 5586.0, 5495.0, 5260.0, 5319.0, 5415.0, 5589.0, 5366.0, 5608.0, 5473.0, 5451.0, 5587.0, 5350.0, 5653.0, 5569.0, 5723.0, 5442.0, 5426.0, 5571.0, 5694.0, 5511.0, 5576.0, 5351.0, 5308.0, 5562.0, 5663.0, 5327.0, 5258.0, 5664.0, 5275.0, 5373.0, 5298.0, 5705.0, 5353.0, 5604.0, 5465.0, 5496.0, 5404.0,

						5520.0, 5568.0, 5566.0, 5712.0, 5362.0, 5546.0, 5498.0, 5552.0, 5336.0, 5534.0, 5490.0, 5458.0, 5461.0, 5325.0, 5477.0, 5654.0, 5455.0, 5605.0, 5361.0, 5693.0, 5711.0, 5525.0, 5483.0, 5543.0, 5609.0, 5516.0, 5669.0, 5720.0, 5317.0, 5708.0, 5517.0, 5355.0, 5343.0, 5345.0, 5309.0, 5452.0, 5554.0, 5545.0, 5610.0, 5499.0, 5488.0, 5303.0, 5358.0, 5294.0, 5704.0, 5449.0, 5551.0, 5627.0, 5657.0, 5680.0, 5378.0, 5590.0, 5254.0, 5584.0, 5549.0 (number of hits: 15)
27	5290	9	1	333	1	5513.0, 5563.0, 5689.0, 5440.0, 5421.0, 5646.0, 5307.0, 5695.0, 5536.0, 5432.0, 5423.0, 5643.0, 5545.0, 5690.0, 5663.0, 5475.0, 5457.0, 5658.0, 5498.0, 5488.0, 5439.0, 5496.0, 5341.0, 5664.0, 5675.0, 5306.0, 5357.0, 5272.0, 5597.0, 5479.0, 5581.0, 5391.0, 5686.0, 5455.0, 5677.0, 5506.0, 5672.0, 5295.0, 5598.0, 5320.0, 5275.0, 5334.0, 5436.0, 5338.0, 5250.0, 5612.0, 5661.0, 5347.0, 5389.0, 5549.0, 5591.0, 5330.0, 5305.0, 5723.0, 5490.0, 5560.0, 5382.0, 5669.0, 5373.0, 5261.0, 5422.0, 5483.0, 5711.0, 5468.0, 5252.0, 5550.0, 5706.0, 5296.0, 5571.0, 5365.0, 5351.0, 5368.0, 5627.0, 5426.0, 5304.0, 5721.0, 5584.0, 5616.0, 5300.0, 5639.0, 5722.0, 5519.0, 5482.0, 5583.0, 5611.0, 5680.0, 5650.0, 5464.0, 5309.0, 5485.0, 5466.0, 5403.0, 5516.0, 5346.0, 5523.0, 5647.0, 5429.0, 5720.0, 5518.0, 5717.0 (number of hits: 14)
28	5290	9	1	333	1	5456.0, 5431.0, 5293.0, 5591.0, 5718.0, 5536.0, 5524.0, 5330.0, 5414.0, 5473.0, 5369.0, 5275.0, 5574.0, 5717.0, 5303.0, 5416.0, 5547.0, 5420.0, 5460.0, 5628.0, 5679.0, 5655.0, 5308.0, 5419.0, 5557.0, 5713.0, 5466.0, 5376.0, 5313.0, 5600.0, 5355.0, 5474.0, 5354.0, 5514.0, 5440.0, 5685.0, 5254.0, 5504.0, 5603.0, 5639.0, 5705.0, 5689.0, 5469.0, 5505.0, 5551.0, 5292.0, 5434.0, 5634.0, 5273.0, 5276.0, 5714.0, 5387.0, 5453.0, 5436.0, 5459.0, 5537.0, 5334.0, 5486.0, 5555.0, 5585.0, 5541.0, 5272.0, 5493.0, 5437.0, 5425.0, 5638.0, 5343.0, 5624.0, 5305.0, 5353.0, 5381.0, 5444.0, 5317.0, 5482.0, 5379.0, 5521.0, 5310.0, 5391.0, 5443.0, 5642.0, 5405.0, 5335.0, 5298.0, 5697.0, 5508.0, 5534.0, 5517.0, 5297.0, 5678.0, 5573.0, 5673.0, 5282.0, 5296.0, 5455.0, 5519.0, 5268.0, 5269.0, 5388.0, 5720.0, 5632.0 (number of hits: 19)
29	5290	9	1	333	1	5520.0, 5438.0, 5383.0, 5303.0, 5312.0, 5269.0, 5603.0, 5398.0, 5706.0, 5320.0, 5385.0, 5532.0, 5409.0, 5544.0, 5325.0, 5490.0, 5364.0, 5714.0, 5486.0, 5272.0, 5629.0, 5634.0, 5399.0, 5550.0, 5284.0, 5348.0, 5601.0, 5274.0, 5330.0, 5333.0,

						5584.0, 5315.0, 5595.0, 5643.0, 5488.0, 5450.0, 5381.0, 5418.0, 5392.0, 5656.0, 5552.0, 5255.0, 5276.0, 5625.0, 5336.0, 5307.0, 5441.0, 5553.0, 5482.0, 5545.0, 5611.0, 5658.0, 5698.0, 5376.0, 5708.0, 5711.0, 5586.0, 5681.0, 5710.0, 5260.0, 5526.0, 5635.0, 5338.0, 5554.0, 5525.0, 5665.0, 5524.0, 5620.0, 5580.0, 5481.0, 5618.0, 5682.0, 5466.0, 5327.0, 5712.0, 5501.0, 5489.0, 5577.0, 5444.0, 5353.0, 5535.0, 5513.0, 5292.0, 5652.0, 5686.0, 5436.0, 5696.0, 5497.0, 5266.0, 5527.0, 5506.0, 5421.0, 5380.0, 5449.0, 5605.0, 5619.0, 5334.0, 5476.0, 5555.0, 5690.0 (number of hits: 16)
30	5290	9	1	333	1	5432.0, 5416.0, 5624.0, 5424.0, 5362.0, 5603.0, 5256.0, 5690.0, 5471.0, 5575.0, 5401.0, 5300.0, 5273.0, 5375.0, 5266.0, 5717.0, 5580.0, 5357.0, 5621.0, 5418.0, 5400.0, 5396.0, 5542.0, 5597.0, 5277.0, 5421.0, 5395.0, 5309.0, 5596.0, 5663.0, 5304.0, 5394.0, 5570.0, 5450.0, 5459.0, 5705.0, 5561.0, 5525.0, 5635.0, 5384.0, 5464.0, 5584.0, 5296.0, 5591.0, 5552.0, 5641.0, 5673.0, 5668.0, 5554.0, 5368.0, 5281.0, 5592.0, 5379.0, 5503.0, 5382.0, 5538.0, 5389.0, 5700.0, 5566.0, 5482.0, 5571.0, 5719.0, 5509.0, 5306.0, 5318.0, 5487.0, 5605.0, 5342.0, 5469.0, 5553.0, 5514.0, 5709.0, 5578.0, 5417.0, 5557.0, 5698.0, 5258.0, 5445.0, 5521.0, 5559.0, 5414.0, 5452.0, 5365.0, 5319.0, 5353.0, 5479.0, 5671.0, 5712.0, 5678.0, 5320.0, 5493.0, 5714.0, 5660.0, 5648.0, 5679.0, 5465.0, 5405.0, 5711.0, 5410.0, 5315.0 (number of hits: 15)

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	95	1	558	1
2	5500	63	1	838	1
3	5500	74	1	718	1
4	5500	68	1	778	1
5	5500	70	1	758	1
6	5500	57	1	938	1
7	5500	62	1	858	1
8	5500	92	1	578	1
9	5500	81	1	658	1
10	5500	72	1	738	1
11	5500	61	1	878	1
12	5500	65	1	818	1
13	5500	83	1	638	1
14	5500	89	1	598	1
15	5500	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	5500	19	1	2791	1
2	5500	33	1	1617	1
3	5500	63	1	851	1
4	5500	53	1	998	1
5	5500	20	1	2713	1
6	5500	45	1	1199	1
7	5500	18	1	3053	1
8	5500	19	1	2899	1
9	5500	23	1	2361	1
10	5500	20	1	2730	1
11	5500	28	1	1925	1
12	5500	81	1	652	1
13	5500	90	1	592	1
14	5500	71	1	749	1
15	5500	25	1	2185	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	23	3.4	195	1
2	5500	26	2.4	173	1
3	5500	26	4.3	203	1
4	5500	24	4.8	169	1
5	5500	28	3.7	152	1
6	5500	23	2.6	222	1
7	5500	26	1.3	173	1
8	5500	23	2	183	1
9	5500	24	4.2	196	1
10	5500	24	4.5	200	1
11	5500	27	2.4	230	1
12	5500	27	3.9	222	1
13	5500	23	3.1	151	1
14	5500	28	2.3	204	1
15	5500	23	2	170	1
16	5500	26	3.5	202	1
17	5500	23	3.5	181	1
18	5500	26	2	166	1
19	5500	24	2	194	1
20	5500	24	4.5	230	1
21	5500	24	3.8	179	1
22	5500	29	2.1	172	1
23	5500	23	2.6	188	1
24	5500	28	1.8	201	1
25	5500	23	2.4	224	1
26	5500	25	2.8	171	1
27	5500	26	2.2	209	1
28	5500	26	2.7	173	1
29	5500	28	4.2	164	1
30	5500	28	2.2	177	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	9.8	483	1
2	5500	17	8.3	252	1
3	5500	17	6.9	333	1
4	5500	17	7.3	377	1
5	5500	18	6.9	244	1
6	5500	17	7.4	242	1
7	5500	17	6.9	227	1
8	5500	16	7.6	398	1
9	5500	17	9.3	236	1
10	5500	17	9	215	1
11	5500	16	6.1	266	1
12	5500	17	8.3	272	1
13	5500	17	8.4	329	1
14	5500	17	9.3	295	1
15	5500	17	9.3	358	1
16	5500	16	9.1	238	1
17	5500	18	8.4	214	1
18	5500	17	7.4	453	1
19	5500	18	6.4	292	1
20	5500	16	6.4	216	1
21	5500	16	8.3	365	1
22	5500	17	7.8	413	1
23	5500	16	9.1	374	1
24	5500	18	8.3	304	1
25	5500	18	9.5	472	1
26	5500	16	9.7	260	1
27	5500	16	9.9	244	1
28	5500	18	9.8	203	1
29	5500	18	9.8	449	1
30	5500	17	8.7	310	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	14	13.2	353	1
2	5500	14	15.7	447	1
3	5500	14	14.2	220	1
4	5500	16	13	272	1
5	5500	16	19.8	315	1
6	5500	15	18.4	200	1
7	5500	12	20	438	1
8	5500	12	15.6	291	1
9	5500	13	17.4	458	1
10	5500	12	18.1	220	1
11	5500	15	13.5	329	1
12	5500	15	15.3	241	1
13	5500	12	12.3	428	1
14	5500	16	16.5	330	1
15	5500	15	17.3	321	1
16	5500	15	17.9	333	1
17	5500	15	14.4	376	1
18	5500	16	17.7	413	1
19	5500	15	16.6	376	1
20	5500	15	13.3	246	1
21	5500	14	15	481	1
22	5500	15	16.3	443	1
23	5500	13	18	402	1
24	5500	14	18.8	434	1
25	5500	14	15.9	402	1
26	5500	12	16.2	224	1
27	5500	15	13.6	476	1
28	5500	12	18.4	283	1
29	5500	14	13.1	203	1
30	5500	16	11.7	207	1
Detection Percentage: 100 % (>60%)					

Radar Type 5 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5499 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	16	71.1	1958	1609	0.505703	1
1	2	13	59.7	1021		1.291661	
2	2	12	58.1	1509		1.831342	
3	2	18	52.1	1132		2.434769	
4	2	7	82.3	1807		3.07015	
5	1	20	63.5			3.899833	
6	1	8	97.1			4.230841	
7	2	16	91.9	1815		4.934264	
8	1	10	97			5.519145	
9	3	18	91.3	1399	1372	6.172397	
10	2	9	68.5	1206		6.918831	
11	3	19	79.5	1573	1515	7.700181	
12	1	19	83			8.175767	
13	2	15	92.2	1118		9.158431	
14	2	16	56.9	1105		9.376655	
15	3	17	93.4	1576	1213	10.33683	
16	2	5	54.9	1800		11.04809	
17	2	11	62.3	1183		11.53237	

Statistics 2 (ChirpCenter Frequency: 5494 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	15	91.5	1720		0.225085	1
1	1	15	75.9			0.993137	
2	2	6	85.8	1424		2.319694	
3	2	18	95.7	1408		2.978687	
4	2	19	55.1	1313		3.41941	
5	2	18	89.9	1965		4.106462	
6	1	13	77.2			5.153518	
7	2	20	61	1832		5.629291	
8	2	13	72.2	1510		6.51719	
9	2	19	83.1	1173		7.431304	
10	3	19	74.2	1286	1330	8.11193	
11	2	8	81.9	1440		8.89862	
12	2	16	86.3	1046		9.958146	
13	1	19	92.6			10.44048	
14	2	19	76.6	1256		11.97029	

Statistics 3 (ChirpCenter Frequency: 5499 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	19	55.4	1840		0.213878	1
1	2	17	87.9	1997		1.016392	
2	1	15	67.4			1.583355	
3	1	15	92.2			2.230433	
4	2	6	71.9	1830		3.13101	
5	1	19	52.8			3.723527	
6	3	7	61.7	1901	1108	4.077512	
7	1	15	82.8			4.781793	
8	2	19	90.4	1882		5.373248	
9	3	18	92.2	1256	1807	6.251585	
10	2	6	80.2	1932		6.850662	
11	2	6	70.2	1240		7.759321	
12	1	11	91.4			8.489506	
13	2	10	66.1	1440		8.826617	
14	2	12	77.8	1746		9.896242	
15	1	8	83.7			10.03396	
16	2	17	81.7	1893		11.21424	
17	1	14	98.8			11.68855	

Statistics 4 (ChirpCenter Frequency: 5503 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	10	93.9	1088		0.356859	1
1	2	7	55.3	1970		2.124774	
2	1	9	90.8			2.791343	
3	3	9	93.8	1264	1130	3.981702	
4	2	11	62.7	1408		4.642888	
5	1	14	54.2			6.215391	
6	1	15	55.2			6.550389	
7	1	9	65.2			8.235852	
8	2	19	53.1	1778		9.381547	
9	2	18	70.3	1960		10.11373	
10	1	15	94.9			11.088	

Statistics 5 (ChirpCenter Frequency: 5497 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	8	84.6	1279		0.73926	1
1	3	10	76	1055	1110	1.586344	
2	3	11	59.1	1407	1923	2.058669	
3	2	10	99.5	1825		2.663628	
4	2	14	71.6	1676		3.919837	
5	1	18	81.9			5.072588	
6	1	16	84.7			5.880424	
7	2	13	81.6	1366		6.006476	
8	2	14	71	1386		7.633561	
9	2	13	99.5	1766		7.856184	
10	3	14	76.9	1789	1458	8.690227	
11	2	7	93.4	1878		10.05891	
12	2	11	99.2	1486		10.65372	
13	1	19	51			11.3513	

Statistics 6 (ChirpCenter Frequency: 5496 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	14	67			0.065196	1
1	1	10	58			0.765868	
2	2	12	62.5	1628		1.711068	
3	1	19	83.9			2.288809	
4	2	15	73.2	1738		2.856856	
5	1	16	95.2			3.38492	
6	1	20	70.4			4.152332	
7	1	7	70.7			5.306214	
8	3	18	80.3	1265	1165	5.846477	
9	2	13	56.6	1700		6.220808	
10	1	16	50.3			7.214356	
11	3	12	59.7	1126	1739	7.577743	
12	1	18	98.3			8.022796	
13	2	19	58.3	1926		9.170955	
14	3	8	68	1058	1024	9.894496	
15	3	9	55.1	1478	1768	10.01114	
16	2	15	69.2	1127		10.69334	
17	2	19	91.5	1032		11.63223	

Statistics 7 (ChirpCenter Frequency: 5502 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	7	50.8	1940		0.69836	
1	2	19	66.2	1010		0.90285	
2	3	7	77.3	1339	1208	1.788305	
3	3	14	64.8	1562	1813	2.256686	
4	2	18	95.1	1665		3.212231	
5	2	14	68.8	1324		3.954426	
6	1	12	74.1			4.784331	
7	2	19	59.4	1424		4.959229	
8	2	18	82.5	1138		6.22574	1
9	2	19	86.7	1437		6.939946	
10	2	15	90.8	1734		7.703196	
11	2	18	60.3	1182		7.889848	
12	2	14	75.8	1040		8.620566	
13	2	14	63.3	1881		9.538923	
14	2	10	65.4	1713		10.17724	
15	3	18	81.6	1958	1579	11.19087	
16	2	11	73.5	1437		11.33708	

Statistics 8 (ChirpCenter Frequency: 5496 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	15	68.8	1935	1507	0.742425	
1	2	9	75	1859		1.110179	
2	2	8	70.6	1110		3.18005	
3	2	18	52.1	1848		3.695448	
4	3	14	64.4	1957	1413	4.947923	
5	1	18	59.1			6.306814	1
6	3	11	90	1091	1435	7.550061	
7	1	12	85.3			7.988025	
8	1	8	93.7			9.087689	
9	1	10	70.6			10.81732	
10	2	6	83.5	1080		11.29741	

Statistics 9 (ChirpCenter Frequency: 5498 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	14	84.4	1070	1806	0.363914	1
1	1	16	70			1.575838	
2	2	16	97.1	1403		3.0279	
3	3	17	62.9	1207	1140	5.135089	
4	2	19	76.7	1551		6.610146	
5	3	11	57.8	1425	1228	7.861144	
6	3	9	60.5	1795	1438	9.137414	
7	1	10	93			10.3883	
8	3	15	74.2	1337	1526	10.85241	

Statistics 10 (ChirpCenter Frequency: 5494 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	16	54.7			0.138572	1
1	2	12	57.7	1947		1.509968	
2	2	17	68.9	1990		2.551689	
3	1	15	60.3			3.015826	
4	2	11	53.5	1712		4.009201	
5	1	12	75.4			5.745526	
6	3	9	98	1497	1239	6.92453	
7	2	18	85.5	1683		7.411893	
8	3	9	60.9	1797	1425	8.308857	
9	2	17	89.4	1598		9.914192	
10	1	15	66.2			10.11952	
11	2	17	77.6	1923		11.76517	

Statistics 11 (ChirpCenter Frequency: 5500 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	12	52.6	1740		1.024419	1
1	3	12	81.5	1998	1489	1.550999	
2	2	11	71.6	1839		3.08334	
3	1	15	57.2			3.797971	
4	2	11	57.1	1285		5.112601	
5	2	19	85.9	1450		6.210037	
6	2	17	89.6	1272		7.111944	
7	3	15	96.4	1296	1551	8.079907	
8	3	6	81.7	1843	1223	9.679142	
9	3	17	56.4	1844	1247	10.72484	
10	1	12	59.4			11.29896	

Statistics 12 (ChirpCenter Frequency: 5499 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	10	72.3	1614	1157	0.516176	1
1	2	6	93.1	1278		1.001371	
2	2	20	53.4	1681		2.153012	
3	2	8	86.1	1156		3.275543	
4	1	7	93.7			4.570318	
5	1	7	96.5			5.292296	
6	3	7	73.3	1962	1518	6.929007	
7	2	9	57.9	1102		7.325634	
8	2	7	80.3	1581		8.012804	
9	2	12	58.2	1320		9.218739	
10	1	15	94.7			10.26946	
11	2	11	75.3	1145		11.16222	

Statistics 13 (ChirpCenter Frequency: 5503 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	16	96.2	1540		0.085766	0
1	1	14	83.7			0.742497	
2	2	13	52.8	1853		1.834782	
3	2	10	78.1	1000		2.265862	
4	1	5	61.5			2.818251	
5	2	11	98.6	1224		3.302787	
6	3	16	84.4	1823	1351	4.069893	
7	2	17	78.9	1718		5.035621	
8	1	13	68.9			5.370398	
9	1	8	53			5.986686	
10	2	15	63.5	1354		6.790949	
11	2	15	82.5	1330		7.509773	
12	2	18	86	1603		7.8439	
13	3	14	71.1	1806	1122	8.781491	
14	1	10	81.8			8.850777	
15	2	15	73	1197		9.693277	
16	1	12	80.2			10.60819	
17	2	12	70	1727		10.851	
18	1	18	56			11.3965	

Statistics 14 (ChirpCenter Frequency: 5494 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	5	70.5	1751		0.749577	1
1	2	6	52.5	1135		1.174026	
2	1	17	57.2			2.155435	
3	2	15	61.9	1828		2.883079	
4	1	15	72.8			3.383394	
5	3	10	69.1	1822	1100	4.065003	
6	1	20	84.2			5.145026	
7	2	12	77	1404		5.897281	
8	3	12	55	1054	1815	6.798457	
9	3	17	71.6	1072	1676	7.848765	
10	1	16	61.3			8.146532	
11	1	11	87.1			9.573552	
12	2	11	80.8	1915		9.896183	
13	2	6	64.4	1343		10.63378	
14	2	14	79.1	1060		11.65288	

Statistics 15 (ChirpCenter Frequency: 5502 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	18	75.8	1688	1572	0.061455	1
1	1	9	80.2			0.788411	
2	2	8	66.5	1153		1.673887	
3	3	18	92	1331	1417	2.782482	
4	2	14	82.2	1705		3.658683	
5	1	9	81.9			4.044793	
6	2	13	57.8	1012		4.975629	
7	3	17	58.5	1149	1863	5.422807	
8	1	14	62.5			6.17551	
9	1	7	56.7			7.234419	
10	3	16	76.9	1001	1778	7.574762	
11	2	8	90.9	1474		8.567692	
12	2	18	79.3	1404		9.045259	
13	1	7	98.5			9.799635	
14	2	20	62.9	1249		11.23115	
15	2	13	75.8	1853		11.39329	

Statistics 16 (ChirpCenter Frequency: 5500 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	14	77.7			0.834641	1
1	2	10	65	1552		1.256787	
2	1	7	81.6			1.917904	
3	2	6	74.4	1785		3.398883	
4	3	16	96.4	1906	1921	3.792812	
5	2	8	99.5	1099		5.094517	
6	1	18	81.3			6.265929	
7	3	9	62.8	1404	1911	6.704017	
8	2	14	60.8	1492		8.196388	
9	2	9	69.9	1820		8.790364	
10	2	15	51.8	1302		9.367659	
11	1	18	88.2			10.97515	
12	2	15	95.4	1786		11.82674	

Statistics 17 (ChirpCenter Frequency: 5517 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	13	60.3	1919		0.158894	1
1	2	12	57.3	1637		1.097144	
2	2	9	88	1322		2.387279	
3	2	5	53	1419		2.873846	
4	3	13	55.6	1477	1956	3.846325	
5	1	7	80.4			4.388289	
6	3	15	89.1	1065	1812	5.309328	
7	2	7	92.4	1512		6.200881	
8	2	7	80.7	1700		7.136016	
9	2	9	85.5	1337		7.538239	
10	2	19	83.6	1689		8.667168	
11	2	17	88.1	1240		9.338971	
12	2	18	82.8	1020		10.36137	
13	1	10	96			10.90869	
14	1	9	58.6			11.59263	

Statistics 18 (ChirpCenter Frequency: 5498 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	17	73.7	1495		0.847378	1
1	2	15	61.5	1088		1.455846	
2	3	17	68.1	1191	1221	1.909581	
3	1	6	72.3			3.306891	
4	2	19	99.6	1501		4.216348	
5	2	15	55	1130		4.886048	
6	1	6	75.5			5.827991	
7	3	6	67.8	1926	1840	6.555397	
8	1	19	96			7.108395	
9	2	18	70.2	1471		8.12263	
10	1	7	64.8			8.841863	
11	2	13	72	1124		10.19176	
12	3	17	87.6	1403	1645	10.76117	
13	1	20	78.9			11.62275	

Statistics 19 (ChirpCenter Frequency: 5504 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	14	95	1674		0.308361	1
1	3	7	67.8	1844	1903	1.192259	
2	3	13	64.9	1123	1487	1.506331	
3	2	16	94.2	1489		2.111103	
4	3	10	96.4	1486	1406	2.967544	
5	1	6	86.4			3.301018	
6	1	6	96.2			4.297275	
7	1	9	65.3			4.436288	
8	1	9	61.6			5.177481	
9	2	6	72.9	1316		5.784735	
10	2	15	52.5	1444		6.338719	
11	2	17	70.6	1416		7.435629	
12	3	18	82.3	1321	1457	7.918245	
13	2	16	73.1	1864		8.298264	
14	2	7	85.6	1230		8.98473	
15	2	17	65.5	1426		10.07794	
16	1	13	86			10.43254	
17	1	8	97.5			11.21556	
18	3	16	76.4	1653	1580	11.76065	

Statistics 20 (ChirpCenter Frequency: 5497 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	12	89.2	1581		0.606335	1
1	1	20	76.8			0.78752	
2	3	15	94.4	1261	1839	1.813351	
3	2	8	57.3	1855		2.841152	
4	2	15	91.8	1645		3.508952	
5	2	9	69.9	1666		3.887508	
6	2	18	77.7	1384		4.790801	
7	1	16	76			5.565975	
8	2	14	95.9	1171		6.446932	
9	3	14	87.1	1668	1671	6.803067	
10	2	5	98.8	1530		7.62843	
11	2	13	97.2	1455		8.281574	
12	1	9	62.3			9.603434	
13	2	16	90.7	1430		9.790055	
14	2	20	57.2	1420		11.20351	
15	2	15	97.9	1807		11.55407	

Statistics 21 (ChirpCenter Frequency: 5496 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	13	87.1	1100	1151	0.575049	1
1	1	16	53.3			0.890168	
2	2	11	98.8	1957		1.904382	
3	1	20	91.8			2.414233	
4	2	11	84.7	1908		3.245594	
5	2	12	87.1	1515		4.552481	
6	2	16	90.2	1194		5.168662	
7	3	14	69.3	1568	1899	6.383175	
8	3	12	75	1695	1452	6.447636	
9	2	15	50.8	1770		7.844835	
10	2	5	73	1522		8.713636	
11	2	18	72.5	1920		9.188379	
12	2	18	66.1	1656		9.984499	
13	2	13	96.9	1345		11.09805	
14	2	6	55.4	1707		11.24595	

Statistics 22 (ChirpCenter Frequency: 5495 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	13	52.6	1453	1191	0.953882	1
1	2	10	85.7	1975		2.021483	
2	2	9	80.6	1892		3.266458	
3	3	5	73.9	1210	1220	3.53776	
4	2	7	51.7	1268		4.842338	
5	1	10	85.2			5.617228	
6	1	17	77.3			7.450871	
7	1	15	60			7.976737	
8	2	18	84.1	1303		9.584718	
9	1	10	96.1			10.29147	
10	1	18	51.7			11.12451	

