

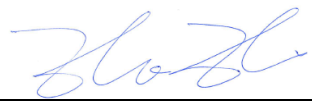
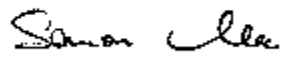


FCC PART 15.407 DYNAMIC FREQUENCY SELECTION TEST REPORT

For
Actiontec Electronics, Inc.

3301 Olcott St.
Santa Clara, CA 95054, USA

FCC ID: LNQT3280

Report Type: Original Report	Product Type: WiFi 6 Gateway Router with Bonded VDSL
Prepared By	Zhao Zhao Test Engineer 
Report Number	R2007222-DFS
Report Date	2020-11-03
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Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. This report **must not** be used by the customer to claim product certification, approval, or endorsement by A2LA* or any agency of the Federal Government.

* This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk "*" (Rev. 1)

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R2007222-DFS	Original Report	2020-11-03

1 General Description

1.1 Product Description for Equipment under Test (EUT)

This test and measurement report was prepared on behalf of *Actiontec Electronics, Inc.*, and their product model: T3280 as referred to as EUT in this report. The product is a WiFi 6 Gateway Router with Bonded VDSL operating in 2.4 GHz and 5 GHz frequency bands.

1.2 Mechanical Description of EUT

Length (mm)	Width (mm)	Height (mm)	Weight (kg)
180	50	235	0.65

1.3 Objective

This report is prepared on behalf of *Actiontec, Electronics, Inc.* in accordance with FCC CFR47 §15.407 (h), and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

The objective is to determine compliance with FCC rules for DFS Detection Threshold, Channel Availability Check Time, Uniform Spreading U-NII Detection Bandwidth, Channel Closing Transmission Time, and Channel Move time in Master Mode.

1.4 Related Submittal(s)/Grant(s)

Equipment Class: DTS, FCC ID: LNQT3280

1.5 Test Methodology

FCC CFR 47 Part2, Part15.407 (h)

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

COMPLIANCE MEASUREMENT PROCEDURES FOR UNLICENSED-NATIONAL INFORMATION INFRASTRUCTURE DEVICES OPERATING IN THE 5250-5350 MHz AND 5470-5725 MHz BANDS INCORPORATING DYNAMIC FREQUENCY SELECTION

1.6 Test Facility Registrations

BACLs test facilities that are used to perform Radiated and Conducted Emissions tests are currently recognized by the Federal Communications Commission as Accredited with NIST Designation Number US1129.

BACL's test facilities that are used to perform Radiated and Conducted Emissions tests are currently registered with Industry Canada under Registration Numbers: 3062A-1, 3062A-2, and 3062A-3.

BACL is a Chinese Taipei Bureau of Standards Metrology and Inspection (BSMI) validated Conformity Assessment Body (CAB), under Annex B, Phase I Procedures of the APEC Mutual Recognition Arrangement (MRA). BACL's BSMI Lab Code Number is: SL2-IN-E-1002R

BACL's test facilities that are used to perform AC Line Conducted Emissions, Telecommunications Line Conducted Emissions, Radiated Emissions from 30 MHz to 1 GHz, and Radiated Emissions from 1 GHz to 6 GHz are currently recognized as Accredited in accordance with the Voluntary Control Council for Interference [VCCI] Article 15 procedures under Registration Number A-0027.

1.7 Test Facility Accreditations

Bay Area Compliance Laboratories Corp. (BACL) is:

A- An independent, 3rd-Party, Commercial Test Laboratory accredited to ISO/IEC 17025:2005 by A2LA (Test Laboratory Accreditation Certificate Number 3297.02), in the fields of: Electromagnetic Compatibility and Telecommunications. Unless noted by an Asterisk (*) in the Compliance Matrix (See Section 3 of this Test Report), BACL's ISO/IEC 17025:2005 Scope of Accreditation includes all of the Test Method Standards and/or the Product Family Standards detailed in this Test Report..

BACL's ISO/IEC 17025:2005 Scope of Accreditation includes a comprehensive suite of EMC Emissions, EMC Immunity, Radio, RF Exposure, Safety and wireline Telecommunications test methods applicable to a wide range of product categories. These product categories include Central Office Telecommunications Equipment [including NEBS - Network Equipment Building Systems], Unlicensed and Licensed Wireless and RF devices, Information Technology Equipment (ITE); Telecommunications Terminal Equipment (TTE); Medical Electrical Equipment; Industrial, Scientific and Medical Test Equipment; Professional Audio and Video Equipment; Industrial and Scientific Instruments and Laboratory Apparatus; Cable Distribution Systems, and Energy Efficient Lighting.

B- A Product Certification Body accredited to ISO/IEC 17065:2012 by A2LA (Product Certification Body Accreditation Certificate Number 3297.03) to certify

- For the USA (Federal Communications Commission):

- 1- All Unlicensed radio frequency devices within FCC Scopes A1, A2, A3, and A4;
- 2- All Licensed radio frequency devices within FCC Scopes B1, B2, B3, and B4;
- 3- All Telephone Terminal Equipment within FCC Scope C.

- For the Canada (Industry Canada):

- 1 All Scope 1-Licence-Exempt Radio Frequency Devices;
- 2 All Scope 2-Licensed Personal Mobile Radio Services;
- 3 All Scope 3-Licensed General Mobile & Fixed Radio Services;
- 4 All Scope 4-Licensed Maritime & Aviation Radio Services;
- 5 All Scope 5-Licensed Fixed Microwave Radio Services
- 6 All Broadcasting Technical Standards (BETS) in the Category I Equipment Standards List.

- For Singapore (Info-Communications Development Authority (IDA)):

- 1 All Line Terminal Equipment: All Technical Specifications for Line Terminal Equipment – Table 1 of IDA MRA Recognition Scheme: 2011, Annex 2
2. All Radio-Communication Equipment: All Technical Specifications for Radio-Communication Equipment – Table 2 of IDA MRA Recognition Scheme: 2011, Annex 2

- For the Hong Kong Special Administrative Region:

- 1 All Radio Equipment, per KHCA 10XX-series Specifications;
- 2 All GMDSS Marine Radio Equipment, per HKCA 12XX-series Specifications;
- 3 All Fixed Network Equipment, per HKCA 20XX-series Specifications.

- For Japan:

- 1 MIC Telecommunication Business Law (Terminal Equipment):
 - All Scope A1 - Terminal Equipment for the Purpose of Calls;
 - All Scope A2 - Other Terminal Equipment
- 2 Radio Law (Radio Equipment):
 - All Scope B1 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 1 of the Radio Law
 - All Scope B2 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 2 of the Radio Law
 - All Scope B3 - Specified Radio Equipment specified in Article 38-2-2, paragraph 1, item 3 of the Radio Law

C- A Product Certification Body accredited to ISO/IEC 17065:2012 by A2LA (Product Certification Body Accreditation Certificate Number 3297.01) to certify Products to USA's Environmental Protection Agency (EPA) ENERGY STAR Product Specifications for:

- 1 Electronics and Office Equipment:
 - for Telephony (ver. 3.0)
 - for Audio/Video (ver. 3.0)
 - for Battery Charging Systems (ver. 1.1)
 - for Set-top Boxes & Cable Boxes (ver. 4.1)
 - for Televisions (ver. 6.1)
 - for Computers (ver. 6.0)
 - for Displays (ver. 6.0)
 - for Imaging Equipment (ver. 2.0)
 - for Computer Servers (ver. 2.0)
- 2 Commercial Food Service Equipment
 - for Commercial Dishwashers (ver. 2.0)
 - for Commercial Ice Machines (ver. 2.0)
 - for Commercial Ovens (ver. 2.1)
 - for Commercial Refrigerators and Freezers
- 3 Lighting Products
 - For Decorative Light Strings (ver. 1.5)
 - For Luminaires (including sub-components) and Lamps (ver. 1.2)
 - For Compact Fluorescent Lamps (CFLs) (ver. 4.3)
 - For Integral LED Lamps (ver. 1.4)
- 4 Heating, Ventilation, and AC Products
 - for Residential Ceiling Fans (ver. 3.0)
 - for Residential Ventilating Fans (ver. 3.2)
- 5 Other
 - For Water Coolers (ver. 3.0)

D- A NIST Designated Phase-I and Phase-II Conformity Assessment Body (CAB) for the following economies and regulatory authorities under the terms of the stated MRAs/Treaties:

- Australia: ACMA (Australian Communication and Media Authority) – APEC Tel MRA -Phase I;
- Canada: (Innovation, Science and Economic development Canada - ISED) Foreign Certification Body – FCB – APEC Tel MRA -Phase I & Phase II;
- Chinese Taipei (Republic of China – Taiwan):
 - o BSMI (Bureau of Standards, Metrology and Inspection) APEC Tel MRA -Phase I;

- NCC (National Communications Commission) APEC Tel MRA -Phase I;
 - European Union:
 - EMC Directive 2014/30/EU US-EU EMC & Telecom MRA CAB (NB)
 - Radio Equipment (RE) Directive 2014/53/EU US-EU EMC & Telecom MRA CAB (NB)
 - Low Voltage Directive (LVD) 2014/35/EU
 - Hong Kong Special Administrative Region: (Office of the Telecommunications Authority – OFTA) APEC Tel MRA -Phase I & Phase II
 - Israel – US-Israel MRA Phase I
 - Republic of Korea (Ministry of Communications - Radio Research Laboratory) APEC Tel MRA -Phase I
 - Singapore: (Infocomm Media Development Authority - IMDA) APEC Tel MRA -Phase I & Phase II;
 - Japan: VCCI - Voluntary Control Council for Interference US-Japan Telecom Treaty VCCI Side Letter-
 - USA:
 - ENERGY STAR Recognized Test Laboratory – US EPA
 - Telecommunications Certification Body (TCB) – US FCC;
 - Nationally Recognized Test Laboratory (NRTL) – US OSHA
- Vietnam: APEC Tel MRA -Phase I;

2 EUT Test Configuration

2.1 Justification

The EUT was configured for testing according to FCC Part 15.407(h) and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02

2.2 EUT Exercise Software

The test firmware used was Tera Term and test commands, provided by *Actiontec Electronics, Inc.*, the software is compliant with the standard requirements being tested against.

2.3 Equipment Modifications

N/A

2.4 Local Support Equipment

Manufacturer	Description	Model	Serial Number
Dell	Laptop	Latitude E6410	3CKRAQ1
ASUS	Laptop	FX504G	J6NRCX037440249
Actiontec	Power Adapter	CDS024T-W120U	90318249

2.5 Interface Ports and Cables

Cable Description	Length	To	From
Ethernet cable	10 m	EUT	Laptop
Serial-USB cable	10 m	EUT	Laptop

3 Summary of Test Results

The following result table represents the list of measurements required under the FCC CFR47 §15.407 (h) and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

Items	Description of Test	Results
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

4 Applicable Standards

4.1 DFS Requirement

FCC CFR47 §15.407 (h) and KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02.

Table 1: Applicability of DFS requirements prior to use of a channel

Requirement	Operational Mode		
	Master	Client (Without radar detection)	Client (With radar detection)
Non-Occupancy Period	Yes	Not Required	Yes
DFS Detection Threshold	Yes	Not Required	Yes
Channel Availability Check Time	Yes	Not Required	Not Required
U-NII Detection Bandwidth	Yes	Not Required	Yes

Table 2: Applicability of DFS requirements during normal operation

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

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

Table 3: Interference Threshold for Master and Client with Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2 and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10dBm/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 <i>See Note 1.</i>
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. <i>See Notes 1 and 2.</i>
U-NII Detection Bandwidth	Minimum 100% of the UNII 99% transmission power bandwidth. <i>See Note 3.</i>
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 (Microseconds)	PRI (Microseconds)	Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a Test B: 15 unique PRI values randomly selected within the range of 518-3066 μ sec, with a minimum increment of 1 μ sec, excluding PRI values selected in Test A	$\text{Roundup} \left\{ \begin{array}{l} \left(\frac{1}{360} \right) \\ \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \end{array} \right\}$	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

Table 6: Long Pulse Radar Test Signal

Radar Type	Bursts	Chirp Width (MHz)	PRI (usec)	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

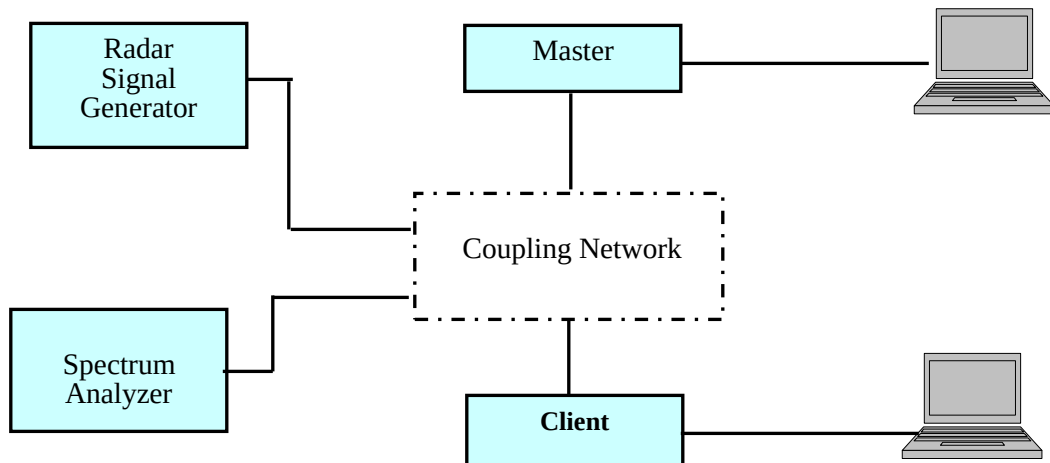
Table 7: Frequency Hopping Radar Test Signal

Radar Type	Pulse Width (usec)	PRI (usec)	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

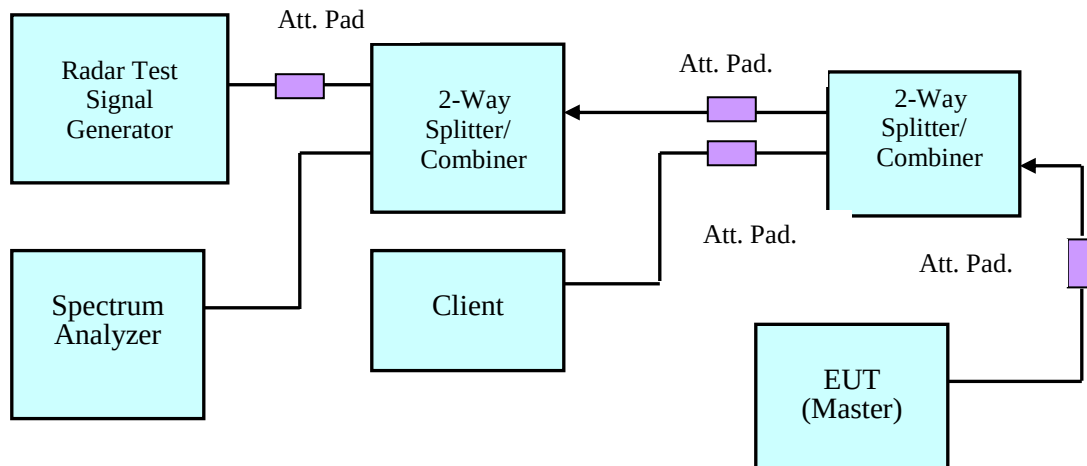
4.2 DFS Measurement System

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

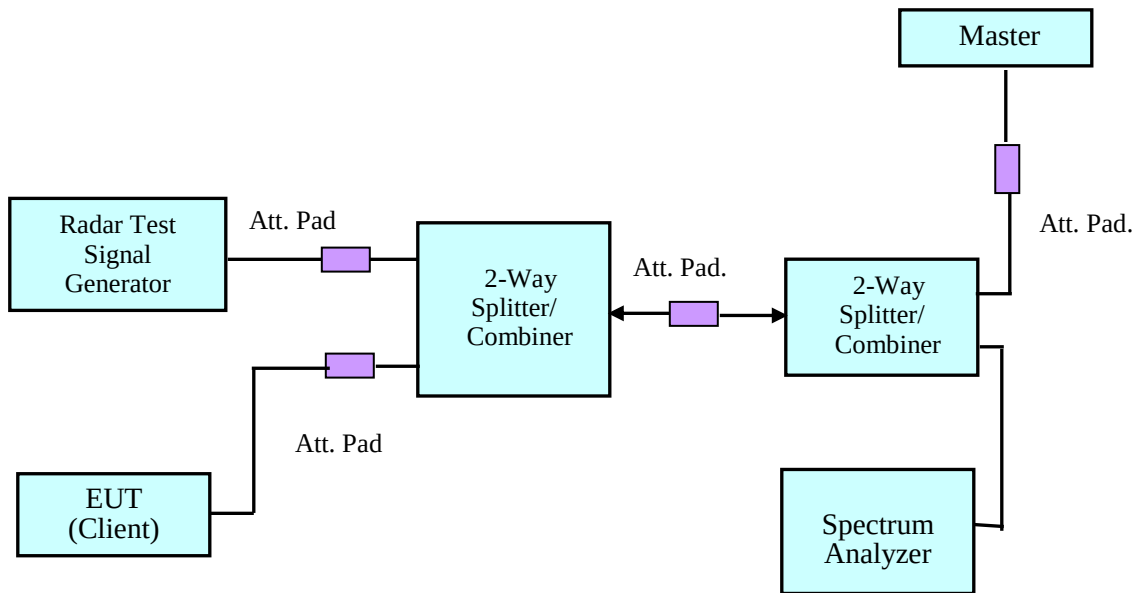
4.3 System Block Diagram



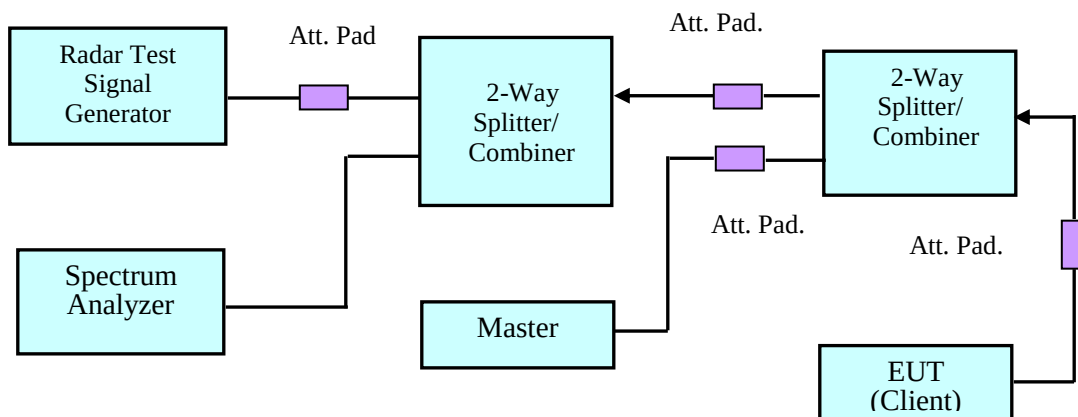
4.4 Conducted Method



Setup for Master with injection at the Master

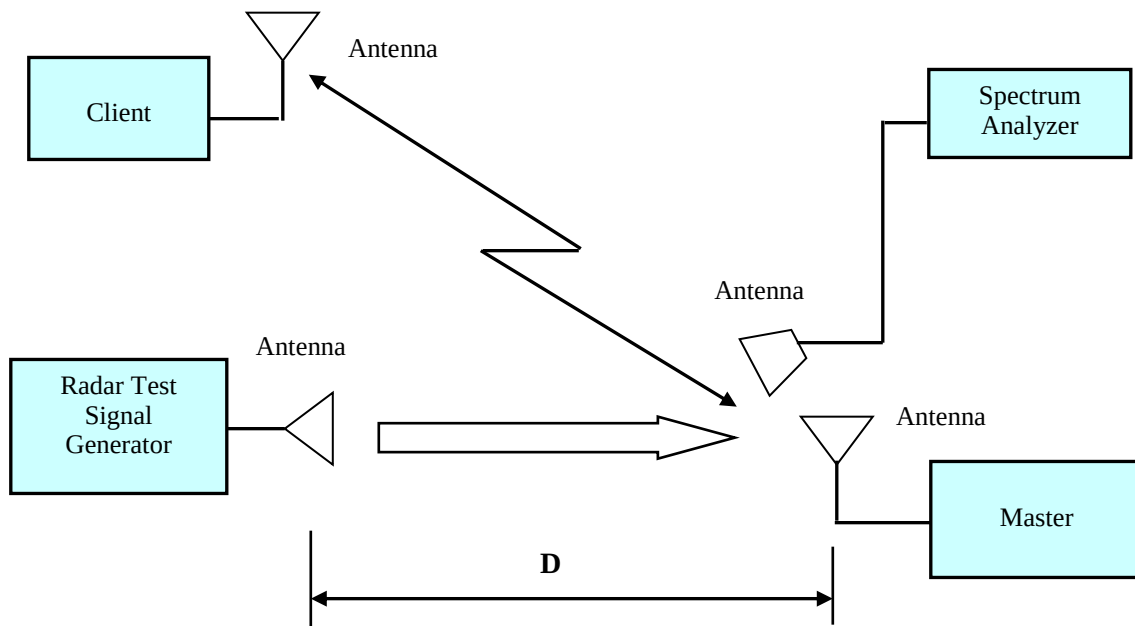


Setup for Client with injection at the Master



Setup for Client with injection at the Client

4.5 Radiated Method



4.6 Test Procedure

A spectrum analyzer is used as a monitor that verifies the EUT's status, which includes the Channel Closing Transmission Time and the Channel Move Time. The Spectrum analyzer is used to monitor the equipment under test (EUT) does not transmit on the same channel during the Non-Occupied Period after the radar detection. It is also used to monitor EUT transmissions during the Channel Availability Check Time.

5 Test Results

5.1 Description of EUT

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

The rated output power of EUT is > 23 dBm (EIRP), Therefore the required interference threshold level is -64 dBm, the required radiated threshold at antenna port is -64 dBm.

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.

5.2 Antenna Description

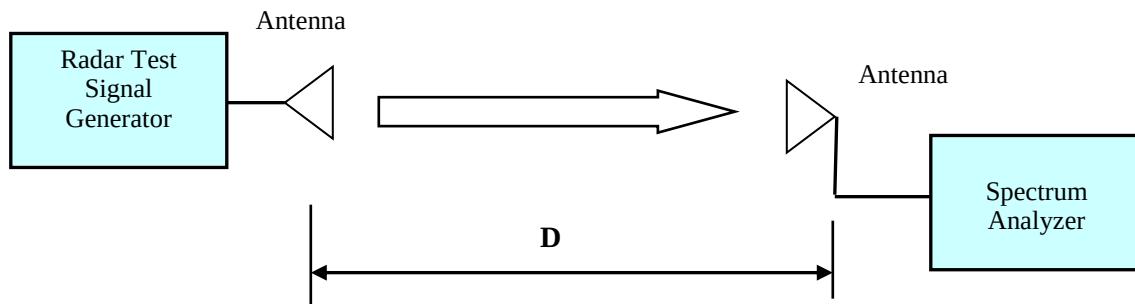
Radio	Antenna Type	Antenna Gain (dBi) @ 5 GHz
5 GHz	Internal	5.03

5.3 Test Equipment List and Details

Manufacturer	Equipment Description	Model	S/N	Calibration Date	Calibration Interval
National Instruments	NI PXI-1042 8-Slot chassis	PXI-1042	V08X01EE1	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-7206	N/A	N/A	N/A
Agilent	Analyzer, Spectrum	E4446A	MY48250238	2019-06-26	18 months
Sunol Sciences	Antenna Horn	DRH-118	A052704	2019-04-02	2 years
ETS Lindgren	Horn Antenna	3117	00218973	2019-02-13	2 years
EMCO	Antenna Horn	3115	9511-4627	2020-10-12	2 years

Statement of Traceability: *BACL Corp.* attests that all of the calibrations on the equipment items listed above were traceable to NIST or to another internationally recognized National Metrology Institute (NMI), and were compliant with the latest version of A2LA policy P102 "A2LA Policy on Metrological Traceability".

5.4 Radar Waveform Calibration



Radiated Calibration Setup Block Diagram

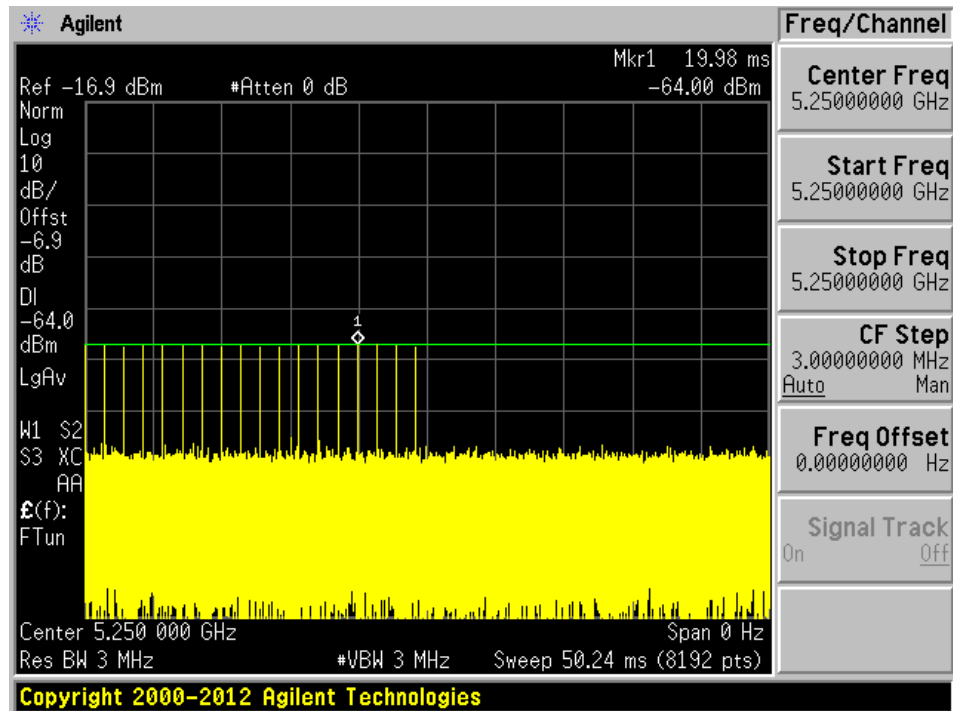
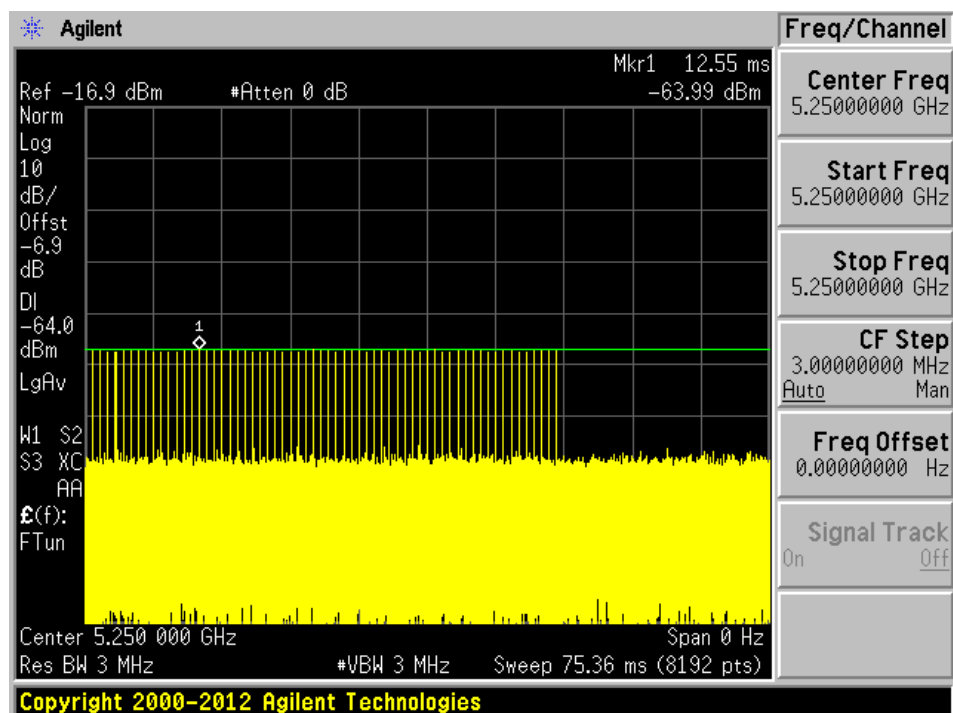
5.5 Test Environmental Conditions

Temperature:	22-25° C
Relative Humidity:	36-44 %
ATM Pressure:	102.1 kPa

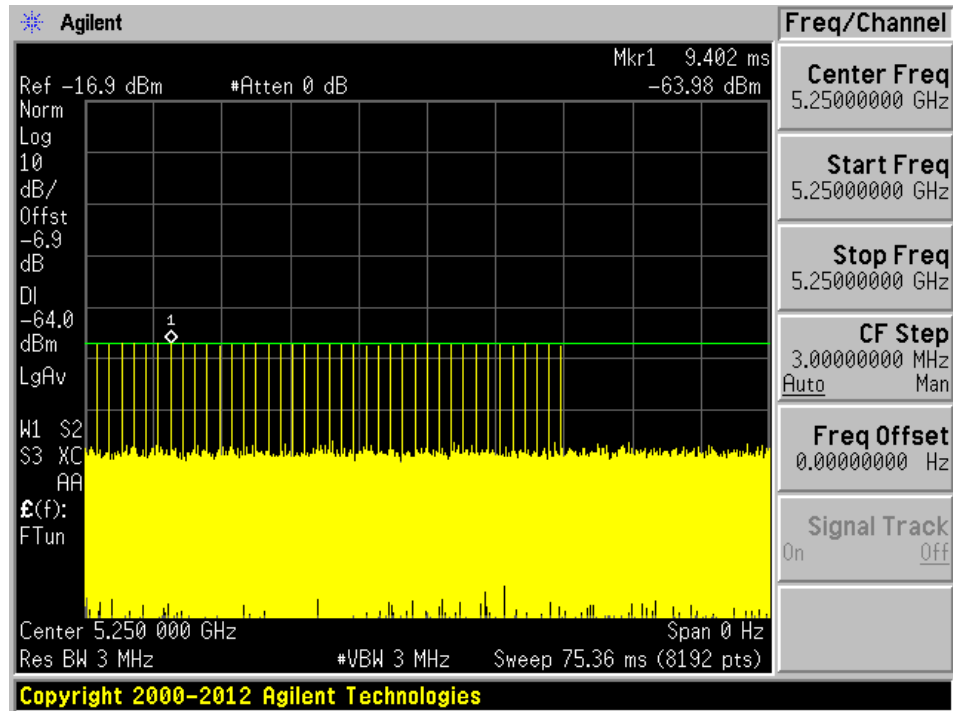
Testing was performed by Zhao Zhao on 2020-10-13 to 2020-10-21 in the DFS site and 5 meter 3 chamber