Statistics 23(ChirpCenter Frequency: 5503 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	7	86.6	1217		0.015569	1
1	2	11	76.3	1568		0.95774	
2	2	8	84.1	1202		1.881967	
3	3	17	52	1237	1244	2.001103	
4	3	18	83.9	1974	1555	2.795298	
5	3	11	50.6	1080	1697	3.243505	
6	2	9	86.7	1853		4.074609	
7	3	14	59	1091	1743	4.835252	
8	3	13	51.4	1881	1668	5.05962	
9	2	13	92.3	1601		5.77307	
10	3	20	84.7	1251	1268	6.703821	
11	1	19	99.6			7.036573	
12	3	17	80.4	1099	1055	7.876589	
13	2	8	58.5	1838		8.518721	
14	1	7	65.5			9.112495	
15	1	10	91.2			10.08688	
16	2	6	97.3	1434		10.13161	
17	2	10	73.6	1329		11.29229	
18	1	11	63.2			11.90508	

Statistics 24(ChirpCenter Frequency: 5501 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	10	51.6			0.138115	1
1	1	20	59.2			0.733568	
2	1	6	99.9			1.596041	
3	3	11	88.1	1476	1600	2.166422	
4	2	12	54.9	1065		3.056075	
5	3	10	90.2	1007	1523	3.909915	
6	3	6	86	1349	1136	4.035651	
7	2	12	71.5	1577		4.913909	
8	2	19	65.6	1380		5.74784	
9	2	16	86.6	1830		6.128603	
10	2	8	61.3	1476		6.740853	
11	2	12	72.9	1801		7.926338	
12	3	12	86	1889	1584	8.436872	
13	3	11	89.5	1983	1078	9.120057	
14	2	16	80.5	1908		9.41078	
15	2	16	72	1239		10.13624	
16	2	6	84.2	1286		10.68721	
17	2	7	85	1983		11.93471	

Statistics 25(ChirpCenter Frequency: 5500 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	11	82.7	1430	1214	0.235363	1
1	3	17	58.7	1778	1037	0.918377	
2	1	7	81.2			1.898375	
3	2	12	97.7	1742		2.520937	
4	1	11	91.2			3.406341	
5	1	14	64.6			4.082	
6	2	7	64.7	1633		4.300144	
7	1	13	72.9			5.556026	
8	2	16	67.6	1528		6.241899	
9	2	16	93.8	1136		6.423846	
10	3	14	85.3	1804	1095	7.565852	
11	3	11	62	1326	1126	8.222644	
12	1	9	83.8			9.100449	
13	1	12	89.2			9.315243	
14	2	20	54	1425		10.33603	
15	3	13	69.4	1542	1123	11.02954	
16	2	12	71	1159		11.84823	

Statistics 26 (ChirpCenter Frequency: 5495 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	7	63.2	1262	1448	0.236885	1
1	2	8	64	1980		1.248141	
2	3	15	52.8	1763	1484	1.683855	
3	1	10	72.5			2.53269	
4	3	16	86.2	1850	1963	3.140398	
5	2	10	91.2	1579		4.257965	
6	3	16	62.3	1926	1019	4.681439	
7	1	6	91.2			5.571545	
8	2	16	88.4	1576		6.143156	
9	3	14	88.5	1188	1003	6.895665	
10	1	17	73.9			8.032055	
11	3	7	81.4	1810	1114	8.614218	
12	3	10	85	1092	1112	9.675737	
13	2	5	74.2	1457		10.49411	
14	2	16	50.2	1127		10.72099	
15	2	8	76.3	1966		11.63169	

Statistics 27 (ChirpCenter Frequency: 5493 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	14	72.8	1730	1282	0.651871	1
1	3	10	87.9	1145	1895	1.661006	
2	3	15	92.9	1114	1509	2.34081	
3	1	18	73			3.866719	
4	2	13	84.4	1177		4.825496	
5	1	8	63.3			5.023121	
6	1	16	83.4			6.554666	
7	3	19	90.4	1353	1694	7.564696	
8	1	18	72.8			8.071737	
9	2	19	78.2	1214		9.291232	
10	2	15	70	1183		10.44181	
11	2	9	53.2	1652		11.65471	

Statistics 28 (ChirpCenter Frequency: 5494 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	7	71.7	1999	1706	0.309973	1
1	1	19	50.9			1.002727	
2	1	16	83.1			2.079938	
3	3	10	80.9	1318	1411	2.768627	
4	2	5	94.2	1393		3.323742	
5	2	9	80.5	1255		4.067622	
6	3	16	84.4	1106	1149	4.616465	
7	1	13	76.9			5.835386	
8	2	17	72.7	1225		6.439441	
9	3	15	52.3	1134	1041	7.109165	
10	1	20	60.8			8.019117	
11	3	9	98.4	1118	1463	8.946149	
12	2	19	59.9	1315		9.659994	
13	2	19	77.8	1535		10.23881	
14	3	19	50.9	1799	1034	11.13838	
15	2	15	58.7	1515		11.58072	

Statistics 29 (ChirpCenter Frequency: 5494 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	12	95.6	1946	1122	0.375329	
1	2	14	69.8	1908		2.595784	
2	2	6	50.2	1257		2.738739	
3	3	9	57.8	1290	1974	4.061676	
4	2	18	92.8	1528		6.165468	1
5	1	10	78.5			6.800898	
6	2	9	72.1	1041		8.6374	
7	3	16	80.9	1447	1690	9.759796	
8	3	5	68.2	1850	1145	11.94798	

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(S)	Detection (1:yes;0:no)
0	2	10	96.5	1431		0.851012	
1	2	6	91.3	1644		2.392564	
2	2	7	57	1562		3.037068	
3	2	19	74.6	1569		4.518289	
4	1	19	81.6			5.940056	1
5	3	15	74.4	1358	1303	6.978629	
6	2	10	86.4	1406		8.170169	
7	1	6	63.1			9.651841	
8	1	17	78.1			10.81864	

Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5500	9	1	333	1	5496.0, 5677.0, 5506.0, 5517.0, 5508.0, 5622.0, 5581.0, 5630.0, 5566.0, 5269.0, 5450.0, 5372.0, 5702.0, 5491.0, 5723.0, 5507.0, 5321.0, 5485.0, 5427.0, 5412.0, 5460.0, 5401.0, 5479.0, 5621.0, 5436.0, 5686.0, 5493.0, 5280.0, 5360.0, 5684.0, 5348.0, 5421.0, 5378.0, 5635.0, 5484.0, 5263.0, 5593.0, 5477.0, 5575.0, 5540.0, 5476.0, 5430.0, 5254.0, 5349.0, 5420.0, 5719.0, 5379.0, 5462.0, 5350.0, 5447.0, 5573.0, 5680.0, 5283.0, 5342.0, 5716.0, 5569.0, 5261.0, 5698.0, 5346.0, 5715.0, 5307.0, 5432.0, 5259.0, 5403.0, 5520.0, 5368.0, 5445.0, 5596.0, 5337.0, 5380.0, 5330.0, 5267.0, 5492.0, 5271.0, 5458.0, 5399.0, 5640.0, 5656.0, 5310.0, 5402.0, 5518.0, 5437.0, 5428.0, 5262.0, 5624.0, 5438.0, 5541.0, 5515.0, 5375.0, 5642.0, 5571.0, 5618.0, 5419.0, 5334.0, 5488.0, 5306.0, 5669.0, 5370.0, 5253.0, 5332.0 (number of hits: 7)
2	5500	9	1	333	1	5487.0, 5555.0, 5459.0, 5416.0, 5546.0, 5588.0, 5449.0, 5685.0, 5366.0, 5605.0, 5597.0, 5376.0, 5558.0, 5453.0, 5279.0, 5556.0, 5611.0, 5286.0, 5282.0, 5650.0, 5275.0, 5559.0, 5540.0, 5683.0, 5704.0, 5288.0, 5512.0, 5497.0, 5256.0, 5323.0, 5473.0, 5302.0, 5522.0, 5389.0, 5651.0, 5338.0, 5557.0, 5335.0, 5396.0, 5314.0, 5679.0, 5371.0, 5311.0, 5561.0, 5332.0, 5716.0, 5407.0, 5379.0, 5432.0, 5549.0, 5539.0, 5352.0, 5426.0, 5450.0, 5351.0, 5398.0, 5506.0, 5280.0, 5517.0, 5586.0, 5485.0, 5462.0, 5345.0, 5564.0, 5431.0, 5534.0, 5525.0, 5589.0, 5640.0, 5655.0, 5250.0, 5492.0, 5343.0, 5661.0, 5635.0, 5442.0, 5438.0, 5422.0, 5444.0, 5502.0, 5697.0, 5377.0, 5465.0, 5663.0, 5504.0, 5542.0, 5322.0, 5700.0, 5321.0, 5606.0, 5551.0, 5326.0, 5333.0, 5401.0, 5596.0, 5553.0, 5340.0, 5295.0, 5403.0, 5296.0 (number of hits: 5)
3	5500	9	1	333	1	5304.0, 5515.0, 5617.0, 5385.0, 5610.0, 5673.0, 5578.0, 5505.0, 5511.0, 5524.0, 5268.0, 5307.0, 5625.0, 5466.0, 5453.0, 5647.0, 5354.0, 5591.0, 5537.0, 5701.0, 5324.0, 5261.0, 5642.0, 5355.0, 5359.0, 5720.0, 5323.0, 5375.0, 5310.0, 5374.0, 5440.0, 5314.0, 5646.0, 5695.0, 5468.0, 5476.0, 5301.0, 5270.0, 5690.0, 5699.0, 5548.0, 5674.0, 5655.0, 5346.0, 5484.0, 5627.0, 5309.0, 5681.0, 5367.0, 5712.0, 5293.0, 5543.0, 5443.0, 5470.0, 5288.0, 5703.0, 5397.0, 5716.0, 5672.0, 5637.0,

						5694.0, 5449.0, 5614.0, 5676.0, 5722.0, 5502.0, 5649.0, 5285.0, 5503.0, 5403.0, 5487.0, 5608.0, 5471.0, 5345.0, 5408.0, 5551.0, 5327.0, 5325.0, 5714.0, 5598.0, 5330.0, 5370.0, 5357.0, 5547.0, 5483.0, 5264.0, 5298.0, 5545.0, 5317.0, 5630.0, 5641.0, 5413.0, 5573.0, 5620.0, 5407.0, 5394.0, 5587.0, 5458.0, 5519.0, 5412.0 (number of hits: 3)
4	5500	9	1	333	1	5511.0, 5551.0, 5604.0, 5596.0, 5252.0, 5446.0, 5292.0, 5397.0, 5522.0, 5623.0, 5586.0, 5658.0, 5685.0, 5668.0, 5298.0, 5608.0, 5589.0, 5583.0, 5392.0, 5694.0, 5528.0, 5325.0, 5303.0, 5693.0, 5487.0, 5352.0, 5317.0, 5480.0, 5365.0, 5595.0, 5288.0, 5622.0, 5375.0, 5510.0, 5557.0, 5508.0, 5264.0, 5426.0, 5399.0, 5504.0, 5648.0, 5337.0, 5474.0, 5309.0, 5616.0, 5686.0, 5712.0, 5533.0, 5304.0, 5535.0, 5481.0, 5368.0, 5512.0, 5355.0, 5652.0, 5293.0, 5341.0, 5524.0, 5326.0, 5618.0, 5354.0, 5415.0, 5385.0, 5638.0, 5328.0, 5315.0, 5703.0, 5388.0, 5527.0, 5578.0, 5471.0, 5592.0, 5321.0, 5503.0, 5263.0, 5655.0, 5650.0, 5667.0, 5632.0, 5411.0, 5591.0, 5496.0, 5444.0, 5499.0, 5312.0, 5598.0, 5642.0, 5517.0, 5572.0, 5266.0, 5425.0, 5489.0, 5520.0, 5314.0, 5602.0, 5279.0, 5631.0, 5322.0, 5500.0, 5466.0 (number of hits: 6)
5	5500	9	1	333	1	5713.0, 5339.0, 5633.0, 5320.0, 5274.0, 5688.0, 5489.0, 5607.0, 5641.0, 5611.0, 5723.0, 5644.0, 5456.0, 5411.0, 5584.0, 5349.0, 5423.0, 5431.0, 5640.0, 5626.0, 5571.0, 5366.0, 5468.0, 5601.0, 5421.0, 5572.0, 5652.0, 5457.0, 5703.0, 5290.0, 5548.0, 5348.0, 5367.0, 5499.0, 5454.0, 5629.0, 5602.0, 5373.0, 5406.0, 5334.0, 5405.0, 5662.0, 5632.0, 5299.0, 5556.0, 5498.0, 5508.0, 5668.0, 5459.0, 5577.0, 5350.0, 5413.0, 5695.0, 5363.0, 5253.0, 5569.0, 5592.0, 5709.0, 5462.0, 5308.0, 5604.0, 5370.0, 5495.0, 5669.0, 5416.0, 5706.0, 5622.0, 5643.0, 5264.0, 5547.0, 5574.0, 5590.0, 5720.0, 5275.0, 5435.0, 5705.0, 5467.0, 5680.0, 5698.0, 5545.0, 5323.0, 5473.0, 5439.0, 5265.0, 5451.0, 5466.0, 5704.0, 5396.0, 5469.0, 5307.0, 5659.0, 5551.0, 5417.0, 5418.0, 5267.0, 5272.0, 5683.0, 5711.0, 5302.0, 5710.0 (number of hits: 4)
6	5500	9	1	333	1	5600.0, 5319.0, 5705.0, 5615.0, 5303.0, 5442.0, 5666.0, 5278.0, 5569.0, 5640.0, 5524.0, 5474.0, 5517.0, 5722.0, 5354.0, 5290.0, 5659.0, 5294.0, 5620.0, 5610.0, 5331.0, 5298.0, 5576.0, 5332.0, 5646.0, 5545.0, 5330.0, 5272.0, 5543.0, 5546.0, 5438.0, 5477.0, 5491.0, 5561.0, 5685.0, 5534.0, 5614.0, 5432.0, 5419.0, 5710.0,

						5407.0, 5399.0, 5252.0, 5464.0, 5284.0, 5647.0, 5471.0, 5405.0, 5411.0, 5300.0, 5418.0, 5403.0, 5292.0, 5424.0, 5433.0, 5355.0, 5374.0, 5499.0, 5390.0, 5654.0, 5406.0, 5554.0, 5523.0, 5717.0, 5559.0, 5253.0, 5467.0, 5547.0, 5304.0, 5590.0, 5598.0, 5475.0, 5391.0, 5526.0, 5329.0, 5385.0, 5435.0, 5688.0, 5371.0, 5408.0, 5420.0, 5626.0, 5594.0, 5251.0, 5664.0, 5455.0, 5592.0, 5431.0, 5661.0, 5380.0, 5630.0, 5713.0, 5603.0, 5508.0, 5632.0, 5694.0, 5448.0, 5487.0, 5318.0, 5518.0 (number of hits: 3)
7	5500	9	1	333	1	5522.0, 5523.0, 5648.0, 5593.0, 5609.0, 5557.0, 5683.0, 5589.0, 5499.0, 5261.0, 5628.0, 5463.0, 5507.0, 5375.0, 5491.0, 5388.0, 5369.0, 5267.0, 5285.0, 5495.0, 5413.0, 5329.0, 5446.0, 5283.0, 5603.0, 5531.0, 5332.0, 5448.0, 5394.0, 5534.0, 5296.0, 5428.0, 5519.0, 5590.0, 5460.0, 5528.0, 5287.0, 5635.0, 5401.0, 5617.0, 5258.0, 5410.0, 5665.0, 5510.0, 5709.0, 5321.0, 5427.0, 5515.0, 5304.0, 5722.0, 5347.0, 5614.0, 5623.0, 5276.0, 5281.0, 5581.0, 5684.0, 5480.0, 5403.0, 5393.0, 5585.0, 5674.0, 5288.0, 5271.0, 5380.0, 5605.0, 5266.0, 5355.0, 5282.0, 5702.0, 5559.0, 5580.0, 5327.0, 5501.0, 5331.0, 5647.0, 5542.0, 5558.0, 5257.0, 5256.0, 5444.0, 5716.0, 5376.0, 5611.0, 5357.0, 5297.0, 5272.0, 5651.0, 5469.0, 5660.0, 5513.0, 5483.0, 5571.0, 5708.0, 5274.0, 5431.0, 5664.0, 5675.0, 5588.0, 5707.0 (number of hits: 5)
8	5500	9	1	333	1	5332.0, 5629.0, 5552.0, 5277.0, 5528.0, 5285.0, 5384.0, 5258.0, 5424.0, 5587.0, 5343.0, 5304.0, 5578.0, 5452.0, 5714.0, 5591.0, 5345.0, 5344.0, 5649.0, 5680.0, 5671.0, 5534.0, 5341.0, 5350.0, 5570.0, 5619.0, 5666.0, 5310.0, 5318.0, 5389.0, 5279.0, 5426.0, 5436.0, 5264.0, 5701.0, 5469.0, 5532.0, 5380.0, 5367.0, 5349.0, 5319.0, 5508.0, 5687.0, 5496.0, 5381.0, 5628.0, 5485.0, 5673.0, 5278.0, 5540.0, 5420.0, 5723.0, 5397.0, 5502.0, 5720.0, 5513.0, 5558.0, 5668.0, 5609.0, 5509.0, 5297.0, 5296.0, 5670.0, 5283.0, 5250.0, 5459.0, 5518.0, 5287.0, 5627.0, 5445.0, 5647.0, 5410.0, 5466.0, 5487.0, 5256.0, 5331.0, 5286.0, 5624.0, 5368.0, 5353.0, 5538.0, 5476.0, 5696.0, 5660.0, 5477.0, 5562.0, 5699.0, 5707.0, 5280.0, 5328.0, 5634.0, 5654.0, 5254.0, 5717.0, 5577.0, 5369.0, 5317.0, 5352.0, 5559.0, 5481.0 (number of hits: 4)
9	5500	9	1	333	1	5288.0, 5441.0, 5349.0, 5506.0, 5276.0, 5407.0, 5414.0, 5581.0, 5419.0, 5387.0, 5461.0, 5308.0, 5271.0, 5457.0, 5556.0, 5502.0, 5580.0, 5393.0, 5463.0, 5695.0,

						5634.0, 5662.0, 5283.0, 5524.0, 5443.0, 5299.0, 5708.0, 5690.0, 5294.0, 5512.0, 5437.0, 5501.0, 5629.0, 5711.0, 5290.0, 5514.0, 5640.0, 5312.0, 5280.0, 5555.0, 5323.0, 5616.0, 5588.0, 5284.0, 5268.0, 5436.0, 5477.0, 5360.0, 5368.0, 5518.0, 5610.0, 5392.0, 5465.0, 5631.0, 5302.0, 5642.0, 5411.0, 5334.0, 5336.0, 5339.0, 5446.0, 5689.0, 5442.0, 5384.0, 5346.0, 5598.0, 5591.0, 5479.0, 5612.0, 5504.0, 5464.0, 5388.0, 5449.0, 5263.0, 5633.0, 5509.0, 5564.0, 5703.0, 5395.0, 5528.0, 5566.0, 5426.0, 5447.0, 5295.0, 5714.0, 5542.0, 5259.0, 5335.0, 5618.0, 5611.0, 5367.0, 5422.0, 5396.0, 5593.0, 5668.0, 5493.0, 5654.0, 5456.0, 5269.0, 5665.0 (number of hits: 6)
10	5500	9	1	333	1	5456.0, 5646.0, 5350.0, 5551.0, 5533.0, 5266.0, 5601.0, 5515.0, 5694.0, 5322.0, 5527.0, 5453.0, 5283.0, 5320.0, 5624.0, 5365.0, 5307.0, 5526.0, 5433.0, 5577.0, 5522.0, 5588.0, 5388.0, 5337.0, 5496.0, 5509.0, 5386.0, 5560.0, 5677.0, 5539.0, 5287.0, 5615.0, 5704.0, 5640.0, 5660.0, 5281.0, 5369.0, 5663.0, 5419.0, 5700.0, 5648.0, 5412.0, 5478.0, 5352.0, 5534.0, 5451.0, 5463.0, 5294.0, 5547.0, 5364.0, 5566.0, 5630.0, 5554.0, 5699.0, 5644.0, 5697.0, 5372.0, 5450.0, 5570.0, 5278.0, 5641.0, 5571.0, 5358.0, 5477.0, 5489.0, 5295.0, 5602.0, 5472.0, 5545.0, 5524.0, 5316.0, 5338.0, 5702.0, 5555.0, 5580.0, 5672.0, 5721.0, 5290.0, 5628.0, 5510.0, 5482.0, 5406.0, 5464.0, 5557.0, 5633.0, 5683.0, 5426.0, 5441.0, 5653.0, 5650.0, 5390.0, 5634.0, 5345.0, 5319.0, 5608.0, 5564.0, 5251.0, 5550.0, 5652.0, 5454.0 (number of hits: 2)
11	5500	9	1	333	1	5695.0, 5459.0, 5536.0, 5401.0, 5714.0, 5615.0, 5322.0, 5672.0, 5492.0, 5362.0, 5397.0, 5472.0, 5484.0, 5517.0, 5498.0, 5319.0, 5510.0, 5607.0, 5559.0, 5616.0, 5356.0, 5561.0, 5276.0, 5468.0, 5489.0, 5428.0, 5528.0, 5385.0, 5639.0, 5256.0, 5318.0, 5596.0, 5625.0, 5500.0, 5587.0, 5603.0, 5633.0, 5541.0, 5439.0, 5473.0, 5352.0, 5504.0, 5641.0, 5486.0, 5372.0, 5381.0, 5722.0, 5716.0, 5496.0, 5308.0, 5273.0, 5691.0, 5380.0, 5606.0, 5678.0, 5568.0, 5699.0, 5354.0, 5357.0, 5579.0, 5668.0, 5608.0, 5549.0, 5554.0, 5571.0, 5635.0, 5339.0, 5378.0, 5399.0, 5550.0, 5432.0, 5578.0, 5387.0, 5627.0, 5654.0, 5580.0, 5253.0, 5393.0, 5640.0, 5281.0, 5514.0, 5327.0, 5445.0, 5304.0, 5311.0, 5557.0, 5456.0, 5610.0, 5638.0, 5433.0, 5374.0, 5363.0, 5293.0, 5621.0, 5411.0, 5647.0, 5284.0, 5598.0, 5693.0, 5360.0 (number of hits: 5)

12	5500	9	1	333	1	5475.0, 5281.0, 5433.0, 5389.0, 5673.0, 5556.0, 5263.0, 5251.0, 5286.0, 5492.0, 5539.0, 5436.0, 5413.0, 5382.0, 5694.0, 5355.0, 5319.0, 5663.0, 5686.0, 5403.0, 5425.0, 5634.0, 5687.0, 5422.0, 5545.0, 5486.0, 5577.0, 5533.0, 5337.0, 5462.0, 5580.0, 5555.0, 5576.0, 5290.0, 5484.0, 5322.0, 5723.0, 5704.0, 5405.0, 5677.0, 5696.0, 5332.0, 5616.0, 5451.0, 5392.0, 5613.0, 5341.0, 5474.0, 5292.0, 5269.0, 5614.0, 5598.0, 5358.0, 5343.0, 5455.0, 5323.0, 5354.0, 5682.0, 5367.0, 5412.0, 5643.0, 5508.0, 5399.0, 5476.0, 5628.0, 5569.0, 5374.0, 5272.0, 5665.0, 5404.0, 5253.0, 5313.0, 5329.0, 5675.0, 5466.0, 5540.0, 5384.0, 5718.0, 5273.0, 5490.0, 5684.0, 5318.0, 5651.0, 5282.0, 5639.0, 5676.0, 5394.0, 5326.0, 5584.0, 5654.0, 5560.0, 5338.0, 5420.0, 5314.0, 5448.0, 5534.0, 5516.0, 5547.0, 5328.0, 5288.0 (number of hits: 3)
13	5500	9	1	333	1	5301.0, 5323.0, 5287.0, 5402.0, 5637.0, 5567.0, 5639.0, 5565.0, 5384.0, 5370.0, 5320.0, 5435.0, 5721.0, 5423.0, 5681.0, 5697.0, 5344.0, 5724.0, 5351.0, 5345.0, 5485.0, 5510.0, 5379.0, 5527.0, 5564.0, 5642.0, 5279.0, 5621.0, 5255.0, 5669.0, 5535.0, 5627.0, 5617.0, 5718.0, 5656.0, 5514.0, 5675.0, 5312.0, 5581.0, 5708.0, 5664.0, 5375.0, 5531.0, 5362.0, 5543.0, 5671.0, 5653.0, 5431.0, 5634.0, 5580.0, 5353.0, 5670.0, 5261.0, 5688.0, 5623.0, 5603.0, 5300.0, 5270.0, 5388.0, 5481.0, 5453.0, 5657.0, 5584.0, 5332.0, 5317.0, 5686.0, 5450.0, 5608.0, 5264.0, 5599.0, 5701.0, 5278.0, 5525.0, 5311.0, 5606.0, 5568.0, 5413.0, 5286.0, 5377.0, 5449.0, 5630.0, 5416.0, 5709.0, 5475.0, 5668.0, 5316.0, 5541.0, 5430.0, 5607.0, 5331.0, 5546.0, 5536.0, 5302.0, 5491.0, 5486.0, 5659.0, 5257.0, 5406.0, 5585.0, 5515.0 (number of hits: 1)
14	5500	9	1	333	1	5691.0, 5473.0, 5469.0, 5475.0, 5614.0, 5602.0, 5351.0, 5642.0, 5717.0, 5321.0, 5353.0, 5626.0, 5375.0, 5363.0, 5322.0, 5449.0, 5316.0, 5722.0, 5411.0, 5515.0, 5688.0, 5719.0, 5445.0, 5495.0, 5575.0, 5294.0, 5365.0, 5666.0, 5674.0, 5390.0, 5305.0, 5651.0, 5548.0, 5591.0, 5512.0, 5333.0, 5562.0, 5392.0, 5275.0, 5347.0, 5508.0, 5712.0, 5399.0, 5439.0, 5506.0, 5608.0, 5312.0, 5687.0, 5404.0, 5372.0, 5304.0, 5677.0, 5395.0, 5528.0, 5695.0, 5268.0, 5319.0, 5380.0, 5429.0, 5421.0, 5701.0, 5497.0, 5546.0, 5606.0, 5360.0, 5611.0, 5605.0, 5499.0, 5410.0, 5400.0, 5369.0, 5295.0, 5482.0, 5302.0, 5684.0, 5461.0, 5721.0, 5619.0, 5329.0, 5385.0, 5572.0, 5514.0, 5533.0, 5659.0, 5287.0, 5396.0, 5313.0, 5699.0, 5265.0, 5523.0,