Plots of Radar Waveforms

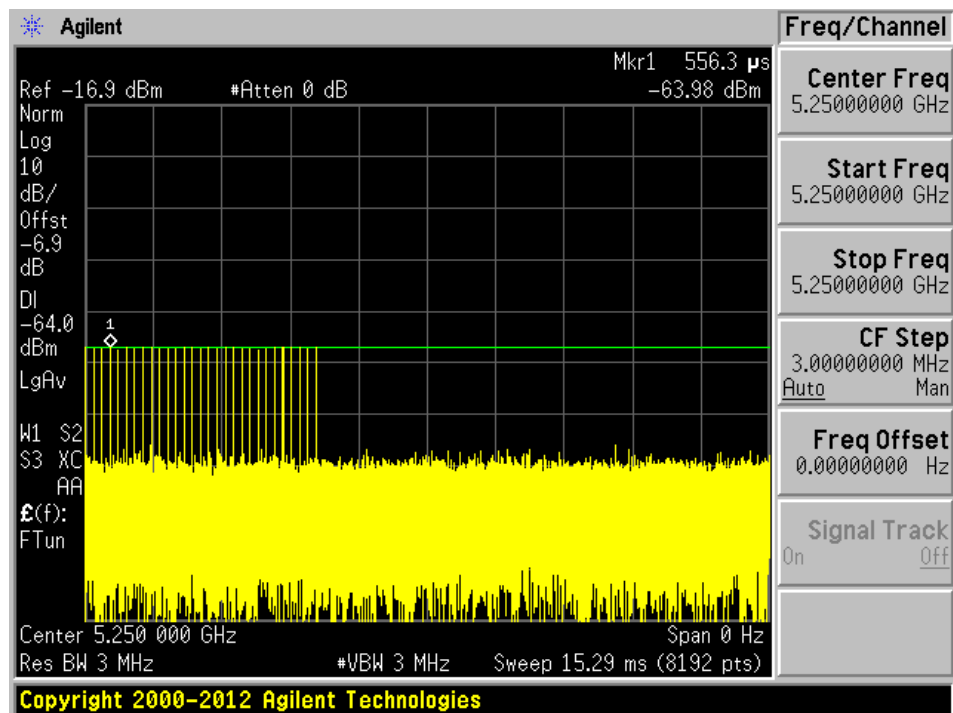
5250 MHz

Radar Type 0**Radar Type 1A**

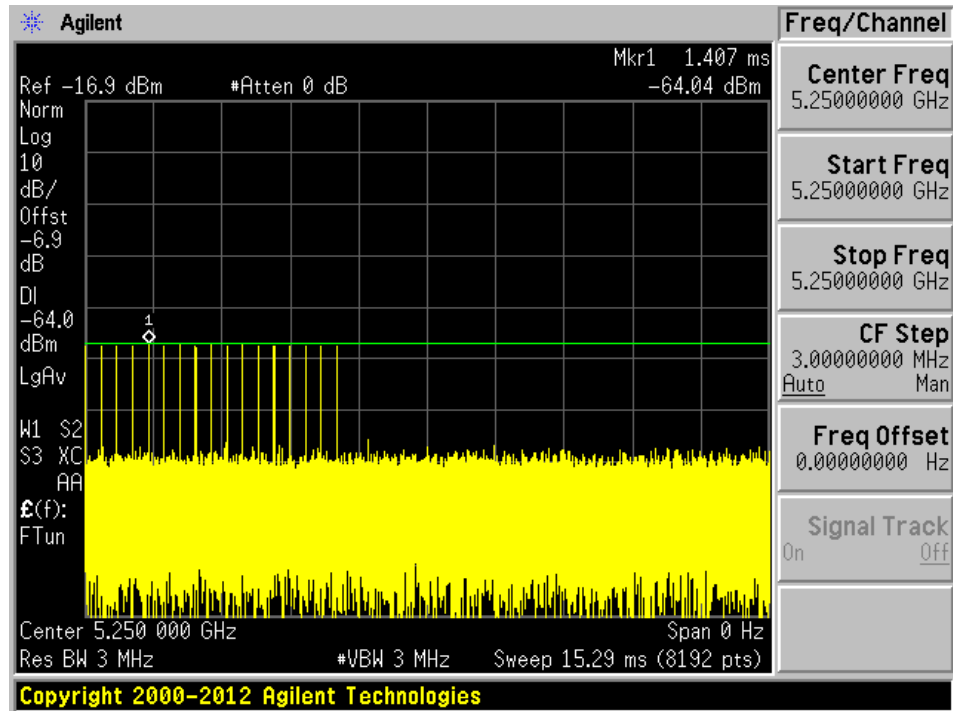
Radar Type 1B



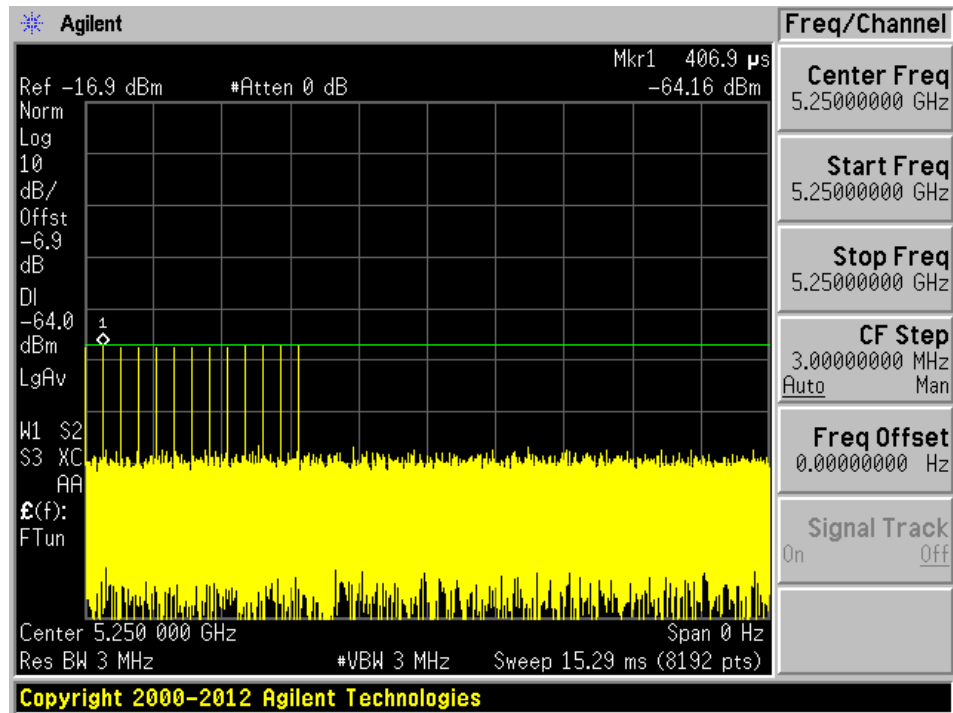
Radar Type 2



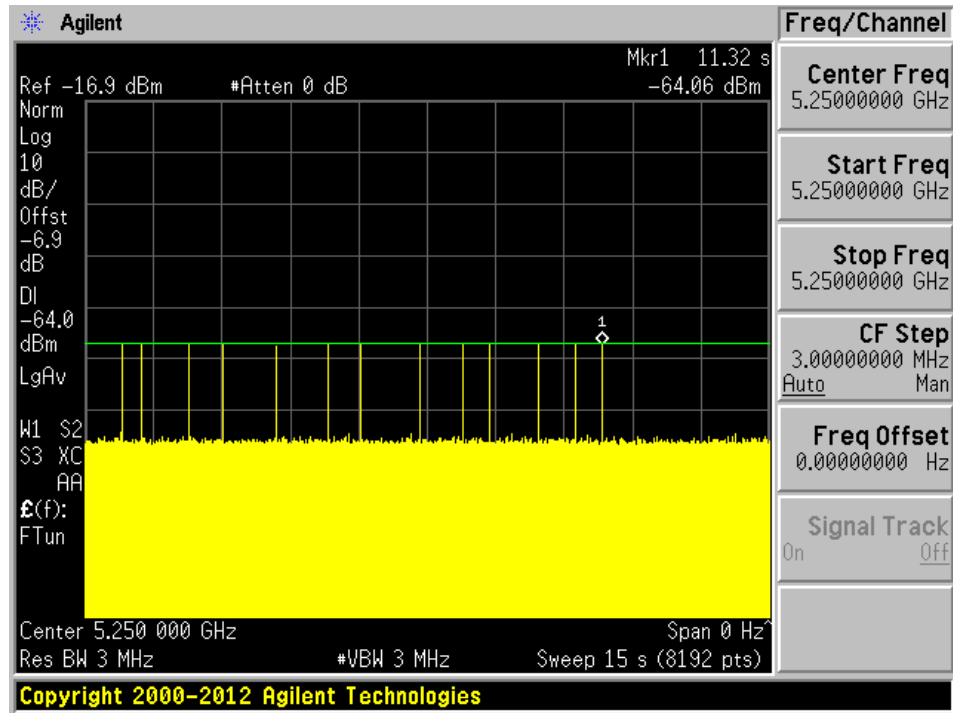
Radar Type 3



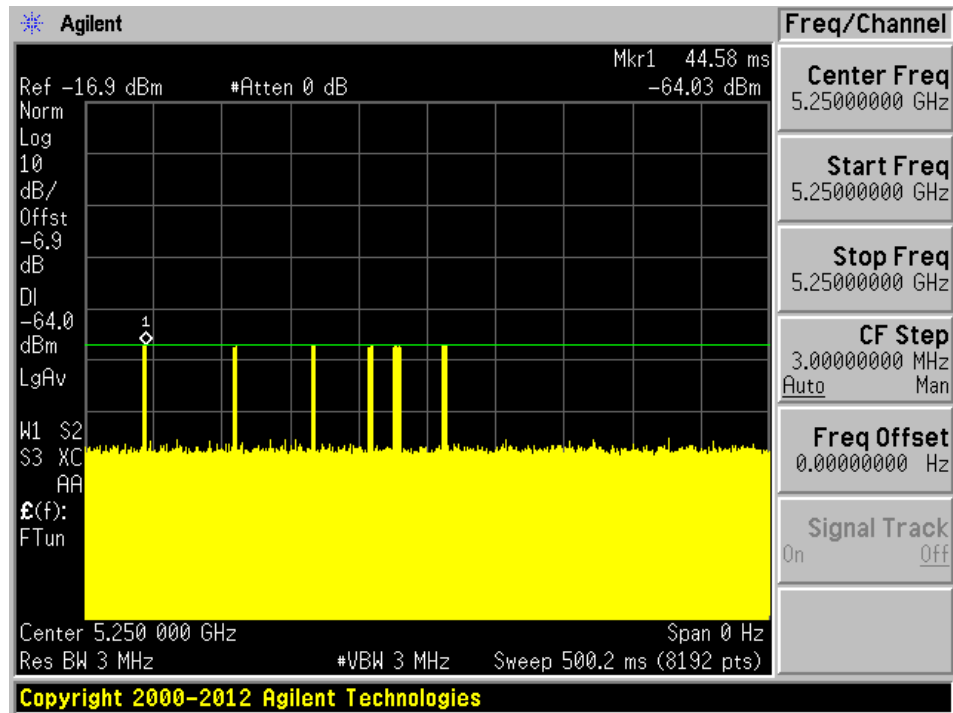
Radar Type 4



Radar Type 5

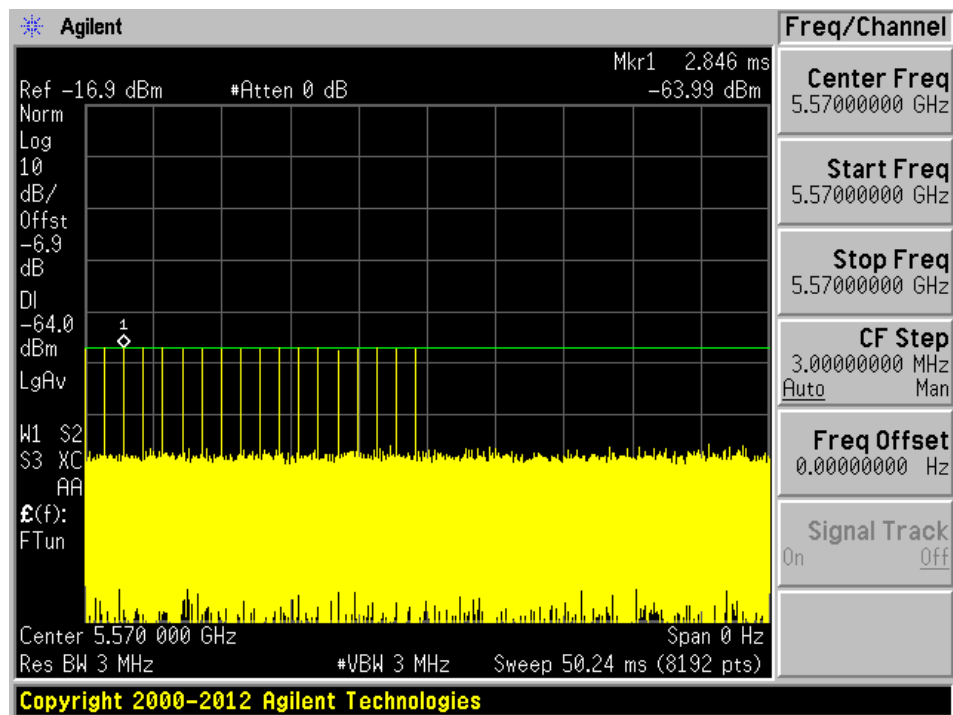


Radar Type 6

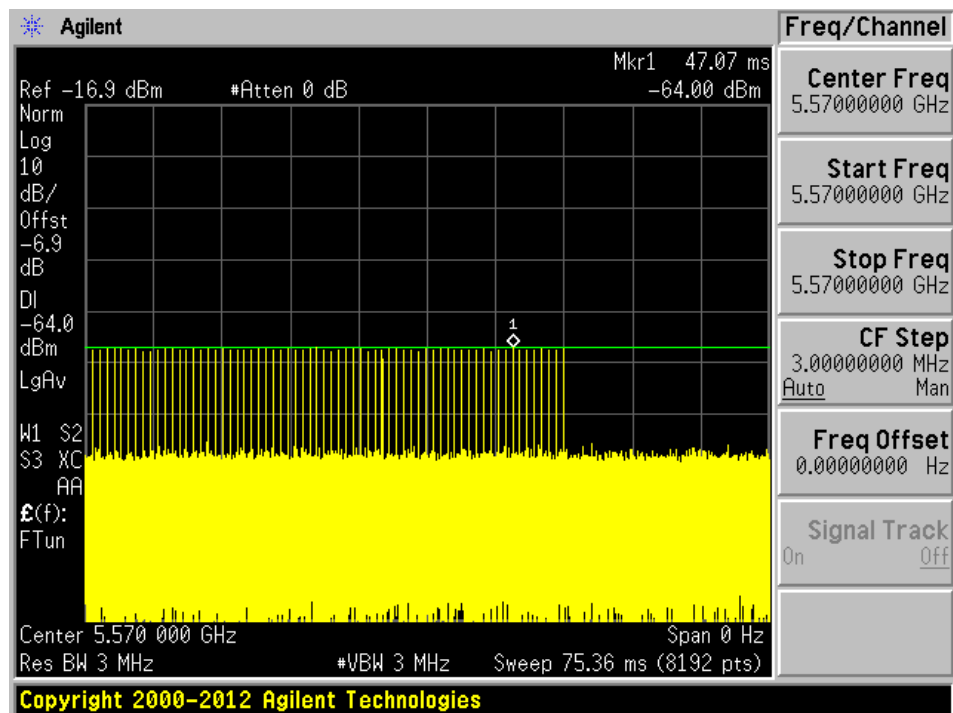


5570 MHz

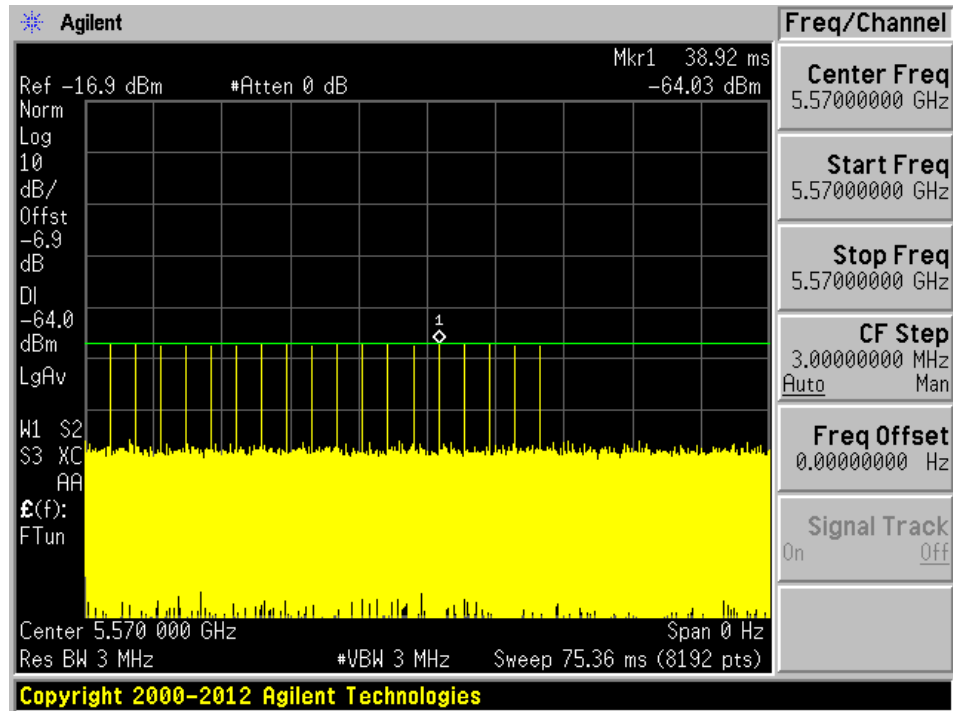
Radar Type 0



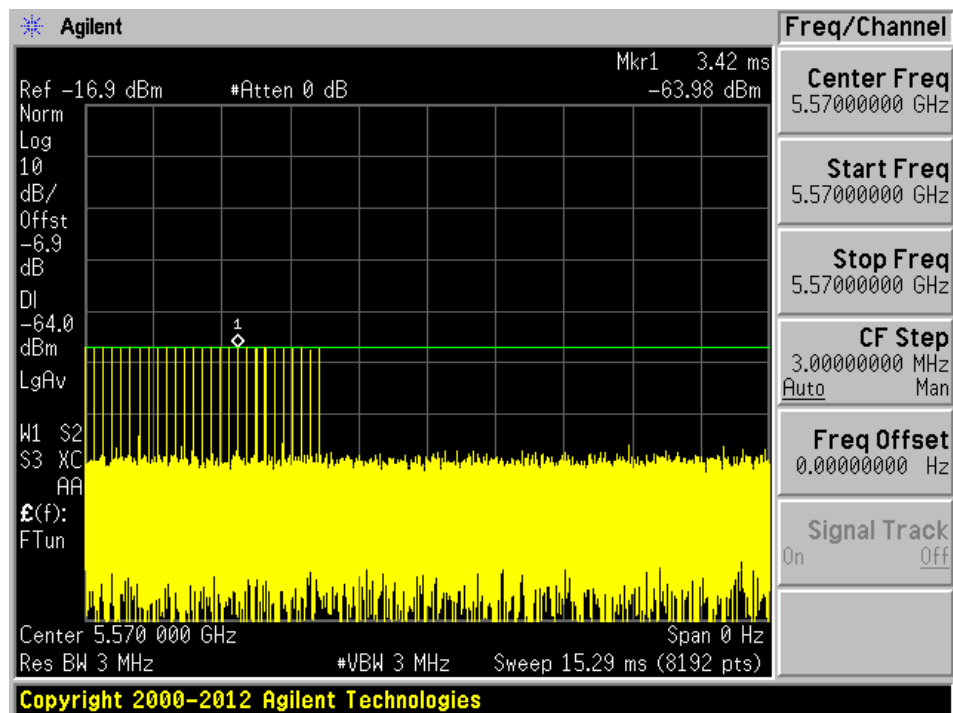
Radar Type 1A



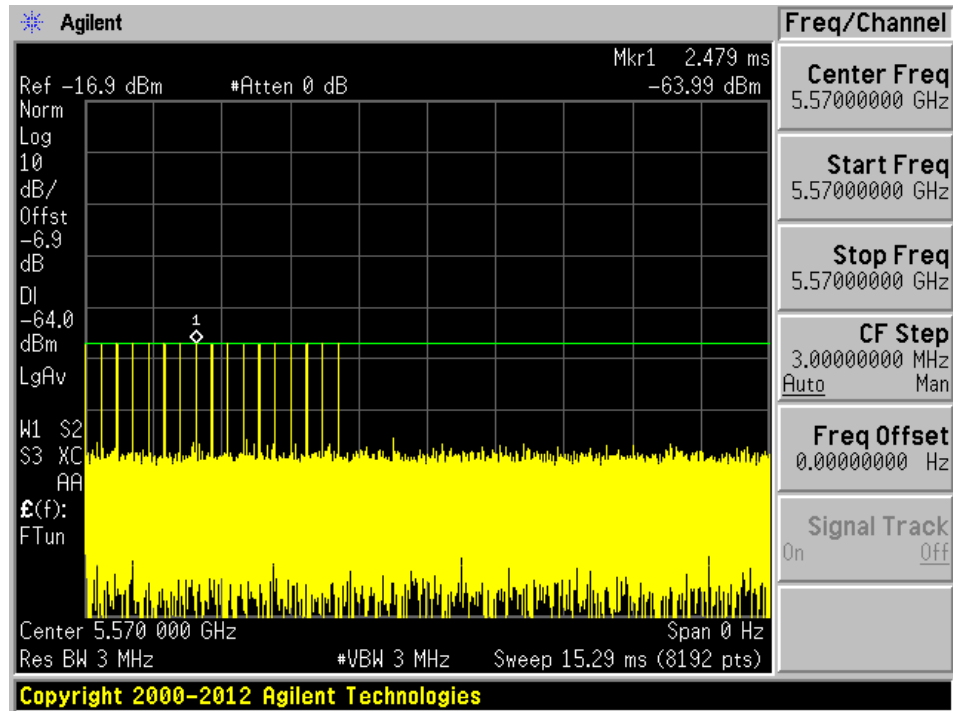
Radar Type 1B



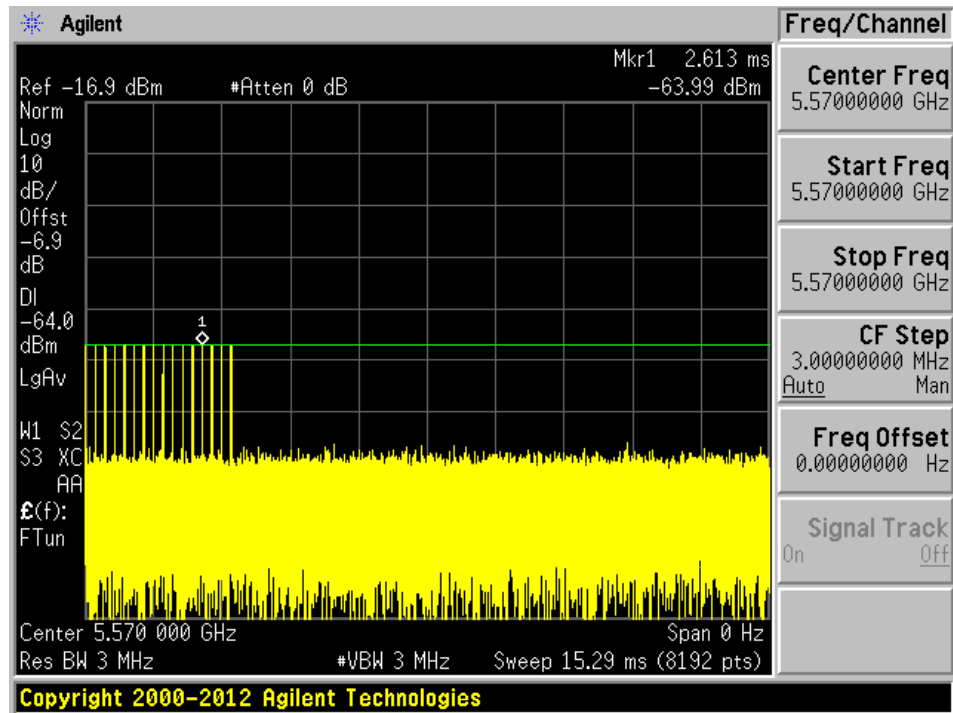
Radar Type 2



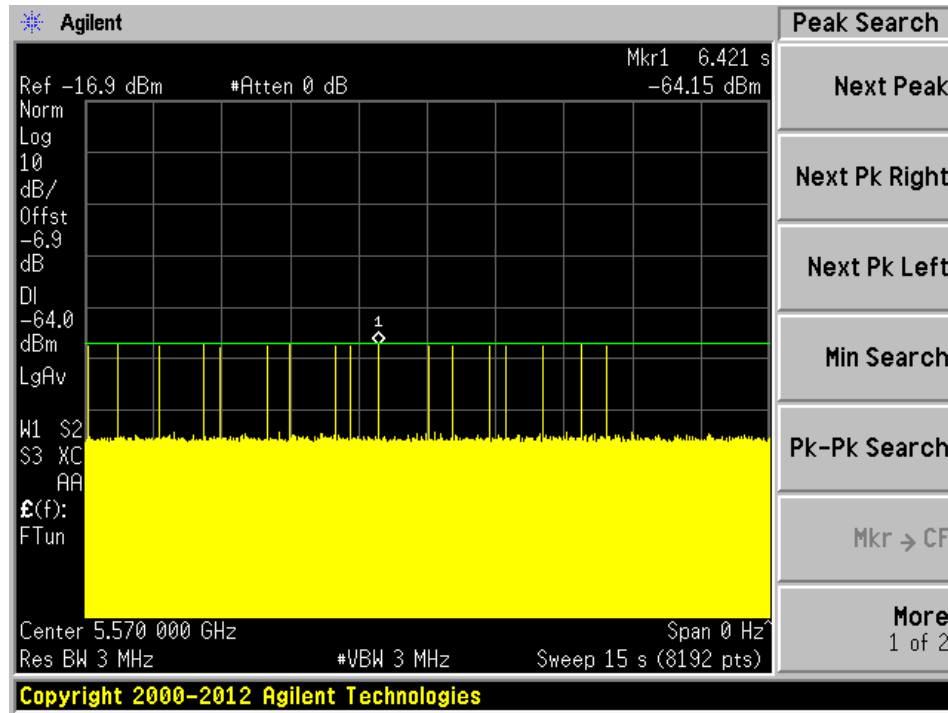
Radar Type 3



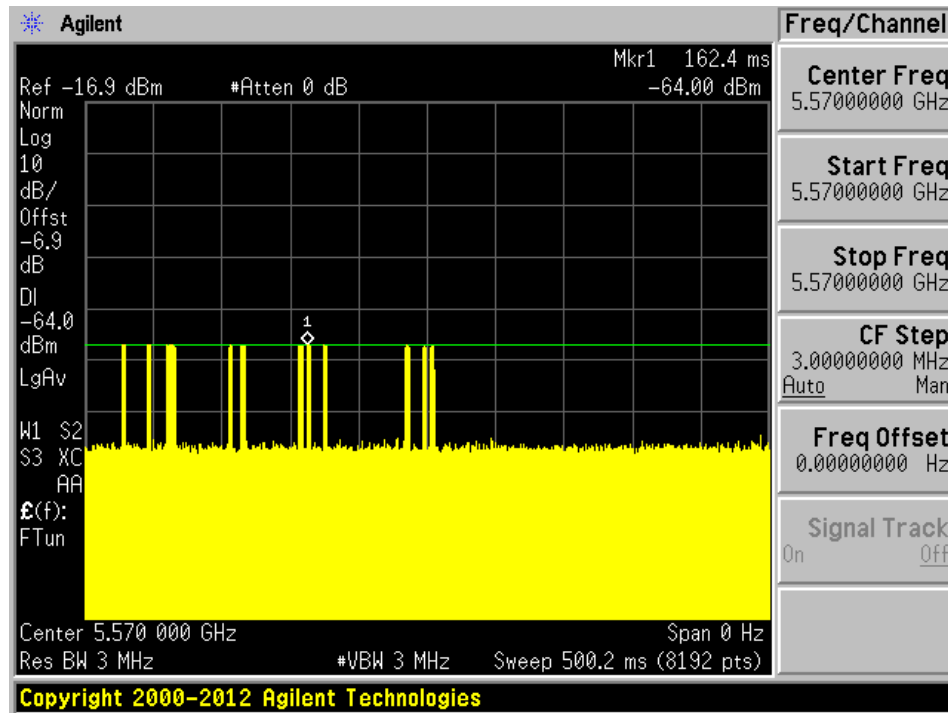
Radar Type 4



Radar Type 5



Radar Type 6



6 Channel Availability Check Time (CAC)

6.1 Test Procedure

- 1) Measure the CAC time period after executing the initiating CAC command.
- 2) With link established on channel, apply a radar signal within first 6 seconds after CAC starts; monitor the transmissions on channel from the spectrum analyzer.
- 3) With a link established on channel, apply a radar signal within last 6 seconds before CAC ends, and monitor the transmission on channel from the spectrum analyzer.

Note: EUT has command to initiate CAC

6.2 Results:

5 GHz Regular Radio+5 GHz AUX

Timing of Radar Burst	Spectrum Analyzer Display	Result
No Radar Triggered	Total CAC Period 60 second	Pass
Within 6 seconds of the CAC starting	No transmission	Pass
Within the last 6 seconds of the CAC	No transmission	Pass

5 GHz XOR Radio+5 GHz AUX

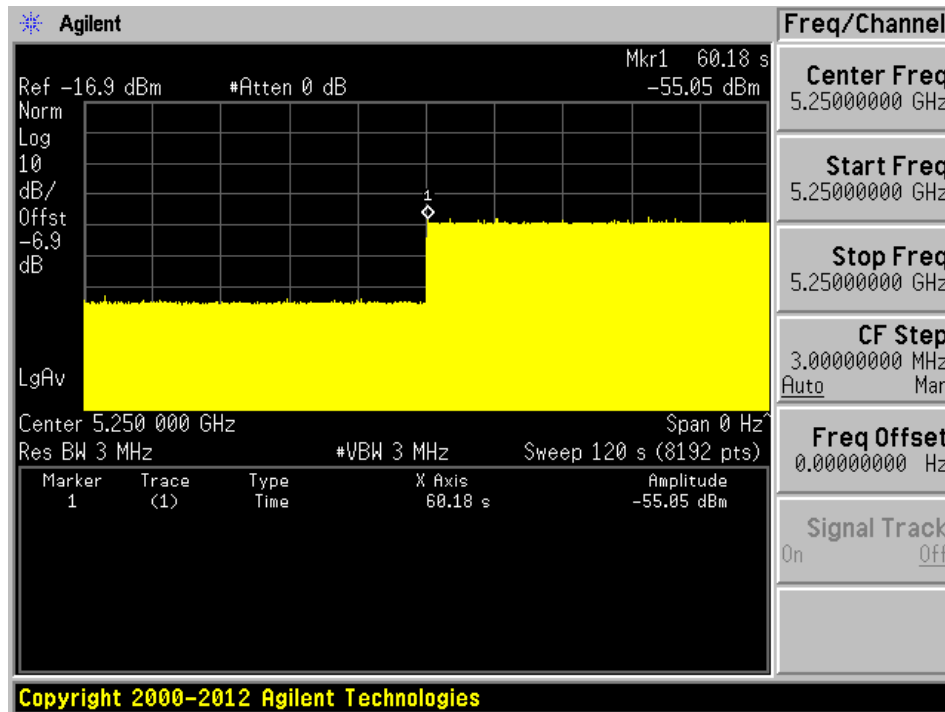
Timing of Radar Burst	Spectrum Analyzer Display	Result
No Radar Triggered	Total CAC Period 60 second	Pass
Within 6 seconds of the CAC starting	No transmission	Pass
Within the last 6 seconds of the CAC	No transmission	Pass

Note: The CAC was tested with the Radar type 0.

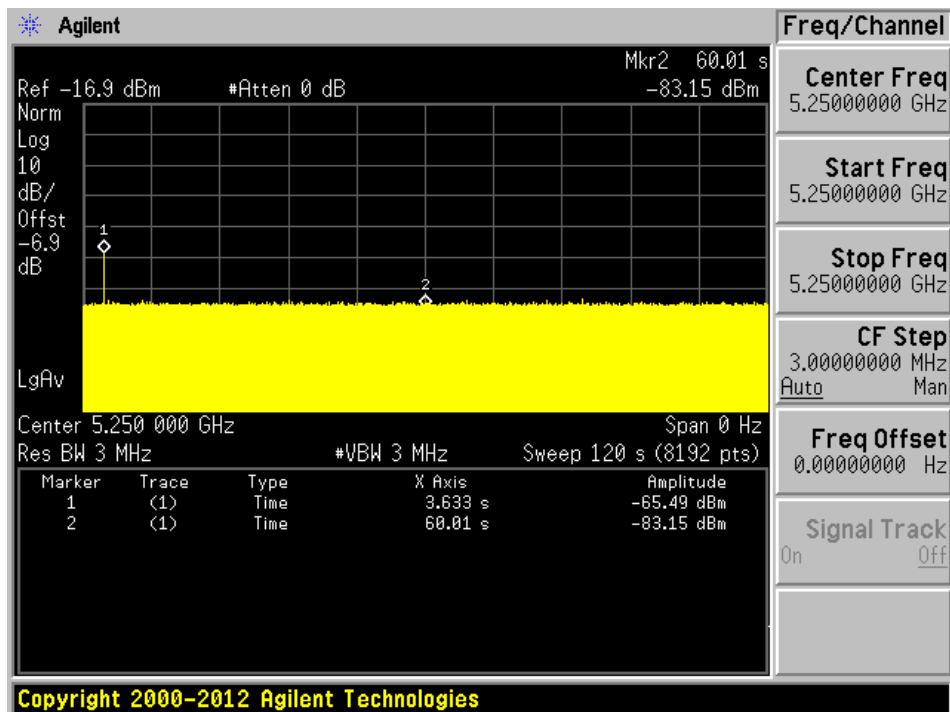
Note: The manufacturer provided command to set CAC start. Send the command and run a single sweep at the same time, therefore the CAC starts at the beginning of the plots.

5250 MHz

Plot of CAC Time Period

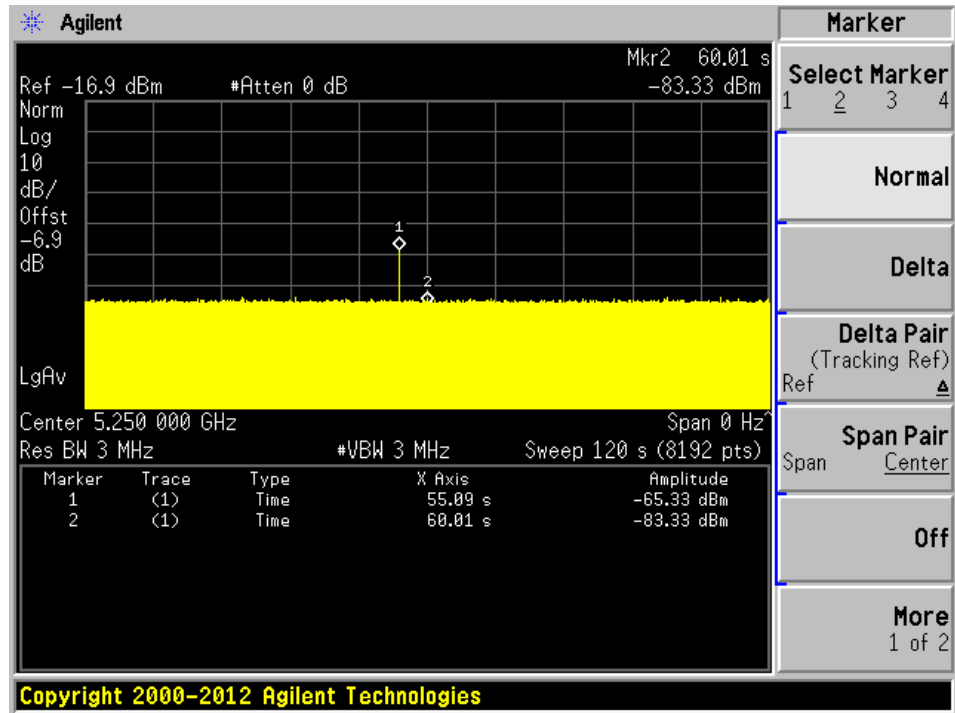


Plot of Radar signal applied within 6 seconds of start of CAC



No transmissions found after radar signal applied.

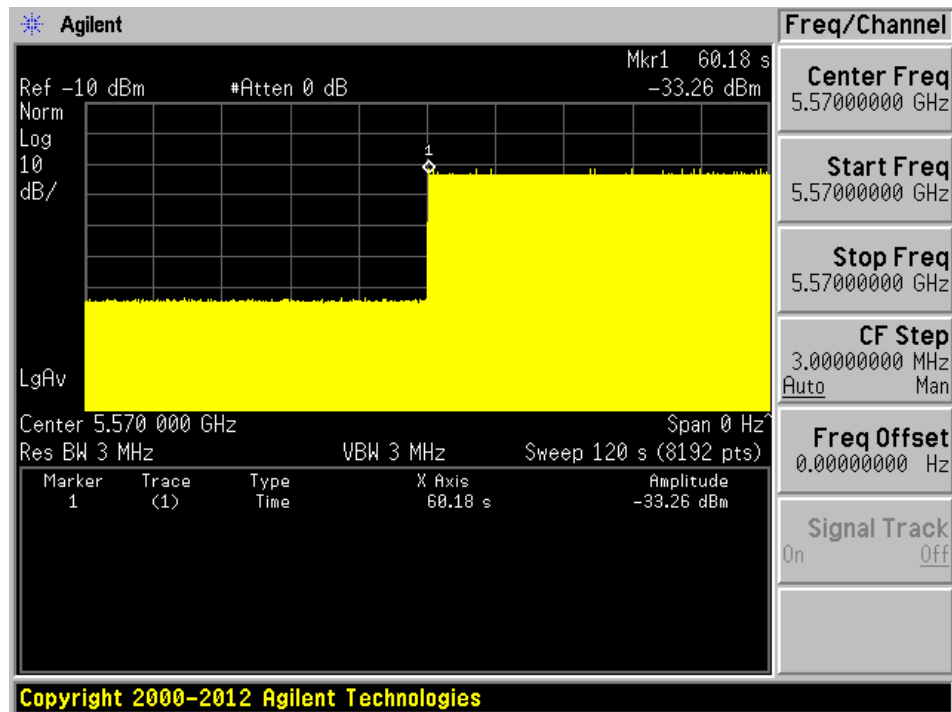
Plot of Radar signal applied at the end of 6 seconds of CAC



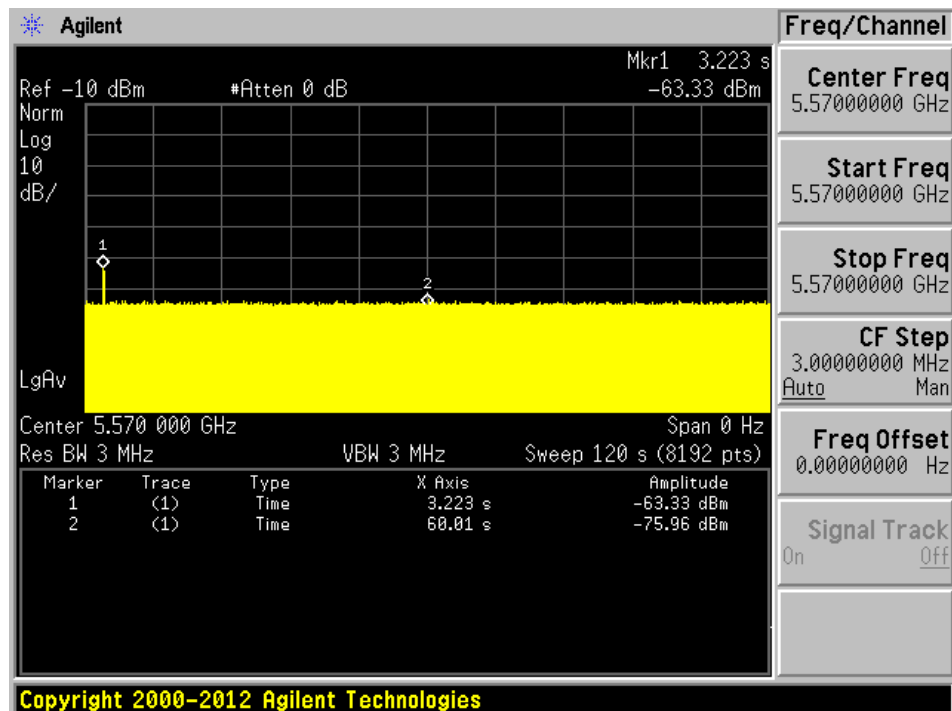
No transmissions found after radar signal applied.

5570 MHz

Plot of CAC Time Period

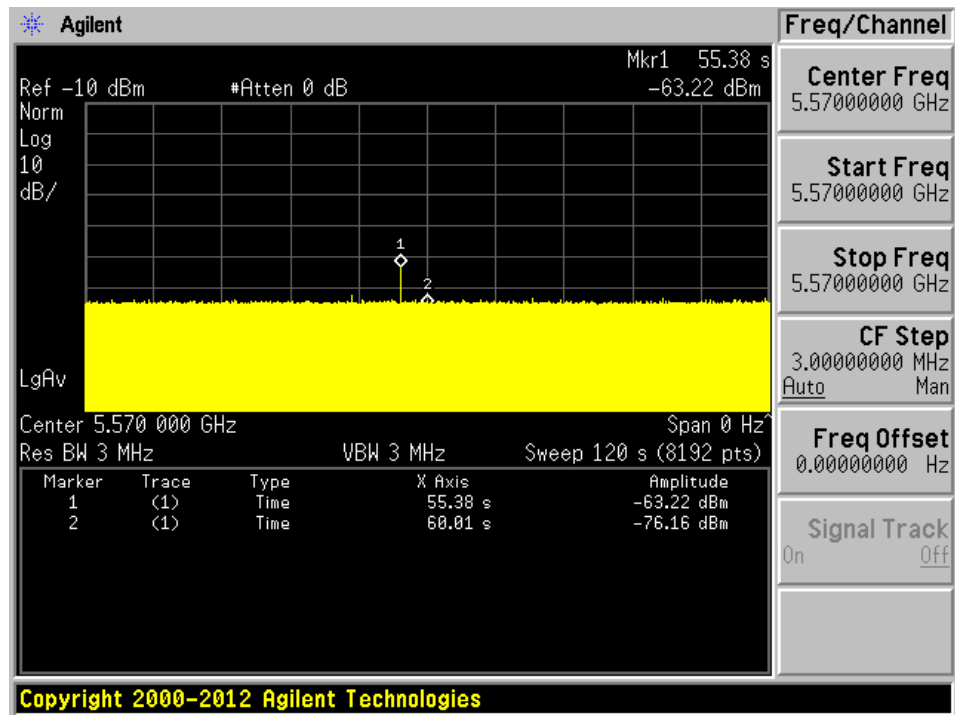


Plot of Radar signal applied within 6 seconds of start of CAC



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.

7 Channel Move Time and Channel Closing Transmission Time

7.1 Test Procedure

BACL use type 0 radar signal to test the channel move time and channel closing transmission time.

The aggregate channel closing transmission time is calculated as follows:

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

N is the number of spectrum analyzer bins showing a device transmission

Dwell Time is the dwell time per bin (i.e. $\text{Dwell Time} = S/B$, S is the sweep time and B is the number of bin, i.e. 8192)

7.2 Test Results

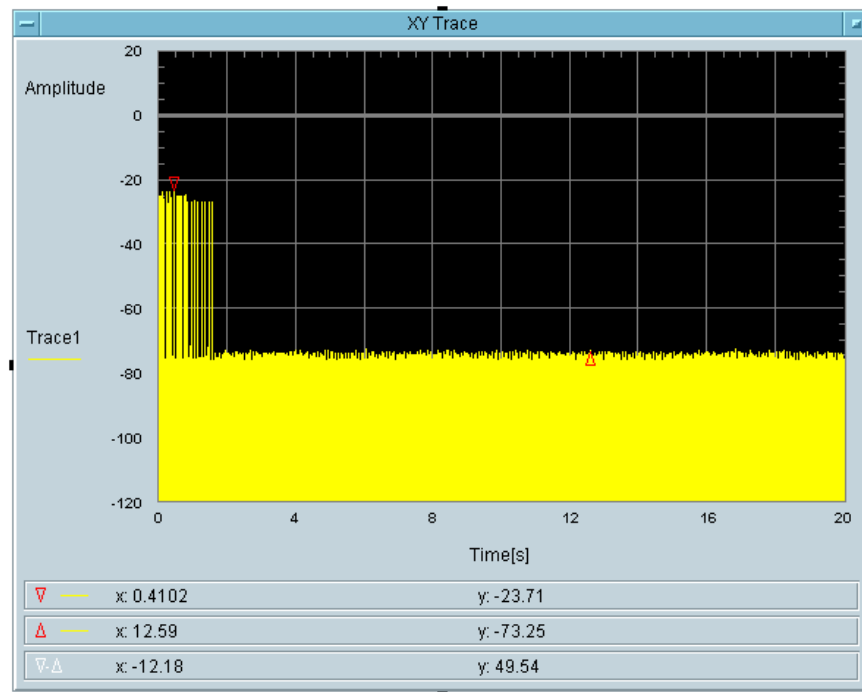
Frequency (MHz)	Bandwidth (MHz)	Radar Type	Results
5250	160	Type 0	Compliant
5570	160	Type 0	Compliant

Please refer to the following tables and plots.

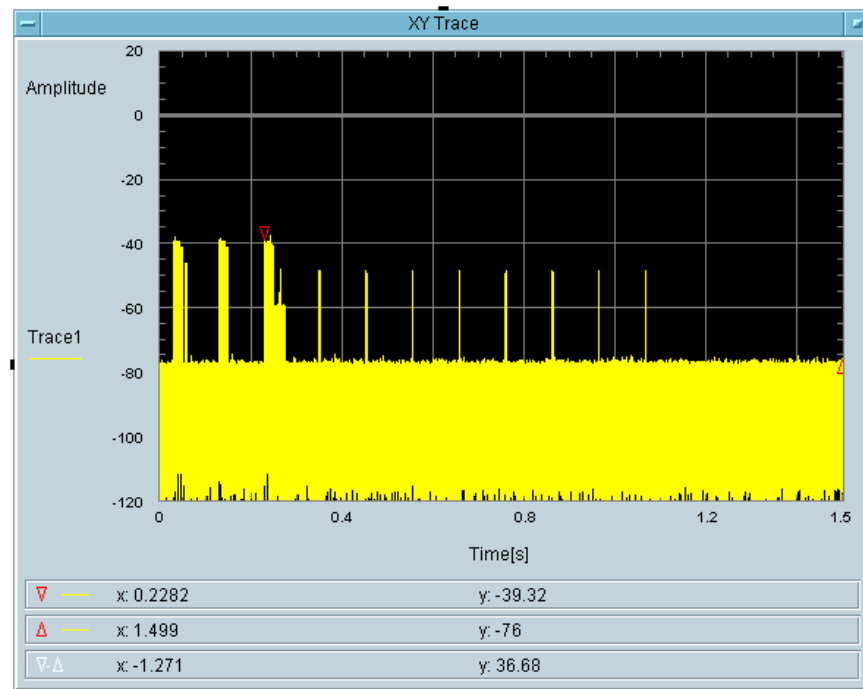
5250 MHz, Bandwidth 160 MHz

Type 0 radar channel move time and channel closing transmission time result:

Channel move time (s)	Limit (s)	Result
< 10	10	Pass



Channel closing transmitting time (ms)	Limit (ms)	Result
39 + 19.59	200+60	Pass



Total On Time [s]
39m

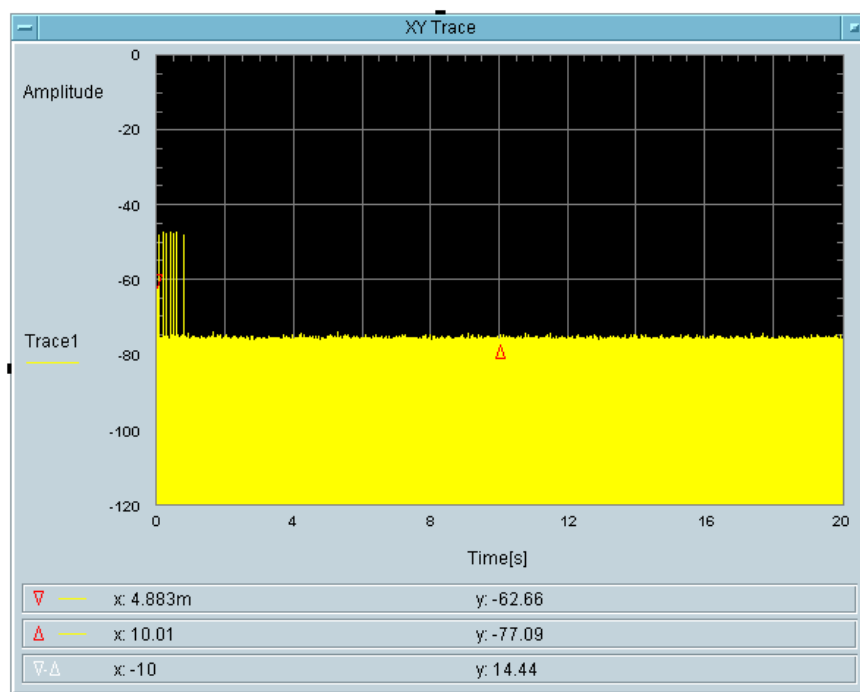
Total On Time After Delay [s]
19.59m

5570 MHz, Bandwidth 160 MHz

Type 0 radar channel move time and channel closing transmission time result:

Channel closing transmitting time (ms)	Limit (ms)	Result
46.39+24.41	200+60	Pass

Channel move time (s)	Limit (s)	Result
< 10	10	Pass



Total On Time [s]
46.39m

Total On Time After Delay [s]
24.41m

8 Non-Occupancy Period

8.1 Test Procedure

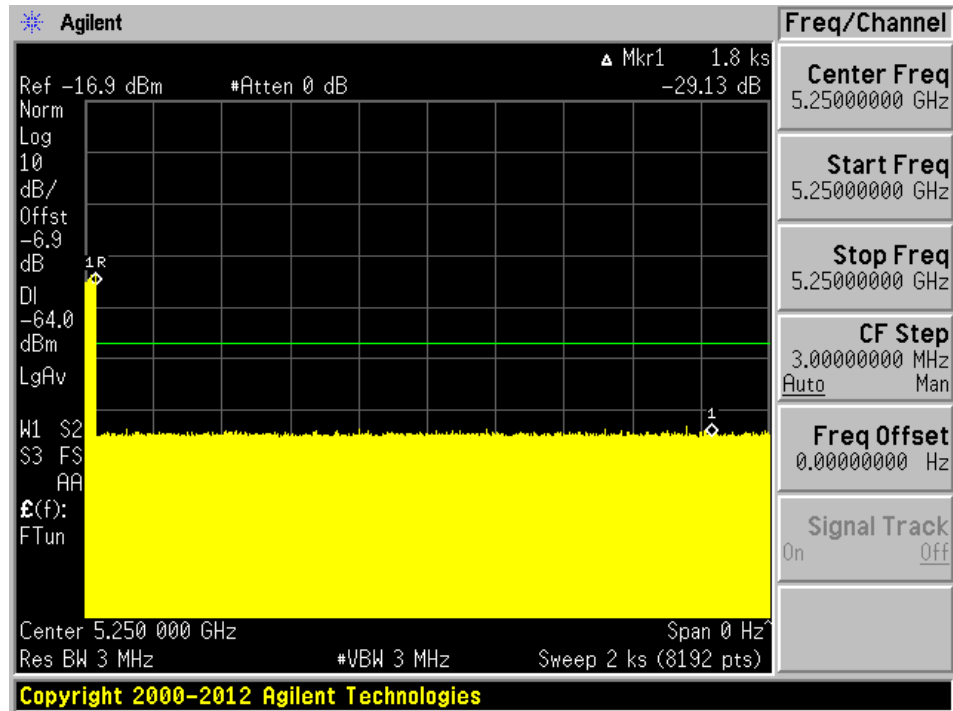
Measure the EUT for more than 30 minutes following the channel close/move time to verify that the EUT does not resume any transmissions on this channel. Provide one plot to demonstrate no transmission on the channel for the non-occupancy period (30 minutes observation time)

8.2 Test Results

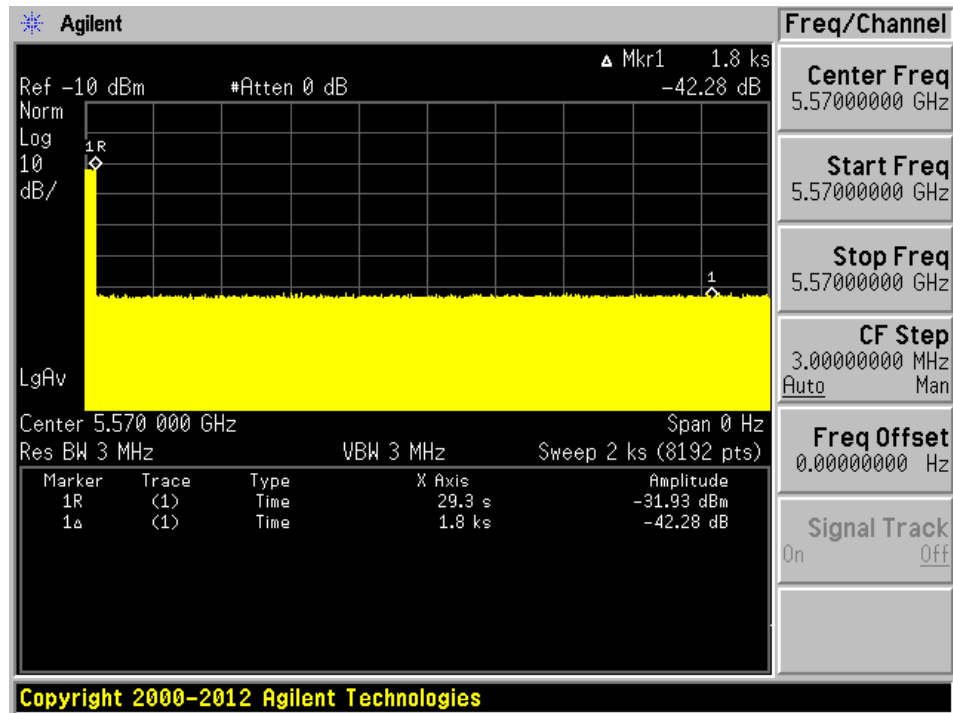
Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5250	20	No transmission within 30 minutes
5570	20	No transmission within 30 minutes

Please refer to the following plots.

5250 MHz, Bandwidth 160 MHz



5570 MHz, Bandwidth 160 MHz



9 Radar Detection Bandwidth & Radar Detection Performance Check

9.1 Detection Bandwidth

Procedure:

Performed with any one of the short pulse radar waveforms type 0

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 FH) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies above FH 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 FL) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies below FL is not required to demonstrate compliance.

The U-NII Detection Bandwidth is calculated as follows: U-NII Detection Bandwidth = FH – FL

Test Results

Frequency (MHz)	F _L (MHz)	F _H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5260	5250	5270	20	100%	Compliance
5270	5250	5290	40	100%	Compliance
5290	5250	5330	80	100%	Compliance
5250	5250	5329	80	100%	Compliance
5500	5490	5510	20	100%	Compliance
5510	5491	5530	39	100%	Compliance
5530	5490	5570	80	100%	Compliance
5570	5490	5649	159	100%	Compliance

Please refer to the following tables.

Results of Detection Bandwidth:

EUT Frequency = 5260 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5249	0	0	0	0	0	0	0	0	0	0	0 %
5250(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260(F _C)	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5271	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = F_H – F_L=5270-5250=20 MHz											
EUT 99% OBW = 19 MHz; 19 x 100% = 19 MHz						Result:		Pass			

EUT Frequency = 5500 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5489	0	0	0	0	0	0	0	0	0	0	0 %
5490(F_L)	1	1	1	0	1	1	1	1	1	1	90 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500(F _C)	1	1	1	1	1	1	1	1	1	1	100 %
5505	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 %
5511	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = F_H – F_L=5510-5490=20 MHz											
EUT 99% OBW = 19 MHz; 19 x 100% = 19 MHz						Result:		Pass			

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 (%)
5249	0	0	0	0	0	0	0	0	0	0	0 %
5250(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270(F _C)	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(F_H)	1	0	1	1	1	1	1	1	1	1	90 %
5291	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = F _H – F _L =5290-5250=40 MHz											
EUT 99% OBW = 37.5 MHz; 37.5 x 100% = 37.5 MHz						Result:		Pass			

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 (%)
5490	1	1	0	0	1	0	1	1	0	1	60 %
5491(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510(F _C)	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(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5531	0	0	0	0	0	0	0	0	0	1	10 %
Detection Bandwidth = F _H – F _L =5530-5491=39 MHz											
EUT 99% OBW = 37.5 MHz; 37.5 x 100% = 37.5 MHz						Result:		Pass			

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 (%)
5249	0	0	0	0	0	0	0	0	0	0	0 %
5250(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5290(F _C)	1	1	1	1	1	1	1	1	1	1	100 %
5295	1	1	1	1	1	1	1	1	1	1	100 %
5300	1	1	1	1	1	1	1	1	1	1	100 %
5305	1	1	1	1	1	1	1	1	1	1	100 %
5310	1	1	1	1	1	1	1	1	1	1	100 %
5315	1	1	1	1	1	1	1	1	1	1	100 %
5320	1	1	1	1	1	1	1	1	1	1	100 %
5325	1	1	1	1	1	1	1	1	1	1	100 %
5330(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5329	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = F _H – F _L =5330-5250=80 MHz											
EUT 99% OBW = 77 MHz; 77 x 100% = 77 MHz						Result:		Pass			

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 (%)
5489	0	0	0	0	0	0	0	0	0	0	0 %
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530(F _C)	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5571	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = F _H – F _L =5570-5490=80 MHz											
EUT 99% OBW = 77 MHz; 77 x 100% = 77 MHz						Result:		Pass			

EUT Frequency = 5250 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
5249	0	0	0	0	0	0	0	0	0	0	0 %
5250(F_L)	1	1	1	1	1	1	0	1	1	1	90 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5290(F _C)	1	1	1	1	1	1	1	1	1	1	100 %
5295	1	1	1	1	1	1	1	1	1	1	100 %
5300	1	1	1	1	1	1	1	1	1	1	100 %
5305	1	1	1	1	1	1	1	1	1	1	100 %
5310	1	1	1	1	1	1	1	1	1	1	100 %
5315	1	1	1	1	1	1	1	1	1	1	100 %
5320	1	1	1	1	1	1	1	1	1	1	100 %
5325	1	1	1	1	1	1	1	1	1	1	100 %
5330(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5331	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = F _H – F _L =5330-5250=80 MHz											
EUT 99% OBW = 77 MHz; 77 x 100% = 77 MHz						Result:		Pass			

EUT Frequency = 5570 MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Rate (%)
54989	0	0	0	0	0	0	0	0	0	0	0 %
5490(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5495	1	1	1	1	1	1	1	1	1	1	100 %
5500	1	1	1	1	1	1	1	1	1	1	100 %
5505	1	1	1	1	1	1	1	1	1	1	100 %
5510	1	1	1	1	1	1	1	1	1	1	100 %
5515	1	1	1	1	1	1	1	1	1	1	100 %
5520	1	1	1	1	1	1	1	1	1	1	100 %
5525	1	1	1	1	1	1	1	1	1	1	100 %
5530	1	1	1	1	1	1	1	1	1	1	100 %
5535	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5545	1	1	1	1	1	1	1	1	1	1	100 %
5550	1	1	1	1	1	1	1	1	1	1	100 %
5555	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5565	1	1	1	1	1	1	1	1	1	1	100 %
5570(F _C)	1	1	1	1	1	1	1	1	1	1	100 %
5575	1	1	1	1	1	1	1	1	1	1	100 %
5580	1	1	1	1	1	1	1	1	1	1	100 %
5585	1	1	1	1	1	1	1	1	1	1	100 %
5590	1	1	1	1	1	1	1	1	1	1	100 %
5595	1	1	1	1	1	1	1	1	1	1	100 %
5600	1	1	1	1	1	1	1	1	1	1	100 %
5605	1	1	1	1	1	1	1	1	1	1	100 %
5610	1	1	1	1	1	1	1	1	1	1	100 %
5615	1	1	1	1	1	1	1	1	1	1	100 %
5620	1	1	1	1	1	1	1	1	1	1	100 %
5625	1	1	1	1	1	1	1	1	1	1	100 %
5630	1	1	1	1	1	1	1	1	1	1	100 %
5635	1	1	1	1	1	1	1	1	1	1	100 %
5640	1	1	1	1	1	1	1	1	1	1	100 %
5645	1	1	1	1	1	1	1	1	1	1	100 %
5649(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5650	1	0	1	1	1	0	0	1	1	1	70 %
Detection Bandwidth = F _H – F _L =5649-5490=159 MHz											
EUT 99% OBW = 156 MHz; 156 x 100% = 156 MHz						Result:		Pass			

9.2 Radar Detection Performance Check

Procedure:

Stream MPEG file from master to slave

Generate radar waveform

Record whether or not the waveform was detected

At least 30 trials are applied for each radar type

For radar types with randomized parameters, each trial uses a unique waveform

Perform with each of the radar types 1-6

Confirm that the detection rate for each radar type meets the minimum requirement

Type 1A&1B, 2, 3, 4: 60% each

Type 5: 80%

Type 6: 70%

Confirm that the mean of the rates for radar types 1 through 4 meets the requirement of 80%

$$\text{Detection Ratio} = \frac{\text{Total Waveform Detections}}{\text{Total Waveform Trials}} \times 100$$

Test Results:

5260 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	83.3 %	60%	Pass
Type 3	30	93.3 %	60%	Pass
Type 4	30	90 %	60%	Pass
Aggregate (Type1 to 4)	120	91.7%	80%	Pass
Type 5	30	93.3 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

Table-1A/1B Radar Type 1A/1B Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5251	95	1	558	1
2	5251	81	1	658	1
3	5251	92	1	578	1
4	5251	63	1	838	1
5	5251	67	1	798	1
6	5260	61	1	878	1
7	5260	83	1	638	1
8	5260	59	1	898	1
9	5260	58	1	918	1
10	5260	70	1	758	1
11	5269	102	1	518	1
12	5269	68	1	778	1
13	5269	86	1	618	1
14	5269	57	1	938	1
15	5269	76	1	698	1
16	5251	25	1	2185	1
17	5251	57	1	941	1
18	5251	21	1	2523	1
19	5251	31	1	1710	1
20	5251	24	1	2210	1
21	5260	42	1	1285	1
22	5260	38	1	1423	1
23	5260	48	1	1101	1
24	5260	46	1	1167	1
25	5260	26	1	2083	1
26	5269	22	1	2415	1
27	5269	76	1	703	1
28	5269	88	1	605	1
29	5269	18	1	3032	1
30	5269	29	1	1873	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5251	23	4.5	217	1
2	5251	26	1.3	199	1
3	5251	28	1	213	1
4	5251	25	4.6	167	1
5	5251	28	3.2	204	1
6	5251	24	4.6	195	1
7	5251	26	4.4	150	1
8	5251	28	4.8	201	1
9	5251	29	3	217	1
10	5251	25	1	182	1
11	5260	27	3.9	168	1
12	5260	23	4	178	1
13	5260	25	1	198	1
14	5260	29	3.9	193	1
15	5260	28	1	154	0
16	5260	27	1	185	1
17	5260	28	4.1	211	0
18	5260	28	2.2	206	1
19	5260	27	4.2	182	0
20	5260	28	4.4	219	1
21	5269	23	1.1	197	0
22	5269	26	3.1	218	1
23	5269	29	4.5	206	1
24	5269	24	4.7	188	1
25	5269	28	1.8	181	0
26	5269	28	3.5	223	1
27	5269	26	1.8	199	1
28	5269	25	1.5	191	1
29	5269	27	1.4	159	1
30	5269	25	1.1	182	1
Detection Percentage: 83.3 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5251	17	9.8	406	1
2	5251	17	9.7	321	1
3	5251	18	9.3	472	1
4	5251	16	9.4	221	1
5	5251	17	6.8	395	1
6	5251	16	7.9	305	1
7	5251	16	8	377	1
8	5251	18	9.3	404	1
9	5251	17	6.5	265	0
10	5251	17	7.4	469	1
11	5260	18	6.2	476	1
12	5260	16	6.5	227	1
13	5260	16	8.3	492	1
14	5260	17	7.1	474	0
15	5260	17	10	440	1
16	5260	17	6.5	330	1
17	5260	18	6.6	481	1
18	5260	16	6.2	494	1
19	5260	16	8.1	257	1
20	5260	17	9.9	434	1
21	5269	16	9.3	249	1
22	5269	18	6.9	209	1
23	5269	18	7.2	202	1
24	5269	17	6.2	487	1
25	5269	16	7.9	375	1
26	5269	16	6.8	382	1
27	5269	17	6.4	390	1
28	5269	16	7	219	1
29	5269	18	9.5	413	1
30	5269	17	6	244	1
Detection Percentage: 93.3 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5251	15	11	236	1
2	5251	16	14.3	455	1
3	5251	12	17.4	434	1
4	5251	12	19.3	255	1
5	5251	12	14.2	309	1
6	5251	15	19.4	339	1
7	5251	16	17.7	344	1
8	5251	15	17.2	410	1
9	5251	12	12.1	492	1
10	5251	14	11.5	350	1
11	5260	13	18.3	218	1
12	5260	14	16.1	320	1
13	5260	14	19.6	483	1
14	5260	12	12.7	482	0
15	5260	15	12.1	430	1
16	5260	14	19.6	295	1
17	5260	15	18.9	338	0
18	5260	14	15	324	1
19	5260	15	14	415	0
20	5260	16	13.7	292	1
21	5269	12	18.7	252	1
22	5269	14	14.3	257	1
23	5269	13	19.5	370	1
24	5269	16	15.3	316	1
25	5269	15	15.7	470	1
26	5269	13	19.8	355	1
27	5269	13	14.8	448	1
28	5269	16	15	330	1
29	5269	15	17.5	381	1
30	5269	15	12.1	249	1
Detection Percentage: 90.0% (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5260	1
2	5260	1
3	5260	1
4	5260	0
5	5260	1
6	5260	1
7	5260	1
8	5260	1
9	5260	1
10	5260	1
11	5253.8	1
12	5253.4	1
13	5257.8	1
14	5257.8	1
15	5255.8	1
16	5255.8	1
17	5253.4	1
18	5256.6	1
19	5255.4	1
20	5259.0	1
21	5263.8	1
22	5265.8	1
23	5263.4	1
24	5265.0	1
25	5262.6	0
26	5263.4	1
27	5265.8	1
28	5264.6	1
29	5262.6	1
30	5261.4	1
Detection Percentage: 93.3 % (>80%)		

Bin5 Statistics 1

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	92.5	1638	1641	0.634698	1
1	2	14	56.3	1128		1.470795	
2	2	14	68	1233		2.401402	
3	2	14	72.4	1694		3.405864	
4	2	14	73.6	1591		4.956637	
5	2	14	76.6	1182		5.628495	
6	2	14	55.9	1650		7.544502	
7	3	14	97.1	1356	1833	8.004847	
8	2	14	89.7	1889		9.265628	
9	3	14	94.4	1904	1437	10.086367	
10	2	14	78.7	1443		11.46497	

Bin5 Statistics 2

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	77.2	1611		0.484015	1
1	2	10	57	1024		1.089049	
2	3	10	95.1	1679	1170	1.585121	
3	2	10	74.7	1058		1.909962	
4	1	10	82.7			2.448382	
5	2	10	62.1	1890	TRUE	3.184082	
6	2	10	99.4	1096		3.713563	
7	2	10	52.2	1638		4.722406	
8	2	10	62.1	1749		5.086558	
9	2	10	87.1	1017		5.468273	
10	3	10	66.5	1523	1891	6.092649	
11	2	10	77.5	1190		7.02913	
12	2	10	72.2	1984		7.400214	
13	2	10	83	1432		7.903064	
14	2	10	71	1786		8.610743	
15	2	10	54.3	1671		9.350192	
16	3	10	97.4	1928	1062	9.85886	
17	1	10	82.9			10.659728	
18	2	10	79.9	1269		11.239758	
19	2	10	77.1	1144		11.827245	

Bin5 Statistics 3

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	53.1	1129		0.14051	1
1	2	11	89.1	1889		1.152692	
2	3	11	61.1	1058	1642	2.479945	
3	3	11	78.7	1759	1622	3.366381	
4	1	11	56.9			4.175885	
5	2	11	66.7	1384	TRUE	5.816859	
6	2	11	58.6	1127		6.102395	
7	2	11	72.4	1577		7.931995	
8	3	11	53.9	1720	1198	8.579269	
9	1	11	85.7			9.985942	
10	2	11	71.2	1629		10.624023	
11	2	11	96	1386		11.388534	

Bin5 Statistics 4

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	51.2			0.683251	0
1	2	10	62.4	1314		1.408386	
2	1	10	92.4			2.217776	
3	3	10	72.4	1115	1454	2.507311	
4	1	10	92.4			3.10993	
5	2	10	62.2	1374		4.408614	
6	2	10	87.2	1182		4.844898	
7	2	10	56.1	1423		5.650962	
8	1	10	56.9			6.163974	
9	2	10	83.1	1687		6.905437	
10	2	10	84.7	1755		8.188945	
11	3	10	76.7	1255	1685	8.713288	
12	2	10	51.1	1798		9.679922	
13	3	10	56.5	1130	1369	10.145446	
14	3	10	97.9	1767	1565	10.627272	
15	2	10	55.2	1923		11.421298	

Bin5 Statistics 5

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	66.7	1177	1239	0.753574	1
1	3	13	83.3	1198	1193	1.766162	
2	2	13	92.9	1758		2.67947	
3	2	13	65	1553		3.125405	
4	1	13	61.6			3.720069	
5	1	13	72.7			5.277082	
6	2	13	90.3	1060		5.606238	
7	3	13	57.4	1202	1044	7.077362	
8	2	13	62.2	1439		7.920106	
9	2	13	66.4	1217		8.925863	
10	2	13	83.6	1037		10.076332	
11	2	13	58.1	1245		10.28181	
12	3	13	50.4	1422	1765	11.609484	

Bin5 Statistics 6

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	87.6	1249	1748	0.490102	1
1	1	8	81.4			1.66728	
2	3	8	94.4	1811	1239	2.046227	
3	3	8	60.8	1419	1994	3.60701	
4	3	8	69.6	1933	1242	4.942345	
5	2	8	91.3	1700		5.865304	
6	2	8	86.9	1623		6.856176	
7	1	8	67.3			7.865235	
8	1	8	87.2			8.284744	
9	3	8	82.4	1635	1543	9.065572	
10	3	8	78	1751	1114	10.236037	
11	2	8	75.2	1736		11.143691	

Bin5 Statistics 7

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	93.5	1342		0.247487	1
1	2	14	79.9	1701		0.68848	
2	2	14	53	1894		1.674795	
3	1	14	74.2			2.36133	
4	3	14	93.2	1775	1827	2.592764	
5	2	14	54.5	1090		3.343094	
6	3	14	51.7	1412	1512	3.657639	
7	2	14	92.1	1307		4.586208	
8	1	14	80.7			4.952166	
9	2	14	95.2	1732		5.662016	
10	2	14	62.7	1101		6.530504	
11	2	14	62.3	1437		6.662578	
12	1	14	87.5			7.599111	
13	1	14	59.8			8.345823	
14	2	14	50.8	1864		8.675484	
15	2	14	79.8	1104		9.420074	
16	3	14	64.1	1275	1913	9.97099	
17	1	14	66			10.38527	
18	2	14	53.2	1720		11.059138	
19	1	14	81.8			11.566799	

Bin5 Statistics 8

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	72.6	1272		0.582456	1
1	3	11	64.2	1530	1542	1.165535	
2	3	11	93	1401	1587	2.205832	
3	2	11	94.2	1487		3.004272	
4	2	11	93.2	1699		4.535766	
5	2	11	73	1053		5.634228	
6	1	11	97.8			6.168653	
7	2	11	85.7	1027		7.200204	
8	2	11	83.8	1289		8.900384	
9	2	11	75.3	1714		9.147069	
10	2	11	62	1418		10.914769	
11	3	11	64.6	1022	1892	11.566497	

Bin5 Statistics 9

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	91.7	1469		0.275659	1
1	2	10	77.6	1299		2.021724	
2	1	10	87.7			3.768097	
3	3	10	97.4	1039	1245	4.885707	
4	1	10	66.5			6.85809	
5	1	10	54.3			7.953497	
6	2	10	76.3	1777		10.258824	
7	3	10	76.6	1421	1311	11.600273	