						5480.0, 5689.0, 5558.0, 5274.0, 5266.0, 5436.0, 5561.0, 5664.0, 5667.0, 5581.0 (number of hits: 5)
15	5500	9	1	333	1	5400.0, 5643.0, 5471.0, 5326.0, 5581.0, 5687.0, 5265.0, 5469.0, 5554.0, 5324.0, 5635.0, 5414.0, 5421.0, 5457.0, 5563.0, 5422.0, 5284.0, 5722.0, 5461.0, 5454.0, 5304.0, 5440.0, 5535.0, 5387.0, 5373.0, 5465.0, 5710.0, 5608.0, 5579.0, 5321.0, 5620.0, 5574.0, 5502.0, 5405.0, 5397.0, 5302.0, 5602.0, 5567.0, 5418.0, 5549.0, 5702.0, 5642.0, 5684.0, 5251.0, 5267.0, 5365.0, 5628.0, 5674.0, 5309.0, 5433.0, 5555.0, 5646.0, 5477.0, 5621.0, 5358.0, 5651.0, 5483.0, 5411.0, 5254.0, 5347.0, 5617.0, 5389.0, 5493.0, 5678.0, 5690.0, 5515.0, 5692.0, 5432.0, 5449.0, 5361.0, 5323.0, 5386.0, 5285.0, 5363.0, 5462.0, 5565.0, 5327.0, 5270.0, 5452.0, 5593.0, 5679.0, 5618.0, 5377.0, 5624.0, 5657.0, 5424.0, 5653.0, 5402.0, 5445.0, 5669.0, 5644.0, 5537.0, 5590.0, 5629.0, 5372.0, 5379.0, 5619.0, 5297.0, 5259.0, 5306.0 (number of hits: 2)
16	5500	9	1	333	1	5680.0, 5276.0, 5710.0, 5468.0, 5605.0, 5472.0, 5583.0, 5332.0, 5271.0, 5636.0, 5445.0, 5521.0, 5638.0, 5520.0, 5359.0, 5579.0, 5321.0, 5632.0, 5477.0, 5399.0, 5304.0, 5684.0, 5446.0, 5283.0, 5568.0, 5706.0, 5397.0, 5294.0, 5595.0, 5252.0, 5333.0, 5257.0, 5448.0, 5334.0, 5391.0, 5436.0, 5689.0, 5654.0, 5269.0, 5353.0, 5389.0, 5371.0, 5380.0, 5529.0, 5415.0, 5640.0, 5621.0, 5546.0, 5627.0, 5591.0, 5303.0, 5713.0, 5606.0, 5481.0, 5279.0, 5364.0, 5373.0, 5480.0, 5631.0, 5649.0, 5498.0, 5487.0, 5556.0, 5512.0, 5335.0, 5266.0, 5576.0, 5527.0, 5325.0, 5406.0, 5618.0, 5444.0, 5651.0, 5494.0, 5660.0, 5523.0, 5535.0, 5379.0, 5435.0, 5573.0, 5538.0, 5316.0, 5514.0, 5542.0, 5307.0, 5433.0, 5274.0, 5485.0, 5457.0, 5392.0, 5418.0, 5263.0, 5462.0, 5561.0, 5320.0, 5648.0, 5557.0, 5420.0, 5707.0, 5439.0 (number of hits: 2)
17	5500	9	1	333	1	5597.0, 5465.0, 5497.0, 5625.0, 5563.0, 5546.0, 5327.0, 5390.0, 5626.0, 5514.0, 5688.0, 5715.0, 5637.0, 5577.0, 5365.0, 5381.0, 5591.0, 5311.0, 5329.0, 5673.0, 5613.0, 5555.0, 5372.0, 5665.0, 5282.0, 5666.0, 5285.0, 5337.0, 5273.0, 5548.0, 5699.0, 5721.0, 5545.0, 5595.0, 5596.0, 5366.0, 5602.0, 5622.0, 5477.0, 5560.0, 5292.0, 5719.0, 5671.0, 5567.0, 5641.0, 5437.0, 5547.0, 5347.0, 5513.0, 5685.0, 5250.0, 5632.0, 5677.0, 5394.0, 5549.0, 5589.0, 5467.0, 5434.0, 5723.0, 5639.0, 5600.0, 5623.0, 5601.0, 5587.0, 5694.0, 5655.0, 5614.0, 5326.0, 5472.0, 5422.0, 5426.0, 5500.0, 5494.0, 5554.0, 5298.0,

						5660.0, 5711.0, 5592.0, 5510.0, 5371.0, 5396.0, 5657.0, 5645.0, 5533.0, 5264.0, 5338.0, 5433.0, 5599.0, 5468.0, 5683.0, 5377.0, 5418.0, 5354.0, 5686.0, 5663.0, 5269.0, 5344.0, 5288.0, 5525.0, 5698.0 (number of hits: 3)
18	5500	9	1	333	1	5361.0, 5624.0, 5516.0, 5467.0, 5430.0, 5281.0, 5437.0, 5509.0, 5577.0, 5585.0, 5393.0, 5414.0, 5383.0, 5382.0, 5597.0, 5612.0, 5251.0, 5258.0, 5255.0, 5363.0, 5502.0, 5268.0, 5349.0, 5428.0, 5645.0, 5646.0, 5528.0, 5662.0, 5398.0, 5539.0, 5599.0, 5256.0, 5500.0, 5297.0, 5392.0, 5375.0, 5436.0, 5346.0, 5658.0, 5504.0, 5605.0, 5371.0, 5607.0, 5457.0, 5598.0, 5419.0, 5390.0, 5664.0, 5272.0, 5619.0, 5321.0, 5279.0, 5688.0, 5677.0, 5288.0, 5610.0, 5558.0, 5435.0, 5711.0, 5508.0, 5704.0, 5364.0, 5606.0, 5559.0, 5296.0, 5533.0, 5641.0, 5433.0, 5631.0, 5468.0, 5332.0, 5589.0, 5706.0, 5687.0, 5654.0, 5431.0, 5471.0, 5469.0, 5507.0, 5460.0, 5447.0, 5463.0, 5514.0, 5560.0, 5470.0, 5402.0, 5309.0, 5459.0, 5328.0, 5594.0, 5299.0, 5389.0, 5368.0, 5660.0, 5586.0, 5300.0, 5686.0, 5696.0, 5724.0, 5596.0 (number of hits: 6)
19	5500	9	1	333	1	5448.0, 5535.0, 5647.0, 5657.0, 5323.0, 5687.0, 5519.0, 5522.0, 5644.0, 5437.0, 5531.0, 5478.0, 5643.0, 5611.0, 5309.0, 5551.0, 5655.0, 5528.0, 5349.0, 5256.0, 5393.0, 5251.0, 5697.0, 5457.0, 5573.0, 5440.0, 5319.0, 5288.0, 5612.0, 5722.0, 5354.0, 5464.0, 5571.0, 5346.0, 5311.0, 5413.0, 5370.0, 5415.0, 5278.0, 5466.0, 5680.0, 5438.0, 5542.0, 5343.0, 5626.0, 5328.0, 5529.0, 5690.0, 5504.0, 5512.0, 5608.0, 5695.0, 5376.0, 5483.0, 5682.0, 5419.0, 5283.0, 5316.0, 5632.0, 5434.0, 5333.0, 5449.0, 5570.0, 5715.0, 5441.0, 5681.0, 5720.0, 5724.0, 5339.0, 5420.0, 5554.0, 5341.0, 5459.0, 5331.0, 5524.0, 5562.0, 5546.0, 5666.0, 5432.0, 5296.0, 5416.0, 5507.0, 5584.0, 5536.0, 5587.0, 5451.0, 5368.0, 5265.0, 5271.0, 5601.0, 5289.0, 5268.0, 5559.0, 5499.0, 5355.0, 5634.0, 5461.0, 5381.0, 5410.0, 5399.0 (number of hits: 3)
20	5500	9	1	333	1	5459.0, 5411.0, 5666.0, 5595.0, 5377.0, 5519.0, 5358.0, 5633.0, 5652.0, 5673.0, 5567.0, 5287.0, 5467.0, 5687.0, 5329.0, 5542.0, 5458.0, 5535.0, 5530.0, 5450.0, 5274.0, 5347.0, 5629.0, 5428.0, 5341.0, 5338.0, 5614.0, 5680.0, 5573.0, 5404.0, 5540.0, 5628.0, 5375.0, 5468.0, 5298.0, 5369.0, 5337.0, 5469.0, 5506.0, 5674.0, 5528.0, 5653.0, 5711.0, 5693.0, 5279.0, 5721.0, 5442.0, 5723.0, 5444.0, 5578.0, 5414.0, 5407.0, 5452.0, 5399.0, 5557.0,

						5658.0, 5580.0, 5385.0, 5705.0, 5277.0, 5302.0, 5496.0, 5712.0, 5502.0, 5345.0, 5622.0, 5513.0, 5262.0, 5681.0, 5398.0, 5607.0, 5402.0, 5470.0, 5367.0, 5713.0, 5589.0, 5343.0, 5319.0, 5366.0, 5486.0, 5635.0, 5700.0, 5714.0, 5462.0, 5363.0, 5356.0, 5284.0, 5498.0, 5541.0, 5382.0, 5640.0, 5677.0, 5472.0, 5575.0, 5305.0, 5480.0, 5588.0, 5457.0, 5318.0, 5546.0 (number of hits: 4)
21	5500	9	1	333	1	5450.0, 5461.0, 5501.0, 5344.0, 5426.0, 5395.0, 5700.0, 5607.0, 5281.0, 5370.0, 5618.0, 5721.0, 5532.0, 5634.0, 5661.0, 5557.0, 5597.0, 5458.0, 5533.0, 5436.0, 5709.0, 5680.0, 5598.0, 5527.0, 5352.0, 5692.0, 5705.0, 5586.0, 5508.0, 5429.0, 5270.0, 5441.0, 5361.0, 5379.0, 5569.0, 5250.0, 5391.0, 5439.0, 5323.0, 5268.0, 5596.0, 5713.0, 5507.0, 5383.0, 5662.0, 5656.0, 5500.0, 5267.0, 5591.0, 5485.0, 5603.0, 5401.0, 5535.0, 5687.0, 5640.0, 5303.0, 5297.0, 5470.0, 5718.0, 5522.0, 5494.0, 5698.0, 5694.0, 5722.0, 5672.0, 5389.0, 5355.0, 5371.0, 5451.0, 5345.0, 5602.0, 5720.0, 5290.0, 5496.0, 5296.0, 5396.0, 5617.0, 5514.0, 5255.0, 5272.0, 5476.0, 5359.0, 5490.0, 5319.0, 5592.0, 5604.0, 5342.0, 5266.0, 5478.0, 5464.0, 5697.0, 5551.0, 5521.0, 5254.0, 5251.0, 5484.0, 5516.0, 5447.0, 5539.0, 5574.0 (number of hits: 7)
22	5500	9	1	333	1	5586.0, 5316.0, 5364.0, 5644.0, 5343.0, 5376.0, 5609.0, 5457.0, 5432.0, 5389.0, 5628.0, 5421.0, 5634.0, 5618.0, 5437.0, 5653.0, 5703.0, 5306.0, 5281.0, 5416.0, 5523.0, 5545.0, 5404.0, 5462.0, 5485.0, 5285.0, 5367.0, 5336.0, 5420.0, 5408.0, 5442.0, 5475.0, 5579.0, 5398.0, 5270.0, 5713.0, 5325.0, 5707.0, 5651.0, 5709.0, 5287.0, 5339.0, 5714.0, 5331.0, 5423.0, 5315.0, 5440.0, 5635.0, 5553.0, 5564.0, 5550.0, 5640.0, 5392.0, 5665.0, 5254.0, 5399.0, 5426.0, 5552.0, 5301.0, 5429.0, 5532.0, 5544.0, 5358.0, 5296.0, 5300.0, 5633.0, 5406.0, 5278.0, 5337.0, 5252.0, 5279.0, 5507.0, 5643.0, 5347.0, 5607.0, 5629.0, 5582.0, 5603.0, 5617.0, 5335.0, 5571.0, 5719.0, 5291.0, 5374.0, 5539.0, 5509.0, 5431.0, 5435.0, 5368.0, 5664.0, 5348.0, 5595.0, 5708.0, 5459.0, 5373.0, 5394.0, 5712.0, 5514.0, 5436.0, 5280.0 (number of hits: 2)
23	5500	9	1	333	1	5325.0, 5434.0, 5303.0, 5631.0, 5420.0, 5632.0, 5691.0, 5532.0, 5708.0, 5479.0, 5526.0, 5287.0, 5395.0, 5296.0, 5592.0, 5567.0, 5552.0, 5341.0, 5718.0, 5609.0, 5408.0, 5281.0, 5379.0, 5515.0, 5293.0, 5722.0, 5509.0, 5570.0, 5310.0, 5520.0, 5267.0, 5273.0, 5524.0, 5268.0, 5454.0,

						5457.0, 5334.0, 5305.0, 5551.0, 5537.0, 5419.0, 5345.0, 5277.0, 5642.0, 5623.0, 5689.0, 5619.0, 5461.0, 5672.0, 5323.0, 5571.0, 5572.0, 5566.0, 5507.0, 5553.0, 5453.0, 5469.0, 5601.0, 5417.0, 5337.0, 5309.0, 5664.0, 5314.0, 5622.0, 5484.0, 5628.0, 5473.0, 5478.0, 5440.0, 5630.0, 5586.0, 5492.0, 5415.0, 5702.0, 5396.0, 5476.0, 5308.0, 5657.0, 5693.0, 5409.0, 5370.0, 5656.0, 5437.0, 5608.0, 5418.0, 5680.0, 5307.0, 5574.0, 5330.0, 5259.0, 5253.0, 5620.0, 5477.0, 5333.0, 5274.0, 5251.0, 5508.0, 5600.0, 5528.0, 5498.0 (number of hits: 5)
24	5500	9	1	333	1	5538.0, 5399.0, 5423.0, 5567.0, 5596.0, 5618.0, 5407.0, 5627.0, 5443.0, 5576.0, 5628.0, 5392.0, 5545.0, 5684.0, 5476.0, 5463.0, 5354.0, 5698.0, 5493.0, 5296.0, 5396.0, 5437.0, 5336.0, 5351.0, 5353.0, 5330.0, 5458.0, 5431.0, 5579.0, 5484.0, 5384.0, 5434.0, 5612.0, 5299.0, 5404.0, 5487.0, 5314.0, 5380.0, 5300.0, 5359.0, 5535.0, 5321.0, 5350.0, 5563.0, 5269.0, 5504.0, 5261.0, 5337.0, 5638.0, 5451.0, 5677.0, 5626.0, 5554.0, 5452.0, 5347.0, 5381.0, 5665.0, 5632.0, 5271.0, 5643.0, 5283.0, 5254.0, 5410.0, 5510.0, 5553.0, 5478.0, 5472.0, 5435.0, 5661.0, 5631.0, 5516.0, 5693.0, 5409.0, 5569.0, 5518.0, 5496.0, 5303.0, 5712.0, 5720.0, 5667.0, 5302.0, 5686.0, 5377.0, 5616.0, 5588.0, 5583.0, 5265.0, 5414.0, 5268.0, 5621.0, 5614.0, 5346.0, 5702.0, 5287.0, 5327.0, 5378.0, 5574.0, 5257.0, 5494.0, 5709.0 (number of hits: 4)
25	5500	9	1	333	1	5361.0, 5555.0, 5657.0, 5305.0, 5482.0, 5331.0, 5299.0, 5454.0, 5284.0, 5563.0, 5411.0, 5465.0, 5532.0, 5698.0, 5496.0, 5306.0, 5654.0, 5604.0, 5530.0, 5615.0, 5488.0, 5344.0, 5533.0, 5360.0, 5403.0, 5431.0, 5317.0, 5709.0, 5503.0, 5683.0, 5326.0, 5499.0, 5272.0, 5258.0, 5369.0, 5263.0, 5343.0, 5535.0, 5525.0, 5260.0, 5417.0, 5660.0, 5337.0, 5542.0, 5366.0, 5379.0, 5287.0, 5385.0, 5679.0, 5281.0, 5594.0, 5446.0, 5612.0, 5371.0, 5653.0, 5293.0, 5409.0, 5473.0, 5680.0, 5631.0, 5335.0, 5435.0, 5398.0, 5468.0, 5314.0, 5504.0, 5278.0, 5290.0, 5318.0, 5579.0, 5294.0, 5376.0, 5367.0, 5304.0, 5619.0, 5438.0, 5553.0, 5596.0, 5329.0, 5285.0, 5374.0, 5671.0, 5543.0, 5471.0, 5578.0, 5620.0, 5377.0, 5569.0, 5324.0, 5609.0, 5519.0, 5310.0, 5491.0, 5459.0, 5412.0, 5586.0, 5363.0, 5676.0, 5255.0, 5309.0 (number of hits: 5)
26	5500	9	1	333	1	5469.0, 5291.0, 5429.0, 5569.0, 5679.0, 5712.0, 5281.0, 5312.0, 5394.0, 5445.0, 5497.0, 5454.0, 5464.0, 5518.0, 5350.0,

						5611.0, 5638.0, 5619.0, 5286.0, 5378.0, 5250.0, 5352.0, 5659.0, 5630.0, 5584.0, 5530.0, 5322.0, 5268.0, 5527.0, 5448.0, 5373.0, 5564.0, 5482.0, 5656.0, 5673.0, 5640.0, 5549.0, 5474.0, 5451.0, 5516.0, 5603.0, 5489.0, 5660.0, 5433.0, 5404.0, 5437.0, 5511.0, 5647.0, 5461.0, 5651.0, 5526.0, 5717.0, 5552.0, 5355.0, 5582.0, 5477.0, 5506.0, 5387.0, 5695.0, 5274.0, 5363.0, 5537.0, 5396.0, 5620.0, 5293.0, 5678.0, 5559.0, 5271.0, 5316.0, 5262.0, 5714.0, 5385.0, 5722.0, 5471.0, 5478.0, 5284.0, 5589.0, 5452.0, 5462.0, 5331.0, 5342.0, 5321.0, 5360.0, 5443.0, 5622.0, 5380.0, 5414.0, 5693.0, 5470.0, 5273.0, 5507.0, 5553.0, 5353.0, 5716.0, 5623.0, 5313.0, 5333.0, 5685.0, 5354.0, 5393.0 (number of hits: 3)
27	5500	9	1	333	1	5378.0, 5385.0, 5519.0, 5438.0, 5285.0, 5465.0, 5480.0, 5324.0, 5315.0, 5423.0, 5347.0, 5549.0, 5434.0, 5399.0, 5581.0, 5717.0, 5645.0, 5679.0, 5374.0, 5486.0, 5433.0, 5497.0, 5551.0, 5396.0, 5619.0, 5306.0, 5350.0, 5303.0, 5282.0, 5419.0, 5295.0, 5677.0, 5623.0, 5617.0, 5682.0, 5595.0, 5618.0, 5290.0, 5499.0, 5296.0, 5415.0, 5363.0, 5711.0, 5409.0, 5319.0, 5582.0, 5289.0, 5656.0, 5708.0, 5510.0, 5287.0, 5278.0, 5637.0, 5721.0, 5406.0, 5554.0, 5370.0, 5300.0, 5457.0, 5447.0, 5505.0, 5381.0, 5299.0, 5698.0, 5304.0, 5478.0, 5564.0, 5565.0, 5688.0, 5322.0, 5601.0, 5579.0, 5555.0, 5559.0, 5269.0, 5326.0, 5310.0, 5530.0, 5262.0, 5312.0, 5375.0, 5397.0, 5253.0, 5502.0, 5567.0, 5316.0, 5664.0, 5346.0, 5431.0, 5522.0, 5553.0, 5418.0, 5560.0, 5338.0, 5635.0, 5580.0, 5526.0, 5684.0, 5575.0, 5611.0 (number of hits: 4)
28	5500	9	1	333	1	5324.0, 5623.0, 5563.0, 5300.0, 5338.0, 5253.0, 5378.0, 5664.0, 5412.0, 5294.0, 5492.0, 5518.0, 5395.0, 5696.0, 5529.0, 5321.0, 5481.0, 5598.0, 5333.0, 5705.0, 5354.0, 5326.0, 5608.0, 5684.0, 5466.0, 5565.0, 5568.0, 5658.0, 5398.0, 5576.0, 5271.0, 5653.0, 5581.0, 5476.0, 5656.0, 5453.0, 5553.0, 5508.0, 5456.0, 5487.0, 5564.0, 5562.0, 5675.0, 5252.0, 5421.0, 5527.0, 5530.0, 5660.0, 5625.0, 5695.0, 5711.0, 5578.0, 5397.0, 5356.0, 5367.0, 5445.0, 5501.0, 5654.0, 5558.0, 5336.0, 5415.0, 5498.0, 5586.0, 5580.0, 5720.0, 5482.0, 5303.0, 5389.0, 5666.0, 5331.0, 5678.0, 5521.0, 5557.0, 5422.0, 5262.0, 5622.0, 5448.0, 5311.0, 5319.0, 5265.0, 5334.0, 5665.0, 5511.0, 5676.0, 5600.0, 5435.0, 5371.0, 5364.0, 5494.0, 5465.0, 5289.0, 5337.0, 5703.0, 5440.0, 5297.0, 5451.0, 5473.0, 5293.0, 5638.0, 5374.0 (number of hits: 5)

29	5500	9	1	333	1	5497.0, 5600.0, 5658.0, 5303.0, 5262.0, 5588.0, 5434.0, 5452.0, 5348.0, 5332.0, 5493.0, 5503.0, 5597.0, 5359.0, 5582.0, 5675.0, 5357.0, 5688.0, 5344.0, 5466.0, 5702.0, 5296.0, 5250.0, 5724.0, 5423.0, 5297.0, 5477.0, 5572.0, 5670.0, 5619.0, 5464.0, 5441.0, 5535.0, 5656.0, 5301.0, 5425.0, 5554.0, 5276.0, 5461.0, 5264.0, 5346.0, 5571.0, 5439.0, 5568.0, 5405.0, 5463.0, 5531.0, 5624.0, 5552.0, 5404.0, 5602.0, 5559.0, 5341.0, 5275.0, 5409.0, 5353.0, 5548.0, 5711.0, 5382.0, 5483.0, 5664.0, 5438.0, 5274.0, 5295.0, 5314.0, 5385.0, 5473.0, 5484.0, 5539.0, 5380.0, 5621.0, 5313.0, 5318.0, 5502.0, 5454.0, 5442.0, 5520.0, 5397.0, 5414.0, 5648.0, 5518.0, 5673.0, 5573.0, 5566.0, 5593.0, 5474.0, 5515.0, 5691.0, 5661.0, 5437.0, 5354.0, 5555.0, 5470.0, 5395.0, 5538.0, 5627.0, 5492.0, 5659.0, 5565.0, 5694.0 (number of hits: 5)
30	5500	9	1	333	1	5313.0, 5538.0, 5451.0, 5388.0, 5689.0, 5317.0, 5426.0, 5281.0, 5385.0, 5578.0, 5484.0, 5683.0, 5296.0, 5675.0, 5643.0, 5327.0, 5256.0, 5397.0, 5644.0, 5705.0, 5344.0, 5648.0, 5320.0, 5326.0, 5345.0, 5282.0, 5406.0, 5565.0, 5516.0, 5363.0, 5342.0, 5622.0, 5468.0, 5513.0, 5671.0, 5504.0, 5457.0, 5536.0, 5557.0, 5391.0, 5710.0, 5652.0, 5255.0, 5722.0, 5615.0, 5576.0, 5423.0, 5463.0, 5346.0, 5602.0, 5695.0, 5439.0, 5481.0, 5610.0, 5669.0, 5522.0, 5688.0, 5672.0, 5583.0, 5719.0, 5305.0, 5550.0, 5628.0, 5679.0, 5377.0, 5690.0, 5577.0, 5464.0, 5323.0, 5376.0, 5428.0, 5533.0, 5531.0, 5362.0, 5356.0, 5540.0, 5594.0, 5480.0, 5425.0, 5370.0, 5621.0, 5343.0, 5496.0, 5330.0, 5379.0, 5382.0, 5677.0, 5364.0, 5660.0, 5283.0, 5321.0, 5616.0, 5607.0, 5681.0, 5555.0, 5694.0, 5459.0, 5333.0, 5575.0, 5640.0 (number of hits: 2)

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	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	5510	92	1	578	1
2	5510	76	1	698	1
3	5510	63	1	838	1
4	5510	70	1	758	1
5	5510	59	1	898	1
6	5510	78	1	678	1
7	5510	74	1	718	1
8	5510	95	1	558	1
9	5510	57	1	938	1
10	5510	83	1	638	1
11	5510	72	1	738	1
12	5510	99	1	538	1
13	5510	67	1	798	1
14	5510	61	1	878	1
15	5510	58	1	918	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	18	1	2934	1
2	5510	32	1	1688	1
3	5510	79	1	674	1
4	5510	26	1	2091	1
5	5510	78	1	681	1
6	5510	73	1	731	1
7	5510	19	1	2817	1
8	5510	66	1	801	1
9	5510	44	1	1226	1
10	5510	44	1	1207	1
11	5510	57	1	936	1
12	5510	19	1	2895	1
13	5510	19	1	2868	1
14	5510	79	1	669	1
15	5510	25	1	2187	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	29	4.8	153	1
2	5510	25	4.9	152	1
3	5510	29	3.6	168	1
4	5510	29	3.1	198	1
5	5510	24	4.5	220	1
6	5510	24	3	220	1
7	5510	28	4.6	154	1
8	5510	27	3.8	226	1
9	5510	28	4.7	161	1
10	5510	26	1.3	214	1
11	5510	25	3.6	196	1
12	5510	24	2.2	170	1
13	5510	26	3.4	186	1
14	5510	27	2.9	206	1
15	5510	25	5	157	1
16	5510	29	2.7	150	1
17	5510	29	3.5	204	1
18	5510	28	2	225	1
19	5510	27	1.8	206	1
20	5510	26	4.5	171	1
21	5510	28	3.2	180	1
22	5510	28	2.8	230	1
23	5510	28	4.5	176	1
24	5510	29	3.2	169	1
25	5510	27	2.5	187	1
26	5510	28	2.2	179	1
27	5510	29	4.3	189	1
28	5510	26	2.2	179	1
29	5510	25	4.4	183	1
30	5510	23	3	185	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	16	8.3	280	1
2	5510	17	8.2	307	1
3	5510	18	6.5	430	1
4	5510	18	7.4	488	1
5	5510	17	6.9	467	1
6	5510	18	6.4	346	1
7	5510	16	6.8	474	1
8	5510	18	6.1	409	1
9	5510	17	8.2	329	1
10	5510	18	8.2	327	1
11	5510	16	8.9	256	1
12	5510	17	9.7	251	1
13	5510	17	8.7	322	1
14	5510	16	10	429	1
15	5510	17	7.3	337	1
16	5510	17	8.5	347	1
17	5510	17	8.7	247	1
18	5510	16	6.7	462	1
19	5510	16	8.1	205	1
20	5510	16	6.9	322	1
21	5510	18	7.1	482	1
22	5510	16	9.2	429	1
23	5510	16	9.1	428	1
24	5510	16	6.5	495	1
25	5510	16	6	477	1
26	5510	17	7	300	1
27	5510	17	7.1	311	1
28	5510	17	8.4	383	1
29	5510	16	7.5	499	1
30	5510	17	8.9	224	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	16	11	339	1
2	5510	15	11.1	437	1
3	5510	13	14	397	1
4	5510	12	14.2	458	1
5	5510	16	11	497	1
6	5510	15	13.3	439	1
7	5510	13	16	497	1
8	5510	12	17.8	335	1
9	5510	12	18.3	490	1
10	5510	14	16.1	281	1
11	5510	15	11	372	1
12	5510	13	12.3	462	1
13	5510	12	19.3	201	1
14	5510	15	19.8	229	1
15	5510	14	16.7	374	1
16	5510	12	17.1	423	1
17	5510	15	11.1	394	1
18	5510	14	13.6	339	1
19	5510	14	15.9	422	1
20	5510	14	18.5	405	1
21	5510	16	13.9	433	1
22	5510	12	18.5	236	1
23	5510	13	19.9	316	1
24	5510	13	18	353	1
25	5510	15	15.3	430	1
26	5510	13	14.9	430	1
27	5510	14	16.9	315	1
28	5510	14	14.6	308	1
29	5510	14	18.5	220	1
30	5510	15	11	212	1
Detection Percentage: 100 % (>60%)					

Radar Type 5 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5516 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	19	72.9	1755		0.139078	1
1	2	14	57.1	1833		1.002444	
2	2	11	81.9	1719		2.045507	
3	2	16	85.2	1106		3.486078	
4	3	9	67.7	1664	1527	4.82016	
5	3	14	91.9	1761	1870	5.510694	
6	2	6	65.6	1229		6.751799	
7	2	12	78.4	1971		7.722277	
8	2	14	51.4	1619		8.348479	
9	2	19	56	1683		9.558793	
10	3	14	84.3	1599	1534	10.64239	
11	2	7	84	1159		11.62697	

Statistics 2 (ChirpCenter Frequency: 5515 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	16	70.2	1629	1711	0.281045	1
1	2	18	96.2	1945		0.718205	
2	2	7	86.5	1964		2.025558	
3	3	16	69.1	1454	1409	2.622559	
4	1	13	53.7			3.502436	
5	3	11	98.7	1636	1980	4.182187	
6	2	13	56	1557		4.427318	
7	1	17	90.5			4.979982	
8	2	13	73.3	1990		5.807976	
9	1	12	86.8			6.745021	
10	2	13	51.7	1819		7.123645	
11	1	20	86.3			8.22679	
12	2	10	85.3	1634		8.984089	
13	2	17	80.3	1649		9.340828	
14	3	12	84.5	1530	1823	10.13345	
15	1	18	64.9			11.28832	
16	2	9	57.7	1391		11.351	

Statistics 3 (ChirpCenter Frequency: 5501 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	10	86.3	1069		0.193215	1
1	1	17	63.4			0.786606	
2	2	14	84.2	1454		1.450143	
3	3	17	60.1	1106	1387	2.727685	
4	1	19	85.1			3.062458	
5	3	9	93.2	1717	1717	4.036089	
6	1	16	68.6			4.465256	
7	3	7	85.7	1434	1062	5.120957	
8	3	12	66.3	1912	1545	5.875164	
9	2	17	78.8	1435		6.425861	
10	1	8	55			7.152116	
11	3	12	75.2	1129	1694	7.966781	
12	1	14	93.4			8.922547	
13	2	5	52.1	1429		9.834348	
14	2	9	66.5	1844		10.36285	
15	2	13	71.1	1787		11.08181	
16	2	16	61	1847		11.52353	

Statistics 4 (ChirpCenter Frequency: 5502 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	19	96.5	1226		0.417354	1
1	2	15	52	1036		1.911852	
2	3	7	98.2	1797	1147	2.259439	
3	2	6	72.5	1687		3.901123	
4	3	15	75.7	1754	1294	4.377161	
5	2	16	75.3	1115		6.408915	
6	1	7	78.4			7.548622	
7	3	8	64.3	1253	1747	8.474872	
8	2	12	99.8	1052		9.168018	
9	2	8	93.6	1434		10.56008	
10	2	15	93.5	1840		11.60656	

Statistics 5 (ChirpCenter Frequency: 5515 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	18	71.3	1910	1207	0.319485	
1	3	7	83.7	1906	1354	0.992952	
2	2	16	68.6	1827		1.512792	
3	2	17	99.5	1580		2.375113	
4	2	12	61.9	1696		3.040461	
5	3	14	92	1218	1340	4.142386	
6	1	17	83.4			4.838529	
7	2	16	60.2	1512		5.514906	
8	1	9	86.2			5.994087	1
9	2	17	77.9	1457		6.593607	
10	3	20	69.1	1035	1328	7.568475	
11	2	14	57.7	1868		8.432137	
12	3	17	67.9	1398	1920	8.483426	
13	2	14	95.4	1764		9.837988	
14	2	6	62.8	1846		10.01339	
15	1	7	80.6			11.2619	
16	1	14	87.8			11.76873	

Statistics 6 (ChirpCenter Frequency: 5501 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	6	78.9			0.231714	
1	3	19	67	1224	1535	0.737485	
2	2	10	96.8	1447		1.475983	
3	1	16	77.7			2.343303	
4	2	11	71.7	1994		3.009195	
5	2	9	91.1	1665		3.575842	
6	3	10	86.9	1153	1110	4.247217	
7	2	19	81.6	1121		5.019318	
8	2	16	79.4	1837		5.328429	
9	1	6	60			5.746805	1
10	1	12	96.5			6.686051	
11	3	18	58.9	1513	1622	7.467953	
12	3	18	65	1065	1672	7.809987	
13	2	14	61.4	1832		8.624607	
14	2	14	77.6	1673		9.292674	
15	3	15	65	1464	1485	9.985981	
16	3	9	94.4	1021	1679	10.63021	
17	3	13	88.6	1592	1698	11.17566	
18	2	6	88.7	1874		11.55387	

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(S)	Detection (1:yes;0:no)
0	3	12	78.3	1957	1279	0.239266	1
1	1	18	79.1			2.227409	
2	2	9	56.4	1599		4.308875	
3	2	13	54.1	1527		5.402701	
4	3	12	60.1	1765	1606	6.211729	
5	1	15	87.6			8.229674	
6	2	17	88.1	1425		10.03348	
7	1	8	62.6			10.52515	

Statistics 8 (ChirpCenter Frequency: 5513 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	7	50.4	1773		0.160142	1
1	2	14	57.9	1453		0.949193	
2	2	6	98.8	1883		2.227405	
3	3	16	75.7	1417	1858	2.427301	
4	2	19	80.7	1833		3.696897	
5	3	18	91.8	1844	1697	4.264605	
6	3	8	50.6	1689	1629	5.211932	
7	1	7	65			5.612464	
8	2	12	51	1103		7.104957	
9	3	8	50.4	1517	1581	7.922203	
10	2	14	76.5	1630		8.012864	
11	2	8	79.4	1116		9.368555	
12	1	6	81.9			9.899375	
13	1	15	66.7			10.82197	
14	2	16	70.1	1461		11.28521	

Statistics 9 (ChirpCenter Frequency: 5515 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	18	74.3	1224	1360	0.993688	1
1	3	15	74	1081	1519	1.909872	
2	1	18	86.8			2.880022	
3	1	11	51.5			3.688154	
4	1	6	91.4			5.775739	
5	3	7	85.9	1259	1309	6.40396	
6	1	19	90.3			7.287678	
7	2	14	82.2	1533		9.413051	
8	3	8	52.5	1215	1961	10.47323	
9	2	19	70.7	1639		11.79854	

Statistics 10 (ChirpCenter Frequency: 5515 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	18	74.3	1224	1360	0.993688	1
1	3	15	74	1081	1519	1.909872	
2	1	18	86.8			2.880022	
3	1	11	51.5			3.688154	
4	1	6	91.4			5.775739	
5	3	7	85.9	1259	1309	6.40396	
6	1	19	90.3			7.287678	
7	2	14	82.2	1533		9.413051	
8	3	8	52.5	1215	1961	10.47323	
9	2	19	70.7	1639		11.79854	

Statistics 11 (ChirpCenter Frequency: 5506 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	11	84.5	1619		0.262758	0
1	2	7	60.9	1169		1.330927	
2	2	19	53.1	1258		2.082895	
3	2	8	60.8	1780		2.672678	
4	3	20	91.8	1946	1393	3.725461	
5	2	9	94.2	1325		5.097391	
6	2	8	68.6	1455		5.365668	
7	3	14	94	1785	1337	6.590997	
8	2	19	78	1098		7.609552	
9	2	14	81.4	1271		7.7985	
10	1	16	92.3			9.014159	
11	3	15	78.6	1671	1304	9.935654	
12	2	19	61.2	1553		10.76224	
13	2	17	51.9	1015		11.98816	

Statistics 12 (ChirpCenter Frequency: 5508 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	10	72.4	1217		0.023575	1
1	3	17	78.8	1242	1920	0.824257	
2	2	8	97.4	1687		1.597222	
3	1	12	62.4			2.46935	
4	1	11	79.5			2.547712	
5	1	11	82.6			3.6447	
6	2	6	86.3	1140		4.308813	
7	2	12	80.7	1292		4.568443	
8	1	7	68.6			5.272416	
9	2	10	64.5	1093		5.926881	
10	3	12	80.7	1262	1619	6.452097	
11	2	17	64.8	1057		7.411849	
12	2	15	98.9	1401		7.692246	
13	2	8	80.7	1886		8.481784	
14	3	9	62.2	1484	1115	8.907328	
15	3	7	54.2	1245	1987	9.816432	
16	3	6	91.7	1044	1428	10.29244	
17	3	7	62.9	1372	1742	11.09091	
18	2	20	62.9	1303		11.60849	

Statistics 13 (ChirpCenter Frequency: 5503 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	20	80.8	1221		0.1939	1
1	2	11	58.3	1577		1.359644	
2	2	10	76.4	1611		2.496119	
3	2	12	83.1	1423		3.782677	
4	2	13	61.3	1578		4.992119	
5	2	19	67.1	1783		5.966852	
6	2	11	82	1730		6.433425	
7	2	12	56.2	1327		7.289193	
8	2	19	74.8	1224		8.347753	
9	2	14	68.5	1943		9.196037	
10	1	15	97.2			10.74744	
11	3	14	57.9	1556	1326	11.62439	

Statistics 14 (ChirpCenter Frequency: 5512 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	6	61.7			1.00741	1
1	2	9	54.7	1914		1.890441	
2	3	19	93.7	1225	1917	2.371349	
3	3	20	72.8	1021	1221	3.788924	
4	1	13	94			4.470888	
5	3	14	57.6	1008	1149	5.758974	
6	3	17	80.5	1452	1661	6.65873	
7	2	15	77.3	1706		8.072822	
8	2	8	57.2	1386		9.195785	
9	3	14	78.9	1884	1580	10.63239	
10	2	5	86.3	1386		11.51061	

Statistics 15 (ChirpCenter Frequency: 5502 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	8	95.9			0.204537	
1	1	17	92.3			1.383219	
2	1	20	73.8			3.740898	
3	1	18	70.6			4.350302	
4	2	16	70.4	1958		6.238553	1
5	3	9	51.1	1961	1857	7.890723	
6	1	9	84.4			9.045858	
7	2	5	92.6	1110		9.959185	
8	2	6	51	1531		11.95802	

Statistics 16 (ChirpCenter Frequency: 5500 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	19	87.8	1982		0.904672	
1	2	16	56.2	1846		1.485346	
2	2	14	59.7	1624		2.447282	
3	2	14	85.5	1901		3.662837	
4	1	13	78.2			4.395511	
5	2	18	62.1	1453		5.435854	
6	1	6	86.4			6.312535	1
7	3	5	59.2	1029	1053	7.05079	
8	3	7	97.1	1827	1553	7.838659	
9	2	18	72.2	1093		8.367979	
10	2	9	73.8	1519		10.06457	
11	2	6	60.1	1704		10.47227	
12	2	12	67.7	1685		11.3038	

Statistics 17 (ChirpCenter Frequency: 5509 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	14	74.4	1785	1253	0.27147	1
1	1	18	57.4			1.757635	
2	2	18	83.6	1032		2.676893	
3	2	13	70.9	1911		5.273606	
4	2	20	61	1777		6.26866	
5	2	9	68.6	1717		6.873067	
6	2	13	78.1	1434		8.338596	
7	1	15	62.2			9.722748	
8	2	5	71.2	1705		10.93068	

Statistics 18 (ChirpCenter Frequency: 5513 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	12	51.3	1852		0.100384	1
1	3	17	97.3	1090	1529	1.091479	
2	2	11	81	1289		1.996295	
3	2	6	79.3	1921		3.109186	
4	2	19	70.4	1384		4.199006	
5	2	18	87.7	1896		4.969685	
6	2	14	96	1433		5.684964	
7	1	15	51.4			6.558858	
8	2	12	87.8	1159		7.495735	
9	1	16	71.5			9.178106	
10	2	8	77.9	1333		9.487887	
11	3	18	84.5	1218	1888	10.4277	
12	2	10	73.9	1912		11.35015	

Statistics 19 (ChirpCenter Frequency: 5502 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	10	82.8	1306	1706	0.938302	1
1	3	7	79.4	1261	1705	1.330825	
2	2	14	100	1045		3.409128	
3	1	5	67.7			4.452733	
4	2	8	55.3	1382		4.885267	
5	3	12	95.3	1480	1321	6.419593	
6	1	13	90.5			8.086373	
7	1	9	88.3			9.329036	
8	1	17	85.3			9.895863	
9	3	19	90	1454	1985	11.56014	

Statistics 20 (ChirpCenter Frequency: 5517 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	7	90	1872		0.365085	1
1	3	11	74.4	1057	1052	0.828108	
2	2	17	93.9	1596		1.639884	
3	2	17	91.2	1217		2.224236	
4	2	11	79	1421		2.813937	
5	2	8	87.3	1343		3.756354	
6	2	12	65.3	1786		4.29773	
7	1	8	69.3			4.825586	
8	1	11	99.7			5.306959	
9	2	19	68.1	1538		5.861629	
10	3	20	90.2	1983	1148	6.855837	
11	2	15	97	1264		7.00651	
12	2	5	80.6	1811		8.164597	
13	3	15	78.8	1952	1465	8.715202	
14	2	8	92.8	1402		9.442951	
15	2	15	58.1	1898		9.582332	
16	3	11	66	1181	1801	10.45112	
17	2	7	75.9	1032		11.04497	
18	2	18	78.1	1224		11.98491	

Statistics 21 (ChirpCenter Frequency: 5598 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	14	96.4			1.231428	1
1	2	5	97	1142		2.377124	
2	2	14	56.9	1961		2.69769	
3	2	18	63.3	1111		4.632627	
4	2	7	57.7	1670		5.586199	
5	2	8	52.8	1712		7.534275	
6	1	16	80.2			9.040331	
7	2	19	79.1	1231		10.13477	
8	2	7	98.4	1126		11.56798	

Statistics 22 (ChirpCenter Frequency: 5503 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	15	83.4	1022		1.064865	1
1	3	11	98.4	1125	1151	2.01377	
2	1	19	56.8			3.306254	
3	1	13	93.3			4.504036	
4	2	18	59	1826		4.977073	
5	2	10	85.4	1742		6.081239	
6	3	7	57.9	1312	1092	7.54624	
7	2	15	78.7	1961		9.344229	
8	2	6	70.8	1278		9.936323	
9	3	7	82.8	1037	1126	11.76858	

Statistics 23(ChirpCenter Frequency: 5518 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	8	96.4			0.102091	1
1	2	13	94.9	1252		1.053862	
2	3	20	72.3	1063	1631	1.729741	
3	3	8	69.2	1227	1919	2.855834	
4	3	10	86.7	1647	1187	3.741537	
5	3	8	61.4	1743	1854	4.361718	
6	3	19	68.8	1716	1963	4.837073	
7	2	9	90.7	1244		5.715775	
8	2	11	84.8	1914		6.595219	
9	2	15	92.8	1281		6.938906	
10	1	16	76.9			8.09226	
11	1	9	68.6			8.280493	
12	2	15	60.6	1757		9.084077	
13	1	8	62			10.16176	
14	3	11	59.7	1718	1178	10.78858	
15	3	10	89.2	1108	1610	11.53062	

Statistics 24(ChirpCenter Frequency: 5510 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	7	83.4	1357		0.254471	1
1	3	11	59.5	1069	1033	1.661057	
2	2	18	77.4	1093		2.977106	
3	2	15	65.1	1732		3.134354	
4	2	7	74.8	1039		4.63012	
5	2	18	50.7	1833		5.617568	
6	2	6	84.1	1116		6.859839	
7	3	8	91.6	1191	1966	7.367829	
8	2	7	83.5	1538		8.569752	
9	2	7	87.2	1446		9.586476	
10	2	16	99.6	1630		10.46206	
11	2	15	73.8	1082		11.32991	

Statistics 25(ChirpCenter Frequency: 5514 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	9	81.5	1944	1708	0.392891	1
1	2	13	54.4	1495		2.447901	
2	2	12	80.7	1004		3.816557	
3	3	12	99.6	1101	1545	5.22868	
4	2	7	74	1661		7.049039	
5	2	15	56.7	1651		7.997094	
6	2	14	82.4	1608		9.186741	
7	2	19	78.9	1448		11.4801	

Statistics 26 (ChirpCenter Frequency: 5514 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	10	78	1241		0.319176	1
1	2	13	97.9	1462		1.038706	
2	1	17	91			2.066613	
3	2	10	66.1	1205		2.92072	
4	2	15	50.3	1946		3.831065	
5	2	17	90.7	1801		4.652854	
6	2	13	76.9	1180		5.349417	
7	2	8	82.6	1868		6.18732	
8	3	11	88	1511	1432	7.14058	
9	2	20	96.2	1664		7.931984	
10	1	10	64.1			9.081607	
11	2	13	98.7	1652		9.750325	
12	1	12	75.5			10.3697	
13	1	10	51.4			11.50587	

Statistics 27 (ChirpCenter Frequency: 5508 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	19	86.4			0.441622	1
1	1	18	76.6			1.846898	
2	2	6	76	1993		2.934984	
3	3	9	95.5	1661	1209	4.171001	
4	2	19	74.1	1743		4.42093	
5	3	11	52.3	1763	1371	6.316183	
6	3	5	62.4	1208	1958	7.280439	
7	3	15	89.5	1741	1827	8.452068	
8	1	5	92.1			9.447509	
9	2	14	61.8	1598		10.07878	
10	2	8	76.7	1026		11.5128	

Statistics 28 (ChirpCenter Frequency: 5511 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	20	99.5	1744		0.710569	1
1	2	17	91.5	1133		1.131959	
2	2	9	59.5	1690		2.213272	
3	2	20	80.3	1573		2.931054	
4	2	19	82.9	1658		3.307466	
5	1	12	90.8			4.155332	
6	2	19	71.1	1350		5.13571	
7	2	16	92.3	1827		5.254815	
8	3	12	60.1	1710	1059	6.651799	
9	2	6	67.3	1278		7.48357	
10	2	11	95.3	1081		7.738129	
11	2	19	53	1038		8.754425	
12	2	17	89	1631		9.503588	
13	1	15	94.4			9.975374	
14	3	11	67.6	1619	1463	10.74656	
15	2	12	78.2	1709		11.35657	

Statistics 29 (ChirpCenter Frequency: 5499 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	16	60.9	1045		0.25163	1
1	1	17	80.6			1.498595	
2	2	8	50.8	1939		2.210116	
3	1	18	52.8			3.989813	
4	1	19	53.1			4.939873	
5	2	12	88.4	1999		5.737087	
6	2	11	81.8	1000		6.325549	
7	2	18	70.2	1555		7.87246	
8	2	17	56.5	1835		8.065074	
9	3	10	95.8	1507	1881	9.643421	
10	3	10	90.1	1446	1154	10.49033	
11	2	7	69.6	1091		11.21277	

Statistics 30 (ChirpCenter Frequency: 5498 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	15	63.9	1949	1769	0.1613	1
1	3	19	77.8	1311	1843	0.838095	
2	1	11	92.1			1.232303	
3	2	8	73.4	1089		2.123044	
4	2	9	52.7	1895		2.896848	
5	1	9	54.5			3.327295	
6	1	5	58.8			4.08601	
7	2	7	86.3	1469		4.304766	
8	1	15	93.5			4.912125	
9	2	12	82.9	1099		5.753579	
10	2	18	79.3	1854		6.117735	
11	3	15	65.5	1531	1149	6.977607	
12	1	18	73.2			7.311303	
13	2	19	68.8	1977		8.182623	
14	3	10	70.7	1656	1287	8.859631	
15	2	18	99.5	1327		9.06304	
16	2	6	94	1561		9.857141	
17	3	15	56.6	1818	1140	10.70826	
18	2	18	74.2	1336		11.11294	
19	2	17	87.6	1050		11.57548	

Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5510	9	1	333	1	5381.0, 5312.0, 5456.0, 5325.0, 5720.0, 5405.0, 5595.0, 5531.0, 5299.0, 5373.0, 5274.0, 5343.0, 5487.0, 5706.0, 5427.0, 5294.0, 5426.0, 5445.0, 5384.0, 5330.0, 5453.0, 5419.0, 5279.0, 5489.0, 5691.0, 5307.0, 5632.0, 5331.0, 5276.0, 5580.0, 5493.0, 5553.0, 5646.0, 5323.0, 5660.0, 5616.0, 5278.0, 5670.0, 5484.0, 5255.0, 5609.0, 5543.0, 5322.0, 5710.0, 5364.0, 5262.0, 5290.0, 5471.0, 5440.0, 5651.0, 5671.0, 5309.0, 5586.0, 5446.0, 5395.0, 5508.0, 5657.0, 5537.0, 5518.0, 5377.0, 5354.0, 5329.0, 5361.0, 5665.0, 5394.0, 5385.0, 5492.0, 5499.0, 5548.0, 5695.0, 5270.0, 5418.0, 5367.0, 5318.0, 5407.0, 5619.0, 5355.0, 5375.0, 5503.0, 5480.0, 5541.0, 5390.0, 5689.0, 5488.0, 5606.0, 5347.0, 5584.0, 5300.0, 5353.0, 5401.0, 5257.0, 5556.0, 5644.0, 5455.0, 5296.0, 5311.0, 5723.0, 5344.0, 5675.0, 5362.0 (number of hits: 6)
2	5510	9	1	333	1	5477.0, 5628.0, 5500.0, 5495.0, 5720.0, 5606.0, 5651.0, 5488.0, 5681.0, 5502.0, 5574.0, 5271.0, 5526.0, 5390.0, 5445.0, 5592.0, 5430.0, 5448.0, 5566.0, 5409.0, 5388.0, 5498.0, 5402.0, 5486.0, 5345.0, 5450.0, 5643.0, 5535.0, 5267.0, 5674.0, 5456.0, 5611.0, 5623.0, 5466.0, 5588.0, 5348.0, 5723.0, 5721.0, 5449.0, 5619.0, 5508.0, 5421.0, 5689.0, 5544.0, 5554.0, 5511.0, 5291.0, 5580.0, 5283.0, 5691.0, 5280.0, 5469.0, 5633.0, 5419.0, 5563.0, 5708.0, 5698.0, 5489.0, 5649.0, 5420.0, 5365.0, 5439.0, 5672.0, 5546.0, 5713.0, 5687.0, 5645.0, 5663.0, 5353.0, 5540.0, 5363.0, 5538.0, 5438.0, 5686.0, 5506.0, 5346.0, 5537.0, 5503.0, 5431.0, 5715.0, 5294.0, 5437.0, 5309.0, 5591.0, 5718.0, 5494.0, 5362.0, 5464.0, 5583.0, 5360.0, 5515.0, 5661.0, 5671.0, 5329.0, 5556.0, 5321.0, 5559.0, 5481.0, 5617.0, 5485.0 (number of hits: 11)
3	5510	9	1	333	1	5334.0, 5320.0, 5599.0, 5537.0, 5305.0, 5267.0, 5406.0, 5567.0, 5634.0, 5671.0, 5696.0, 5426.0, 5593.0, 5582.0, 5631.0, 5715.0, 5308.0, 5252.0, 5288.0, 5407.0, 5504.0, 5611.0, 5380.0, 5363.0, 5432.0, 5708.0, 5670.0, 5633.0, 5296.0, 5530.0, 5397.0, 5464.0, 5379.0, 5499.0, 5371.0, 5538.0, 5420.0, 5571.0, 5310.0, 5354.0, 5607.0, 5684.0, 5638.0, 5519.0, 5461.0, 5523.0, 5381.0, 5550.0, 5277.0, 5646.0, 5570.0, 5645.0, 5375.0, 5609.0, 5568.0, 5598.0, 5488.0, 5329.0, 5265.0, 5343.0,

						5721.0, 5495.0, 5574.0, 5441.0, 5323.0, 5339.0, 5355.0, 5682.0, 5304.0, 5421.0, 5529.0, 5467.0, 5293.0, 5674.0, 5425.0, 5427.0, 5486.0, 5446.0, 5704.0, 5359.0, 5710.0, 5453.0, 5493.0, 5626.0, 5307.0, 5276.0, 5405.0, 5658.0, 5373.0, 5280.0, 5428.0, 5451.0, 5619.0, 5333.0, 5641.0, 5300.0, 5358.0, 5286.0, 5513.0, 5505.0 (number of hits: 9)
4	5510	9	1	333	1	5328.0, 5310.0, 5596.0, 5392.0, 5535.0, 5284.0, 5354.0, 5540.0, 5267.0, 5622.0, 5377.0, 5481.0, 5485.0, 5507.0, 5346.0, 5459.0, 5311.0, 5653.0, 5578.0, 5451.0, 5325.0, 5426.0, 5719.0, 5557.0, 5618.0, 5490.0, 5422.0, 5548.0, 5320.0, 5473.0, 5277.0, 5326.0, 5636.0, 5718.0, 5574.0, 5315.0, 5564.0, 5539.0, 5532.0, 5359.0, 5460.0, 5455.0, 5290.0, 5351.0, 5575.0, 5467.0, 5252.0, 5275.0, 5250.0, 5561.0, 5676.0, 5673.0, 5431.0, 5336.0, 5571.0, 5572.0, 5536.0, 5670.0, 5309.0, 5660.0, 5556.0, 5721.0, 5669.0, 5658.0, 5598.0, 5302.0, 5273.0, 5528.0, 5261.0, 5583.0, 5293.0, 5441.0, 5449.0, 5375.0, 5552.0, 5465.0, 5303.0, 5417.0, 5282.0, 5318.0, 5268.0, 5603.0, 5656.0, 5582.0, 5516.0, 5489.0, 5257.0, 5710.0, 5691.0, 5430.0, 5600.0, 5323.0, 5411.0, 5706.0, 5590.0, 5442.0, 5292.0, 5398.0, 5652.0, 5388.0 (number of hits: 4)
5	5510	9	1	333	1	5695.0, 5539.0, 5279.0, 5584.0, 5337.0, 5509.0, 5683.0, 5275.0, 5615.0, 5650.0, 5571.0, 5457.0, 5572.0, 5432.0, 5565.0, 5591.0, 5609.0, 5362.0, 5345.0, 5329.0, 5564.0, 5594.0, 5298.0, 5684.0, 5576.0, 5550.0, 5384.0, 5507.0, 5295.0, 5474.0, 5547.0, 5674.0, 5514.0, 5686.0, 5263.0, 5657.0, 5460.0, 5470.0, 5375.0, 5636.0, 5559.0, 5276.0, 5502.0, 5465.0, 5321.0, 5408.0, 5324.0, 5441.0, 5649.0, 5290.0, 5446.0, 5614.0, 5346.0, 5701.0, 5305.0, 5397.0, 5251.0, 5637.0, 5363.0, 5493.0, 5534.0, 5601.0, 5533.0, 5709.0, 5644.0, 5689.0, 5655.0, 5349.0, 5613.0, 5722.0, 5398.0, 5271.0, 5467.0, 5443.0, 5425.0, 5552.0, 5289.0, 5574.0, 5551.0, 5673.0, 5341.0, 5553.0, 5526.0, 5717.0, 5272.0, 5621.0, 5554.0, 5638.0, 5429.0, 5626.0, 5494.0, 5593.0, 5520.0, 5260.0, 5377.0, 5667.0, 5513.0, 5480.0, 5320.0, 5719.0 (number of hits: 9)
6	5510	9	1	333	1	5255.0, 5636.0, 5581.0, 5638.0, 5464.0, 5673.0, 5663.0, 5417.0, 5459.0, 5501.0, 5592.0, 5517.0, 5569.0, 5599.0, 5550.0, 5579.0, 5461.0, 5522.0, 5612.0, 5512.0, 5319.0, 5494.0, 5410.0, 5538.0, 5637.0, 5441.0, 5442.0, 5573.0, 5469.0, 5394.0, 5692.0, 5301.0, 5665.0, 5659.0, 5718.0, 5367.0, 5318.0, 5314.0, 5380.0, 5604.0,