Bin5 Statistics 10

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	69.9	1915		0.737094	1
1	3	11	66.1	1160	1521	0.946528	
2	2	11	86.6	1716		2.447606	
3	3	11	52.6	1794	1961	2.647177	
4	1	11	83.1			3.746064	
5	3	11	56.1	1294	1579	4.948832	
6	2	11	74.8	1490		5.926439	
7	2	11	50.5	1780		6.084393	
8	1	11	81.6			7.633166	
9	2	11	95.6	1093		8.062786	
10	2	11	66.8	1712		8.847618	
11	2	11	77.7	1391		9.848507	
12	2	11	81.5	1526		11.121012	
13	3	11	82.7	1088	1053	11.231731	

Bin5 Statistics 11

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	86.4	1635		0.53227	1
1	1	7	53.6			1.24475	
2	2	7	55.8	1950		1.541592	
3	2	7	60	1163		2.143977	
4	1	7	55.5			3.50272	
5	2	7	82.1	1549		4.01865	
6	2	7	76.4	1259		4.626449	
7	2	7	51.6	1320		5.471409	
8	1	7	86			6.28578	
9	2	7	74.7	1846		6.917452	
10	1	7	71.1			7.188801	
11	1	7	53.9			8.028582	
12	3	7	64	1094	1956	8.905405	
13	1	7	68.9			9.330972	
14	2	7	86.9	1638		10.391108	
15	1	7	75.3			10.87315	
16	2	7	58.9	1450		11.629829	

Bin5 Statistics 12

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	56.7	1589		0.188908	1
1	3	6	85.5	1043	1540	0.632454	
2	2	6	50.8	1668		1.721716	
3	1	6	95.8			2.171143	
4	2	6	66.9	1606		2.723879	
5	2	6	56.2	1835		3.539147	
6	2	6	84.3	1714		4.026709	
7	3	6	97	1143	1700	4.37109	
8	2	6	98	1718		5.040847	
9	2	6	58.5	1555		5.714096	
10	3	6	61.2	1677	1789	6.101785	
11	2	6	98	1930		6.992333	
12	2	6	89.5	1843		7.686466	
13	3	6	78.3	1479	1104	7.951565	
14	2	6	50.9	1588		8.552582	
15	2	6	90.6	1758		9.279932	
16	3	6	73.7	1204	1919	9.79108	
17	3	6	88.8	1164	1104	10.45153	
18	3	6	68.4	1758	1571	11.292671	
19	3	6	77.6	1413	1594	11.938589	

Bin5 Statistics 13

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	75	1505	1042	0.065805	1
1	2	17	67.2	1434		1.261207	
2	2	17	93.3	1730		2.272845	
3	1	17	95.5			3.554089	
4	2	17	96	1249		4.864332	
5	3	17	55.6	1807	1046	5.80143	
6	2	17	85.2	1218		6.403738	
7	2	17	60	1753		7.688422	
8	3	17	51.6	1854	1354	8.673517	
9	3	17	79.3	1063	1720	9.606511	
10	1	17	66			10.839555	
11	3	17	75.7	1057	1560	11.268092	

Bin5 Statistics 14

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	54.6	1234		0.577327	1
1	2	17	53.7	1103		0.988522	
2	2	17	84.3	1820		1.718735	
3	2	17	83.3	1928		2.824028	
4	3	17	72.1	1347	1614	3.299722	
5	3	17	82.3	1564	1605	4.478577	
6	3	17	73.2	1777	1984	5.157705	
7	2	17	76.8	1617		5.613449	
8	2	17	91	1244		6.447213	
9	2	17	75.3	1826		7.738236	
10	3	17	51.1	1758	1676	8.236588	
11	3	17	59.7	1764	1408	9.225555	
12	3	17	56.5	1046	1303	10.306109	
13	2	17	89	1396		11.18407	
14	2	17	70.1	1921		11.51478	

Bin5 Statistics 15

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	96.2	1874	1900	0.097668	1
1	3	12	63.2	1686	1928	0.649172	
2	2	12	97	1273		1.735074	
3	3	12	91.9	1942	1692	1.92862	
4	2	12	93	1295		2.563403	
5	3	12	53	1534	1342	3.499054	
6	2	12	99.2	1054		3.863937	
7	2	12	57.7	1801		4.751835	
8	3	12	97.8	1101	1777	5.581451	
9	3	12	94	1137	1485	6.06961	
10	1	12	71			6.409524	
11	2	12	96.3	1128		7.139959	
12	2	12	73.7	1445		7.972502	
13	3	12	62.8	1686	1504	8.472189	
14	2	12	63.1	1161		9.271773	
15	3	12	85.8	1178	1979	10.073597	
16	1	12	98.5			10.318327	
17	2	12	60.7	1197		11.269644	
18	3	12	79.6	1688	1639	11.424457	

Bin5 Statistics 16

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	74	1640		0.40784	1
1	3	12	50.2	1865	1295	1.256249	
2	2	12	51.3	1406		1.579614	
3	2	12	89	1401		2.119506	
4	1	12	96.5			3.161999	
5	2	12	58	1778		3.655285	
6	2	12	86.3	1396		4.304949	
7	2	12	83.4	1023		5.309272	
8	2	12	78.6	1480		5.883263	
9	3	12	56.1	1781	1660	6.228702	
10	2	12	71.1	1895		7.182557	
11	1	12	95.5			7.522288	
12	3	12	78.6	1616	1856	8.373668	
13	2	12	56.8	1086		9.040165	
14	1	12	70.9			9.711842	
15	3	12	87	1958	1634	10.058075	
16	2	12	56.7	1148		10.992759	
17	1	12	60.4			11.829584	

Bin5 Statistics 17

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	62.1	1332		0.422529	1
1	2	6	76.9	1918		1.516883	
2	2	6	87.1	1998		1.835461	
3	3	6	87.5	1882	1510	2.987751	
4	2	6	85.5	1726		3.501112	
5	1	6	77.7			4.61018	
6	3	6	98.7	1527	1906	5.401232	
7	1	6	66.2			6.158752	
8	2	6	56.2	1074		7.574704	
9	1	6	84.1			8.440842	
10	2	6	85.2	1468		8.751259	
11	1	6	72.1			9.78246	
12	2	6	76.6	1019		10.580755	
13	3	6	84.8	1272	1578	11.928938	

Bin5 Statistics 18

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	75.5			0.292202	1
1	2	14	62.7	1443		0.775468	
2	1	14	92.5			1.512189	
3	1	14	74.6			2.511746	
4	2	14	67.2	1085		3.01161	
5	2	14	53.3	1377		3.531549	
6	1	14	66.8			4.237975	
7	2	14	64.5	1360		4.821318	
8	3	14	61.7	1420	1026	5.377367	
9	2	14	90.3	1576		6.133067	
10	2	14	89.6	1365		7.27654	
11	2	14	63.9	1108		7.345048	
12	3	14	78.5	1632	1531	8.194554	
13	2	14	57.2	1263		8.811007	
14	2	14	87.3	1802		9.403802	
15	2	14	60.5	1637		10.01994	
16	2	14	92.5	1271		10.808847	
17	2	14	64.4	1390		11.423723	

Bin5 Statistics 19

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	85.1			0.746099	1
1	2	11	88.9	1876		1.144294	
2	1	11	79			1.876212	
3	1	11	62.1			2.558818	
4	3	11	97	1022	1552	3.281936	
5	3	11	64.3	1909	1102	4.164822	
6	2	11	76.7	1676		4.693347	
7	2	11	71.8	1331		5.913364	
8	2	11	53.9	1317		6.734309	
9	1	11	93.7			7.119187	
10	2	11	62.7	1919		8.11013	
11	2	11	53.8	1650		8.334794	
12	2	11	75.3	1965		9.41254	
13	1	11	82.3			10.203586	
14	2	11	64.1	1500		11.207186	
15	2	11	92.1	1499		11.350237	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	20	74.6			0.492042	1
1	2	20	85.5	1219		0.7634	
2	2	20	99.8	1009		2.176686	
3	3	20	80.6	1287	1059	2.266558	
4	2	20	85.5	1251		3.619037	
5	2	20	58.1	1817		3.798404	
6	2	20	82.9	1185		4.510018	
7	2	20	68.1	1844		5.256684	
8	1	20	84.7			6.015987	
9	3	20	63.6	1640	1769	6.809774	
10	2	20	74.2	1697		8.031583	
11	2	20	76.4	1093		8.255201	
12	1	20	72.8			9.294633	
13	2	20	92.6	1724		10.160613	
14	2	20	81.1	1843		11.180325	
15	2	20	58.5	1792		11.265521	

Bin5 Statistics 21

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	1491		0.611039	1
1	1	13	50.2			0.774254	
2	2	13	55.6	1857		1.753774	
3	2	13	55.2	1967		2.106797	
4	1	13	55.2			3.282215	
5	3	13	70.9	1749	1981	3.847777	
6	2	13	91.2	1145		4.312586	
7	3	13	73.4	1805	1214	4.691243	
8	1	13	55.5			5.606204	
9	2	13	76.5	1331		6.346943	
10	2	13	73.5	1386		7.06527	
11	2	13	77.8	1678		7.402003	
12	3	13	85.7	1400	1785	8.583114	
13	3	13	52.3	1017	1643	9.228364	
14	3	13	86	1344	1158	9.476534	
15	2	13	67.7	1741		10.602016	
16	2	13	62.4	1851		11.111139	
17	1	13	93.2			11.713443	

Bin5 Statistics 22

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	56.7			0.5794	1
1	3	8	59.4	1226	1299	1.124826	
2	3	8	75.2	1168	1802	2.21229	
3	2	8	61.6	1977		3.489926	
4	2	8	81	1419		4.090782	
5	2	8	74.9	1969		5.245611	
6	2	8	51.6	1190		5.607424	
7	2	8	55.8	1333		6.643976	
8	1	8	65.9			8.038595	
9	2	8	63.6	1971		8.875587	
10	2	8	82.5	1019		9.786673	
11	2	8	61.7	1819		10.756536	
12	2	8	75.5	1916		11.373827	

Bin5 Statistics 23

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	75.2	1521	1923	0.785339	1
1	2	14	51.9	1433		1.680416	
2	2	14	74.3	1210		3.178789	
3	3	14	99.2	1910	1637	4.159405	
4	1	14	67.4			5.891224	
5	3	14	60.5	1211	1748	7.185576	
6	2	14	59.5	1461		7.633771	
7	3	14	60.2	1849	1168	8.971683	
8	1	14	76.8			9.886944	
9	2	14	88.5	1657		11.250862	

Bin5 Statistics 24

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	95.4	1523		0.082291	1
1	3	10	65.3	1876	1370	1.216343	
2	3	10	91.2	1881	1634	2.281607	
3	2	10	51.4	1492		3.140681	
4	2	10	86.1	1863		4.04299	
5	3	10	52.1	1987	1949	5.578487	
6	2	10	79.2	1263		6.736064	
7	1	10	58			7.377104	
8	1	10	82.9			8.530158	
9	3	10	94.9	1196	1081	9.001786	
10	3	10	51.4	1377	1885	10.477556	
11	1	10	78.7			11.304372	

Bin5 Statistics 25

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	68.1	1445		0.142445	0
1	2	16	70.3	1367		1.247077	
2	3	16	81.2	1623	1334	1.380312	
3	3	16	84.8	1733	1460	2.269499	
4	3	16	82.3	1141	1691	2.714313	
5	3	16	51.1	1224	1572	3.455344	
6	2	16	88.8	1813		4.641484	
7	2	16	90.3	1057		4.929104	
8	1	16	55.7			5.701007	
9	1	16	82.2			6.59463	
10	1	16	69.4			7.156167	
11	1	16	88.1			7.735896	
12	3	16	94.6	1369	1924	8.245241	
13	2	16	64	1045		9.289684	
14	1	16	95.8			9.806335	
15	1	16	65.9			10.551032	
16	1	16	50			10.711939	
17	1	16	91.6			11.709128	

Bin5 Statistics 26

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	79.3	1112		1.437384	1
1	2	14	82.5	1003		1.762394	
2	2	14	66.6	1848		3.045504	
3	2	14	84.3	1472		5.685438	
4	2	14	77.1	1377		6.080456	
5	2	14	87.5	1258		7.767088	
6	3	14	89.9	1667	1829	9.278225	
7	3	14	88.7	1379	1457	10.557368	

Bin5 Statistics 27

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	63.3	1227	1863	0.593948	1
1	2	8	81.7	1331		2.277004	
2	2	8	63.8	1203		3.707716	
3	3	8	76.6	1533	1701	4.531167	
4	2	8	56.5	1756		6.60554	
5	1	8	56.2			8.045246	
6	2	8	62.6	1796		9.7228	
7	2	8	93.1	1612		11.218997	

Bin5 Statistics 28

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	96.4	1583		0.680458	1
1	1	11	80.8			1.180964	
2	2	11	66.6	1505		1.655047	
3	2	11	85.1	1750		2.780612	
4	1	11	64.7			3.444218	
5	2	11	63.9	1370		4.10529	
6	2	11	93.8	1596		5.008333	
7	1	11	93.2			5.602923	
8	3	11	52.7	1850	1323	7.01208	
9	2	11	63.8	1031		7.342535	
10	2	11	74.1	1695		8.0722	
11	3	11	97.7	1023	1666	9.557568	
12	2	11	85.1	1028		9.788189	
13	2	11	90	1603		10.785633	
14	3	11	90.9	1360	1247	11.432082	

Bin5 Statistics 29

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	99.2			0.489079	1
1	2	16	61.7	1457		1.217149	
2	2	16	82	1482		1.843601	
3	2	16	86.2	1746		2.637935	
4	2	16	56.3	1053		3.480288	
5	1	16	76.9			3.54987	
6	3	16	96.7	1769	1988	4.90181	
7	1	16	55.4			5.188801	
8	2	16	62	1784		5.985944	
9	3	16	57.4	1280	1449	6.510077	
10	2	16	90.9	1526		7.420085	
11	2	16	96.1	1665		7.782192	
12	1	16	73.6			9.062626	
13	2	16	88	1275		9.734625	
14	1	16	73.4			10.081077	
15	1	16	63.9			11.065504	
16	1	16	59			11.866103	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (μS)	Pulse 2-3 spacing (μS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	91.9	1429		0.205407	1
1	1	19	64.5			1.744492	
2	2	19	87.8	1136		3.348221	
3	3	19	79.1	1967	1181	4.300082	
4	1	19	75			5.292035	
5	2	19	77.6	1534		7.139513	
6	1	19	68.3			7.574283	
7	1	19	80.3			8.691125	
8	2	19	60.9	1549		9.858395	
9	1	19	95.1			10.909737	

Table-6 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	5531.0, 5570.0, 5346.0, 5299.0, 5549.0, 5459.0, 5651.0, 5470.0, 5563.0, 5568.0, 5286.0, 5696.0, 5501.0, 5590.0, 5703.0, 5627.0, 5431.0, 5554.0, 5684.0, 5461.0, 5643.0, 5300.0, 5294.0, 5619.0, 5577.0, 5593.0, 5364.0, 5559.0, 5261.0, 5269.0, 5309.0, 5573.0, 5695.0, 5692.0, 5624.0, 5290.0, 5419.0, 5424.0, 5481.0, 5417.0, 5711.0, 5673.0, 5614.0, 5558.0, 5258.0, 5452.0, 5335.0, 5677.0, 5659.0, 5411.0, 5401.0, 5363.0, 5679.0, 5474.0, 5448.0, 5444.0, 5368.0, 5336.0, 5400.0, 5504.0, 5361.0, 5259.0, 5331.0, 5343.0, 5387.0, 5275.0, 5373.0, 5510.0, 5416.0, 5386.0, 5542.0, 5569.0, 5429.0, 5441.0, 5321.0, 5349.0, 5456.0, 5478.0, 5672.0, 5316.0, 5443.0, 5681.0, 5662.0, 5289.0, 5575.0, 5406.0, 5671.0, 5412.0, 5434.0, 5723.0, 5291.0, 5288.0, 5521.0, 5691.0, 5654.0, 5503.0, 5600.0, 5413.0, 5636.0, 5378.0 (number of hits: 3)
2	5260	9	1	333	1	5635.0, 5308.0, 5524.0, 5613.0, 5254.0, 5369.0, 5348.0, 5466.0, 5462.0, 5404.0, 5683.0, 5710.0, 5671.0, 5471.0, 5698.0, 5478.0, 5571.0, 5433.0, 5343.0, 5585.0, 5420.0, 5532.0, 5647.0, 5604.0, 5351.0, 5382.0, 5577.0, 5618.0, 5352.0, 5347.0, 5568.0, 5409.0, 5720.0, 5295.0, 5526.0, 5353.0, 5582.0, 5723.0, 5688.0, 5297.0, 5380.0, 5706.0, 5389.0, 5670.0, 5667.0, 5560.0, 5332.0, 5395.0, 5457.0, 5649.0, 5527.0, 5695.0, 5424.0, 5322.0, 5564.0, 5401.0, 5567.0, 5259.0, 5547.0, 5416.0, 5634.0, 5301.0, 5660.0, 5522.0, 5495.0, 5273.0, 5615.0, 5316.0, 5406.0, 5531.0, 5366.0, 5718.0, 5294.0, 5668.0, 5542.0, 5676.0, 5559.0, 5429.0, 5280.0, 5377.0, 5326.0, 5677.0, 5396.0, 5260.0, 5625.0, 5637.0, 5674.0, 5656.0, 5719.0, 5436.0, 5361.0, 5689.0, 5621.0, 5257.0, 5394.0, 5442.0, 5338.0, 5428.0, 5261.0, 5431.0 (number of hits: 5)
3	5260	9	1	333	1	5533.0, 5366.0, 5631.0, 5416.0, 5521.0, 5582.0, 5492.0, 5363.0, 5367.0, 5390.0, 5614.0, 5306.0, 5566.0, 5661.0, 5649.0, 5474.0, 5690.0, 5494.0, 5635.0, 5572.0, 5377.0, 5698.0, 5539.0, 5616.0, 5386.0, 5689.0, 5591.0, 5452.0, 5418.0, 5406.0, 5656.0, 5397.0, 5483.0, 5704.0, 5497.0, 5301.0, 5327.0, 5503.0, 5470.0, 5563.0, 5253.0, 5353.0, 5429.0, 5640.0, 5471.0, 5464.0, 5551.0, 5398.0, 5280.0, 5328.0, 5462.0, 5617.0, 5265.0, 5362.0, 5706.0, 5695.0, 5433.0, 5292.0, 5456.0, 5634.0,

						5459.0, 5476.0, 5630.0, 5719.0, 5286.0, 5396.0, 5424.0, 5380.0, 5319.0, 5251.0, 5445.0, 5693.0, 5701.0, 5717.0, 5506.0, 5547.0, 5453.0, 5447.0, 5254.0, 5593.0, 5356.0, 5297.0, 5359.0, 5405.0, 5256.0, 5414.0, 5412.0, 5637.0, 5627.0, 5720.0, 5271.0, 5296.0, 5645.0, 5485.0, 5590.0, 5606.0, 5666.0, 5373.0, 5519.0, 5662.0 (number of hits: 5)
4	5260	9	1	333	1	5501.0, 5532.0, 5605.0, 5401.0, 5540.0, 5424.0, 5577.0, 5551.0, 5533.0, 5680.0, 5524.0, 5259.0, 5335.0, 5446.0, 5689.0, 5402.0, 5431.0, 5671.0, 5675.0, 5265.0, 5405.0, 5559.0, 5417.0, 5295.0, 5272.0, 5555.0, 5542.0, 5340.0, 5418.0, 5580.0, 5704.0, 5635.0, 5488.0, 5292.0, 5277.0, 5359.0, 5560.0, 5371.0, 5398.0, 5678.0, 5339.0, 5601.0, 5679.0, 5255.0, 5288.0, 5297.0, 5311.0, 5684.0, 5329.0, 5351.0, 5479.0, 5720.0, 5450.0, 5693.0, 5380.0, 5612.0, 5621.0, 5569.0, 5362.0, 5598.0, 5458.0, 5394.0, 5284.0, 5570.0, 5399.0, 5344.0, 5261.0, 5469.0, 5486.0, 5567.0, 5528.0, 5408.0, 5585.0, 5317.0, 5539.0, 5409.0, 5387.0, 5392.0, 5397.0, 5316.0, 5536.0, 5395.0, 5521.0, 5655.0, 5258.0, 5692.0, 5378.0, 5404.0, 5641.0, 5690.0, 5318.0, 5634.0, 5505.0, 5588.0, 5614.0, 5368.0, 5615.0, 5273.0, 5527.0, 5477.0 (number of hits: 5)
5	5260	9	1	333	1	5561.0, 5392.0, 5263.0, 5571.0, 5388.0, 5473.0, 5300.0, 5564.0, 5317.0, 5570.0, 5295.0, 5521.0, 5377.0, 5503.0, 5340.0, 5306.0, 5535.0, 5384.0, 5542.0, 5374.0, 5541.0, 5515.0, 5630.0, 5370.0, 5519.0, 5517.0, 5687.0, 5677.0, 5577.0, 5365.0, 5373.0, 5575.0, 5475.0, 5666.0, 5422.0, 5442.0, 5701.0, 5251.0, 5456.0, 5576.0, 5470.0, 5330.0, 5299.0, 5315.0, 5347.0, 5619.0, 5611.0, 5493.0, 5642.0, 5525.0, 5439.0, 5712.0, 5527.0, 5294.0, 5518.0, 5676.0, 5289.0, 5326.0, 5256.0, 5536.0, 5275.0, 5540.0, 5448.0, 5543.0, 5628.0, 5381.0, 5265.0, 5472.0, 5552.0, 5710.0, 5443.0, 5489.0, 5369.0, 5555.0, 5395.0, 5420.0, 5353.0, 5582.0, 5652.0, 5328.0, 5511.0, 5645.0, 5302.0, 5271.0, 5350.0, 5428.0, 5355.0, 5686.0, 5257.0, 5612.0, 5669.0, 5507.0, 5633.0, 5427.0, 5386.0, 5641.0, 5349.0, 5488.0, 5620.0, 5716.0 (number of hits: 5)
6	5260	9	1	333	1	5457.0, 5321.0, 5529.0, 5488.0, 5257.0, 5505.0, 5466.0, 5686.0, 5340.0, 5492.0, 5710.0, 5691.0, 5469.0, 5260.0, 5406.0, 5398.0, 5448.0, 5616.0, 5312.0, 5558.0, 5590.0, 5638.0, 5636.0, 5683.0, 5419.0, 5696.0, 5651.0, 5264.0, 5543.0, 5495.0, 5531.0, 5325.0, 5278.0, 5627.0, 5456.0, 5387.0, 5673.0, 5525.0, 5511.0, 5368.0, 5422.0, 5454.0, 5534.0, 5292.0, 5256.0,

						5281.0, 5467.0, 5395.0, 5689.0, 5682.0, 5605.0, 5491.0, 5484.0, 5440.0, 5573.0, 5545.0, 5460.0, 5408.0, 5563.0, 5588.0, 5604.0, 5320.0, 5513.0, 5556.0, 5417.0, 5537.0, 5250.0, 5692.0, 5253.0, 5330.0, 5675.0, 5473.0, 5526.0, 5474.0, 5355.0, 5291.0, 5512.0, 5703.0, 5519.0, 5290.0, 5659.0, 5444.0, 5653.0, 5678.0, 5401.0, 5724.0, 5337.0, 5715.0, 5516.0, 5461.0, 5409.0, 5328.0, 5272.0, 5297.0, 5296.0, 5367.0, 5572.0, 5576.0, 5285.0, 5482.0 (number of hits: 5)
7	5260	9	1	333	1	5344.0, 5390.0, 5564.0, 5557.0, 5357.0, 5697.0, 5633.0, 5421.0, 5263.0, 5580.0, 5505.0, 5465.0, 5691.0, 5658.0, 5310.0, 5462.0, 5678.0, 5717.0, 5611.0, 5410.0, 5490.0, 5662.0, 5452.0, 5327.0, 5419.0, 5684.0, 5270.0, 5673.0, 5680.0, 5579.0, 5446.0, 5530.0, 5288.0, 5366.0, 5568.0, 5499.0, 5472.0, 5657.0, 5482.0, 5338.0, 5612.0, 5713.0, 5361.0, 5314.0, 5260.0, 5655.0, 5362.0, 5671.0, 5567.0, 5544.0, 5574.0, 5381.0, 5416.0, 5405.0, 5504.0, 5719.0, 5534.0, 5395.0, 5616.0, 5596.0, 5368.0, 5411.0, 5286.0, 5652.0, 5524.0, 5287.0, 5689.0, 5540.0, 5455.0, 5475.0, 5635.0, 5406.0, 5503.0, 5315.0, 5589.0, 5538.0, 5619.0, 5507.0, 5723.0, 5398.0, 5694.0, 5649.0, 5474.0, 5404.0, 5453.0, 5473.0, 5679.0, 5626.0, 5520.0, 5639.0, 5595.0, 5427.0, 5307.0, 5561.0, 5478.0, 5676.0, 5485.0, 5378.0, 5267.0, 5429.0 (number of hits: 3)
8	5260	9	1	333	1	5642.0, 5285.0, 5488.0, 5668.0, 5541.0, 5612.0, 5353.0, 5256.0, 5375.0, 5352.0, 5381.0, 5320.0, 5484.0, 5595.0, 5550.0, 5429.0, 5608.0, 5560.0, 5466.0, 5340.0, 5619.0, 5517.0, 5348.0, 5611.0, 5678.0, 5629.0, 5592.0, 5384.0, 5521.0, 5476.0, 5332.0, 5714.0, 5500.0, 5717.0, 5471.0, 5408.0, 5594.0, 5722.0, 5455.0, 5447.0, 5395.0, 5358.0, 5341.0, 5454.0, 5504.0, 5672.0, 5414.0, 5580.0, 5640.0, 5621.0, 5712.0, 5563.0, 5620.0, 5528.0, 5421.0, 5366.0, 5444.0, 5632.0, 5547.0, 5392.0, 5536.0, 5694.0, 5416.0, 5265.0, 5441.0, 5557.0, 5533.0, 5339.0, 5304.0, 5539.0, 5426.0, 5342.0, 5545.0, 5344.0, 5493.0, 5610.0, 5308.0, 5615.0, 5596.0, 5391.0, 5523.0, 5433.0, 5292.0, 5250.0, 5385.0, 5522.0, 5383.0, 5676.0, 5296.0, 5386.0, 5273.0, 5424.0, 5530.0, 5591.0, 5587.0, 5446.0, 5329.0, 5281.0, 5482.0, 5481.0 (number of hits: 2)
9	5260	9	1	333	1	5633.0, 5636.0, 5479.0, 5284.0, 5638.0, 5397.0, 5428.0, 5377.0, 5264.0, 5294.0, 5462.0, 5485.0, 5670.0, 5632.0, 5403.0, 5456.0, 5300.0, 5342.0, 5678.0, 5259.0, 5618.0, 5690.0, 5254.0, 5546.0, 5524.0, 5547.0, 5614.0, 5704.0, 5422.0, 5361.0,