						5407.0, 5270.0, 5682.0, 5668.0, 5472.0, 5697.0, 5618.0, 5342.0, 5487.0, 5627.0, 5386.0, 5643.0, 5278.0, 5705.0, 5455.0, 5363.0, 5645.0, 5308.0, 5607.0, 5710.0, 5285.0, 5675.0, 5317.0, 5286.0, 5382.0, 5613.0, 5568.0, 5586.0, 5518.0, 5254.0, 5671.0, 5691.0, 5641.0, 5275.0, 5603.0, 5388.0, 5264.0, 5614.0, 5489.0, 5405.0, 5364.0, 5284.0, 5420.0, 5294.0, 5639.0, 5458.0, 5606.0, 5504.0, 5293.0, 5369.0, 5717.0, 5546.0, 5465.0, 5430.0, 5483.0, 5622.0, 5556.0, 5373.0, 5265.0, 5656.0 (number of hits: 7)
7	5510	9	1	333	1	5644.0, 5517.0, 5583.0, 5489.0, 5384.0, 5347.0, 5394.0, 5472.0, 5313.0, 5270.0, 5626.0, 5710.0, 5342.0, 5379.0, 5391.0, 5387.0, 5360.0, 5499.0, 5498.0, 5536.0, 5414.0, 5604.0, 5632.0, 5652.0, 5282.0, 5494.0, 5680.0, 5322.0, 5325.0, 5497.0, 5392.0, 5337.0, 5406.0, 5479.0, 5516.0, 5545.0, 5345.0, 5376.0, 5672.0, 5399.0, 5506.0, 5327.0, 5375.0, 5351.0, 5714.0, 5568.0, 5454.0, 5350.0, 5336.0, 5396.0, 5719.0, 5648.0, 5635.0, 5651.0, 5464.0, 5338.0, 5580.0, 5312.0, 5602.0, 5432.0, 5523.0, 5281.0, 5304.0, 5559.0, 5288.0, 5560.0, 5495.0, 5326.0, 5286.0, 5341.0, 5305.0, 5311.0, 5705.0, 5253.0, 5331.0, 5474.0, 5301.0, 5596.0, 5584.0, 5382.0, 5362.0, 5473.0, 5441.0, 5688.0, 5265.0, 5309.0, 5550.0, 5694.0, 5302.0, 5529.0, 5411.0, 5332.0, 5641.0, 5548.0, 5496.0, 5712.0, 5314.0, 5613.0, 5257.0, 5277.0 (number of hits: 11)
8	5510	9	1	333	1	5291.0, 5583.0, 5689.0, 5666.0, 5356.0, 5558.0, 5649.0, 5404.0, 5275.0, 5463.0, 5318.0, 5314.0, 5697.0, 5289.0, 5645.0, 5713.0, 5388.0, 5373.0, 5414.0, 5334.0, 5541.0, 5406.0, 5633.0, 5527.0, 5504.0, 5502.0, 5445.0, 5534.0, 5256.0, 5364.0, 5484.0, 5706.0, 5474.0, 5687.0, 5718.0, 5261.0, 5540.0, 5707.0, 5643.0, 5528.0, 5672.0, 5581.0, 5295.0, 5481.0, 5532.0, 5680.0, 5595.0, 5628.0, 5425.0, 5569.0, 5330.0, 5616.0, 5462.0, 5270.0, 5472.0, 5407.0, 5426.0, 5488.0, 5485.0, 5376.0, 5475.0, 5590.0, 5570.0, 5313.0, 5266.0, 5503.0, 5274.0, 5634.0, 5591.0, 5619.0, 5612.0, 5374.0, 5553.0, 5254.0, 5358.0, 5477.0, 5661.0, 5311.0, 5264.0, 5609.0, 5286.0, 5610.0, 5577.0, 5654.0, 5618.0, 5335.0, 5386.0, 5564.0, 5562.0, 5592.0, 5385.0, 5378.0, 5389.0, 5708.0, 5632.0, 5292.0, 5255.0, 5523.0, 5671.0, 5567.0 (number of hits: 6)
9	5510	9	1	333	1	5367.0, 5582.0, 5497.0, 5561.0, 5467.0, 5571.0, 5664.0, 5678.0, 5615.0, 5403.0, 5287.0, 5468.0, 5684.0, 5439.0, 5602.0, 5399.0, 5429.0, 5665.0, 5424.0, 5598.0,

						5282.0, 5493.0, 5599.0, 5265.0, 5301.0, 5273.0, 5589.0, 5553.0, 5350.0, 5418.0, 5447.0, 5357.0, 5275.0, 5708.0, 5650.0, 5639.0, 5501.0, 5670.0, 5611.0, 5640.0, 5635.0, 5480.0, 5255.0, 5483.0, 5334.0, 5671.0, 5359.0, 5569.0, 5502.0, 5333.0, 5607.0, 5431.0, 5696.0, 5325.0, 5362.0, 5590.0, 5451.0, 5491.0, 5562.0, 5416.0, 5630.0, 5340.0, 5426.0, 5536.0, 5452.0, 5717.0, 5401.0, 5534.0, 5309.0, 5689.0, 5330.0, 5559.0, 5666.0, 5722.0, 5250.0, 5527.0, 5653.0, 5346.0, 5488.0, 5513.0, 5368.0, 5352.0, 5392.0, 5432.0, 5715.0, 5469.0, 5675.0, 5521.0, 5305.0, 5479.0, 5256.0, 5656.0, 5263.0, 5538.0, 5626.0, 5267.0, 5702.0, 5564.0, 5713.0, 5550.0 (number of hits: 8)
10	5510	9	1	333	1	5484.0, 5548.0, 5312.0, 5394.0, 5399.0, 5518.0, 5711.0, 5298.0, 5558.0, 5429.0, 5253.0, 5418.0, 5636.0, 5633.0, 5606.0, 5509.0, 5393.0, 5610.0, 5365.0, 5476.0, 5525.0, 5482.0, 5308.0, 5630.0, 5686.0, 5590.0, 5694.0, 5717.0, 5595.0, 5315.0, 5410.0, 5511.0, 5672.0, 5703.0, 5259.0, 5331.0, 5473.0, 5475.0, 5693.0, 5565.0, 5341.0, 5260.0, 5270.0, 5592.0, 5439.0, 5400.0, 5258.0, 5656.0, 5465.0, 5619.0, 5570.0, 5640.0, 5313.0, 5304.0, 5561.0, 5583.0, 5427.0, 5552.0, 5278.0, 5612.0, 5564.0, 5355.0, 5294.0, 5698.0, 5715.0, 5456.0, 5287.0, 5678.0, 5471.0, 5305.0, 5494.0, 5614.0, 5679.0, 5505.0, 5651.0, 5596.0, 5503.0, 5653.0, 5275.0, 5487.0, 5451.0, 5280.0, 5432.0, 5445.0, 5647.0, 5279.0, 5524.0, 5464.0, 5512.0, 5530.0, 5510.0, 5356.0, 5415.0, 5607.0, 5616.0, 5665.0, 5292.0, 5323.0, 5303.0, 5526.0 (number of hits: 11)
11	5510	9	1	333	1	5518.0, 5623.0, 5431.0, 5716.0, 5314.0, 5682.0, 5380.0, 5458.0, 5373.0, 5643.0, 5253.0, 5593.0, 5299.0, 5543.0, 5497.0, 5468.0, 5281.0, 5700.0, 5546.0, 5552.0, 5617.0, 5496.0, 5338.0, 5573.0, 5345.0, 5466.0, 5484.0, 5678.0, 5293.0, 5337.0, 5622.0, 5711.0, 5409.0, 5286.0, 5618.0, 5650.0, 5306.0, 5596.0, 5610.0, 5358.0, 5556.0, 5427.0, 5489.0, 5335.0, 5326.0, 5402.0, 5554.0, 5330.0, 5454.0, 5483.0, 5433.0, 5512.0, 5317.0, 5521.0, 5702.0, 5417.0, 5676.0, 5612.0, 5690.0, 5494.0, 5719.0, 5255.0, 5609.0, 5469.0, 5479.0, 5667.0, 5268.0, 5391.0, 5540.0, 5636.0, 5289.0, 5626.0, 5387.0, 5341.0, 5323.0, 5400.0, 5635.0, 5351.0, 5532.0, 5672.0, 5659.0, 5642.0, 5680.0, 5529.0, 5423.0, 5634.0, 5641.0, 5428.0, 5445.0, 5539.0, 5694.0, 5364.0, 5551.0, 5343.0, 5666.0, 5438.0, 5515.0, 5548.0, 5517.0, 5662.0 (number of hits: 9)

12	5510	9	1	333	1	5341.0, 5596.0, 5539.0, 5443.0, 5257.0, 5363.0, 5425.0, 5344.0, 5299.0, 5441.0, 5659.0, 5307.0, 5603.0, 5482.0, 5392.0, 5552.0, 5555.0, 5303.0, 5319.0, 5670.0, 5361.0, 5542.0, 5572.0, 5337.0, 5484.0, 5531.0, 5653.0, 5419.0, 5692.0, 5545.0, 5720.0, 5684.0, 5646.0, 5460.0, 5270.0, 5686.0, 5602.0, 5510.0, 5532.0, 5464.0, 5354.0, 5488.0, 5312.0, 5600.0, 5522.0, 5302.0, 5258.0, 5631.0, 5515.0, 5391.0, 5585.0, 5280.0, 5333.0, 5573.0, 5428.0, 5571.0, 5427.0, 5429.0, 5574.0, 5570.0, 5261.0, 5411.0, 5298.0, 5498.0, 5406.0, 5416.0, 5669.0, 5297.0, 5595.0, 5715.0, 5311.0, 5291.0, 5605.0, 5677.0, 5388.0, 5523.0, 5657.0, 5527.0, 5255.0, 5323.0, 5604.0, 5437.0, 5628.0, 5385.0, 5305.0, 5660.0, 5675.0, 5658.0, 5624.0, 5685.0, 5494.0, 5562.0, 5418.0, 5525.0, 5324.0, 5661.0, 5504.0, 5566.0, 5534.0, 5472.0 (number of hits: 9)
13	5510	9	1	333	1	5337.0, 5412.0, 5320.0, 5389.0, 5396.0, 5261.0, 5685.0, 5392.0, 5584.0, 5695.0, 5349.0, 5459.0, 5675.0, 5359.0, 5645.0, 5457.0, 5408.0, 5464.0, 5630.0, 5496.0, 5338.0, 5430.0, 5571.0, 5385.0, 5632.0, 5717.0, 5291.0, 5652.0, 5287.0, 5608.0, 5290.0, 5665.0, 5438.0, 5523.0, 5573.0, 5598.0, 5421.0, 5343.0, 5531.0, 5258.0, 5569.0, 5666.0, 5357.0, 5544.0, 5506.0, 5716.0, 5650.0, 5257.0, 5433.0, 5304.0, 5525.0, 5356.0, 5585.0, 5562.0, 5604.0, 5313.0, 5471.0, 5314.0, 5329.0, 5295.0, 5455.0, 5326.0, 5476.0, 5253.0, 5321.0, 5589.0, 5390.0, 5663.0, 5268.0, 5404.0, 5450.0, 5643.0, 5331.0, 5673.0, 5375.0, 5403.0, 5634.0, 5282.0, 5697.0, 5284.0, 5521.0, 5334.0, 5625.0, 5422.0, 5303.0, 5310.0, 5254.0, 5649.0, 5432.0, 5462.0, 5465.0, 5377.0, 5490.0, 5505.0, 5567.0, 5561.0, 5306.0, 5648.0, 5596.0, 5414.0 (number of hits: 7)
14	5510	9	1	333	1	5628.0, 5312.0, 5408.0, 5470.0, 5593.0, 5294.0, 5306.0, 5517.0, 5251.0, 5404.0, 5599.0, 5664.0, 5522.0, 5394.0, 5399.0, 5595.0, 5308.0, 5293.0, 5722.0, 5291.0, 5694.0, 5409.0, 5257.0, 5552.0, 5467.0, 5469.0, 5580.0, 5506.0, 5634.0, 5474.0, 5262.0, 5659.0, 5674.0, 5687.0, 5579.0, 5259.0, 5657.0, 5377.0, 5253.0, 5459.0, 5566.0, 5701.0, 5362.0, 5535.0, 5578.0, 5472.0, 5561.0, 5354.0, 5375.0, 5359.0, 5431.0, 5501.0, 5282.0, 5281.0, 5445.0, 5351.0, 5640.0, 5479.0, 5345.0, 5254.0, 5420.0, 5326.0, 5589.0, 5453.0, 5252.0, 5284.0, 5296.0, 5460.0, 5285.0, 5437.0, 5486.0, 5473.0, 5644.0, 5357.0, 5363.0, 5622.0, 5270.0, 5277.0, 5647.0, 5676.0, 5631.0, 5542.0, 5274.0, 5491.0, 5637.0, 5323.0, 5386.0, 5619.0, 5585.0, 5705.0,

						5448.0, 5275.0, 5684.0, 5538.0, 5600.0, 5418.0, 5405.0, 5481.0, 5426.0, 5419.0 (number of hits: 5)
15	5510	9	1	333	1	5696.0, 5505.0, 5328.0, 5260.0, 5405.0, 5570.0, 5499.0, 5707.0, 5456.0, 5304.0, 5399.0, 5592.0, 5287.0, 5452.0, 5708.0, 5530.0, 5613.0, 5263.0, 5359.0, 5556.0, 5502.0, 5343.0, 5362.0, 5447.0, 5265.0, 5699.0, 5436.0, 5552.0, 5410.0, 5490.0, 5427.0, 5313.0, 5569.0, 5580.0, 5372.0, 5705.0, 5434.0, 5526.0, 5682.0, 5566.0, 5335.0, 5255.0, 5445.0, 5269.0, 5536.0, 5401.0, 5619.0, 5363.0, 5257.0, 5511.0, 5261.0, 5574.0, 5376.0, 5497.0, 5663.0, 5375.0, 5716.0, 5387.0, 5448.0, 5384.0, 5513.0, 5627.0, 5393.0, 5326.0, 5724.0, 5484.0, 5506.0, 5633.0, 5322.0, 5681.0, 5348.0, 5687.0, 5352.0, 5634.0, 5659.0, 5519.0, 5317.0, 5291.0, 5350.0, 5424.0, 5518.0, 5690.0, 5298.0, 5531.0, 5425.0, 5294.0, 5467.0, 5641.0, 5510.0, 5482.0, 5408.0, 5388.0, 5468.0, 5600.0, 5501.0, 5252.0, 5311.0, 5338.0, 5411.0, 5670.0 (number of hits: 13)
16	5510	9	1	333	1	5290.0, 5283.0, 5383.0, 5372.0, 5446.0, 5670.0, 5518.0, 5498.0, 5302.0, 5343.0, 5479.0, 5692.0, 5720.0, 5392.0, 5252.0, 5677.0, 5577.0, 5386.0, 5672.0, 5699.0, 5551.0, 5690.0, 5614.0, 5495.0, 5379.0, 5328.0, 5425.0, 5612.0, 5428.0, 5714.0, 5319.0, 5474.0, 5448.0, 5312.0, 5572.0, 5368.0, 5404.0, 5358.0, 5519.0, 5548.0, 5442.0, 5561.0, 5454.0, 5703.0, 5264.0, 5408.0, 5393.0, 5310.0, 5463.0, 5568.0, 5366.0, 5396.0, 5522.0, 5375.0, 5507.0, 5660.0, 5397.0, 5443.0, 5555.0, 5489.0, 5410.0, 5295.0, 5304.0, 5621.0, 5471.0, 5554.0, 5611.0, 5361.0, 5346.0, 5581.0, 5588.0, 5314.0, 5445.0, 5452.0, 5251.0, 5559.0, 5613.0, 5676.0, 5598.0, 5562.0, 5594.0, 5461.0, 5502.0, 5298.0, 5351.0, 5414.0, 5432.0, 5340.0, 5482.0, 5687.0, 5390.0, 5637.0, 5514.0, 5292.0, 5467.0, 5313.0, 5491.0, 5549.0, 5641.0, 5618.0 (number of hits: 9)
17	5510	9	1	333	1	5667.0, 5503.0, 5607.0, 5650.0, 5609.0, 5282.0, 5344.0, 5421.0, 5413.0, 5269.0, 5462.0, 5618.0, 5632.0, 5524.0, 5280.0, 5672.0, 5523.0, 5331.0, 5587.0, 5447.0, 5334.0, 5460.0, 5403.0, 5633.0, 5346.0, 5518.0, 5350.0, 5698.0, 5363.0, 5467.0, 5420.0, 5385.0, 5602.0, 5711.0, 5639.0, 5565.0, 5463.0, 5508.0, 5623.0, 5475.0, 5588.0, 5461.0, 5453.0, 5716.0, 5320.0, 5458.0, 5279.0, 5315.0, 5655.0, 5337.0, 5340.0, 5424.0, 5443.0, 5402.0, 5471.0, 5434.0, 5459.0, 5535.0, 5526.0, 5642.0, 5293.0, 5521.0, 5275.0, 5388.0, 5581.0, 5666.0, 5289.0, 5277.0, 5615.0, 5512.0, 5464.0, 5612.0, 5584.0, 5281.0, 5419.0,

						5251.0, 5562.0, 5312.0, 5332.0, 5671.0, 5683.0, 5476.0, 5343.0, 5309.0, 5384.0, 5372.0, 5701.0, 5506.0, 5405.0, 5520.0, 5330.0, 5342.0, 5408.0, 5491.0, 5640.0, 5479.0, 5259.0, 5613.0, 5317.0, 5656.0 (number of hits: 11)
18	5510	9	1	333	1	5403.0, 5685.0, 5348.0, 5298.0, 5405.0, 5503.0, 5422.0, 5402.0, 5399.0, 5595.0, 5538.0, 5352.0, 5522.0, 5301.0, 5406.0, 5457.0, 5448.0, 5523.0, 5597.0, 5570.0, 5659.0, 5478.0, 5332.0, 5482.0, 5354.0, 5596.0, 5389.0, 5285.0, 5533.0, 5655.0, 5578.0, 5262.0, 5362.0, 5410.0, 5552.0, 5473.0, 5591.0, 5484.0, 5661.0, 5303.0, 5455.0, 5718.0, 5334.0, 5261.0, 5308.0, 5415.0, 5340.0, 5324.0, 5618.0, 5426.0, 5304.0, 5431.0, 5546.0, 5627.0, 5672.0, 5357.0, 5254.0, 5681.0, 5642.0, 5278.0, 5667.0, 5377.0, 5493.0, 5454.0, 5264.0, 5408.0, 5439.0, 5327.0, 5325.0, 5641.0, 5498.0, 5723.0, 5515.0, 5466.0, 5443.0, 5265.0, 5664.0, 5266.0, 5588.0, 5571.0, 5397.0, 5602.0, 5396.0, 5452.0, 5650.0, 5366.0, 5656.0, 5613.0, 5690.0, 5548.0, 5516.0, 5491.0, 5423.0, 5288.0, 5329.0, 5409.0, 5599.0, 5401.0, 5497.0, 5509.0 (number of hits: 10)
19	5510	9	1	333	1	5297.0, 5698.0, 5322.0, 5644.0, 5687.0, 5586.0, 5588.0, 5567.0, 5693.0, 5606.0, 5265.0, 5582.0, 5252.0, 5276.0, 5514.0, 5483.0, 5347.0, 5577.0, 5657.0, 5528.0, 5548.0, 5527.0, 5334.0, 5600.0, 5457.0, 5321.0, 5301.0, 5294.0, 5712.0, 5573.0, 5272.0, 5609.0, 5387.0, 5408.0, 5291.0, 5681.0, 5443.0, 5498.0, 5684.0, 5255.0, 5378.0, 5716.0, 5393.0, 5689.0, 5580.0, 5487.0, 5436.0, 5496.0, 5488.0, 5313.0, 5357.0, 5494.0, 5508.0, 5505.0, 5532.0, 5559.0, 5467.0, 5638.0, 5497.0, 5661.0, 5410.0, 5659.0, 5259.0, 5524.0, 5256.0, 5676.0, 5458.0, 5262.0, 5402.0, 5540.0, 5547.0, 5433.0, 5468.0, 5594.0, 5502.0, 5391.0, 5343.0, 5720.0, 5399.0, 5703.0, 5333.0, 5660.0, 5251.0, 5372.0, 5522.0, 5713.0, 5625.0, 5486.0, 5339.0, 5302.0, 5303.0, 5664.0, 5526.0, 5349.0, 5679.0, 5279.0, 5335.0, 5280.0, 5312.0, 5405.0 (number of hits: 13)
20	5510	9	1	333	1	5269.0, 5468.0, 5398.0, 5550.0, 5324.0, 5567.0, 5516.0, 5711.0, 5342.0, 5421.0, 5335.0, 5457.0, 5677.0, 5326.0, 5253.0, 5618.0, 5282.0, 5414.0, 5299.0, 5629.0, 5707.0, 5491.0, 5356.0, 5341.0, 5411.0, 5709.0, 5391.0, 5459.0, 5332.0, 5300.0, 5502.0, 5366.0, 5458.0, 5521.0, 5539.0, 5470.0, 5334.0, 5529.0, 5678.0, 5518.0, 5392.0, 5397.0, 5648.0, 5559.0, 5456.0, 5620.0, 5296.0, 5477.0, 5694.0, 5292.0, 5472.0, 5649.0, 5323.0, 5666.0, 5343.0,

						5286.0, 5672.0, 5337.0, 5644.0, 5312.0, 5699.0, 5657.0, 5722.0, 5541.0, 5413.0, 5665.0, 5291.0, 5488.0, 5632.0, 5399.0, 5613.0, 5416.0, 5289.0, 5346.0, 5277.0, 5712.0, 5572.0, 5638.0, 5570.0, 5590.0, 5319.0, 5481.0, 5318.0, 5708.0, 5560.0, 5404.0, 5680.0, 5586.0, 5617.0, 5659.0, 5466.0, 5431.0, 5625.0, 5365.0, 5301.0, 5376.0, 5587.0, 5519.0, 5647.0, 5283.0 (number of hits: 7)
21	5510	9	1	333	1	5661.0, 5705.0, 5425.0, 5258.0, 5652.0, 5617.0, 5501.0, 5626.0, 5320.0, 5480.0, 5267.0, 5673.0, 5349.0, 5621.0, 5684.0, 5688.0, 5265.0, 5482.0, 5614.0, 5578.0, 5657.0, 5358.0, 5449.0, 5336.0, 5635.0, 5520.0, 5675.0, 5324.0, 5613.0, 5682.0, 5535.0, 5317.0, 5589.0, 5289.0, 5410.0, 5266.0, 5272.0, 5435.0, 5381.0, 5392.0, 5323.0, 5508.0, 5311.0, 5262.0, 5475.0, 5278.0, 5525.0, 5631.0, 5438.0, 5377.0, 5597.0, 5297.0, 5605.0, 5527.0, 5692.0, 5398.0, 5604.0, 5526.0, 5427.0, 5573.0, 5638.0, 5574.0, 5378.0, 5658.0, 5699.0, 5391.0, 5253.0, 5611.0, 5529.0, 5702.0, 5612.0, 5489.0, 5429.0, 5291.0, 5566.0, 5257.0, 5518.0, 5470.0, 5602.0, 5256.0, 5344.0, 5531.0, 5403.0, 5478.0, 5722.0, 5446.0, 5542.0, 5417.0, 5546.0, 5639.0, 5461.0, 5430.0, 5306.0, 5318.0, 5359.0, 5281.0, 5681.0, 5365.0, 5571.0, 5331.0 (number of hits: 8)
22	5510	9	1	333	1	5320.0, 5258.0, 5685.0, 5405.0, 5296.0, 5622.0, 5305.0, 5476.0, 5649.0, 5301.0, 5364.0, 5638.0, 5658.0, 5528.0, 5300.0, 5468.0, 5506.0, 5444.0, 5454.0, 5460.0, 5368.0, 5481.0, 5295.0, 5267.0, 5278.0, 5334.0, 5693.0, 5507.0, 5390.0, 5298.0, 5714.0, 5319.0, 5383.0, 5497.0, 5381.0, 5549.0, 5539.0, 5265.0, 5508.0, 5625.0, 5418.0, 5670.0, 5723.0, 5683.0, 5433.0, 5256.0, 5564.0, 5717.0, 5722.0, 5318.0, 5395.0, 5371.0, 5294.0, 5661.0, 5322.0, 5340.0, 5487.0, 5700.0, 5379.0, 5653.0, 5409.0, 5252.0, 5287.0, 5654.0, 5471.0, 5568.0, 5290.0, 5716.0, 5272.0, 5677.0, 5491.0, 5321.0, 5637.0, 5561.0, 5546.0, 5679.0, 5504.0, 5511.0, 5404.0, 5565.0, 5589.0, 5310.0, 5277.0, 5706.0, 5411.0, 5601.0, 5378.0, 5496.0, 5472.0, 5442.0, 5682.0, 5393.0, 5537.0, 5451.0, 5611.0, 5616.0, 5388.0, 5593.0, 5374.0, 5459.0 (number of hits: 9)
23	5510	9	1	333	1	5412.0, 5716.0, 5265.0, 5606.0, 5251.0, 5285.0, 5354.0, 5475.0, 5403.0, 5266.0, 5486.0, 5558.0, 5272.0, 5500.0, 5626.0, 5476.0, 5658.0, 5489.0, 5370.0, 5454.0, 5361.0, 5388.0, 5304.0, 5261.0, 5355.0, 5712.0, 5345.0, 5426.0, 5667.0, 5619.0, 5647.0, 5577.0, 5259.0, 5364.0, 5301.0,

						5257.0, 5390.0, 5374.0, 5379.0, 5389.0, 5554.0, 5531.0, 5392.0, 5557.0, 5462.0, 5567.0, 5314.0, 5292.0, 5654.0, 5570.0, 5498.0, 5339.0, 5332.0, 5642.0, 5617.0, 5634.0, 5550.0, 5502.0, 5549.0, 5404.0, 5709.0, 5468.0, 5628.0, 5399.0, 5400.0, 5552.0, 5533.0, 5513.0, 5687.0, 5675.0, 5422.0, 5452.0, 5356.0, 5704.0, 5329.0, 5595.0, 5465.0, 5369.0, 5717.0, 5418.0, 5363.0, 5526.0, 5455.0, 5472.0, 5434.0, 5723.0, 5559.0, 5720.0, 5501.0, 5470.0, 5589.0, 5635.0, 5528.0, 5264.0, 5580.0, 5296.0, 5543.0, 5413.0, 5365.0, 5287.0 (number of hits: 7)
24	5510	9	1	333	1	5393.0, 5700.0, 5301.0, 5511.0, 5559.0, 5628.0, 5503.0, 5575.0, 5643.0, 5347.0, 5711.0, 5260.0, 5442.0, 5356.0, 5305.0, 5311.0, 5392.0, 5405.0, 5681.0, 5328.0, 5723.0, 5498.0, 5416.0, 5572.0, 5398.0, 5277.0, 5406.0, 5567.0, 5551.0, 5636.0, 5509.0, 5437.0, 5297.0, 5492.0, 5343.0, 5707.0, 5408.0, 5672.0, 5602.0, 5663.0, 5309.0, 5302.0, 5276.0, 5338.0, 5349.0, 5607.0, 5490.0, 5270.0, 5372.0, 5286.0, 5456.0, 5432.0, 5329.0, 5647.0, 5472.0, 5381.0, 5549.0, 5650.0, 5256.0, 5527.0, 5468.0, 5339.0, 5702.0, 5660.0, 5519.0, 5293.0, 5532.0, 5708.0, 5476.0, 5450.0, 5440.0, 5562.0, 5703.0, 5287.0, 5423.0, 5717.0, 5534.0, 5513.0, 5288.0, 5648.0, 5326.0, 5407.0, 5403.0, 5542.0, 5280.0, 5359.0, 5552.0, 5253.0, 5530.0, 5507.0, 5443.0, 5454.0, 5616.0, 5453.0, 5610.0, 5712.0, 5716.0, 5473.0, 5374.0, 5465.0 (number of hits: 10)
25	5510	9	1	333	1	5354.0, 5257.0, 5649.0, 5525.0, 5417.0, 5721.0, 5487.0, 5542.0, 5303.0, 5322.0, 5558.0, 5323.0, 5383.0, 5370.0, 5338.0, 5653.0, 5397.0, 5421.0, 5349.0, 5527.0, 5705.0, 5637.0, 5533.0, 5478.0, 5400.0, 5477.0, 5411.0, 5674.0, 5685.0, 5463.0, 5265.0, 5694.0, 5639.0, 5464.0, 5513.0, 5294.0, 5526.0, 5493.0, 5415.0, 5701.0, 5528.0, 5576.0, 5422.0, 5539.0, 5452.0, 5523.0, 5424.0, 5371.0, 5300.0, 5336.0, 5580.0, 5540.0, 5254.0, 5368.0, 5325.0, 5695.0, 5394.0, 5276.0, 5638.0, 5431.0, 5656.0, 5355.0, 5550.0, 5473.0, 5673.0, 5614.0, 5537.0, 5642.0, 5545.0, 5571.0, 5282.0, 5423.0, 5281.0, 5275.0, 5503.0, 5457.0, 5440.0, 5317.0, 5451.0, 5466.0, 5604.0, 5318.0, 5581.0, 5605.0, 5301.0, 5388.0, 5691.0, 5290.0, 5538.0, 5652.0, 5406.0, 5680.0, 5613.0, 5529.0, 5681.0, 5552.0, 5365.0, 5314.0, 5327.0, 5662.0 (number of hits: 9)
26	5510	9	1	333	1	5658.0, 5521.0, 5581.0, 5345.0, 5427.0, 5681.0, 5721.0, 5352.0, 5460.0, 5441.0, 5530.0, 5446.0, 5565.0, 5394.0, 5585.0,

						5496.0, 5411.0, 5534.0, 5682.0, 5679.0, 5350.0, 5274.0, 5342.0, 5295.0, 5319.0, 5466.0, 5661.0, 5591.0, 5362.0, 5375.0, 5396.0, 5568.0, 5656.0, 5672.0, 5700.0, 5574.0, 5671.0, 5317.0, 5389.0, 5724.0, 5538.0, 5493.0, 5494.0, 5719.0, 5576.0, 5579.0, 5706.0, 5528.0, 5649.0, 5715.0, 5388.0, 5546.0, 5604.0, 5523.0, 5603.0, 5708.0, 5461.0, 5644.0, 5316.0, 5691.0, 5503.0, 5343.0, 5422.0, 5720.0, 5363.0, 5712.0, 5571.0, 5687.0, 5481.0, 5676.0, 5688.0, 5458.0, 5281.0, 5630.0, 5517.0, 5674.0, 5580.0, 5329.0, 5332.0, 5632.0, 5341.0, 5628.0, 5651.0, 5526.0, 5326.0, 5429.0, 5449.0, 5419.0, 5399.0, 5372.0, 5448.0, 5311.0, 5639.0, 5256.0, 5279.0, 5627.0, 5278.0, 5520.0, 5664.0, 5547.0 (number of hits: 10)
27	5510	9	1	333	1	5305.0, 5624.0, 5515.0, 5297.0, 5516.0, 5291.0, 5616.0, 5576.0, 5421.0, 5485.0, 5613.0, 5546.0, 5457.0, 5339.0, 5410.0, 5513.0, 5342.0, 5444.0, 5584.0, 5681.0, 5648.0, 5385.0, 5373.0, 5347.0, 5251.0, 5711.0, 5544.0, 5258.0, 5311.0, 5482.0, 5641.0, 5548.0, 5327.0, 5406.0, 5425.0, 5501.0, 5598.0, 5325.0, 5261.0, 5312.0, 5622.0, 5389.0, 5623.0, 5512.0, 5259.0, 5326.0, 5549.0, 5671.0, 5634.0, 5466.0, 5612.0, 5456.0, 5666.0, 5717.0, 5334.0, 5379.0, 5302.0, 5394.0, 5436.0, 5355.0, 5416.0, 5547.0, 5618.0, 5704.0, 5518.0, 5487.0, 5274.0, 5254.0, 5689.0, 5371.0, 5570.0, 5256.0, 5657.0, 5695.0, 5306.0, 5381.0, 5574.0, 5532.0, 5658.0, 5492.0, 5403.0, 5611.0, 5321.0, 5688.0, 5525.0, 5328.0, 5676.0, 5279.0, 5673.0, 5608.0, 5323.0, 5285.0, 5583.0, 5397.0, 5298.0, 5505.0, 5333.0, 5701.0, 5645.0, 5713.0 (number of hits: 9)
28	5510	9	1	333	1	5721.0, 5372.0, 5542.0, 5497.0, 5703.0, 5660.0, 5718.0, 5295.0, 5716.0, 5545.0, 5574.0, 5679.0, 5723.0, 5359.0, 5517.0, 5505.0, 5609.0, 5296.0, 5684.0, 5365.0, 5299.0, 5305.0, 5523.0, 5635.0, 5581.0, 5513.0, 5534.0, 5349.0, 5604.0, 5686.0, 5576.0, 5291.0, 5671.0, 5645.0, 5714.0, 5285.0, 5421.0, 5568.0, 5580.0, 5470.0, 5642.0, 5628.0, 5486.0, 5339.0, 5632.0, 5379.0, 5627.0, 5667.0, 5543.0, 5367.0, 5651.0, 5708.0, 5636.0, 5556.0, 5409.0, 5347.0, 5330.0, 5314.0, 5458.0, 5412.0, 5432.0, 5269.0, 5555.0, 5303.0, 5452.0, 5450.0, 5431.0, 5672.0, 5633.0, 5577.0, 5669.0, 5417.0, 5526.0, 5693.0, 5389.0, 5508.0, 5622.0, 5415.0, 5595.0, 5276.0, 5420.0, 5719.0, 5326.0, 5625.0, 5678.0, 5465.0, 5350.0, 5270.0, 5491.0, 5300.0, 5368.0, 5433.0, 5302.0, 5262.0, 5260.0, 5460.0, 5396.0, 5619.0, 5307.0, 5562.0 (number of hits: 8)

29	5510	9	1	333	1	5476.0, 5326.0, 5560.0, 5291.0, 5461.0, 5277.0, 5363.0, 5377.0, 5596.0, 5490.0, 5664.0, 5438.0, 5468.0, 5301.0, 5633.0, 5710.0, 5679.0, 5341.0, 5317.0, 5415.0, 5550.0, 5275.0, 5637.0, 5421.0, 5491.0, 5500.0, 5539.0, 5545.0, 5357.0, 5587.0, 5397.0, 5654.0, 5255.0, 5271.0, 5284.0, 5486.0, 5322.0, 5624.0, 5455.0, 5636.0, 5717.0, 5330.0, 5525.0, 5577.0, 5677.0, 5474.0, 5414.0, 5274.0, 5359.0, 5691.0, 5269.0, 5250.0, 5405.0, 5639.0, 5559.0, 5569.0, 5286.0, 5688.0, 5404.0, 5650.0, 5346.0, 5373.0, 5328.0, 5638.0, 5385.0, 5395.0, 5669.0, 5420.0, 5693.0, 5606.0, 5494.0, 5449.0, 5632.0, 5400.0, 5444.0, 5384.0, 5331.0, 5387.0, 5526.0, 5453.0, 5437.0, 5369.0, 5702.0, 5616.0, 5339.0, 5646.0, 5338.0, 5278.0, 5512.0, 5426.0, 5429.0, 5554.0, 5409.0, 5470.0, 5401.0, 5643.0, 5521.0, 5383.0, 5623.0, 5287.0 (number of hits: 8)
30	5510	9	1	333	1	5308.0, 5419.0, 5438.0, 5390.0, 5283.0, 5560.0, 5622.0, 5321.0, 5296.0, 5445.0, 5250.0, 5675.0, 5649.0, 5454.0, 5288.0, 5253.0, 5540.0, 5537.0, 5715.0, 5587.0, 5267.0, 5307.0, 5459.0, 5467.0, 5574.0, 5595.0, 5611.0, 5265.0, 5554.0, 5493.0, 5434.0, 5717.0, 5723.0, 5261.0, 5428.0, 5323.0, 5320.0, 5633.0, 5684.0, 5575.0, 5384.0, 5392.0, 5318.0, 5464.0, 5382.0, 5358.0, 5695.0, 5504.0, 5425.0, 5674.0, 5643.0, 5281.0, 5712.0, 5444.0, 5594.0, 5581.0, 5697.0, 5678.0, 5494.0, 5557.0, 5349.0, 5408.0, 5568.0, 5374.0, 5489.0, 5351.0, 5610.0, 5655.0, 5491.0, 5411.0, 5334.0, 5604.0, 5424.0, 5524.0, 5703.0, 5665.0, 5705.0, 5505.0, 5404.0, 5322.0, 5683.0, 5573.0, 5343.0, 5435.0, 5388.0, 5617.0, 5713.0, 5516.0, 5357.0, 5433.0, 5579.0, 5552.0, 5508.0, 5407.0, 5356.0, 5465.0, 5663.0, 5533.0, 5259.0, 5284.0 (number of hits: 8)

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	96.7 %	60%	Pass
Type 4	30	80 %	60%	Pass
Aggregate (Type1 to 4)	120	94.2 %	80%	Pass
Type 5	30	93.3%	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	5530	74	1	718	1
2	5530	70	1	758	1
3	5530	72	1	738	1
4	5530	78	1	678	1
5	5530	57	1	938	1
6	5530	81	1	658	1
7	5530	61	1	878	1
8	5530	68	1	778	1
9	5530	59	1	898	1
10	5530	76	1	698	1
11	5530	62	1	858	1
12	5530	67	1	798	1
13	5530	99	1	538	1
14	5530	92	1	578	1
15	5530	63	1	838	1
Detection Percentage: 100 % (>60%)					

Radar Type 1B Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	27	1	2017	1
2	5530	52	1	1028	1
3	5530	35	1	1510	1
4	5530	31	1	1729	1
5	5530	35	1	1526	1
6	5530	40	1	1324	1
7	5530	19	1	2847	1
8	5530	23	1	2354	1
9	5530	55	1	970	1
10	5530	49	1	1083	1
11	5530	27	1	1993	1
12	5530	36	1	1476	1
13	5530	32	1	1669	1
14	5530	23	1	2314	1
15	5530	29	1	1841	1
16	5530	19	1	2914	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	28	2.3	165	1
2	5530	26	4.3	170	1
3	5530	27	3.1	230	1
4	5530	23	3.1	229	1
5	5530	25	3	160	1
6	5530	26	4.9	157	1
7	5530	26	4.4	194	1
8	5530	23	3	217	1
9	5530	27	2.9	228	1
10	5530	29	4.5	198	1
11	5530	25	3.9	210	1
12	5530	27	3.1	156	1
13	5530	27	3.4	223	1
14	5530	26	2.6	161	1
15	5530	27	3.8	174	1
16	5530	25	2.1	152	1
17	5530	27	2.4	160	1
18	5530	24	1.3	172	1
19	5530	24	2.9	214	1
20	5530	25	1.4	182	1
21	5530	24	1.2	158	1
22	5530	23	2.6	219	1
23	5530	29	1.8	158	1
24	5530	23	4.2	154	1
25	5530	23	2.7	158	1
26	5530	25	3.1	221	1
27	5530	26	4.4	207	1
28	5530	23	2.7	163	1
29	5530	29	2.5	209	1
30	5530	25	4	228	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	10	476	1
2	5530	16	7.2	416	1
3	5530	16	9.1	228	1
4	5530	18	8.2	495	1
5	5530	16	10	318	1
6	5530	17	9.7	320	1
7	5530	18	8.2	384	1
8	5530	17	9	484	1
9	5530	17	7	227	1
10	5530	18	8.6	320	1
11	5530	18	9.6	274	1
12	5530	18	9.1	242	1
13	5530	16	6.7	438	1
14	5530	18	7.7	399	1
15	5530	17	8.7	388	1
16	5530	18	7.5	401	1
17	5530	16	6.2	436	1
18	5530	16	8.5	218	1
19	5530	16	6.4	488	1
20	5530	16	7	205	0
21	5530	17	8.7	417	1
22	5530	17	6.2	409	1
23	5530	17	8.3	314	1
24	5530	16	6.9	359	1
25	5530	16	9.2	445	1
26	5530	17	8	317	1
27	5530	16	6.8	246	1
28	5530	18	9.6	248	1
29	5530	17	7	383	1
30	5530	16	9.1	382	1
Detection Percentage: 96.7 % (>60%)					

Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5530	14	13.2	285	1
2	5530	12	17.2	383	1
3	5530	12	18.4	359	1
4	5530	13	11.2	324	1
5	5530	12	19.7	410	1
6	5530	12	14.9	335	1
7	5530	14	18.9	319	0
8	5530	13	16	389	1
9	5530	16	14	284	1
10	5530	13	13.2	264	1
11	5530	12	12.8	275	1
12	5530	14	14.2	414	1
13	5530	13	15.6	472	0
14	5530	14	13.4	336	1
15	5530	15	14.6	489	1
16	5530	15	15.8	279	1
17	5530	15	11.5	420	1
18	5530	16	11.6	441	1
19	5530	14	15.5	451	1
20	5530	15	14.4	368	1
21	5530	15	19	240	1
22	5530	12	15.2	203	0
23	5530	13	11.3	344	1
24	5530	15	12	488	1
25	5530	13	11.5	285	1
26	5530	12	18	473	0
27	5530	12	19.4	364	1
28	5530	15	13.5	200	0
29	5530	12	13.6	206	0
30	5530	13	19	454	1
Detection Percentage: 80 % (>60%)					

Radar Type 5 Statistical Performance

Statistics 1 (ChirpCenter Frequency: 5503MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	8	95.1			0.882993	1
1	2	7	62.8	1936		1.370029	
2	2	13	59	1615		2.036108	
3	3	9	92.3	1342	1266	3.506048	
4	1	16	60.2			3.781655	
5	2	10	94.6	1614		4.905187	
6	2	12	52.8	1479		6.154415	
7	2	19	97.8	1743		6.916688	
8	3	15	63.6	1163	1945	7.786328	
9	2	14	69.3	1525		8.33322	
10	3	7	70	1950	1423	9.728634	
11	3	12	54.5	1340	1057	10.43862	
12	1	16	84.2			11.86959	

Statistics 2 (ChirpCenter Frequency: 5528 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	18	94.5	1350	1934	0.131735	1
1	3	10	52.3	1250	1119	0.899725	
2	2	6	87.3	1615		1.621981	
3	2	19	92	1841		2.365234	
4	2	6	71.9	1669		2.703591	
5	2	19	91.3	1686		3.992602	
6	2	12	55.3	1809		4.195349	
7	3	15	59.5	1738	1537	5.011396	
8	1	19	72			5.769923	
9	1	5	80.4			6.35604	
10	2	17	90.5	1877		7.014063	
11	2	15	78.6	1615		7.717149	
12	2	20	51.6	1813		8.153411	
13	1	15	54.4			9.288415	
14	3	17	86.6	1217	1896	9.817339	
15	2	11	66.3	1040		10.14484	
16	1	16	85.2			10.81645	
17	3	12	73.9	1715	1246	11.84798	

Statistics 3 (ChirpCenter Frequency: 5513 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	16	99.8			0.339512	1
1	2	14	59.4	1456		0.963169	
2	3	6	71	1971	1912	1.716715	
3	1	14	63.2			2.048924	
4	2	11	67.1	1301		2.602326	
5	2	19	87.9	1459		3.439964	
6	3	15	77.1	1784	1691	3.647355	
7	1	20	53.5			4.617973	
8	2	8	73.5	1070		5.061617	
9	1	7	61.8			5.425695	
10	3	17	72.4	1691	1551	6.014031	
11	1	8	95.5			7.185918	
12	2	16	73.8	1446		7.376675	
13	2	14	76.7	1026		8.30269	
14	2	9	84.2	1633		8.404533	
15	3	17	98.1	1648	1637	9.270824	
16	3	6	89.1	1576	1268	10.17391	
17	2	12	64.1	1679		10.32559	
18	2	19	54.1	1536		10.86572	
19	3	16	98.1	1299	1893	11.64166	

Statistics 4 (ChirpCenter Frequency: 5539 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	13	84.3	1061	1594	0.531503	1
1	3	19	99.2	1172	1154	1.143017	
2	1	12	58.3			2.245286	
3	3	7	95.6	1044	1200	3.196779	
4	2	7	74.1	1470		4.039528	
5	1	11	99.6			4.952198	
6	3	11	86.7	1831	1467	5.693667	
7	1	19	88.9			6.721004	
8	1	6	56.9			7.655324	
9	2	8	70.4	1324		7.831299	
10	3	7	90	1755	1415	8.755763	
11	3	12	68.6	1940	1792	9.791655	
12	1	14	97.8			10.95976	
13	1	15	56.5			11.75227	

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(S)	Detection (1:yes;0:no)
0	1	8	97.8			0.368298	1
1	2	10	76.3	1112		1.334729	
2	1	11	87.5			2.632737	
3	1	15	88.9			3.112269	
4	2	18	99.2	1609		3.948981	
5	2	18	61	1706		5.509718	
6	3	19	65.8	1849	1627	5.675624	
7	3	14	98.7	1377	1487	7.271822	
8	2	20	79.4	1012		8.029266	
9	1	8	62.9			8.582767	
10	2	19	93.7	1115		10.14293	
11	3	18	91.5	1464	1987	10.41277	
12	1	16	50.2			11.26884	

Statistics 6 (ChirpCenter Frequency: 5532 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	9	67.3	1822		0.108402	1
1	2	9	71.2	1194		1.104431	
2	3	9	91.4	1478	1523	1.630506	
3	2	19	77.6	1981		2.360924	
4	3	10	96.5	1808	1461	3.265547	
5	1	12	72.2			3.599966	
6	3	16	78.3	1491	1280	4.657392	
7	2	10	89.6	1278		4.734372	
8	1	10	58.5			5.632975	
9	2	12	53.5	1779		6.118249	
10	1	20	87.8			7.220455	
11	2	9	53.1	1946		7.892943	
12	2	18	59.4	1505		8.220314	
13	2	20	70	1086		9.181455	
14	1	13	84			9.528346	
15	2	16	78.1	1993		10.10381	
16	3	11	50.8	1501	1566	11.07124	
17	2	9	85.9	1290		11.35872	

Statistics 7 (ChirpCenter Frequency: 5521 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	8	80.8	1837		0.058811	
1	3	18	74.4	1618	1883	1.323276	
2	2	17	94.6	1402		2.486574	
3	2	16	85.4	1394		3.66155	
4	2	19	78.3	1969		4.768431	
5	1	9	75.9			6.014621	0
6	1	8	92.2			6.939652	
7	2	20	82.2	1603		7.925771	
8	2	6	82	1397		9.681185	
9	2	14	57.9	1372		10.86096	
10	1	6	59.4			11.84336	

Statistics 8 (ChirpCenter Frequency: 5507 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	14	61.3	1332		0.541144	
1	3	16	96.2	1498	1705	1.129604	
2	3	16	87.5	1118	1977	1.60801	
3	2	5	89.6	1918		2.243096	
4	3	16	90.4	1643	1676	2.635864	
5	2	12	98.7	1405		3.180229	
6	1	8	58			4.309508	
7	2	20	56.8	1400		4.583681	
8	3	7	65.5	1299	1943	5.45859	
9	1	6	89.8			5.722376	1
10	2	11	94.2	1787		6.596386	
11	2	19	85.3	1517		6.950433	
12	1	19	75.2			7.726944	
13	3	7	95.4	1614	1271	8.738059	
14	3	16	51.5	1717	1296	9.168156	
15	2	15	52	1258		10.09952	
16	3	14	96.9	1888	1919	10.71948	
17	2	18	91.3	1693		10.93773	
18	1	16	63.2			11.42089	

Statistics 9 (ChirpCenter Frequency: 5525 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	9	81.6	1969		0.792313	1
1	2	12	70.4	1625		2.097389	
2	2	18	94.7	1412		2.546654	
3	3	7	74.1	1623	1098	4.053965	
4	3	11	63.6	1336	1942	4.652877	
5	1	13	86.1			6.516774	
6	3	8	61.5	1389	1762	6.74786	
7	3	10	65.3	1014	1580	8.140052	
8	1	8	83.8			9.243669	
9	3	19	96.1	1644	1712	9.927399	
10	2	19	59.9	1689		11.00725	

Statistics 10 (ChirpCenter Frequency: 5504 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	14	65.5	1032		0.736216	1
1	1	5	72.4			1.535658	
2	1	7	51.4			2.040408	
3	2	5	89.9	1588		2.80031	
4	2	15	60.6	1436		3.85219	
5	2	16	88.2	1670		4.855245	
6	3	6	91.9	1451	1145	5.832066	
7	1	13	73.9			6.388159	
8	2	9	59	1645		7.121306	
9	2	5	79.9	1029		7.962695	
10	2	13	75.6	1797		9.360993	
11	1	6	53			9.582316	
12	2	11	94.3	1784		10.3632	
13	1	17	70.7			11.4229	

Statistics 11 (ChirpCenter Frequency: 5512 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	20	60.5	1520	1566	0.617473	1
1	3	13	96.5	1396	1458	0.874236	
2	1	15	50.7			1.524566	
3	2	11	53.1	1653		2.687573	
4	2	20	59.6	1893		2.862421	
5	2	20	88.8	1843		3.603013	
6	2	9	75	1723		4.88167	
7	1	19	70.4			5.266358	
8	2	8	58.9	1977		5.869326	
9	3	19	69.6	1772	1659	6.695365	
10	2	5	82.2	1057		7.410447	
11	2	6	85.5	1344		8.00119	
12	2	14	58.1	1334		8.48995	
13	2	6	60.4	1769		9.839491	
14	1	16	98.4			10.56489	
15	1	19	75.4			10.84034	
16	1	12	61			11.37165	

Statistics 12 (ChirpCenter Frequency: 5548 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	9	76.9	1999	1978	0.675118	1
1	2	15	71.6	1756		1.145402	
2	1	11	50.3			2.675811	
3	1	8	76			3.823658	
4	3	19	87.6	1118	1584	4.951551	
5	3	14	51.6	1182	1387	5.343087	
6	2	9	63.8	1060		6.539608	
7	3	14	98.3	1490	1085	7.95941	
8	3	16	82.3	1454	1448	8.04671	
9	3	20	75.1	1881	1432	9.191065	
10	1	19	92.5			10.9015	
11	1	17	69.7			11.8915	

Statistics 13 (ChirpCenter Frequency: 5545 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	10	50.3	1833		0.629269	1
1	2	19	75.8	1380		1.661891	
2	3	15	51.3	1876	1321	2.060223	
3	2	15	73.3	1699		3.369457	
4	1	5	68			4.074025	
5	1	15	68.4			4.982175	
6	1	6	71.4			6.25028	
7	2	15	71.7	1608		7.087649	
8	1	6	92.8			7.441726	
9	1	16	98.8			8.98772	
10	1	19	92.1			9.701247	
11	3	14	52.7	1031	1707	10.35925	
12	3	10	71.6	1953	1864	11.26537	

Statistics 14 (ChirpCenter Frequency: 5515 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	13	97.4	1189	1031	0.144009	1
1	1	6	78			1.480856	
2	2	16	66	1239		2.080654	
3	2	16	54.7	1889		2.766743	
4	2	11	83.3	1332		3.581578	
5	2	12	50.5	1197		4.659332	
6	2	6	87.3	1097		5.677494	
7	1	11	69.8			6.255455	
8	2	9	89.6	1744		7.350177	
9	2	10	89.4	1166		7.896709	
10	2	11	78.8	1242		8.659354	
11	3	11	69.2	1304	1476	10.16949	
12	1	14	64.1			10.44486	
13	1	18	81.7			11.18164	

Statistics 15 (ChirpCenter Frequency: 5501 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	8	97.9			0.453497	1
1	2	20	55.2	1029		1.065842	
2	2	15	92	1042		2.461204	
3	2	8	77.6	1649		3.066578	
4	3	16	59.9	1370	1570	3.893817	
5	1	7	86.1			4.292378	
6	2	9	52	1658		5.488433	
7	3	10	96.1	1514	1870	6.545295	
8	3	10	63.2	1624	1462	7.444251	
9	2	17	89.8	1973		8.423506	
10	3	19	78.8	1194	1843	8.949118	
11	3	18	94	1665	1322	10.1199	
12	2	12	83.6	1845		10.38079	
13	1	18	68.6			11.45709	

Statistics 16 (ChirpCenter Frequency: 5520 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	16	58.1	1424	1423	0.365212	1
1	1	11	62.4			2.154995	
2	3	5	75.6	1561	1870	2.640189	
3	2	7	68.4	1239		3.446057	
4	2	16	99.3	1548		5.212629	
5	3	15	63.6	1662	1653	5.514835	
6	2	6	89.2	1283		7.566479	
7	1	18	83.2			7.763702	
8	3	17	89.7	1481	1317	9.247694	
9	1	13	74.7			10.03398	
10	2	19	52.5	1952		11.52512	

Statistics 17 (ChirpCenter Frequency: 5534 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	9	89.3			0.679597	1
1	1	11	69.1			1.090942	
2	1	13	64.2			2.478768	
3	2	19	96.4	1494		3.420916	
4	3	15	94.8	1570	1927	3.805356	
5	2	14	61.3	1285		4.763885	
6	2	8	74.7	1543		5.47257	
7	2	11	94.6	1806		6.005103	
8	2	14	81.4	1173		7.388607	
9	1	12	97.5			8.544127	
10	1	17	87.4			9.345286	
11	2	8	65.9	1770		10.18719	
12	1	10	91.7			10.60608	
13	2	14	77.5	1999		11.45251	