						5679.0, 5348.0, 5402.0, 5339.0, 5700.0, 5409.0, 5554.0, 5526.0, 5570.0, 5267.0, 5496.0, 5385.0, 5476.0, 5291.0, 5278.0, 5514.0, 5486.0, 5494.0, 5581.0, 5609.0, 5689.0, 5628.0, 5316.0, 5527.0, 5559.0, 5378.0, 5627.0, 5569.0, 5489.0, 5453.0, 5252.0, 5376.0, 5306.0, 5645.0, 5503.0, 5519.0, 5272.0, 5367.0, 5542.0, 5676.0, 5319.0, 5369.0, 5400.0, 5629.0, 5516.0, 5719.0, 5439.0, 5686.0, 5469.0, 5661.0, 5360.0, 5548.0, 5371.0, 5307.0, 5540.0, 5683.0, 5718.0, 5384.0, 5582.0, 5566.0, 5288.0, 5468.0, 5353.0, 5475.0, 5653.0, 5573.0, 5408.0, 5265.0, 5711.0, 5538.0 (number of hits: 6)
10	5260	9	1	333	1	5675.0, 5357.0, 5334.0, 5449.0, 5379.0, 5521.0, 5465.0, 5690.0, 5596.0, 5374.0, 5723.0, 5656.0, 5493.0, 5693.0, 5455.0, 5539.0, 5545.0, 5604.0, 5680.0, 5443.0, 5613.0, 5527.0, 5546.0, 5611.0, 5344.0, 5686.0, 5342.0, 5566.0, 5358.0, 5444.0, 5277.0, 5383.0, 5498.0, 5638.0, 5708.0, 5351.0, 5405.0, 5438.0, 5429.0, 5698.0, 5699.0, 5705.0, 5716.0, 5254.0, 5257.0, 5599.0, 5494.0, 5445.0, 5268.0, 5681.0, 5664.0, 5513.0, 5625.0, 5547.0, 5541.0, 5375.0, 5396.0, 5614.0, 5501.0, 5411.0, 5626.0, 5542.0, 5662.0, 5451.0, 5548.0, 5458.0, 5456.0, 5320.0, 5412.0, 5620.0, 5720.0, 5303.0, 5577.0, 5450.0, 5581.0, 5406.0, 5591.0, 5417.0, 5651.0, 5679.0, 5371.0, 5378.0, 5528.0, 5571.0, 5714.0, 5360.0, 5564.0, 5366.0, 5684.0, 5428.0, 5273.0, 5467.0, 5609.0, 5510.0, 5665.0, 5431.0, 5407.0, 5349.0, 5259.0, 5435.0 (number of hits: 4)
11	5260	9	1	333	1	5418.0, 5699.0, 5673.0, 5608.0, 5447.0, 5714.0, 5332.0, 5438.0, 5324.0, 5398.0, 5503.0, 5603.0, 5514.0, 5584.0, 5596.0, 5693.0, 5620.0, 5434.0, 5551.0, 5396.0, 5718.0, 5259.0, 5422.0, 5342.0, 5614.0, 5311.0, 5466.0, 5423.0, 5433.0, 5283.0, 5302.0, 5439.0, 5392.0, 5451.0, 5533.0, 5368.0, 5402.0, 5490.0, 5539.0, 5506.0, 5615.0, 5565.0, 5389.0, 5647.0, 5320.0, 5570.0, 5407.0, 5453.0, 5571.0, 5499.0, 5296.0, 5356.0, 5622.0, 5285.0, 5654.0, 5606.0, 5675.0, 5668.0, 5636.0, 5554.0, 5344.0, 5528.0, 5275.0, 5640.0, 5383.0, 5374.0, 5515.0, 5519.0, 5404.0, 5537.0, 5387.0, 5405.0, 5429.0, 5297.0, 5574.0, 5278.0, 5345.0, 5289.0, 5526.0, 5340.0, 5510.0, 5512.0, 5416.0, 5632.0, 5377.0, 5563.0, 5401.0, 5403.0, 5583.0, 5270.0, 5501.0, 5367.0, 5560.0, 5642.0, 5572.0, 5659.0, 5384.0, 5517.0, 5619.0, 5325.0 (number of hits: 1)
12	5260	9	1	333	1	5365.0, 5370.0, 5651.0, 5635.0, 5495.0, 5261.0, 5641.0, 5282.0, 5254.0, 5487.0, 5643.0, 5486.0, 5436.0, 5583.0, 5677.0,

						5609.0, 5566.0, 5385.0, 5626.0, 5695.0, 5478.0, 5288.0, 5279.0, 5573.0, 5629.0, 5604.0, 5477.0, 5514.0, 5575.0, 5387.0, 5652.0, 5529.0, 5342.0, 5623.0, 5462.0, 5459.0, 5274.0, 5586.0, 5659.0, 5424.0, 5660.0, 5673.0, 5563.0, 5639.0, 5714.0, 5479.0, 5508.0, 5328.0, 5312.0, 5337.0, 5298.0, 5682.0, 5262.0, 5293.0, 5351.0, 5598.0, 5688.0, 5694.0, 5488.0, 5618.0, 5525.0, 5343.0, 5475.0, 5313.0, 5680.0, 5631.0, 5582.0, 5555.0, 5613.0, 5678.0, 5644.0, 5715.0, 5451.0, 5612.0, 5524.0, 5697.0, 5264.0, 5666.0, 5523.0, 5310.0, 5549.0, 5411.0, 5548.0, 5286.0, 5672.0, 5594.0, 5352.0, 5348.0, 5308.0, 5442.0, 5562.0, 5556.0, 5551.0, 5611.0, 5591.0, 5702.0, 5558.0, 5259.0, 5431.0, 5608.0 (number of hits: 5)
13	5260	9	1	333	1	5499.0, 5708.0, 5487.0, 5422.0, 5517.0, 5328.0, 5597.0, 5406.0, 5635.0, 5369.0, 5453.0, 5692.0, 5533.0, 5569.0, 5563.0, 5624.0, 5331.0, 5669.0, 5381.0, 5640.0, 5580.0, 5405.0, 5587.0, 5450.0, 5613.0, 5377.0, 5476.0, 5524.0, 5429.0, 5523.0, 5402.0, 5632.0, 5468.0, 5399.0, 5277.0, 5431.0, 5717.0, 5385.0, 5718.0, 5398.0, 5258.0, 5540.0, 5363.0, 5323.0, 5472.0, 5574.0, 5558.0, 5267.0, 5374.0, 5628.0, 5606.0, 5679.0, 5724.0, 5528.0, 5638.0, 5306.0, 5500.0, 5448.0, 5696.0, 5390.0, 5539.0, 5383.0, 5485.0, 5411.0, 5511.0, 5293.0, 5301.0, 5541.0, 5392.0, 5506.0, 5491.0, 5665.0, 5670.0, 5571.0, 5253.0, 5584.0, 5687.0, 5272.0, 5585.0, 5659.0, 5454.0, 5509.0, 5680.0, 5465.0, 5283.0, 5684.0, 5615.0, 5637.0, 5270.0, 5702.0, 5330.0, 5372.0, 5387.0, 5560.0, 5579.0, 5403.0, 5595.0, 5505.0, 5570.0, 5709.0 (number of hits: 3)
14	5260	9	1	333	1	5329.0, 5269.0, 5536.0, 5543.0, 5693.0, 5501.0, 5493.0, 5681.0, 5518.0, 5674.0, 5510.0, 5566.0, 5622.0, 5259.0, 5476.0, 5335.0, 5385.0, 5346.0, 5296.0, 5284.0, 5550.0, 5523.0, 5486.0, 5542.0, 5657.0, 5469.0, 5276.0, 5297.0, 5474.0, 5720.0, 5490.0, 5690.0, 5481.0, 5382.0, 5358.0, 5324.0, 5393.0, 5341.0, 5568.0, 5639.0, 5700.0, 5683.0, 5539.0, 5569.0, 5611.0, 5257.0, 5306.0, 5511.0, 5679.0, 5637.0, 5364.0, 5279.0, 5427.0, 5478.0, 5250.0, 5628.0, 5604.0, 5617.0, 5303.0, 5692.0, 5502.0, 5325.0, 5288.0, 5554.0, 5315.0, 5721.0, 5615.0, 5606.0, 5277.0, 5552.0, 5350.0, 5577.0, 5532.0, 5624.0, 5546.0, 5545.0, 5396.0, 5411.0, 5591.0, 5514.0, 5582.0, 5390.0, 5711.0, 5537.0, 5255.0, 5531.0, 5292.0, 5710.0, 5567.0, 5412.0, 5561.0, 5519.0, 5435.0, 5515.0, 5323.0, 5332.0, 5365.0, 5564.0, 5372.0, 5392.0 (number of hits: 3)

15	5260	9	1	333	1	5661.0, 5439.0, 5317.0, 5721.0, 5269.0, 5542.0, 5518.0, 5467.0, 5534.0, 5335.0, 5418.0, 5495.0, 5710.0, 5279.0, 5453.0, 5409.0, 5548.0, 5529.0, 5591.0, 5716.0, 5585.0, 5484.0, 5646.0, 5356.0, 5604.0, 5326.0, 5703.0, 5323.0, 5275.0, 5276.0, 5440.0, 5433.0, 5707.0, 5556.0, 5337.0, 5611.0, 5417.0, 5373.0, 5427.0, 5252.0, 5359.0, 5380.0, 5530.0, 5444.0, 5640.0, 5401.0, 5636.0, 5708.0, 5429.0, 5638.0, 5580.0, 5327.0, 5296.0, 5395.0, 5345.0, 5306.0, 5662.0, 5709.0, 5686.0, 5553.0, 5398.0, 5397.0, 5693.0, 5698.0, 5717.0, 5294.0, 5699.0, 5624.0, 5374.0, 5714.0, 5430.0, 5523.0, 5493.0, 5251.0, 5546.0, 5705.0, 5557.0, 5517.0, 5593.0, 5494.0, 5450.0, 5595.0, 5588.0, 5365.0, 5677.0, 5375.0, 5502.0, 5309.0, 5456.0, 5496.0, 5515.0, 5549.0, 5470.0, 5667.0, 5630.0, 5584.0, 5422.0, 5370.0, 5545.0, 5610.0 (number of hits: 2)
16	5260	9	1	333	1	5660.0, 5342.0, 5583.0, 5336.0, 5591.0, 5453.0, 5283.0, 5402.0, 5565.0, 5692.0, 5580.0, 5535.0, 5335.0, 5285.0, 5675.0, 5443.0, 5474.0, 5316.0, 5418.0, 5664.0, 5618.0, 5597.0, 5645.0, 5459.0, 5276.0, 5690.0, 5639.0, 5636.0, 5706.0, 5682.0, 5404.0, 5449.0, 5455.0, 5719.0, 5531.0, 5432.0, 5498.0, 5563.0, 5722.0, 5332.0, 5648.0, 5526.0, 5575.0, 5507.0, 5538.0, 5711.0, 5567.0, 5477.0, 5684.0, 5442.0, 5588.0, 5339.0, 5344.0, 5617.0, 5465.0, 5676.0, 5426.0, 5354.0, 5656.0, 5616.0, 5355.0, 5429.0, 5537.0, 5614.0, 5533.0, 5549.0, 5703.0, 5399.0, 5701.0, 5586.0, 5343.0, 5295.0, 5501.0, 5357.0, 5256.0, 5467.0, 5279.0, 5511.0, 5405.0, 5328.0, 5478.0, 5289.0, 5714.0, 5699.0, 5691.0, 5257.0, 5611.0, 5264.0, 5541.0, 5281.0, 5489.0, 5713.0, 5650.0, 5325.0, 5398.0, 5310.0, 5472.0, 5454.0, 5251.0, 5547.0 (number of hits: 4)
17	5260	9	1	333	1	5405.0, 5258.0, 5318.0, 5363.0, 5495.0, 5570.0, 5367.0, 5548.0, 5646.0, 5477.0, 5252.0, 5397.0, 5505.0, 5301.0, 5508.0, 5583.0, 5521.0, 5482.0, 5555.0, 5349.0, 5722.0, 5407.0, 5520.0, 5634.0, 5719.0, 5271.0, 5264.0, 5627.0, 5504.0, 5308.0, 5674.0, 5712.0, 5663.0, 5584.0, 5693.0, 5439.0, 5538.0, 5720.0, 5620.0, 5671.0, 5255.0, 5684.0, 5458.0, 5319.0, 5364.0, 5704.0, 5612.0, 5467.0, 5341.0, 5396.0, 5324.0, 5517.0, 5325.0, 5692.0, 5354.0, 5429.0, 5471.0, 5589.0, 5380.0, 5522.0, 5398.0, 5590.0, 5330.0, 5511.0, 5560.0, 5615.0, 5619.0, 5625.0, 5332.0, 5705.0, 5360.0, 5543.0, 5278.0, 5389.0, 5280.0, 5528.0, 5506.0, 5417.0, 5568.0, 5515.0, 5340.0, 5645.0, 5390.0, 5270.0, 5577.0, 5586.0, 5514.0, 5273.0, 5436.0, 5253.0,

						5329.0, 5549.0, 5564.0, 5562.0, 5587.0, 5478.0, 5621.0, 5519.0, 5391.0, 5578.0 (number of hits: 5)
18	5260	9	1	333	1	5489.0, 5254.0, 5643.0, 5488.0, 5326.0, 5408.0, 5615.0, 5672.0, 5624.0, 5510.0, 5545.0, 5438.0, 5716.0, 5300.0, 5723.0, 5351.0, 5498.0, 5321.0, 5601.0, 5320.0, 5353.0, 5337.0, 5712.0, 5528.0, 5265.0, 5306.0, 5608.0, 5366.0, 5274.0, 5516.0, 5493.0, 5361.0, 5261.0, 5397.0, 5617.0, 5541.0, 5289.0, 5619.0, 5424.0, 5676.0, 5593.0, 5292.0, 5394.0, 5682.0, 5551.0, 5461.0, 5536.0, 5342.0, 5687.0, 5263.0, 5382.0, 5439.0, 5646.0, 5595.0, 5688.0, 5605.0, 5585.0, 5383.0, 5476.0, 5427.0, 5705.0, 5425.0, 5445.0, 5473.0, 5720.0, 5664.0, 5581.0, 5287.0, 5547.0, 5293.0, 5454.0, 5718.0, 5552.0, 5636.0, 5500.0, 5566.0, 5458.0, 5625.0, 5415.0, 5295.0, 5475.0, 5666.0, 5465.0, 5599.0, 5294.0, 5446.0, 5607.0, 5428.0, 5391.0, 5406.0, 5364.0, 5264.0, 5386.0, 5635.0, 5587.0, 5653.0, 5568.0, 5468.0, 5482.0, 5544.0 (number of hits: 5)
19	5260	9	1	333	1	5666.0, 5295.0, 5483.0, 5465.0, 5607.0, 5626.0, 5267.0, 5390.0, 5456.0, 5586.0, 5335.0, 5645.0, 5676.0, 5428.0, 5371.0, 5291.0, 5368.0, 5707.0, 5417.0, 5471.0, 5442.0, 5665.0, 5516.0, 5650.0, 5462.0, 5672.0, 5614.0, 5473.0, 5644.0, 5648.0, 5252.0, 5289.0, 5418.0, 5318.0, 5385.0, 5374.0, 5498.0, 5403.0, 5664.0, 5705.0, 5523.0, 5476.0, 5591.0, 5593.0, 5276.0, 5330.0, 5550.0, 5355.0, 5323.0, 5572.0, 5537.0, 5580.0, 5560.0, 5486.0, 5598.0, 5434.0, 5279.0, 5510.0, 5671.0, 5533.0, 5525.0, 5508.0, 5507.0, 5444.0, 5405.0, 5541.0, 5642.0, 5461.0, 5623.0, 5570.0, 5272.0, 5464.0, 5491.0, 5490.0, 5254.0, 5720.0, 5280.0, 5285.0, 5450.0, 5652.0, 5338.0, 5710.0, 5310.0, 5620.0, 5685.0, 5377.0, 5543.0, 5375.0, 5625.0, 5714.0, 5422.0, 5552.0, 5443.0, 5667.0, 5547.0, 5565.0, 5440.0, 5337.0, 5673.0, 5447.0 (number of hits: 3)
20	5260	9	1	333	1	5648.0, 5670.0, 5673.0, 5562.0, 5385.0, 5422.0, 5570.0, 5472.0, 5711.0, 5265.0, 5567.0, 5301.0, 5285.0, 5481.0, 5260.0, 5479.0, 5589.0, 5588.0, 5295.0, 5387.0, 5552.0, 5352.0, 5538.0, 5345.0, 5313.0, 5489.0, 5545.0, 5644.0, 5349.0, 5488.0, 5250.0, 5362.0, 5499.0, 5557.0, 5631.0, 5638.0, 5533.0, 5620.0, 5703.0, 5598.0, 5580.0, 5623.0, 5419.0, 5471.0, 5383.0, 5432.0, 5532.0, 5450.0, 5333.0, 5276.0, 5322.0, 5643.0, 5495.0, 5629.0, 5535.0, 5302.0, 5480.0, 5350.0, 5704.0, 5318.0, 5551.0, 5625.0, 5402.0, 5542.0, 5587.0, 5363.0, 5290.0, 5437.0, 5252.0, 5331.0, 5544.0, 5634.0, 5722.0, 5440.0, 5591.0,

						5607.0, 5674.0, 5694.0, 5569.0, 5443.0, 5380.0, 5592.0, 5435.0, 5287.0, 5255.0, 5508.0, 5309.0, 5367.0, 5656.0, 5253.0, 5650.0, 5677.0, 5470.0, 5659.0, 5604.0, 5611.0, 5705.0, 5462.0, 5306.0, 5546.0 (number of hits: 5)
21	5260	9	1	333	1	5418.0, 5558.0, 5658.0, 5465.0, 5545.0, 5372.0, 5413.0, 5295.0, 5349.0, 5583.0, 5398.0, 5410.0, 5300.0, 5548.0, 5676.0, 5647.0, 5359.0, 5626.0, 5302.0, 5493.0, 5467.0, 5370.0, 5517.0, 5378.0, 5397.0, 5643.0, 5361.0, 5654.0, 5717.0, 5699.0, 5599.0, 5695.0, 5512.0, 5522.0, 5666.0, 5352.0, 5311.0, 5603.0, 5482.0, 5671.0, 5564.0, 5601.0, 5673.0, 5608.0, 5502.0, 5646.0, 5316.0, 5503.0, 5696.0, 5440.0, 5477.0, 5639.0, 5710.0, 5353.0, 5317.0, 5354.0, 5362.0, 5591.0, 5500.0, 5275.0, 5263.0, 5593.0, 5579.0, 5280.0, 5538.0, 5595.0, 5721.0, 5443.0, 5473.0, 5399.0, 5260.0, 5304.0, 5544.0, 5611.0, 5489.0, 5466.0, 5298.0, 5679.0, 5684.0, 5560.0, 5667.0, 5479.0, 5554.0, 5327.0, 5619.0, 5495.0, 5390.0, 5515.0, 5617.0, 5622.0, 5612.0, 5262.0, 5381.0, 5423.0, 5293.0, 5638.0, 5630.0, 5561.0, 5371.0, 5256.0 (number of hits: 4)
22	5260	9	1	333	1	5483.0, 5665.0, 5472.0, 5296.0, 5481.0, 5723.0, 5373.0, 5689.0, 5681.0, 5711.0, 5251.0, 5521.0, 5537.0, 5694.0, 5526.0, 5639.0, 5529.0, 5699.0, 5280.0, 5641.0, 5336.0, 5448.0, 5397.0, 5535.0, 5256.0, 5392.0, 5488.0, 5435.0, 5425.0, 5367.0, 5547.0, 5531.0, 5309.0, 5480.0, 5283.0, 5561.0, 5297.0, 5586.0, 5270.0, 5459.0, 5331.0, 5291.0, 5557.0, 5316.0, 5476.0, 5714.0, 5693.0, 5717.0, 5457.0, 5279.0, 5305.0, 5514.0, 5646.0, 5686.0, 5332.0, 5579.0, 5485.0, 5257.0, 5540.0, 5515.0, 5286.0, 5315.0, 5362.0, 5260.0, 5662.0, 5396.0, 5346.0, 5633.0, 5393.0, 5399.0, 5611.0, 5391.0, 5282.0, 5569.0, 5556.0, 5666.0, 5718.0, 5598.0, 5254.0, 5326.0, 5712.0, 5310.0, 5637.0, 5317.0, 5379.0, 5541.0, 5626.0, 5495.0, 5610.0, 5322.0, 5442.0, 5400.0, 5380.0, 5533.0, 5616.0, 5649.0, 5499.0, 5359.0, 5644.0, 5512.0 (number of hits: 5)
23	5260	9	1	333	1	5597.0, 5592.0, 5691.0, 5683.0, 5679.0, 5519.0, 5578.0, 5581.0, 5634.0, 5366.0, 5368.0, 5428.0, 5539.0, 5258.0, 5666.0, 5264.0, 5642.0, 5386.0, 5397.0, 5318.0, 5376.0, 5409.0, 5693.0, 5611.0, 5483.0, 5303.0, 5461.0, 5531.0, 5714.0, 5685.0, 5316.0, 5302.0, 5342.0, 5647.0, 5271.0, 5551.0, 5345.0, 5670.0, 5415.0, 5308.0, 5253.0, 5661.0, 5358.0, 5608.0, 5544.0, 5370.0, 5618.0, 5285.0, 5475.0, 5260.0, 5306.0, 5355.0, 5413.0, 5349.0, 5473.0, 5414.0, 5524.0, 5593.0, 5628.0, 5556.0

						5406.0, 5443.0, 5460.0, 5688.0, 5610.0, 5329.0, 5629.0, 5423.0, 5391.0, 5630.0, 5719.0, 5689.0, 5410.0, 5474.0, 5529.0, 5290.0, 5313.0, 5287.0, 5445.0, 5401.0, 5697.0, 5266.0, 5540.0, 5276.0, 5678.0, 5371.0, 5315.0, 5383.0, 5419.0, 5586.0, 5338.0, 5359.0, 5255.0, 5596.0, 5459.0, 5390.0, 5496.0, 5373.0, 5681.0, 5388.0 (number of hits: 6)
24	5260	9	1	333	1	5506.0, 5555.0, 5579.0, 5581.0, 5385.0, 5645.0, 5501.0, 5599.0, 5505.0, 5556.0, 5536.0, 5629.0, 5457.0, 5563.0, 5299.0, 5302.0, 5494.0, 5604.0, 5400.0, 5467.0, 5567.0, 5531.0, 5436.0, 5389.0, 5307.0, 5397.0, 5700.0, 5327.0, 5443.0, 5593.0, 5611.0, 5625.0, 5424.0, 5466.0, 5440.0, 5689.0, 5449.0, 5495.0, 5594.0, 5719.0, 5482.0, 5535.0, 5387.0, 5293.0, 5686.0, 5311.0, 5503.0, 5452.0, 5659.0, 5524.0, 5381.0, 5341.0, 5407.0, 5622.0, 5455.0, 5685.0, 5619.0, 5492.0, 5324.0, 5297.0, 5651.0, 5267.0, 5428.0, 5340.0, 5442.0, 5404.0, 5626.0, 5662.0, 5471.0, 5676.0, 5545.0, 5631.0, 5525.0, 5410.0, 5376.0, 5715.0, 5386.0, 5319.0, 5463.0, 5277.0, 5265.0, 5591.0, 5707.0, 5543.0, 5331.0, 5359.0, 5290.0, 5477.0, 5550.0, 5564.0, 5657.0, 5627.0, 5693.0, 5396.0, 5530.0, 5542.0, 5559.0, 5433.0, 5479.0, 5278.0 (number of hits: 2)
25	5260	9	1	333	1	5645.0, 5444.0, 5585.0, 5710.0, 5492.0, 5538.0, 5344.0, 5399.0, 5320.0, 5280.0, 5594.0, 5338.0, 5300.0, 5267.0, 5254.0, 5455.0, 5605.0, 5483.0, 5449.0, 5522.0, 5327.0, 5637.0, 5480.0, 5411.0, 5423.0, 5664.0, 5672.0, 5642.0, 5388.0, 5600.0, 5673.0, 5308.0, 5528.0, 5690.0, 5532.0, 5342.0, 5402.0, 5648.0, 5567.0, 5579.0, 5337.0, 5367.0, 5649.0, 5269.0, 5527.0, 5689.0, 5609.0, 5608.0, 5250.0, 5345.0, 5663.0, 5319.0, 5470.0, 5378.0, 5450.0, 5613.0, 5304.0, 5618.0, 5357.0, 5268.0, 5321.0, 5441.0, 5426.0, 5553.0, 5680.0, 5400.0, 5634.0, 5405.0, 5462.0, 5291.0, 5675.0, 5348.0, 5313.0, 5412.0, 5497.0, 5625.0, 5707.0, 5559.0, 5453.0, 5299.0, 5676.0, 5665.0, 5662.0, 5607.0, 5350.0, 5517.0, 5652.0, 5654.0, 5699.0, 5505.0, 5539.0, 5681.0, 5339.0, 5488.0, 5281.0, 5516.0, 5631.0, 5615.0, 5352.0, 5277.0 (number of hits: 3)
26	5260	9	1	333	1	5692.0, 5399.0, 5539.0, 5680.0, 5650.0, 5511.0, 5664.0, 5391.0, 5406.0, 5553.0, 5492.0, 5515.0, 5397.0, 5591.0, 5683.0, 5673.0, 5595.0, 5345.0, 5390.0, 5423.0, 5661.0, 5684.0, 5510.0, 5682.0, 5428.0, 5353.0, 5494.0, 5351.0, 5327.0, 5431.0, 5438.0, 5500.0, 5408.0, 5624.0, 5657.0, 5260.0, 5271.0, 5550.0, 5681.0, 5633.0, 5296.0, 5386.0, 5498.0, 5481.0, 5465.0,