Statistics 18 (ChirpCenter Frequency: 5519 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	11	61.8	1571		0.19767	1
1	3	11	84.6	1404	1142	0.939175	
2	1	7	89.6			1.772735	
3	2	5	75.6	1499		2.050432	
4	2	6	65.6	1852		2.651192	
5	3	10	82.2	1445	1006	3.367292	
6	1	8	64.6			4.329161	
7	3	14	80.6	1521	1523	4.649381	
8	1	10	96.6			5.48803	
9	2	6	55.7	1935		6.037349	
10	2	18	52.7	1249		6.845642	
11	2	16	55.4	1700		7.103856	
12	2	17	75.5	1886		7.659023	
13	1	16	81.8			8.802481	
14	2	13	56.2	1394		9.220491	
15	2	7	98.2	1491		10.03859	
16	2	13	59.1	1174		10.72082	
17	2	11	65.2	1478		11.20587	
18	1	16	84.9			11.52134	

Statistics 19 (ChirpCenter Frequency: 5548 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	14	55	1491		0.437588	1
1	3	14	83.5	1735	1532	1.196098	
2	2	6	52.3	1475		2.169847	
3	1	7	53.9			2.277017	
4	2	11	79.3	1165		3.112645	
5	1	11	95			4.189669	
6	2	17	76.3	1771		4.78322	
7	2	11	58.8	1538		5.373367	
8	2	20	51.4	1479		6.240214	
9	2	11	56	1704		7.299134	
10	2	19	60.6	1022		7.946426	
11	2	5	73.9	1055		8.528856	
12	2	18	85.6	1411		9.013432	
13	3	11	87.9	1400	1673	10.19827	
14	2	5	59.6	1206		10.94414	
15	2	20	99	1155		11.43823	

Statistics 20 (ChirpCenter Frequency: 5529 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	9	80.4	1710		0.658825	1
1	1	6	84.9			1.74872	
2	1	15	82.5			1.912563	
3	1	18	74.8			3.676846	
4	3	12	58.4	1963	1654	4.562958	
5	2	18	53.2	1449		5.325281	
6	2	5	96.8	1097		5.777944	
7	1	19	93.5			6.918678	
8	2	11	81.4	1877		7.712887	
9	2	12	64.2	1360		8.422633	
10	2	19	53.7	1921		10.09441	
11	3	15	57.6	1475	1898	11.00381	
12	2	9	76.3	1136		11.15722	

Statistics 21 (ChirpCenter Frequency: 5508 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	11	74.2			0.735672	1
1	3	17	98.5	1615	1648	1.520443	
2	1	14	92			2.989926	
3	1	8	72.8			4.666969	
4	2	19	86.6	1923		5.75626	
5	3	13	78.4	1239	1460	6.893541	
6	1	17	86.4			7.256159	
7	2	9	71.3	1153		8.74315	
8	2	9	81.2	1566		9.688741	
9	2	10	88	1986		11.75419	

Statistics 22 (ChirpCenter Frequency: 5513 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	13	66	1460		0.218501	1
1	2	10	69	1145		1.440067	
2	1	18	80.9			2.515534	
3	1	18	93.8			3.009768	
4	1	8	52.1			4.156261	
5	1	8	69.7			4.678419	
6	1	10	71.1			5.911066	
7	3	19	88.2	1649	1566	6.437047	
8	1	7	99.5			7.110533	
9	1	8	96.9			7.952841	
10	3	18	85	1710	1580	9.364186	
11	1	8	79.6			9.749169	
12	1	8	92.8			10.81561	
13	1	14	69.7			11.79469	

Statistics 23(ChirpCenter Frequency: 5527 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	10	78.3	1093		0.427149	1
1	1	18	50.1			0.823317	
2	2	12	69.1	1666		1.734994	
3	3	13	50.8	1821	1388	2.287871	
4	1	5	92.2			2.761396	
5	2	11	86.5	1735		3.699118	
6	3	19	97.1	1797	1204	3.98757	
7	2	7	59.4	1381		4.541319	
8	2	9	85.7	1608		5.569578	
9	2	16	73.6	1093		5.764523	
10	1	10	56.8			6.531614	
11	2	7	50.1	1745		7.569798	
12	2	6	90.5	1703		7.70919	
13	3	11	89.2	1731	1305	8.319072	
14	2	12	84.2	1675		8.972309	
15	3	16	79.3	1700	1163	9.691598	
16	2	5	70	1450		10.44722	
17	2	20	62.6	1080		10.95171	
18	1	17	87.1			11.81331	

Statistics 24(ChirpCenter Frequency: 5507 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	7	51.6	1194		0.374196	0
1	1	19	65			1.292965	
2	1	11	80.8			2.727984	
3	1	6	89.2			3.348446	
4	2	19	60.4	1840		4.097091	
5	2	15	57.4	1806		4.851486	
6	1	16	82.2			6.267474	
7	2	17	96.5	1153		7.135959	
8	2	12	59.9	1979		7.92254	
9	1	15	65.9			8.851902	
10	3	5	89.3	1792	1156	9.683722	
11	2	9	99.9	1914		10.48547	
12	3	15	70.2	1697	1764	11.78505	

Statistics 25(ChirpCenter Frequency: 5513 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	20	96.1	1769		0.606499	1
1	2	8	64.1	1303		1.600756	
2	1	16	70.2			3.156971	
3	2	8	82.4	1768		4.354525	
4	2	15	87.2	1936		5.222945	
5	2	12	79.1	1220		5.519731	
6	1	14	57.8			7.438959	
7	1	9	99.5			7.963743	
8	2	19	58	1800		9.386024	
9	2	9	59.7	1036		10.10884	
10	3	14	59.9	1108	1367	11.21548	

Statistics 26 (ChirpCenter Frequency: 5505 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	8	86.8	1935	1643	0.009323	1
1	3	5	92.3	1657	1452	1.907921	
2	2	10	56.7	1122		2.410016	
3	1	18	62.6			3.165724	
4	2	12	79.2	1607		4.099662	
5	1	12	62.8			5.97087	
6	2	9	56	1840		6.941375	
7	2	11	82.4	1668		7.591529	
8	2	16	63.9	1930		8.534461	
9	2	19	73.8	1795		9.65664	
10	2	18	67.2	1549		10.52115	
11	2	11	76.9	1871		11.05689	

Statistics 27 (ChirpCenter Frequency: 5519 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	10	95.5	1057		0.483859	1
1	2	9	56.5	1760		1.443606	
2	2	17	93.8	1296		1.759402	
3	2	15	99.3	1403		2.74887	
4	2	9	93.8	1306		3.498129	
5	1	16	52.1			3.805434	
6	2	15	99.2	1476		4.739218	
7	2	5	53.4	1254		5.324942	
8	1	9	63.2			6.210315	
9	2	11	79.6	1204		6.881241	
10	2	16	84.3	1915		7.863888	
11	1	5	79.4			8.255843	
12	2	19	51.4	1201		9.299819	
13	1	18	53.9			9.821384	
14	2	14	95.4	1990		10.8847	
15	2	9	63.7	1249		11.48049	

Statistics 28 (ChirpCenter Frequency: 5547 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	3	6	83.7	1907	1795	0.32358	1
1	2	18	95.1	1802		0.755876	
2	3	13	66.4	1790	1079	1.44274	
3	3	7	97.9	1449	1408	1.980565	
4	2	8	60.4	1761		3.053187	
5	2	18	80.2	1059		3.747561	
6	1	13	98.6			3.864602	
7	2	6	75.1	1227		4.896569	
8	1	19	99.3			5.605384	
9	2	7	91.7	1842		5.778634	
10	2	9	83	1208		6.673402	
11	2	10	51.7	1001		6.990021	
12	1	10	93.2			7.957915	
13	1	18	52.5			8.551072	
14	2	11	78.4	1026		9.371896	
15	2	16	63.4	1492		9.929776	
16	2	18	77.3	1014		10.31735	
17	2	10	72.4	2000		10.73969	
18	3	7	85.3	1505	1192	11.73653	

Statistics 29 (ChirpCenter Frequency: 5520 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	1	10	74.8			0.471254	1
1	2	14	79.2	1627		2.177715	
2	1	19	69.3			4.449996	
3	2	11	83.8	1571		5.572689	
4	3	8	100	1117	1467	6.135961	
5	3	6	93.1	1095	1403	7.837832	
6	2	18	73.2	1664		9.768959	
7	3	6	71.5	1009	1920	10.51647	

Statistics 30 (ChirpCenter Frequency: 5545 MHz)

Trial #	Pulse	Chirp(MHz)	Pulse Width (µS)	Pulse 1-2 spacing(uS)	Pulse 2-3 spacing(uS)	Pulse Start(S)	Detection (1:yes;0:no)
0	2	13	83.1	1517		0.525542	1
1	1	16	93.1			1.098641	
2	3	8	97.8	1941	1926	1.812863	
3	3	15	66.8	1428	1989	2.184072	
4	2	9	92.5	1772		2.592075	
5	1	17	90.5			3.387984	
6	3	8	81	1551	1678	4.264246	
7	3	19	60.1	1122	1762	4.551127	
8	1	14	76.6			5.540059	
9	3	19	97	1557	1500	6.210548	
10	1	15	93.1			6.866981	
11	1	10	74.8			7.055362	
12	3	8	55.3	1998	1477	7.996273	
13	2	6	80	1071		8.310787	
14	2	14	53	1815		9.367113	
15	2	14	76	1528		9.940613	
16	1	15	69.6			10.55391	
17	1	16	76.1			11.0638	
18	2	11	90.6	1601		11.40416	

Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5530	9	1	333	1	5649.0, 5430.0, 5393.0, 5672.0, 5576.0, 5443.0, 5716.0, 5581.0, 5637.0, 5552.0, 5357.0, 5398.0, 5341.0, 5371.0, 5484.0, 5537.0, 5604.0, 5304.0, 5541.0, 5274.0, 5330.0, 5572.0, 5488.0, 5643.0, 5612.0, 5385.0, 5384.0, 5295.0, 5544.0, 5706.0, 5549.0, 5564.0, 5424.0, 5590.0, 5662.0, 5381.0, 5297.0, 5555.0, 5465.0, 5720.0, 5291.0, 5514.0, 5292.0, 5370.0, 5294.0, 5347.0, 5366.0, 5602.0, 5570.0, 5636.0, 5517.0, 5584.0, 5709.0, 5408.0, 5510.0, 5397.0, 5682.0, 5306.0, 5457.0, 5302.0, 5296.0, 5558.0, 5513.0, 5652.0, 5402.0, 5673.0, 5715.0, 5562.0, 5610.0, 5252.0, 5444.0, 5348.0, 5719.0, 5312.0, 5529.0, 5455.0, 5472.0, 5540.0, 5258.0, 5440.0, 5487.0, 5415.0, 5301.0, 5687.0, 5261.0, 5349.0, 5356.0, 5594.0, 5663.0, 5481.0, 5407.0, 5644.0, 5627.0, 5288.0, 5434.0, 5694.0, 5528.0, 5345.0, 5392.0, 5335.0 (number of hits: 16)
2	5530	9	1	333	1	5690.0, 5499.0, 5335.0, 5443.0, 5679.0, 5627.0, 5710.0, 5701.0, 5312.0, 5723.0, 5566.0, 5376.0, 5622.0, 5422.0, 5592.0, 5538.0, 5430.0, 5406.0, 5492.0, 5546.0, 5383.0, 5664.0, 5537.0, 5455.0, 5456.0, 5463.0, 5447.0, 5638.0, 5386.0, 5671.0, 5275.0, 5719.0, 5502.0, 5486.0, 5551.0, 5584.0, 5583.0, 5358.0, 5576.0, 5707.0, 5318.0, 5273.0, 5302.0, 5399.0, 5321.0, 5256.0, 5348.0, 5556.0, 5266.0, 5660.0, 5618.0, 5307.0, 5681.0, 5414.0, 5712.0, 5589.0, 5336.0, 5343.0, 5500.0, 5352.0, 5636.0, 5451.0, 5421.0, 5708.0, 5437.0, 5367.0, 5473.0, 5519.0, 5388.0, 5353.0, 5571.0, 5547.0, 5605.0, 5461.0, 5581.0, 5633.0, 5403.0, 5251.0, 5413.0, 5389.0, 5651.0, 5517.0, 5398.0, 5370.0, 5722.0, 5550.0, 5475.0, 5693.0, 5278.0, 5267.0, 5676.0, 5442.0, 5300.0, 5532.0, 5350.0, 5493.0, 5259.0, 5467.0, 5303.0, 5663.0 (number of hits: 16)
3	5530	9	1	333	1	5539.0, 5484.0, 5364.0, 5273.0, 5637.0, 5311.0, 5543.0, 5684.0, 5629.0, 5570.0, 5537.0, 5658.0, 5437.0, 5320.0, 5481.0, 5580.0, 5510.0, 5696.0, 5283.0, 5545.0, 5669.0, 5502.0, 5709.0, 5515.0, 5596.0, 5267.0, 5340.0, 5554.0, 5487.0, 5547.0, 5434.0, 5464.0, 5670.0, 5408.0, 5523.0, 5379.0, 5536.0, 5479.0, 5281.0, 5375.0, 5660.0, 5716.0, 5353.0, 5336.0, 5278.0, 5640.0, 5251.0, 5290.0, 5272.0, 5441.0, 5621.0, 5253.0, 5407.0, 5519.0, 5711.0, 5440.0, 5429.0, 5342.0, 5700.0, 5366.0,

						5689.0, 5657.0, 5288.0, 5631.0, 5676.0, 5688.0, 5259.0, 5325.0, 5271.0, 5258.0, 5586.0, 5365.0, 5606.0, 5590.0, 5282.0, 5683.0, 5534.0, 5456.0, 5602.0, 5522.0, 5535.0, 5447.0, 5331.0, 5335.0, 5642.0, 5595.0, 5414.0, 5428.0, 5597.0, 5328.0, 5462.0, 5370.0, 5389.0, 5566.0, 5654.0, 5343.0, 5530.0, 5480.0, 5587.0, 5381.0 (number of hits: 17)
4	5530	9	1	333	1	5275.0, 5341.0, 5455.0, 5419.0, 5622.0, 5690.0, 5574.0, 5405.0, 5572.0, 5618.0, 5606.0, 5673.0, 5646.0, 5376.0, 5674.0, 5410.0, 5349.0, 5615.0, 5521.0, 5523.0, 5476.0, 5487.0, 5281.0, 5661.0, 5556.0, 5637.0, 5310.0, 5544.0, 5388.0, 5453.0, 5356.0, 5450.0, 5621.0, 5456.0, 5614.0, 5263.0, 5482.0, 5369.0, 5541.0, 5510.0, 5326.0, 5576.0, 5348.0, 5676.0, 5259.0, 5501.0, 5297.0, 5502.0, 5570.0, 5721.0, 5446.0, 5529.0, 5519.0, 5703.0, 5562.0, 5577.0, 5579.0, 5665.0, 5683.0, 5291.0, 5409.0, 5711.0, 5512.0, 5609.0, 5584.0, 5278.0, 5535.0, 5459.0, 5270.0, 5518.0, 5671.0, 5691.0, 5377.0, 5309.0, 5392.0, 5399.0, 5448.0, 5467.0, 5513.0, 5355.0, 5374.0, 5645.0, 5586.0, 5582.0, 5437.0, 5605.0, 5548.0, 5659.0, 5407.0, 5504.0, 5485.0, 5391.0, 5390.0, 5686.0, 5492.0, 5276.0, 5636.0, 5486.0, 5695.0, 5266.0 (number of hits: 18)
5	5530	9	1	333	1	5376.0, 5405.0, 5665.0, 5310.0, 5574.0, 5418.0, 5377.0, 5584.0, 5506.0, 5551.0, 5469.0, 5362.0, 5460.0, 5462.0, 5295.0, 5528.0, 5274.0, 5468.0, 5457.0, 5572.0, 5387.0, 5674.0, 5662.0, 5525.0, 5452.0, 5329.0, 5722.0, 5321.0, 5712.0, 5640.0, 5683.0, 5571.0, 5623.0, 5303.0, 5299.0, 5308.0, 5275.0, 5641.0, 5458.0, 5432.0, 5575.0, 5445.0, 5527.0, 5704.0, 5480.0, 5539.0, 5425.0, 5400.0, 5374.0, 5664.0, 5489.0, 5513.0, 5266.0, 5414.0, 5590.0, 5653.0, 5317.0, 5566.0, 5563.0, 5465.0, 5541.0, 5671.0, 5406.0, 5375.0, 5618.0, 5603.0, 5424.0, 5526.0, 5471.0, 5331.0, 5547.0, 5498.0, 5554.0, 5550.0, 5636.0, 5644.0, 5587.0, 5355.0, 5546.0, 5259.0, 5389.0, 5351.0, 5293.0, 5647.0, 5428.0, 5561.0, 5491.0, 5600.0, 5661.0, 5380.0, 5323.0, 5263.0, 5298.0, 5333.0, 5580.0, 5718.0, 5651.0, 5582.0, 5319.0, 5290.0 (number of hits: 18)
6	5530	9	1	333	1	5611.0, 5713.0, 5358.0, 5393.0, 5663.0, 5702.0, 5552.0, 5579.0, 5595.0, 5557.0, 5519.0, 5394.0, 5471.0, 5588.0, 5391.0, 5459.0, 5501.0, 5478.0, 5401.0, 5489.0, 5553.0, 5425.0, 5433.0, 5362.0, 5424.0, 5418.0, 5288.0, 5609.0, 5511.0, 5329.0, 5316.0, 5300.0, 5342.0, 5508.0, 5715.0, 5274.0, 5678.0, 5635.0, 5643.0, 5328.0,

						5366.0, 5662.0, 5421.0, 5397.0, 5265.0, 5455.0, 5589.0, 5531.0, 5435.0, 5365.0, 5283.0, 5476.0, 5450.0, 5603.0, 5267.0, 5406.0, 5399.0, 5694.0, 5556.0, 5648.0, 5682.0, 5615.0, 5260.0, 5533.0, 5309.0, 5672.0, 5262.0, 5564.0, 5571.0, 5279.0, 5264.0, 5448.0, 5458.0, 5699.0, 5266.0, 5592.0, 5577.0, 5474.0, 5254.0, 5559.0, 5284.0, 5542.0, 5537.0, 5444.0, 5416.0, 5461.0, 5721.0, 5560.0, 5420.0, 5336.0, 5638.0, 5574.0, 5355.0, 5257.0, 5434.0, 5426.0, 5706.0, 5594.0, 5647.0, 5308.0 (number of hits: 15)
7	5530	9	1	333	1	5535.0, 5460.0, 5606.0, 5593.0, 5632.0, 5274.0, 5468.0, 5400.0, 5296.0, 5629.0, 5334.0, 5383.0, 5401.0, 5639.0, 5499.0, 5333.0, 5285.0, 5553.0, 5524.0, 5322.0, 5326.0, 5710.0, 5459.0, 5575.0, 5642.0, 5357.0, 5694.0, 5676.0, 5605.0, 5360.0, 5691.0, 5686.0, 5418.0, 5384.0, 5432.0, 5349.0, 5503.0, 5661.0, 5489.0, 5287.0, 5413.0, 5288.0, 5491.0, 5654.0, 5684.0, 5721.0, 5379.0, 5697.0, 5427.0, 5655.0, 5277.0, 5534.0, 5544.0, 5699.0, 5292.0, 5504.0, 5351.0, 5517.0, 5540.0, 5477.0, 5367.0, 5672.0, 5700.0, 5364.0, 5595.0, 5598.0, 5559.0, 5316.0, 5713.0, 5530.0, 5312.0, 5412.0, 5511.0, 5508.0, 5572.0, 5280.0, 5556.0, 5259.0, 5337.0, 5425.0, 5693.0, 5395.0, 5682.0, 5336.0, 5518.0, 5711.0, 5560.0, 5355.0, 5286.0, 5513.0, 5465.0, 5371.0, 5637.0, 5625.0, 5444.0, 5457.0, 5550.0, 5419.0, 5467.0, 5301.0 (number of hits: 20)
8	5530	9	1	333	1	5558.0, 5552.0, 5700.0, 5693.0, 5407.0, 5599.0, 5547.0, 5680.0, 5581.0, 5350.0, 5302.0, 5360.0, 5421.0, 5660.0, 5319.0, 5582.0, 5710.0, 5322.0, 5565.0, 5492.0, 5589.0, 5446.0, 5650.0, 5611.0, 5569.0, 5634.0, 5440.0, 5593.0, 5641.0, 5397.0, 5516.0, 5537.0, 5628.0, 5380.0, 5550.0, 5716.0, 5566.0, 5341.0, 5661.0, 5442.0, 5592.0, 5377.0, 5461.0, 5578.0, 5396.0, 5624.0, 5398.0, 5393.0, 5266.0, 5427.0, 5497.0, 5486.0, 5365.0, 5524.0, 5706.0, 5301.0, 5330.0, 5553.0, 5312.0, 5359.0, 5317.0, 5519.0, 5358.0, 5314.0, 5426.0, 5499.0, 5723.0, 5449.0, 5417.0, 5402.0, 5450.0, 5300.0, 5690.0, 5355.0, 5482.0, 5571.0, 5473.0, 5538.0, 5488.0, 5431.0, 5375.0, 5665.0, 5432.0, 5437.0, 5667.0, 5331.0, 5273.0, 5447.0, 5452.0, 5379.0, 5351.0, 5349.0, 5337.0, 5289.0, 5570.0, 5281.0, 5640.0, 5418.0, 5494.0, 5585.0 (number of hits: 17)
9	5530	9	1	333	1	5406.0, 5449.0, 5251.0, 5568.0, 5692.0, 5412.0, 5262.0, 5397.0, 5723.0, 5349.0, 5362.0, 5638.0, 5424.0, 5569.0, 5698.0, 5266.0, 5605.0, 5717.0, 5378.0, 5458.0,

						5702.0, 5503.0, 5261.0, 5603.0, 5356.0, 5506.0, 5297.0, 5573.0, 5489.0, 5654.0, 5653.0, 5267.0, 5555.0, 5395.0, 5493.0, 5551.0, 5381.0, 5579.0, 5431.0, 5454.0, 5677.0, 5670.0, 5594.0, 5252.0, 5389.0, 5394.0, 5519.0, 5400.0, 5523.0, 5548.0, 5636.0, 5319.0, 5610.0, 5673.0, 5664.0, 5306.0, 5250.0, 5704.0, 5444.0, 5558.0, 5645.0, 5371.0, 5340.0, 5423.0, 5490.0, 5533.0, 5254.0, 5439.0, 5588.0, 5663.0, 5463.0, 5492.0, 5701.0, 5309.0, 5353.0, 5476.0, 5626.0, 5542.0, 5269.0, 5351.0, 5263.0, 5706.0, 5682.0, 5587.0, 5505.0, 5314.0, 5665.0, 5540.0, 5618.0, 5713.0, 5722.0, 5390.0, 5275.0, 5486.0, 5300.0, 5494.0, 5517.0, 5534.0, 5312.0, 5667.0 (number of hits: 20)
10	5530	9	1	333	1	5565.0, 5424.0, 5295.0, 5381.0, 5466.0, 5663.0, 5600.0, 5376.0, 5442.0, 5525.0, 5265.0, 5585.0, 5278.0, 5617.0, 5406.0, 5252.0, 5607.0, 5662.0, 5415.0, 5603.0, 5347.0, 5598.0, 5580.0, 5509.0, 5298.0, 5586.0, 5383.0, 5309.0, 5503.0, 5346.0, 5390.0, 5339.0, 5280.0, 5343.0, 5473.0, 5425.0, 5511.0, 5304.0, 5559.0, 5311.0, 5364.0, 5563.0, 5357.0, 5568.0, 5284.0, 5549.0, 5504.0, 5625.0, 5664.0, 5493.0, 5456.0, 5669.0, 5616.0, 5554.0, 5593.0, 5486.0, 5704.0, 5251.0, 5667.0, 5505.0, 5451.0, 5399.0, 5557.0, 5313.0, 5689.0, 5463.0, 5524.0, 5613.0, 5497.0, 5545.0, 5369.0, 5614.0, 5300.0, 5476.0, 5256.0, 5317.0, 5276.0, 5349.0, 5281.0, 5494.0, 5459.0, 5330.0, 5404.0, 5693.0, 5293.0, 5316.0, 5341.0, 5694.0, 5683.0, 5414.0, 5566.0, 5692.0, 5523.0, 5630.0, 5322.0, 5454.0, 5371.0, 5441.0, 5581.0, 5353.0 (number of hits: 20)
11	5530	9	1	333	1	5403.0, 5601.0, 5559.0, 5570.0, 5555.0, 5394.0, 5326.0, 5261.0, 5283.0, 5669.0, 5693.0, 5482.0, 5321.0, 5638.0, 5405.0, 5512.0, 5557.0, 5687.0, 5643.0, 5399.0, 5542.0, 5467.0, 5489.0, 5702.0, 5340.0, 5497.0, 5315.0, 5472.0, 5671.0, 5585.0, 5676.0, 5277.0, 5311.0, 5441.0, 5355.0, 5330.0, 5429.0, 5375.0, 5565.0, 5416.0, 5598.0, 5430.0, 5320.0, 5612.0, 5682.0, 5284.0, 5339.0, 5611.0, 5518.0, 5607.0, 5720.0, 5462.0, 5679.0, 5507.0, 5313.0, 5637.0, 5316.0, 5427.0, 5694.0, 5276.0, 5342.0, 5635.0, 5250.0, 5279.0, 5639.0, 5619.0, 5660.0, 5608.0, 5454.0, 5509.0, 5387.0, 5529.0, 5523.0, 5372.0, 5491.0, 5253.0, 5362.0, 5646.0, 5445.0, 5664.0, 5263.0, 5714.0, 5704.0, 5258.0, 5558.0, 5494.0, 5501.0, 5602.0, 5436.0, 5510.0, 5719.0, 5275.0, 5580.0, 5359.0, 5461.0, 5444.0, 5711.0, 5270.0, 5623.0, 5396.0 (number of hits: 17)