						5709.0, 5691.0, 5375.0, 5503.0, 5301.0, 5365.0, 5573.0, 5419.0, 5659.0, 5490.0, 5562.0, 5478.0, 5638.0, 5443.0, 5701.0, 5305.0, 5372.0, 5547.0, 5634.0, 5582.0, 5686.0, 5529.0, 5292.0, 5340.0, 5384.0, 5637.0, 5403.0, 5617.0, 5654.0, 5619.0, 5606.0, 5416.0, 5422.0, 5328.0, 5318.0, 5555.0, 5269.0, 5718.0, 5538.0, 5291.0, 5332.0, 5436.0, 5480.0, 5297.0, 5454.0, 5588.0, 5600.0, 5290.0, 5411.0, 5461.0, 5381.0, 5470.0, 5264.0, 5587.0, 5518.0 (number of hits: 2)
27	5260	9	1	333	1	5425.0, 5596.0, 5699.0, 5457.0, 5722.0, 5341.0, 5693.0, 5529.0, 5654.0, 5278.0, 5657.0, 5334.0, 5344.0, 5423.0, 5724.0, 5710.0, 5332.0, 5615.0, 5315.0, 5574.0, 5322.0, 5507.0, 5335.0, 5611.0, 5670.0, 5675.0, 5514.0, 5343.0, 5721.0, 5663.0, 5304.0, 5276.0, 5351.0, 5275.0, 5637.0, 5614.0, 5684.0, 5340.0, 5419.0, 5691.0, 5369.0, 5353.0, 5458.0, 5537.0, 5646.0, 5667.0, 5656.0, 5405.0, 5298.0, 5430.0, 5530.0, 5258.0, 5625.0, 5547.0, 5639.0, 5329.0, 5424.0, 5583.0, 5662.0, 5531.0, 5261.0, 5525.0, 5363.0, 5668.0, 5321.0, 5627.0, 5568.0, 5273.0, 5255.0, 5650.0, 5602.0, 5524.0, 5533.0, 5573.0, 5333.0, 5411.0, 5355.0, 5544.0, 5286.0, 5572.0, 5540.0, 5698.0, 5441.0, 5312.0, 5323.0, 5617.0, 5517.0, 5467.0, 5555.0, 5612.0, 5589.0, 5716.0, 5301.0, 5448.0, 5421.0, 5559.0, 5697.0, 5389.0, 5478.0, 5254.0 (number of hits: 4)
28	5260	9	1	333	1	5401.0, 5344.0, 5520.0, 5351.0, 5264.0, 5485.0, 5369.0, 5262.0, 5321.0, 5388.0, 5632.0, 5659.0, 5528.0, 5664.0, 5291.0, 5596.0, 5670.0, 5509.0, 5678.0, 5618.0, 5712.0, 5487.0, 5486.0, 5349.0, 5322.0, 5277.0, 5623.0, 5522.0, 5474.0, 5709.0, 5710.0, 5490.0, 5456.0, 5389.0, 5459.0, 5526.0, 5457.0, 5628.0, 5687.0, 5504.0, 5503.0, 5645.0, 5303.0, 5372.0, 5374.0, 5442.0, 5656.0, 5400.0, 5299.0, 5546.0, 5396.0, 5317.0, 5654.0, 5582.0, 5302.0, 5601.0, 5314.0, 5691.0, 5527.0, 5480.0, 5569.0, 5679.0, 5446.0, 5275.0, 5297.0, 5585.0, 5339.0, 5378.0, 5631.0, 5713.0, 5680.0, 5609.0, 5646.0, 5413.0, 5412.0, 5566.0, 5561.0, 5390.0, 5671.0, 5280.0, 5598.0, 5315.0, 5496.0, 5484.0, 5385.0, 5718.0, 5525.0, 5695.0, 5312.0, 5294.0, 5304.0, 5354.0, 5452.0, 5711.0, 5493.0, 5534.0, 5717.0, 5532.0, 5514.0, 5365.0 (number of hits: 2)
29	5260	9	1	333	1	5287.0, 5355.0, 5459.0, 5349.0, 5660.0, 5592.0, 5290.0, 5471.0, 5282.0, 5375.0, 5606.0, 5321.0, 5393.0, 5524.0, 5702.0, 5390.0, 5438.0, 5562.0, 5560.0, 5632.0, 5711.0, 5403.0, 5579.0, 5360.0, 5381.0, 5525.0, 5533.0, 5692.0, 5415.0, 5364.0,

						5343.0, 5449.0, 5610.0, 5417.0, 5437.0, 5621.0, 5615.0, 5652.0, 5353.0, 5612.0, 5649.0, 5698.0, 5554.0, 5506.0, 5534.0, 5410.0, 5508.0, 5518.0, 5288.0, 5352.0, 5719.0, 5347.0, 5292.0, 5370.0, 5553.0, 5561.0, 5479.0, 5401.0, 5472.0, 5639.0, 5529.0, 5721.0, 5385.0, 5685.0, 5722.0, 5295.0, 5308.0, 5336.0, 5654.0, 5436.0, 5494.0, 5367.0, 5404.0, 5467.0, 5575.0, 5715.0, 5306.0, 5616.0, 5344.0, 5252.0, 5335.0, 5693.0, 5307.0, 5280.0, 5486.0, 5699.0, 5368.0, 5528.0, 5667.0, 5464.0, 5356.0, 5576.0, 5598.0, 5414.0, 5680.0, 5446.0, 5300.0, 5452.0, 5622.0, 5541.0 (number of hits: 1)
30	5260	9	1	333	1	5514.0, 5533.0, 5453.0, 5331.0, 5489.0, 5717.0, 5294.0, 5673.0, 5372.0, 5677.0, 5475.0, 5699.0, 5396.0, 5665.0, 5320.0, 5687.0, 5689.0, 5528.0, 5420.0, 5613.0, 5487.0, 5577.0, 5256.0, 5606.0, 5392.0, 5429.0, 5469.0, 5346.0, 5597.0, 5423.0, 5560.0, 5292.0, 5707.0, 5608.0, 5488.0, 5463.0, 5713.0, 5377.0, 5567.0, 5343.0, 5655.0, 5684.0, 5380.0, 5269.0, 5401.0, 5270.0, 5476.0, 5526.0, 5351.0, 5712.0, 5649.0, 5386.0, 5258.0, 5339.0, 5605.0, 5397.0, 5464.0, 5299.0, 5465.0, 5510.0, 5493.0, 5414.0, 5421.0, 5311.0, 5692.0, 5520.0, 5284.0, 5667.0, 5426.0, 5259.0, 5596.0, 5602.0, 5590.0, 5575.0, 5698.0, 5316.0, 5700.0, 5349.0, 5412.0, 5638.0, 5591.0, 5266.0, 5443.0, 5586.0, 5352.0, 5662.0, 5385.0, 5467.0, 5537.0, 5456.0, 5271.0, 5502.0, 5499.0, 5618.0, 5670.0, 5534.0, 5445.0, 5353.0, 5252.0, 5574.0 (number of hits: 5)

5270 MHz, 40 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	93.3 %	60%	Pass
Type 2	30	70 %	60%	Pass
Type 3	30	100 %	60%	Pass
Type 4	30	93.3 %	60%	Pass
Aggregate (Type1 to 4)	120	89.2 %	80%	Pass
Type 5	30	86.7 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

Table-1A/1B Radar Type 1A/1B Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5251	68	1	778	1
2	5251	102	1	518	1
3	5251	67	1	798	1
4	5251	78	1	678	1
5	5251	58	1	918	1
6	5270	65	1	818	1
7	5270	95	1	558	1
8	5270	89	1	598	1
9	5270	76	1	698	1
10	5270	61	1	878	1
11	5289	63	1	838	1
12	5289	86	1	618	1
13	5289	72	1	738	1
14	5289	70	1	758	1
15	5289	62	1	858	1
16	5251	23	1	2303	1
17	5251	30	1	1777	1
18	5251	19	1	2900	1
19	5251	39	1	1384	1
20	5251	62	1	855	1
21	5270	30	1	1772	0
22	5270	35	1	1524	1
23	5270	23	1	2368	1
24	5270	18	1	3065	1
25	5270	25	1	2129	1
26	5289	29	1	1856	0
27	5289	18	1	2949	1
28	5289	27	1	1991	1
29	5289	27	1	1959	1
30	5289	62	1	862	1
Detection Percentage: 93.3 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5251	24	3.5	208	1
2	5251	29	3.2	205	1
3	5251	23	2.7	206	1
4	5251	24	2.9	196	1
5	5251	23	2.4	153	1
6	5251	27	1	152	1
7	5251	24	1.8	189	0
8	5251	23	1.7	187	1
9	5251	28	3.6	152	0
10	5251	23	2.9	168	1
11	5270	23	1	184	1
12	5270	23	1.7	191	1
13	5270	23	3.6	176	0
14	5270	27	1.2	228	1
15	5270	27	2.5	167	0
16	5270	29	2.4	210	0
17	5270	25	2	201	1
18	5270	28	1.6	195	1
19	5270	29	3.6	221	1
20	5270	27	2.5	227	1
21	5289	24	4.7	208	1
22	5289	24	3.6	219	0
23	5289	26	2.8	192	1
24	5289	26	2.8	218	1
25	5289	25	4	182	0
26	5289	25	5	215	0
27	5289	26	4.7	203	1
28	5289	25	1.6	225	1
29	5289	27	2.6	177	1
30	5289	24	3.5	216	0
Detection Percentage: 70 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5251	17	6.8	392	1
2	5251	16	7	288	1
3	5251	17	7	297	1
4	5251	18	7	468	1
5	5251	17	8.8	453	1
6	5251	17	6.3	248	1
7	5251	17	9.6	455	1
8	5251	17	7.2	358	1
9	5251	16	9.6	490	1
10	5251	16	6.6	347	1
11	5270	17	8.4	458	1
12	5270	18	9.6	386	1
13	5270	16	7.7	363	1
14	5270	18	6	495	1
15	5270	17	6.5	444	1
16	5270	18	9.1	393	1
17	5270	17	9.2	213	1
18	5270	18	7.8	316	1
19	5270	17	7.2	434	1
20	5270	17	9.7	209	1
21	5289	16	8.2	360	1
22	5289	16	7.4	304	1
23	5289	17	9.2	440	1
24	5289	17	7.3	471	1
25	5289	17	8.5	470	1
26	5289	16	9.1	494	1
27	5289	16	9.2	292	1
28	5289	16	7.8	245	1
29	5289	16	7.5	480	1
30	5289	18	9.8	448	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5251	12	17.3	205	1
2	5251	15	17.2	450	1
3	5251	12	11.6	383	1
4	5251	15	11.4	375	0
5	5251	16	11.9	229	1
6	5251	12	13	499	1
7	5251	14	18	405	1
8	5251	14	15.6	373	1
9	5251	13	14.6	246	1
10	5251	14	15.9	468	1
11	5270	14	15.4	340	1
12	5270	15	19.2	327	1
13	5270	13	20	478	1
14	5270	16	20	426	0
15	5270	13	16.1	340	1
16	5270	12	14.9	381	1
17	5270	12	13.5	222	1
18	5270	15	13.8	204	1
19	5270	13	17.1	407	1
20	5270	14	18.9	434	1
21	5289	12	18.9	452	1
22	5289	15	17.3	276	1
23	5289	14	11.9	426	1
24	5289	14	18.4	218	1
25	5289	16	11.5	273	1
26	5289	15	12.1	355	1
27	5289	14	16.5	316	1
28	5289	14	11.4	442	1
29	5289	12	18.1	204	1
30	5289	15	12.1	313	1
Detection Percentage: 93.3 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5270	1
2	5270	1
3	5270	0
4	5270	1
5	5270	1
6	5270	0
7	5270	1
8	5270	1
9	5270	1
10	5270	1
11	5258.4	1
12	5260.0	1
13	5256.8	1
14	5258.0	1
15	5259.6	1
16	5257.2	1
17	5259.6	1
18	5258.8	1
19	5256.4	1
20	5254.0	1
21	5285.2	1
22	5284.0	1
23	5285.2	0
24	5282.4	1
25	5280.4	1
26	5282.4	1
27	5281.2	1
28	5282.0	1
29	5282.8	1
30	5283.2	0
Detection Percentage: 86.7 % (>80%)		

Bin5 Statistics 1

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	5	92.6	1489	1614	0.777623	1
1	2	5	88.9	1755		1.669464	
2	2	5	79	1486		2.263666	
3	2	5	75.5	1949		3.147061	
4	3	5	94.5	1151	1826	4.247291	
5	2	5	54.3	1024		5.152918	
6	1	5	64.2			6.279471	
7	1	5	53.4			6.643344	
8	1	5	55.7			8.262055	
9	2	5	86.9	1277		8.873193	
10	2	5	82.7	1787		9.84742	
11	3	5	81.2	1358	1277	10.210967	
12	2	5	88.1	1897		11.3648	

Bin5 Statistics 2

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	87.4	1388	1770	0.962253	1
1	2	9	72	1152		1.551481	
2	1	9	80.6			3.186539	
3	1	9	55.6			3.996345	
4	2	9	86	1718		4.778761	
5	2	9	53.2	1868		6.136762	
6	1	9	84.5			6.567706	
7	2	9	84.3	1103		8.559658	
8	3	9	97.5	1413	1779	9.502984	
9	2	9	92.2	1980		10.059851	
10	2	9	88	1756		11.285849	

Bin5 Statistics 3

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	86.5			0.945412	0
1	3	14	57.7	1990	1873	1.438428	
2	1	14	59.8			2.233038	
3	2	14	77.6	1380		3.594041	
4	2	14	62.4	1808		4.718543	
5	3	14	79.9	1276	1283	5.372175	
6	2	14	87	1751		6.16044	
7	1	14	93.5			7.549753	
8	2	14	68.4	1942		8.76521	
9	2	14	74.4	1022		9.983859	
10	3	14	92.9	1496	1329	10.516208	
11	2	14	65.1	1034		11.927992	

Bin5 Statistics 4

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	98.2			0.575666	1
1	3	9	73	1999	1034	0.762084	
2	2	9	57.3	1698		1.438127	
3	2	9	89.9	1603		2.546807	
4	3	9	75.2	1412	1148	3.075337	
5	1	9	89.1			3.648239	
6	3	9	61.9	1076	1012	4.107839	
7	2	9	80.8	1733		5.149862	
8	3	9	87.2	1018	1750	5.635941	
9	3	9	89.7	1874	1752	6.142718	
10	2	9	85.1	1561		7.079657	
11	1	9	98.9			7.660823	
12	1	9	82.8			8.483635	
13	2	9	67.5	1476		9.004186	
14	2	9	52.9	1677		9.484061	
15	3	9	58.7	1924	1869	10.592157	
16	2	9	92.5	1829		11.256825	
17	3	9	69.9	1787	1042	11.614739	

Bin5 Statistics 5

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	81.2	1023	1281	0.569802	1
1	3	6	53.8	1805	1108	0.871641	
2	2	6	61.1	1723		1.660792	
3	1	6	82.6			2.110649	
4	2	6	80.9	1637		2.945237	
5	2	6	84.4	1790		3.791862	
6	2	6	59.7	1334		4.349525	
7	2	6	81.7	1809		4.943416	
8	2	6	61.4	1993		5.724761	
9	2	6	76.3	1036		6.446614	
10	2	6	59.8	1959		7.026012	
11	1	6	89.9			7.358162	
12	3	6	52.1	1013	1470	8.133758	
13	3	6	79.5	1155	1603	9.111584	
14	2	6	75.8	1571		9.623815	
15	2	6	76.7	1896		10.566935	
16	1	6	64.4			10.706504	
17	2	6	84.2	1320		11.621943	

Bin5 Statistics 6

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	71.5	1602		1.133684	0
1	1	7	52.1			1.930779	
2	2	7	58	1220		3.001941	
3	2	7	87.9	1125		4.054774	
4	1	7	50.6			5.274929	
5	1	7	93.8			6.360081	
6	2	7	80.5	1124		7.251993	
7	3	7	72.7	1807	1578	9.516918	
8	1	7	91.1			10.341488	
9	3	7	77	1901	1400	11.967956	

Bin5 Statistics 7

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	52.3	1440		0.552416	1
1	1	9	92.3			1.381547	
2	2	9	63.9	1624		2.70706	
3	3	9	50.4	1239	1407	4.038463	
4	2	9	88.6	1204		6.211326	
5	3	9	87.7	1302	1491	7.226461	
6	3	9	95.9	1214	1052	8.295601	
7	2	9	56.9	1647		10.571204	
8	1	9	72.2			11.886595	

Bin5 Statistics 8

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	99.7			0.564939	1
1	3	10	82.2	1128	1790	0.864794	
2	1	10	95.9			1.876647	
3	1	10	57.6			3.266537	
4	3	10	100	1792	1356	4.012004	
5	3	10	84.2	1818	1359	4.545626	
6	2	10	58.1	1677		5.386956	
7	3	10	57.8	1987	1167	6.492957	
8	1	10	60.9			7.013171	
9	1	10	69.9			8.451865	
10	1	10	85.9			9.273162	
11	2	10	90.7	1013		9.457354	
12	2	10	61.9	1265		10.615394	
13	3	10	53.7	1155	1620	11.660818	

Bin5 Statistics 9

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	74.2	1258		0.114267	1
1	2	15	54.8	1412		1.071715	
2	1	15	59.8			2.366535	
3	1	15	73.1			3.160312	
4	2	15	83.9	1184		3.531823	
5	2	15	78.2	1900		4.496614	
6	1	15	73.5			5.776758	
7	2	15	84	1305		6.577182	
8	2	15	50.3	1374		7.451622	
9	1	15	77.1			8.187667	
10	2	15	94.6	1847		9.343747	
11	1	15	92.9			9.923204	
12	1	15	95			10.549786	
13	1	15	97.3			11.593891	

Bin5 Statistics 10

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	69.1	1741		0.409856	1
1	2	8	88.6	1481		1.838895	
2	2	8	57.8	1778		2.614493	
3	2	8	68.6	1084		3.071183	
4	3	8	86.1	1495	1831	4.401226	
5	2	8	76	1511		4.922791	
6	3	8	73.9	1957	1735	6.298494	
7	1	8	53.6			6.859373	
8	1	8	89.7			7.756409	
9	3	8	79.4	1304	1465	8.500071	
10	3	8	54.2	1373	1931	10.011254	
11	2	8	92	1373		10.208218	
12	1	8	51.6			11.173959	

Bin5 Statistics 11

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	98.6			0.367862	1
1	1	16	70.2			1.258536	
2	3	16	60.4	1448	1070	3.236135	
3	1	16	64.7			3.698145	
4	2	16	72.6	1958		5.009115	
5	3	16	77.4	1961	1483	6.682098	
6	1	16	81.7			7.693424	
7	3	16	52.8	1287	1976	8.77467	
8	3	16	51.6	1158	1877	10.096125	
9	1	16	79.3			11.329012	

Bin5 Statistics 12

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	95.8	1541		0.014144	1
1	1	20	72.8			1.344221	
2	2	20	62.8	1474		2.239883	
3	2	20	67	1800		3.508917	
4	2	20	74.4	1528		4.127183	
5	3	20	54.9	1860	1969	5.146952	
6	3	20	65.4	1223	1598	6.3944	
7	3	20	82.1	1135	1838	6.835937	
8	1	20	96.6			8.202863	
9	3	20	60.5	1101	1805	8.397854	
10	2	20	59.1	1446		10.076951	
11	2	20	92.6	1110		10.935231	
12	2	20	79.2	1590		11.330728	

Bin5 Statistics 13

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	70.8			1.039208	1
1	2	12	72.2	1754		1.561976	
2	1	12	87.7			3.038506	
3	2	12	51.9	1830		3.367389	
4	1	12	64.7			4.636479	
5	1	12	82.6			6.497205	
6	3	12	73.5	1405	1882	7.334383	
7	3	12	92.5	1278	1111	8.657693	
8	2	12	98.1	1884		9.395139	
9	2	12	74.3	1207		10.254828	
10	2	12	96.7	1678		11.550116	

Bin5 Statistics 14

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	55.9	1880		0.038463	1
1	1	15	79			0.945943	
2	2	15	72.4	1905		1.81718	
3	3	15	55.7	1231	1549	2.245294	
4	1	15	59.2			3.422017	
5	1	15	71.9			3.912598	
6	1	15	62.5			4.835578	
7	3	15	94.5	1370	1879	5.036665	
8	2	15	91.7	1875		6.113673	
9	3	15	57.7	1107	1829	6.360372	
10	2	15	97	1920		7.652123	
11	2	15	97.6	1773		7.937748	
12	3	15	56.5	1664	1468	8.757842	
13	1	15	51.1			9.670546	
14	2	15	50.4	1985		10.449481	
15	2	15	95	1853		10.870819	
16	2	15	71.6	1304		11.534429	

Bin5 Statistics 15

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	94.6			0.659771	1
1	1	19	70.3			0.963795	
2	3	19	52	1015	1560	1.861809	
3	2	19	96.8	1700		2.418687	
4	1	19	70			3.109033	
5	2	19	74.9	1604		4.130172	
6	1	19	70.9			4.634658	
7	2	19	95.6	1716		5.874318	
8	1	19	97.5			6.485611	
9	2	19	75.4	1249		7.02049	
10	1	19	94.5			7.908083	
11	3	19	61.4	1039	1145	8.825943	
12	3	19	66.9	1083	1931	9.72519	
13	3	19	50.5	1973	1994	10.358478	
14	3	19	66.5	1886	1476	11.189336	
15	3	19	51.3	1799	1755	11.530453	

Bin5 Statistics 16

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	68.8	1989		0.537155	1
1	2	13	51.5	1028		1.648645	
2	2	13	76.4	1135		2.745117	
3	2	13	77.2	1434		3.387121	
4	3	13	62.4	1897	1759	4.034074	
5	2	13	64.5	1187		5.298158	
6	2	13	84.3	1892		6.990065	
7	2	13	52.7	1662		7.863142	
8	1	13	70.6			8.782678	
9	2	13	90.4	1533		9.045919	
10	1	13	91.1			10.504532	
11	2	13	66.1	1719		11.020842	

Bin5 Statistics 17

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	93.7	1036		0.3009	1
1	2	19	66.9	1054		0.7735	
2	2	19	80.7	1078		1.636924	
3	2	19	97.9	1089		2.101553	
4	3	19	82.9	1914	1458	2.74165	
5	2	19	77.8	1193		3.807384	
6	1	19	62.3			4.294366	
7	2	19	85.5	1972		5.193346	
8	2	19	82	1940		5.992175	
9	3	19	54.6	1736	1672	6.635351	
10	2	19	77.1	1227		6.674199	
11	1	19	88.2			7.514761	
12	1	19	64			8.333743	
13	2	19	99.1	1186		9.15396	
14	3	19	90	1241	1551	9.662226	
15	2	19	62.7	1165		10.413805	
16	3	19	71.8	1638	1544	11.236283	
17	2	19	76.4	1537		11.450714	

Bin5 Statistics 18

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	54.8	1367		0.181499	1
1	3	17	89.6	1306	1149	0.895044	
2	2	17	86.9	1251		1.388266	
3	2	17	65.3	1130		2.024007	
4	3	17	69.2	1429	1802	3.067387	
5	3	17	74	1601	1929	3.499026	
6	2	17	66.9	1562		4.371942	
7	1	17	80.2			4.977116	
8	2	17	86.4	1438		5.509746	
9	1	17	57.6			6.151513	
10	3	17	62.2	1814	1697	6.71012	
11	2	17	69.7	1018		7.518277	
12	1	17	69.2			8.082483	
13	2	17	70.5	1432		8.801141	
14	3	17	86.2	1900	1777	9.436052	
15	2	17	69.1	1206		10.371525	
16	3	17	54.6	1087	1625	10.696522	
17	2	17	55.8	1895		11.619836	

Bin5 Statistics 19

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	1739		0.162836	1
1	2	11	69.3	1535		1.241005	
2	3	11	50.9	1535	1085	1.624716	
3	1	11	70.7			2.633354	
4	1	11	86.6			3.679464	
5	3	11	65	1911	1658	3.819586	
6	2	11	80.6	1247		5.096954	
7	3	11	59.7	1429	1618	5.579191	
8	2	11	79.6	1928		6.21308	
9	2	11	79.4	1808		7.330115	
10	2	11	86.1	1418		7.702941	
11	1	11	88.2			8.72662	
12	2	11	72.5	1440		9.640318	
13	2	11	78.3	1082		9.870237	
14	2	11	72.1	1130		10.538087	
15	1	11	52.9			11.432527	

Bin5 Statistics 20

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	5	82.1	1469	1635	0.057567	1
1	1	5	51.6			1.581066	
2	2	5	76.8	1290		1.870377	
3	2	5	99.1	1114		3.474762	
4	1	5	87.7			4.332627	
5	2	5	69.1	1704		4.708409	
6	2	5	91.6	1039		6.443495	
7	2	5	70.6	1687		6.471166	
8	3	5	86.7	1524	1779	7.722606	
9	3	5	78.4	1967	1885	8.943874	
10	2	5	78.2	1128		9.698736	
11	2	5	77.6	1818		10.693929	
12	2	5	95.4	1684		11.770259	

Bin5 Statistics 21

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	81.1			0.409521	1
1	2	7	69.9	1581		0.920505	
2	3	7	71.4	1246	1285	1.545872	
3	2	7	68.2	1590		2.284445	
4	2	7	96.8	1379		3.266397	
5	2	7	66.2	1544		3.816658	
6	2	7	89.2	1403		4.723539	
7	1	7	64.4			5.964186	
8	1	7	52.9			6.36937	
9	2	7	86.8	1501		7.379851	
10	3	7	87.3	1803	1524	7.869195	
11	2	7	61.6	1653		8.802549	
12	2	7	62.3	1115		9.033078	
13	1	7	99.9			10.282697	
14	2	7	84.8	1340		10.715883	
15	1	7	52			11.654361	