12	5530	9	1	333	1	5715.0, 5340.0, 5568.0, 5317.0, 5647.0, 5718.0, 5435.0, 5433.0, 5661.0, 5491.0, 5380.0, 5638.0, 5494.0, 5354.0, 5382.0, 5322.0, 5512.0, 5267.0, 5484.0, 5400.0, 5468.0, 5405.0, 5428.0, 5364.0, 5539.0, 5473.0, 5377.0, 5558.0, 5617.0, 5686.0, 5445.0, 5374.0, 5479.0, 5470.0, 5518.0, 5276.0, 5459.0, 5328.0, 5441.0, 5673.0, 5467.0, 5409.0, 5483.0, 5300.0, 5269.0, 5623.0, 5251.0, 5664.0, 5408.0, 5347.0, 5602.0, 5314.0, 5628.0, 5310.0, 5522.0, 5665.0, 5692.0, 5712.0, 5572.0, 5667.0, 5462.0, 5258.0, 5643.0, 5609.0, 5502.0, 5581.0, 5514.0, 5684.0, 5621.0, 5595.0, 5254.0, 5637.0, 5566.0, 5674.0, 5689.0, 5599.0, 5391.0, 5372.0, 5447.0, 5335.0, 5464.0, 5593.0, 5608.0, 5496.0, 5427.0, 5556.0, 5523.0, 5325.0, 5585.0, 5478.0, 5592.0, 5543.0, 5517.0, 5635.0, 5318.0, 5618.0, 5266.0, 5366.0, 5264.0, 5680.0 (number of hits: 16)
13	5530	9	1	333	1	5318.0, 5690.0, 5708.0, 5252.0, 5719.0, 5663.0, 5638.0, 5618.0, 5686.0, 5552.0, 5475.0, 5296.0, 5394.0, 5611.0, 5570.0, 5499.0, 5597.0, 5287.0, 5280.0, 5706.0, 5403.0, 5564.0, 5452.0, 5372.0, 5495.0, 5444.0, 5557.0, 5276.0, 5717.0, 5457.0, 5560.0, 5419.0, 5629.0, 5263.0, 5477.0, 5354.0, 5476.0, 5642.0, 5682.0, 5405.0, 5293.0, 5456.0, 5393.0, 5518.0, 5413.0, 5342.0, 5357.0, 5367.0, 5339.0, 5593.0, 5639.0, 5622.0, 5305.0, 5496.0, 5549.0, 5267.0, 5275.0, 5298.0, 5262.0, 5392.0, 5598.0, 5319.0, 5288.0, 5355.0, 5362.0, 5640.0, 5373.0, 5519.0, 5294.0, 5370.0, 5594.0, 5437.0, 5306.0, 5255.0, 5473.0, 5338.0, 5439.0, 5314.0, 5584.0, 5534.0, 5576.0, 5380.0, 5383.0, 5554.0, 5723.0, 5651.0, 5307.0, 5423.0, 5692.0, 5374.0, 5300.0, 5360.0, 5460.0, 5485.0, 5718.0, 5589.0, 5660.0, 5505.0, 5650.0, 5623.0 (number of hits: 13)
14	5530	9	1	333	1	5359.0, 5676.0, 5674.0, 5383.0, 5363.0, 5312.0, 5699.0, 5276.0, 5346.0, 5378.0, 5683.0, 5703.0, 5311.0, 5546.0, 5496.0, 5285.0, 5534.0, 5490.0, 5551.0, 5543.0, 5480.0, 5402.0, 5412.0, 5682.0, 5470.0, 5460.0, 5519.0, 5629.0, 5295.0, 5647.0, 5649.0, 5628.0, 5473.0, 5262.0, 5446.0, 5259.0, 5279.0, 5708.0, 5506.0, 5529.0, 5680.0, 5535.0, 5462.0, 5344.0, 5668.0, 5601.0, 5401.0, 5424.0, 5718.0, 5538.0, 5303.0, 5495.0, 5282.0, 5635.0, 5696.0, 5505.0, 5521.0, 5428.0, 5356.0, 5389.0, 5694.0, 5385.0, 5584.0, 5583.0, 5442.0, 5558.0, 5335.0, 5256.0, 5615.0, 5598.0, 5568.0, 5475.0, 5618.0, 5366.0, 5483.0, 5457.0, 5360.0, 5404.0, 5321.0, 5623.0, 5255.0, 5526.0, 5652.0, 5663.0, 5416.0, 5420.0, 5269.0, 5590.0, 5679.0, 5641.0,

						5265.0, 5672.0, 5440.0, 5669.0, 5512.0, 5552.0, 5310.0, 5477.0, 5370.0, 5472.0 (number of hits: 19)
15	5530	9	1	333	1	5492.0, 5685.0, 5266.0, 5567.0, 5469.0, 5561.0, 5700.0, 5630.0, 5273.0, 5613.0, 5395.0, 5610.0, 5394.0, 5388.0, 5680.0, 5294.0, 5639.0, 5693.0, 5575.0, 5495.0, 5400.0, 5264.0, 5406.0, 5593.0, 5556.0, 5318.0, 5619.0, 5453.0, 5421.0, 5653.0, 5515.0, 5370.0, 5319.0, 5265.0, 5271.0, 5412.0, 5591.0, 5668.0, 5482.0, 5253.0, 5432.0, 5629.0, 5470.0, 5612.0, 5519.0, 5670.0, 5413.0, 5493.0, 5276.0, 5350.0, 5589.0, 5303.0, 5634.0, 5462.0, 5391.0, 5404.0, 5694.0, 5631.0, 5458.0, 5279.0, 5405.0, 5686.0, 5274.0, 5468.0, 5262.0, 5356.0, 5461.0, 5442.0, 5302.0, 5638.0, 5525.0, 5550.0, 5296.0, 5383.0, 5496.0, 5681.0, 5702.0, 5277.0, 5555.0, 5342.0, 5309.0, 5683.0, 5481.0, 5611.0, 5433.0, 5506.0, 5332.0, 5256.0, 5580.0, 5510.0, 5546.0, 5485.0, 5270.0, 5373.0, 5272.0, 5415.0, 5297.0, 5598.0, 5570.0, 5447.0 (number of hits: 15)
16	5530	9	1	333	1	5670.0, 5302.0, 5695.0, 5501.0, 5297.0, 5653.0, 5565.0, 5507.0, 5337.0, 5649.0, 5518.0, 5574.0, 5485.0, 5455.0, 5552.0, 5595.0, 5441.0, 5436.0, 5617.0, 5354.0, 5583.0, 5393.0, 5430.0, 5350.0, 5328.0, 5622.0, 5494.0, 5599.0, 5650.0, 5340.0, 5526.0, 5493.0, 5634.0, 5694.0, 5669.0, 5458.0, 5351.0, 5679.0, 5353.0, 5539.0, 5592.0, 5686.0, 5723.0, 5548.0, 5618.0, 5641.0, 5357.0, 5563.0, 5492.0, 5491.0, 5409.0, 5289.0, 5510.0, 5661.0, 5713.0, 5604.0, 5608.0, 5473.0, 5342.0, 5681.0, 5477.0, 5355.0, 5557.0, 5654.0, 5431.0, 5519.0, 5384.0, 5396.0, 5658.0, 5374.0, 5277.0, 5464.0, 5517.0, 5569.0, 5698.0, 5678.0, 5637.0, 5657.0, 5323.0, 5282.0, 5580.0, 5516.0, 5531.0, 5479.0, 5334.0, 5596.0, 5339.0, 5395.0, 5509.0, 5349.0, 5272.0, 5544.0, 5612.0, 5335.0, 5385.0, 5435.0, 5444.0, 5656.0, 5472.0, 5460.0 (number of hits: 22)
17	5530	9	1	333	1	5643.0, 5516.0, 5458.0, 5301.0, 5254.0, 5455.0, 5606.0, 5503.0, 5700.0, 5341.0, 5400.0, 5513.0, 5397.0, 5526.0, 5478.0, 5409.0, 5356.0, 5704.0, 5680.0, 5665.0, 5372.0, 5252.0, 5263.0, 5465.0, 5592.0, 5635.0, 5423.0, 5382.0, 5352.0, 5632.0, 5468.0, 5508.0, 5457.0, 5650.0, 5682.0, 5294.0, 5264.0, 5454.0, 5439.0, 5414.0, 5483.0, 5348.0, 5684.0, 5628.0, 5520.0, 5556.0, 5500.0, 5615.0, 5601.0, 5387.0, 5333.0, 5325.0, 5563.0, 5442.0, 5410.0, 5566.0, 5678.0, 5357.0, 5578.0, 5538.0, 5586.0, 5709.0, 5309.0, 5421.0, 5533.0, 5327.0, 5475.0, 5536.0, 5534.0, 5365.0, 5265.0, 5437.0, 5587.0, 5444.0, 5476.0,

						5558.0, 5494.0, 5469.0, 5547.0, 5425.0, 5269.0, 5611.0, 5479.0, 5639.0, 5452.0, 5447.0, 5627.0, 5677.0, 5504.0, 5320.0, 5367.0, 5656.0, 5459.0, 5255.0, 5690.0, 5507.0, 5328.0, 5600.0, 5565.0, 5541.0 (number of hits: 21)
18	5530	9	1	333	1	5684.0, 5635.0, 5642.0, 5413.0, 5299.0, 5298.0, 5285.0, 5572.0, 5531.0, 5648.0, 5504.0, 5331.0, 5419.0, 5363.0, 5312.0, 5462.0, 5595.0, 5693.0, 5614.0, 5554.0, 5701.0, 5624.0, 5645.0, 5454.0, 5705.0, 5468.0, 5599.0, 5592.0, 5530.0, 5385.0, 5274.0, 5320.0, 5326.0, 5573.0, 5276.0, 5350.0, 5315.0, 5544.0, 5453.0, 5409.0, 5399.0, 5449.0, 5332.0, 5390.0, 5703.0, 5369.0, 5286.0, 5500.0, 5520.0, 5675.0, 5708.0, 5497.0, 5644.0, 5329.0, 5262.0, 5458.0, 5398.0, 5628.0, 5655.0, 5293.0, 5632.0, 5415.0, 5545.0, 5653.0, 5418.0, 5358.0, 5522.0, 5568.0, 5272.0, 5383.0, 5306.0, 5565.0, 5305.0, 5473.0, 5597.0, 5429.0, 5542.0, 5576.0, 5361.0, 5301.0, 5360.0, 5420.0, 5575.0, 5546.0, 5502.0, 5324.0, 5443.0, 5607.0, 5662.0, 5414.0, 5463.0, 5719.0, 5256.0, 5630.0, 5387.0, 5424.0, 5339.0, 5618.0, 5540.0, 5652.0 (number of hits: 16)
19	5530	9	1	333	1	5645.0, 5576.0, 5555.0, 5481.0, 5378.0, 5626.0, 5510.0, 5647.0, 5542.0, 5547.0, 5705.0, 5363.0, 5443.0, 5322.0, 5431.0, 5302.0, 5251.0, 5580.0, 5607.0, 5348.0, 5303.0, 5658.0, 5390.0, 5452.0, 5694.0, 5290.0, 5627.0, 5556.0, 5478.0, 5595.0, 5668.0, 5623.0, 5598.0, 5579.0, 5566.0, 5308.0, 5312.0, 5461.0, 5537.0, 5615.0, 5494.0, 5374.0, 5331.0, 5258.0, 5666.0, 5372.0, 5524.0, 5487.0, 5611.0, 5289.0, 5332.0, 5523.0, 5563.0, 5535.0, 5670.0, 5260.0, 5311.0, 5649.0, 5309.0, 5704.0, 5402.0, 5441.0, 5588.0, 5502.0, 5659.0, 5338.0, 5545.0, 5687.0, 5549.0, 5680.0, 5409.0, 5357.0, 5437.0, 5445.0, 5483.0, 5669.0, 5321.0, 5395.0, 5292.0, 5489.0, 5570.0, 5382.0, 5685.0, 5715.0, 5592.0, 5323.0, 5613.0, 5718.0, 5600.0, 5643.0, 5709.0, 5629.0, 5436.0, 5583.0, 5271.0, 5269.0, 5559.0, 5335.0, 5530.0, 5650.0 (number of hits: 17)
20	5530	9	1	333	1	5643.0, 5545.0, 5455.0, 5376.0, 5291.0, 5536.0, 5277.0, 5387.0, 5507.0, 5296.0, 5566.0, 5573.0, 5721.0, 5717.0, 5443.0, 5560.0, 5292.0, 5470.0, 5373.0, 5317.0, 5392.0, 5575.0, 5595.0, 5633.0, 5669.0, 5401.0, 5690.0, 5265.0, 5347.0, 5446.0, 5428.0, 5250.0, 5400.0, 5710.0, 5567.0, 5678.0, 5493.0, 5464.0, 5366.0, 5697.0, 5570.0, 5496.0, 5640.0, 5433.0, 5276.0, 5608.0, 5314.0, 5630.0, 5704.0, 5531.0, 5635.0, 5673.0, 5263.0, 5699.0, 5404.0,

						5281.0, 5647.0, 5648.0, 5253.0, 5546.0, 5489.0, 5604.0, 5670.0, 5307.0, 5503.0, 5480.0, 5416.0, 5391.0, 5576.0, 5259.0, 5611.0, 5383.0, 5358.0, 5626.0, 5502.0, 5675.0, 5431.0, 5525.0, 5321.0, 5702.0, 5605.0, 5625.0, 5273.0, 5372.0, 5685.0, 5620.0, 5617.0, 5636.0, 5463.0, 5297.0, 5454.0, 5378.0, 5384.0, 5676.0, 5650.0, 5715.0, 5270.0, 5563.0, 5571.0, 5696.0 (number of hits: 14)
21	5530	9	1	333	1	5525.0, 5602.0, 5398.0, 5415.0, 5685.0, 5617.0, 5370.0, 5573.0, 5320.0, 5715.0, 5282.0, 5677.0, 5484.0, 5697.0, 5499.0, 5443.0, 5493.0, 5669.0, 5362.0, 5559.0, 5441.0, 5285.0, 5314.0, 5338.0, 5505.0, 5265.0, 5383.0, 5646.0, 5330.0, 5317.0, 5657.0, 5604.0, 5620.0, 5543.0, 5660.0, 5534.0, 5350.0, 5633.0, 5474.0, 5519.0, 5693.0, 5273.0, 5408.0, 5358.0, 5302.0, 5628.0, 5460.0, 5562.0, 5294.0, 5430.0, 5658.0, 5571.0, 5676.0, 5318.0, 5535.0, 5635.0, 5596.0, 5284.0, 5666.0, 5346.0, 5306.0, 5479.0, 5632.0, 5459.0, 5292.0, 5331.0, 5418.0, 5517.0, 5482.0, 5304.0, 5274.0, 5638.0, 5686.0, 5464.0, 5549.0, 5271.0, 5521.0, 5466.0, 5402.0, 5546.0, 5594.0, 5523.0, 5557.0, 5472.0, 5324.0, 5409.0, 5349.0, 5297.0, 5453.0, 5639.0, 5503.0, 5485.0, 5252.0, 5480.0, 5295.0, 5563.0, 5518.0, 5691.0, 5368.0, 5589.0 (number of hits: 19)
22	5530	9	1	333	1	5571.0, 5482.0, 5676.0, 5560.0, 5464.0, 5423.0, 5342.0, 5437.0, 5306.0, 5721.0, 5485.0, 5457.0, 5614.0, 5590.0, 5673.0, 5371.0, 5427.0, 5613.0, 5351.0, 5518.0, 5420.0, 5718.0, 5313.0, 5631.0, 5556.0, 5534.0, 5429.0, 5259.0, 5478.0, 5290.0, 5481.0, 5263.0, 5428.0, 5634.0, 5303.0, 5307.0, 5601.0, 5637.0, 5431.0, 5539.0, 5283.0, 5465.0, 5554.0, 5632.0, 5699.0, 5641.0, 5716.0, 5583.0, 5577.0, 5358.0, 5256.0, 5575.0, 5408.0, 5379.0, 5708.0, 5415.0, 5377.0, 5309.0, 5710.0, 5621.0, 5468.0, 5544.0, 5677.0, 5370.0, 5366.0, 5254.0, 5714.0, 5650.0, 5548.0, 5417.0, 5349.0, 5294.0, 5700.0, 5717.0, 5258.0, 5455.0, 5531.0, 5390.0, 5596.0, 5322.0, 5295.0, 5696.0, 5529.0, 5395.0, 5500.0, 5711.0, 5640.0, 5656.0, 5416.0, 5269.0, 5552.0, 5513.0, 5649.0, 5396.0, 5433.0, 5327.0, 5456.0, 5305.0, 5655.0, 5723.0 (number of hits: 13)
23	5530	9	1	333	1	5362.0, 5413.0, 5679.0, 5604.0, 5587.0, 5557.0, 5318.0, 5713.0, 5433.0, 5556.0, 5439.0, 5593.0, 5375.0, 5674.0, 5581.0, 5263.0, 5315.0, 5717.0, 5428.0, 5384.0, 5589.0, 5425.0, 5542.0, 5565.0, 5267.0, 5504.0, 5631.0, 5432.0, 5400.0, 5677.0, 5325.0, 5525.0, 5516.0, 5406.0, 5350.0,

						5576.0, 5411.0, 5296.0, 5383.0, 5480.0, 5658.0, 5341.0, 5681.0, 5491.0, 5597.0, 5268.0, 5636.0, 5644.0, 5314.0, 5378.0, 5343.0, 5260.0, 5718.0, 5303.0, 5704.0, 5685.0, 5700.0, 5329.0, 5324.0, 5305.0, 5371.0, 5273.0, 5535.0, 5574.0, 5440.0, 5282.0, 5365.0, 5651.0, 5709.0, 5457.0, 5258.0, 5648.0, 5250.0, 5479.0, 5252.0, 5547.0, 5397.0, 5497.0, 5514.0, 5601.0, 5348.0, 5630.0, 5430.0, 5529.0, 5253.0, 5715.0, 5399.0, 5357.0, 5404.0, 5447.0, 5355.0, 5369.0, 5649.0, 5300.0, 5708.0, 5539.0, 5499.0, 5456.0, 5389.0, 5719.0 (number of hits: 15)
24	5530	9	1	333	1	5601.0, 5425.0, 5541.0, 5311.0, 5323.0, 5442.0, 5478.0, 5532.0, 5405.0, 5553.0, 5587.0, 5569.0, 5438.0, 5363.0, 5310.0, 5565.0, 5354.0, 5588.0, 5409.0, 5580.0, 5256.0, 5618.0, 5452.0, 5579.0, 5548.0, 5614.0, 5370.0, 5606.0, 5540.0, 5611.0, 5605.0, 5518.0, 5682.0, 5455.0, 5351.0, 5403.0, 5557.0, 5633.0, 5391.0, 5718.0, 5617.0, 5639.0, 5293.0, 5673.0, 5291.0, 5385.0, 5710.0, 5389.0, 5668.0, 5689.0, 5533.0, 5570.0, 5551.0, 5519.0, 5516.0, 5520.0, 5377.0, 5285.0, 5555.0, 5349.0, 5621.0, 5635.0, 5361.0, 5686.0, 5646.0, 5595.0, 5653.0, 5640.0, 5305.0, 5298.0, 5581.0, 5306.0, 5483.0, 5704.0, 5421.0, 5539.0, 5364.0, 5376.0, 5439.0, 5620.0, 5487.0, 5494.0, 5505.0, 5724.0, 5460.0, 5372.0, 5467.0, 5545.0, 5418.0, 5598.0, 5416.0, 5529.0, 5365.0, 5307.0, 5468.0, 5368.0, 5493.0, 5692.0, 5599.0, 5707.0 (number of hits: 21)
25	5530	9	1	333	1	5307.0, 5530.0, 5602.0, 5375.0, 5486.0, 5708.0, 5620.0, 5379.0, 5658.0, 5616.0, 5443.0, 5380.0, 5650.0, 5265.0, 5561.0, 5646.0, 5622.0, 5434.0, 5507.0, 5413.0, 5431.0, 5529.0, 5723.0, 5258.0, 5685.0, 5425.0, 5491.0, 5391.0, 5538.0, 5299.0, 5424.0, 5701.0, 5652.0, 5621.0, 5345.0, 5300.0, 5460.0, 5511.0, 5279.0, 5452.0, 5480.0, 5402.0, 5280.0, 5691.0, 5428.0, 5406.0, 5388.0, 5516.0, 5672.0, 5531.0, 5435.0, 5537.0, 5377.0, 5498.0, 5642.0, 5692.0, 5282.0, 5278.0, 5485.0, 5573.0, 5344.0, 5521.0, 5466.0, 5675.0, 5338.0, 5432.0, 5709.0, 5274.0, 5611.0, 5631.0, 5315.0, 5636.0, 5412.0, 5687.0, 5415.0, 5327.0, 5565.0, 5634.0, 5360.0, 5586.0, 5308.0, 5577.0, 5253.0, 5475.0, 5655.0, 5317.0, 5524.0, 5584.0, 5721.0, 5670.0, 5322.0, 5664.0, 5613.0, 5353.0, 5587.0, 5644.0, 5362.0, 5387.0, 5268.0, 5628.0 (number of hits: 14)
26	5530	9	1	333	1	5631.0, 5501.0, 5261.0, 5380.0, 5718.0, 5695.0, 5439.0, 5514.0, 5450.0, 5453.0, 5488.0, 5663.0, 5379.0, 5371.0, 5612.0,

						5466.0, 5412.0, 5257.0, 5682.0, 5520.0, 5655.0, 5606.0, 5648.0, 5583.0, 5255.0, 5704.0, 5505.0, 5709.0, 5472.0, 5437.0, 5543.0, 5658.0, 5713.0, 5278.0, 5364.0, 5611.0, 5536.0, 5541.0, 5714.0, 5594.0, 5679.0, 5707.0, 5509.0, 5390.0, 5271.0, 5646.0, 5347.0, 5597.0, 5556.0, 5430.0, 5370.0, 5515.0, 5378.0, 5384.0, 5703.0, 5470.0, 5339.0, 5540.0, 5284.0, 5434.0, 5687.0, 5525.0, 5473.0, 5672.0, 5671.0, 5518.0, 5675.0, 5537.0, 5550.0, 5510.0, 5546.0, 5590.0, 5690.0, 5579.0, 5258.0, 5267.0, 5621.0, 5406.0, 5475.0, 5678.0, 5523.0, 5582.0, 5497.0, 5305.0, 5428.0, 5532.0, 5337.0, 5469.0, 5293.0, 5482.0, 5391.0, 5386.0, 5652.0, 5624.0, 5489.0, 5374.0, 5332.0, 5593.0, 5685.0, 5479.0 (number of hits: 20)
27	5530	9	1	333	1	5712.0, 5604.0, 5432.0, 5334.0, 5490.0, 5354.0, 5291.0, 5374.0, 5513.0, 5282.0, 5593.0, 5515.0, 5540.0, 5359.0, 5266.0, 5514.0, 5715.0, 5366.0, 5371.0, 5304.0, 5347.0, 5407.0, 5704.0, 5488.0, 5461.0, 5476.0, 5677.0, 5406.0, 5337.0, 5448.0, 5253.0, 5399.0, 5624.0, 5660.0, 5526.0, 5557.0, 5548.0, 5261.0, 5285.0, 5633.0, 5601.0, 5457.0, 5352.0, 5377.0, 5706.0, 5563.0, 5491.0, 5295.0, 5474.0, 5294.0, 5525.0, 5543.0, 5269.0, 5547.0, 5694.0, 5437.0, 5404.0, 5572.0, 5587.0, 5434.0, 5482.0, 5682.0, 5333.0, 5460.0, 5544.0, 5692.0, 5414.0, 5687.0, 5312.0, 5353.0, 5471.0, 5556.0, 5693.0, 5325.0, 5467.0, 5413.0, 5689.0, 5670.0, 5698.0, 5365.0, 5486.0, 5469.0, 5307.0, 5683.0, 5382.0, 5657.0, 5535.0, 5701.0, 5691.0, 5372.0, 5459.0, 5344.0, 5351.0, 5684.0, 5496.0, 5296.0, 5358.0, 5464.0, 5420.0, 5719.0 (number of hits: 17)
28	5530	9	1	333	1	5316.0, 5704.0, 5439.0, 5389.0, 5368.0, 5317.0, 5448.0, 5672.0, 5320.0, 5277.0, 5585.0, 5646.0, 5498.0, 5286.0, 5616.0, 5254.0, 5475.0, 5385.0, 5575.0, 5330.0, 5495.0, 5345.0, 5637.0, 5292.0, 5670.0, 5671.0, 5436.0, 5417.0, 5373.0, 5461.0, 5484.0, 5458.0, 5468.0, 5418.0, 5337.0, 5429.0, 5255.0, 5626.0, 5586.0, 5279.0, 5602.0, 5441.0, 5473.0, 5564.0, 5502.0, 5547.0, 5656.0, 5632.0, 5698.0, 5322.0, 5398.0, 5481.0, 5294.0, 5451.0, 5706.0, 5450.0, 5391.0, 5338.0, 5497.0, 5375.0, 5526.0, 5511.0, 5392.0, 5664.0, 5613.0, 5628.0, 5521.0, 5387.0, 5703.0, 5427.0, 5421.0, 5588.0, 5459.0, 5447.0, 5624.0, 5513.0, 5678.0, 5505.0, 5434.0, 5582.0, 5662.0, 5622.0, 5442.0, 5440.0, 5256.0, 5287.0, 5393.0, 5640.0, 5598.0, 5515.0, 5290.0, 5534.0, 5648.0, 5273.0, 5536.0, 5431.0, 5479.0, 5527.0, 5583.0, 5631.0 (number of hits: 15)

29	5530	9	1	333	1	5439.0, 5287.0, 5714.0, 5595.0, 5628.0, 5320.0, 5645.0, 5503.0, 5251.0, 5558.0, 5307.0, 5372.0, 5613.0, 5703.0, 5286.0, 5692.0, 5588.0, 5456.0, 5533.0, 5522.0, 5308.0, 5657.0, 5698.0, 5618.0, 5366.0, 5253.0, 5695.0, 5465.0, 5269.0, 5482.0, 5710.0, 5519.0, 5457.0, 5360.0, 5501.0, 5334.0, 5647.0, 5438.0, 5508.0, 5630.0, 5330.0, 5375.0, 5502.0, 5452.0, 5605.0, 5289.0, 5593.0, 5337.0, 5673.0, 5532.0, 5391.0, 5610.0, 5477.0, 5472.0, 5715.0, 5440.0, 5273.0, 5404.0, 5363.0, 5578.0, 5712.0, 5291.0, 5358.0, 5672.0, 5596.0, 5511.0, 5393.0, 5483.0, 5606.0, 5343.0, 5538.0, 5313.0, 5629.0, 5427.0, 5462.0, 5332.0, 5617.0, 5417.0, 5718.0, 5496.0, 5389.0, 5428.0, 5254.0, 5378.0, 5359.0, 5424.0, 5461.0, 5669.0, 5622.0, 5262.0, 5569.0, 5309.0, 5275.0, 5553.0, 5634.0, 5329.0, 5290.0, 5466.0, 5319.0, 5711.0 (number of hits: 14)
30	5530	9	1	333	1	5501.0, 5491.0, 5287.0, 5604.0, 5475.0, 5277.0, 5638.0, 5306.0, 5275.0, 5702.0, 5430.0, 5304.0, 5715.0, 5259.0, 5286.0, 5258.0, 5699.0, 5260.0, 5255.0, 5589.0, 5462.0, 5250.0, 5319.0, 5526.0, 5679.0, 5697.0, 5652.0, 5497.0, 5719.0, 5673.0, 5567.0, 5561.0, 5429.0, 5603.0, 5464.0, 5484.0, 5270.0, 5595.0, 5257.0, 5560.0, 5676.0, 5382.0, 5378.0, 5333.0, 5694.0, 5548.0, 5282.0, 5555.0, 5677.0, 5544.0, 5713.0, 5572.0, 5651.0, 5516.0, 5440.0, 5569.0, 5297.0, 5445.0, 5711.0, 5612.0, 5509.0, 5660.0, 5506.0, 5388.0, 5337.0, 5530.0, 5507.0, 5527.0, 5518.0, 5601.0, 5428.0, 5329.0, 5376.0, 5693.0, 5321.0, 5519.0, 5528.0, 5305.0, 5495.0, 5666.0, 5494.0, 5385.0, 5670.0, 5512.0, 5300.0, 5568.0, 5706.0, 5389.0, 5689.0, 5521.0, 5551.0, 5413.0, 5303.0, 5539.0, 5664.0, 5570.0, 5393.0, 5289.0, 5642.0, 5717.0 (number of hits: 27)

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