Bin5 Statistics 22

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	86.1	1995	1868	0.640006	1
1	3	10	75.9	1474	1936	0.805419	
2	1	10	78.8			1.900644	
3	3	10	90.6	1549	1780	2.341749	
4	2	10	98.8	1957		3.033897	
5	2	10	73.4	1298		4.028087	
6	2	10	73.3	1541		5.03528	
7	3	10	50.7	1106	1555	5.744208	
8	1	10	68.7			6.135614	
9	3	10	61.7	1520	1580	7.027218	
10	2	10	65.3	1206		8.114902	
11	2	10	66	1579		8.892958	
12	2	10	65	1194		9.613582	
13	1	10	75.5			10.088345	
14	1	10	87.2			10.958898	
15	2	10	88	1604		11.630321	

Bin5 Statistics 23

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	61.1			1.235979	0
1	2	7	75.7	1196		1.573337	
2	2	7	53.4	1790		2.851215	
3	3	7	76.4	1801	1042	4.254699	
4	2	7	88.4	1496		5.343857	
5	2	7	51.6	1698		7.230183	
6	3	7	60.3	1085	1931	8.878469	
7	3	7	87.7	1513	1592	10.607676	
8	1	7	89.7			11.854821	

Bin5 Statistics 24

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	95.8	1679		0.305561	1
1	1	14	83.6			1.36665	
2	2	14	97.7	1727		2.121705	
3	1	14	87.8			2.389907	
4	2	14	98.6	1228		3.263963	
5	1	14	99.4			3.799876	
6	2	14	54.8	1157		4.804482	
7	2	14	88.2	1372		5.605788	
8	1	14	64.3			6.10011	
9	1	14	83.3			7.48954	
10	1	14	75.5			7.817504	
11	2	14	71.4	1641		8.343796	
12	3	14	97.6	1369	1764	9.400539	
13	1	14	73.4			9.768658	
14	3	14	54.3	1459	1576	10.896417	
15	1	14	85.1			11.467202	

Bin5 Statistics 25

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	96.4	1493		0.026228	1
1	2	19	67.8	1611		0.634289	
2	2	19	55.3	1865		1.465196	
3	3	19	79.4	1672	1261	2.077534	
4	2	19	63.9	1107		2.629157	
5	2	19	72.3	1417		3.49507	
6	1	19	59.4			4.09008	
7	2	19	66.6	1738		5.046022	
8	2	19	90.4	1212		5.587861	
9	2	19	52	1092		6.210001	
10	1	19	94			6.628988	
11	2	19	62.7	1757		7.562912	
12	2	19	63.7	1633		7.654905	
13	2	19	64.3	1890		8.706798	
14	2	19	68.8	1680		8.962434	
15	2	19	89.2	1981		9.690024	
16	2	19	97.1	1411		10.571123	
17	3	19	59.8	1291	1347	11.285924	
18	3	19	69	1945	1160	11.991777	

Bin5 Statistics 26

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	92.5			0.326082	1
1	3	14	63.2	1915	1361	1.20155	
2	2	14	93.9	1114		1.981655	
3	3	14	64.7	1737	1284	2.720216	
4	2	14	95.2	1069		3.046064	
5	3	14	81	1820	1556	3.740021	
6	3	14	86.7	1666	1571	4.724482	
7	3	14	86.3	1167	1336	5.068893	
8	2	14	61.4	1730		6.264924	
9	3	14	56.7	1994	1677	6.839574	
10	1	14	92			7.408221	
11	2	14	74	1748		8.347393	
12	1	14	64.6			8.623111	
13	3	14	85.4	1781	1062	9.644769	
14	3	14	87.2	1552	1233	10.510947	
15	1	14	85			11.166531	
16	3	14	78.9	1075	1455	11.518334	

Bin5 Statistics 27

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	68.5	1834	1116	0.490948	1
1	2	17	85.6	1849		1.446505	
2	1	17	94.3			2.449924	
3	2	17	59.3	1192		3.336241	
4	2	17	76.6	1090		4.47045	
5	2	17	90.6	1217		5.808217	
6	3	17	95.3	1711	1458	6.158205	
7	1	17	95.2			7.090238	
8	2	17	69.1	1428		8.316258	
9	2	17	86.2	1114		9.812483	
10	2	17	74.6	1808		10.884454	
11	3	17	57.1	1289	1861	11.686071	

Bin5 Statistics 28

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	64.5	1881		0.374711	1
1	2	15	94.6	1268		1.217572	
2	2	15	85.9	1292		1.690778	
3	1	15	93.6			2.314433	
4	3	15	58.8	1603	1678	2.529214	
5	1	15	61.2			3.308171	
6	2	15	57.4	1753		4.33898	
7	2	15	59.3	1171		4.91324	
8	1	15	93.6			5.333015	
9	2	15	81.8	1718		6.00176	
10	2	15	94.1	1229		6.912107	
11	2	15	53.6	1092		7.509226	
12	3	15	92.9	1912	1426	7.890354	
13	2	15	62.5	1001		8.716106	
14	2	15	95.8	1868		9.214706	
15	1	15	92			10.098046	
16	3	15	51.3	1441	1822	10.448421	
17	2	15	99.3	1014		11.069231	
18	2	15	63	1433		11.542622	

Bin5 Statistics 29

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	93.2	1578		0.011337	1
1	1	13	86			1.053423	
2	2	13	60.8	1506		1.453419	
3	2	13	70.8	1724		2.138012	
4	2	13	55.8	1281		2.87721	
5	3	13	63.7	1154	1631	3.986712	
6	2	13	57.1	1109		4.78582	
7	1	13	62.1			5.337017	
8	1	13	90.3			6.216183	
9	2	13	52.2	1575		6.949603	
10	2	13	81.7	1997		7.062282	
11	3	13	54.7	1772	1911	8.318027	
12	1	13	54.9			8.990999	
13	1	13	71.9			9.446731	
14	2	13	84.5	1294		10.367685	
15	2	13	65.1	1781		11.092933	
16	1	13	97.3			11.332949	

Bin5 Statistics 30

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	98.1	1665		0.322468	0
1	3	12	65.7	1801	1371	1.676314	
2	3	12	74	1488	1517	2.912901	
3	3	12	88.2	1943	1763	4.233303	
4	1	12	96.4			5.407318	
5	2	12	50.3	1501		5.744524	
6	3	12	53.3	1004	1069	6.805941	
7	2	12	86.9	1424		7.716513	
8	2	12	66.8	1051		9.812977	
9	3	12	53.5	1943	1934	10.432381	
10	2	12	63.7	1933		11.672105	

Table-6 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	5306.0, 5612.0, 5526.0, 5399.0, 5429.0, 5352.0, 5680.0, 5553.0, 5391.0, 5297.0, 5647.0, 5720.0, 5559.0, 5486.0, 5315.0, 5692.0, 5473.0, 5576.0, 5351.0, 5369.0, 5527.0, 5492.0, 5663.0, 5713.0, 5422.0, 5260.0, 5655.0, 5688.0, 5401.0, 5321.0, 5420.0, 5436.0, 5605.0, 5509.0, 5634.0, 5372.0, 5395.0, 5278.0, 5662.0, 5338.0, 5340.0, 5254.0, 5666.0, 5316.0, 5296.0, 5565.0, 5270.0, 5359.0, 5378.0, 5620.0, 5335.0, 5619.0, 5361.0, 5660.0, 5494.0, 5276.0, 5324.0, 5668.0, 5497.0, 5584.0, 5649.0, 5417.0, 5310.0, 5478.0, 5375.0, 5449.0, 5410.0, 5561.0, 5522.0, 5314.0, 5636.0, 5519.0, 5269.0, 5671.0, 5679.0, 5358.0, 5447.0, 5635.0, 5256.0, 5544.0, 5426.0, 5263.0, 5421.0, 5345.0, 5598.0, 5279.0, 5521.0, 5286.0, 5610.0, 5642.0, 5537.0, 5674.0, 5427.0, 5295.0, 5678.0, 5550.0, 5419.0, 5292.0, 5590.0, 5373.0 (number of hits: 10)
2	5270	9	1	333	1	5621.0, 5419.0, 5590.0, 5501.0, 5446.0, 5385.0, 5682.0, 5430.0, 5354.0, 5262.0, 5292.0, 5279.0, 5653.0, 5520.0, 5343.0, 5648.0, 5475.0, 5567.0, 5478.0, 5626.0, 5639.0, 5304.0, 5321.0, 5440.0, 5305.0, 5271.0, 5613.0, 5522.0, 5712.0, 5267.0, 5468.0, 5691.0, 5722.0, 5548.0, 5310.0, 5450.0, 5608.0, 5595.0, 5367.0, 5542.0, 5573.0, 5555.0, 5275.0, 5347.0, 5721.0, 5603.0, 5357.0, 5285.0, 5306.0, 5308.0, 5529.0, 5268.0, 5301.0, 5511.0, 5650.0, 5477.0, 5667.0, 5298.0, 5582.0, 5335.0, 5484.0, 5647.0, 5676.0, 5574.0, 5402.0, 5683.0, 5458.0, 5518.0, 5699.0, 5399.0, 5437.0, 5365.0, 5361.0, 5602.0, 5539.0, 5421.0, 5527.0, 5698.0, 5449.0, 5360.0, 5270.0, 5397.0, 5649.0, 5618.0, 5395.0, 5585.0, 5459.0, 5394.0, 5558.0, 5452.0, 5704.0, 5688.0, 5288.0, 5538.0, 5264.0, 5254.0, 5283.0, 5617.0, 5665.0, 5517.0 (number of hits: 11)
3	5270	9	1	333	1	5715.0, 5535.0, 5418.0, 5270.0, 5430.0, 5594.0, 5531.0, 5496.0, 5529.0, 5484.0, 5685.0, 5298.0, 5509.0, 5502.0, 5569.0, 5253.0, 5632.0, 5655.0, 5704.0, 5555.0, 5557.0, 5301.0, 5370.0, 5662.0, 5267.0, 5530.0, 5286.0, 5688.0, 5595.0, 5285.0, 5283.0, 5633.0, 5504.0, 5640.0, 5576.0, 5451.0, 5410.0, 5397.0, 5586.0, 5614.0, 5321.0, 5318.0, 5611.0, 5330.0, 5645.0, 5431.0, 5564.0, 5630.0, 5448.0, 5342.0, 5317.0, 5381.0, 5644.0, 5327.0, 5347.0, 5652.0, 5612.0, 5616.0, 5547.0, 5377.0, 5387.0, 5322.0, 5707.0, 5708.0, 5364.0,

						5527.0, 5462.0, 5371.0, 5351.0, 5345.0, 5472.0, 5355.0, 5373.0, 5667.0, 5671.0, 5421.0, 5349.0, 5392.0, 5338.0, 5362.0, 5481.0, 5570.0, 5326.0, 5269.0, 5379.0, 5276.0, 5501.0, 5474.0, 5389.0, 5666.0, 5375.0, 5709.0, 5703.0, 5533.0, 5420.0, 5471.0, 5384.0, 5399.0, 5548.0, 5408.0 (number of hits: 8)
4	5270	9	1	333	1	5667.0, 5342.0, 5291.0, 5669.0, 5265.0, 5422.0, 5451.0, 5708.0, 5675.0, 5579.0, 5295.0, 5589.0, 5566.0, 5575.0, 5345.0, 5482.0, 5546.0, 5420.0, 5354.0, 5584.0, 5251.0, 5523.0, 5538.0, 5416.0, 5709.0, 5255.0, 5606.0, 5329.0, 5304.0, 5388.0, 5455.0, 5530.0, 5352.0, 5389.0, 5681.0, 5493.0, 5635.0, 5343.0, 5489.0, 5542.0, 5660.0, 5365.0, 5459.0, 5721.0, 5699.0, 5592.0, 5371.0, 5545.0, 5340.0, 5277.0, 5322.0, 5413.0, 5654.0, 5487.0, 5480.0, 5473.0, 5394.0, 5438.0, 5544.0, 5314.0, 5492.0, 5603.0, 5486.0, 5697.0, 5713.0, 5512.0, 5685.0, 5613.0, 5467.0, 5522.0, 5705.0, 5279.0, 5590.0, 5552.0, 5605.0, 5333.0, 5468.0, 5581.0, 5299.0, 5723.0, 5475.0, 5615.0, 5328.0, 5317.0, 5384.0, 5539.0, 5618.0, 5573.0, 5477.0, 5431.0, 5373.0, 5638.0, 5687.0, 5684.0, 5608.0, 5642.0, 5682.0, 5478.0, 5257.0, 5269.0 (number of hits: 6)
5	5270	9	1	333	1	5296.0, 5538.0, 5603.0, 5322.0, 5503.0, 5462.0, 5348.0, 5325.0, 5413.0, 5585.0, 5467.0, 5645.0, 5439.0, 5634.0, 5569.0, 5534.0, 5614.0, 5703.0, 5256.0, 5394.0, 5481.0, 5546.0, 5487.0, 5723.0, 5678.0, 5674.0, 5697.0, 5556.0, 5276.0, 5626.0, 5680.0, 5265.0, 5497.0, 5711.0, 5369.0, 5382.0, 5285.0, 5323.0, 5647.0, 5271.0, 5492.0, 5548.0, 5643.0, 5340.0, 5521.0, 5389.0, 5373.0, 5575.0, 5593.0, 5405.0, 5682.0, 5715.0, 5542.0, 5438.0, 5565.0, 5700.0, 5266.0, 5648.0, 5708.0, 5530.0, 5451.0, 5446.0, 5268.0, 5513.0, 5440.0, 5466.0, 5399.0, 5311.0, 5303.0, 5581.0, 5365.0, 5357.0, 5512.0, 5380.0, 5498.0, 5398.0, 5381.0, 5275.0, 5683.0, 5318.0, 5587.0, 5423.0, 5384.0, 5465.0, 5520.0, 5622.0, 5499.0, 5619.0, 5698.0, 5334.0, 5592.0, 5478.0, 5659.0, 5288.0, 5618.0, 5464.0, 5280.0, 5294.0, 5331.0, 5290.0 (number of hits: 9)
6	5270	9	1	333	1	5343.0, 5350.0, 5701.0, 5353.0, 5370.0, 5682.0, 5560.0, 5363.0, 5513.0, 5520.0, 5316.0, 5537.0, 5553.0, 5721.0, 5352.0, 5336.0, 5304.0, 5259.0, 5596.0, 5576.0, 5308.0, 5302.0, 5398.0, 5284.0, 5496.0, 5477.0, 5686.0, 5436.0, 5712.0, 5331.0, 5285.0, 5252.0, 5263.0, 5711.0, 5689.0, 5364.0, 5502.0, 5540.0, 5288.0, 5473.0, 5327.0, 5491.0, 5431.0, 5548.0, 5595.0, 5434.0, 5442.0, 5616.0, 5306.0, 5585.0

						5383.0, 5265.0, 5696.0, 5558.0, 5418.0, 5423.0, 5573.0, 5508.0, 5532.0, 5334.0, 5326.0, 5445.0, 5673.0, 5402.0, 5460.0, 5599.0, 5317.0, 5314.0, 5630.0, 5501.0, 5538.0, 5534.0, 5385.0, 5555.0, 5690.0, 5365.0, 5655.0, 5503.0, 5662.0, 5643.0, 5401.0, 5319.0, 5633.0, 5644.0, 5533.0, 5687.0, 5443.0, 5675.0, 5562.0, 5465.0, 5645.0, 5404.0, 5360.0, 5621.0, 5646.0, 5399.0, 5476.0, 5444.0, 5493.0, 5510.0 (number of hits: 6)
7	5270	9	1	333	1	5384.0, 5655.0, 5386.0, 5387.0, 5406.0, 5319.0, 5266.0, 5267.0, 5699.0, 5678.0, 5253.0, 5663.0, 5323.0, 5654.0, 5276.0, 5605.0, 5289.0, 5693.0, 5713.0, 5555.0, 5258.0, 5454.0, 5399.0, 5433.0, 5456.0, 5297.0, 5596.0, 5492.0, 5529.0, 5711.0, 5556.0, 5697.0, 5368.0, 5377.0, 5437.0, 5646.0, 5364.0, 5275.0, 5369.0, 5566.0, 5652.0, 5531.0, 5292.0, 5414.0, 5526.0, 5627.0, 5689.0, 5313.0, 5328.0, 5494.0, 5287.0, 5259.0, 5473.0, 5637.0, 5327.0, 5564.0, 5522.0, 5604.0, 5681.0, 5565.0, 5442.0, 5486.0, 5415.0, 5481.0, 5365.0, 5376.0, 5277.0, 5375.0, 5607.0, 5550.0, 5569.0, 5407.0, 5641.0, 5534.0, 5317.0, 5476.0, 5362.0, 5690.0, 5640.0, 5371.0, 5370.0, 5382.0, 5554.0, 5514.0, 5286.0, 5294.0, 5511.0, 5390.0, 5325.0, 5667.0, 5579.0, 5612.0, 5653.0, 5557.0, 5470.0, 5724.0, 5457.0, 5389.0, 5354.0, 5484.0 (number of hits: 10)
8	5270	9	1	333	1	5328.0, 5580.0, 5586.0, 5564.0, 5723.0, 5283.0, 5550.0, 5392.0, 5599.0, 5268.0, 5458.0, 5353.0, 5414.0, 5658.0, 5383.0, 5615.0, 5285.0, 5664.0, 5396.0, 5442.0, 5330.0, 5500.0, 5685.0, 5706.0, 5707.0, 5418.0, 5426.0, 5301.0, 5699.0, 5391.0, 5445.0, 5653.0, 5312.0, 5704.0, 5607.0, 5252.0, 5696.0, 5591.0, 5612.0, 5450.0, 5553.0, 5456.0, 5543.0, 5655.0, 5378.0, 5533.0, 5324.0, 5475.0, 5516.0, 5518.0, 5413.0, 5608.0, 5562.0, 5520.0, 5433.0, 5540.0, 5700.0, 5546.0, 5674.0, 5479.0, 5579.0, 5362.0, 5625.0, 5556.0, 5652.0, 5468.0, 5266.0, 5571.0, 5331.0, 5681.0, 5461.0, 5376.0, 5460.0, 5332.0, 5710.0, 5311.0, 5326.0, 5485.0, 5636.0, 5466.0, 5544.0, 5477.0, 5365.0, 5714.0, 5409.0, 5364.0, 5563.0, 5719.0, 5358.0, 5560.0, 5634.0, 5453.0, 5663.0, 5289.0, 5496.0, 5294.0, 5337.0, 5356.0, 5548.0, 5267.0 (number of hits: 6)
9	5270	9	1	333	1	5440.0, 5646.0, 5539.0, 5710.0, 5314.0, 5316.0, 5321.0, 5480.0, 5267.0, 5609.0, 5696.0, 5329.0, 5396.0, 5434.0, 5441.0, 5537.0, 5715.0, 5322.0, 5665.0, 5388.0, 5484.0, 5258.0, 5724.0, 5338.0, 5649.0, 5432.0, 5581.0, 5404.0, 5476.0, 5529.0, 5718.0, 5492.0, 5686.0, 5297.0, 5372.0,

						5362.0, 5599.0, 5512.0, 5703.0, 5368.0, 5397.0, 5324.0, 5455.0, 5423.0, 5465.0, 5420.0, 5534.0, 5403.0, 5619.0, 5371.0, 5588.0, 5330.0, 5615.0, 5269.0, 5428.0, 5280.0, 5659.0, 5558.0, 5501.0, 5709.0, 5301.0, 5358.0, 5697.0, 5503.0, 5516.0, 5508.0, 5613.0, 5622.0, 5479.0, 5430.0, 5654.0, 5707.0, 5552.0, 5487.0, 5462.0, 5293.0, 5446.0, 5606.0, 5693.0, 5566.0, 5589.0, 5544.0, 5453.0, 5337.0, 5353.0, 5705.0, 5252.0, 5562.0, 5657.0, 5489.0, 5668.0, 5454.0, 5290.0, 5429.0, 5530.0, 5442.0, 5542.0, 5266.0, 5605.0, 5625.0 (number of hits: 6)
10	5270	9	1	333	1	5562.0, 5474.0, 5669.0, 5673.0, 5432.0, 5679.0, 5522.0, 5507.0, 5639.0, 5385.0, 5554.0, 5502.0, 5717.0, 5647.0, 5354.0, 5275.0, 5587.0, 5650.0, 5635.0, 5283.0, 5536.0, 5433.0, 5439.0, 5526.0, 5300.0, 5443.0, 5707.0, 5402.0, 5301.0, 5413.0, 5436.0, 5357.0, 5616.0, 5546.0, 5547.0, 5425.0, 5658.0, 5339.0, 5519.0, 5601.0, 5323.0, 5553.0, 5528.0, 5422.0, 5714.0, 5260.0, 5392.0, 5299.0, 5482.0, 5672.0, 5314.0, 5688.0, 5455.0, 5676.0, 5261.0, 5448.0, 5310.0, 5351.0, 5683.0, 5485.0, 5706.0, 5471.0, 5407.0, 5581.0, 5254.0, 5557.0, 5466.0, 5621.0, 5398.0, 5394.0, 5467.0, 5719.0, 5285.0, 5435.0, 5511.0, 5495.0, 5634.0, 5414.0, 5530.0, 5659.0, 5393.0, 5430.0, 5444.0, 5518.0, 5597.0, 5349.0, 5684.0, 5715.0, 5372.0, 5610.0, 5272.0, 5529.0, 5355.0, 5605.0, 5644.0, 5389.0, 5555.0, 5586.0, 5280.0, 5297.0 (number of hits: 8)
11	5270	9	1	333	1	5489.0, 5499.0, 5544.0, 5396.0, 5311.0, 5479.0, 5503.0, 5488.0, 5313.0, 5564.0, 5680.0, 5508.0, 5347.0, 5510.0, 5681.0, 5596.0, 5638.0, 5724.0, 5374.0, 5659.0, 5720.0, 5407.0, 5682.0, 5323.0, 5520.0, 5723.0, 5267.0, 5525.0, 5651.0, 5668.0, 5714.0, 5438.0, 5399.0, 5595.0, 5364.0, 5430.0, 5309.0, 5685.0, 5580.0, 5673.0, 5303.0, 5255.0, 5650.0, 5392.0, 5382.0, 5271.0, 5519.0, 5264.0, 5288.0, 5362.0, 5535.0, 5556.0, 5672.0, 5452.0, 5567.0, 5379.0, 5637.0, 5718.0, 5372.0, 5325.0, 5478.0, 5526.0, 5301.0, 5469.0, 5655.0, 5712.0, 5522.0, 5316.0, 5504.0, 5473.0, 5693.0, 5701.0, 5263.0, 5644.0, 5471.0, 5591.0, 5553.0, 5628.0, 5262.0, 5272.0, 5393.0, 5463.0, 5653.0, 5593.0, 5569.0, 5634.0, 5424.0, 5677.0, 5283.0, 5585.0, 5540.0, 5532.0, 5664.0, 5686.0, 5395.0, 5498.0, 5545.0, 5662.0, 5317.0, 5491.0 (number of hits: 8)
12	5270	9	1	333	1	5336.0, 5402.0, 5715.0, 5659.0, 5610.0, 5329.0, 5392.0, 5700.0, 5557.0, 5283.0, 5325.0, 5483.0, 5284.0, 5687.0, 5716.0, 5711.0, 5664.0, 5574.0, 5534.0, 5409.0,

						5288.0, 5312.0, 5458.0, 5365.0, 5495.0, 5486.0, 5297.0, 5481.0, 5704.0, 5697.0, 5724.0, 5542.0, 5406.0, 5414.0, 5403.0, 5308.0, 5446.0, 5686.0, 5516.0, 5598.0, 5405.0, 5380.0, 5560.0, 5541.0, 5436.0, 5490.0, 5682.0, 5387.0, 5277.0, 5578.0, 5360.0, 5616.0, 5609.0, 5299.0, 5416.0, 5444.0, 5352.0, 5450.0, 5622.0, 5358.0, 5377.0, 5502.0, 5478.0, 5311.0, 5438.0, 5426.0, 5421.0, 5635.0, 5424.0, 5457.0, 5338.0, 5548.0, 5503.0, 5350.0, 5383.0, 5566.0, 5487.0, 5366.0, 5274.0, 5474.0, 5549.0, 5359.0, 5390.0, 5462.0, 5295.0, 5508.0, 5569.0, 5326.0, 5587.0, 5699.0, 5689.0, 5702.0, 5544.0, 5413.0, 5537.0, 5324.0, 5307.0, 5568.0, 5434.0, 5291.0 (number of hits: 4)
13	5270	9	1	333	1	5381.0, 5646.0, 5364.0, 5527.0, 5552.0, 5594.0, 5447.0, 5387.0, 5604.0, 5571.0, 5652.0, 5502.0, 5259.0, 5517.0, 5643.0, 5534.0, 5637.0, 5336.0, 5380.0, 5309.0, 5685.0, 5523.0, 5413.0, 5263.0, 5399.0, 5650.0, 5662.0, 5425.0, 5557.0, 5427.0, 5614.0, 5612.0, 5660.0, 5300.0, 5603.0, 5398.0, 5722.0, 5683.0, 5653.0, 5708.0, 5585.0, 5659.0, 5670.0, 5633.0, 5531.0, 5286.0, 5406.0, 5657.0, 5540.0, 5307.0, 5509.0, 5469.0, 5615.0, 5448.0, 5599.0, 5291.0, 5595.0, 5608.0, 5345.0, 5566.0, 5495.0, 5665.0, 5293.0, 5289.0, 5592.0, 5264.0, 5367.0, 5328.0, 5459.0, 5610.0, 5296.0, 5374.0, 5369.0, 5281.0, 5482.0, 5443.0, 5272.0, 5682.0, 5560.0, 5343.0, 5476.0, 5511.0, 5636.0, 5581.0, 5378.0, 5544.0, 5365.0, 5254.0, 5302.0, 5550.0, 5269.0, 5276.0, 5323.0, 5335.0, 5559.0, 5473.0, 5520.0, 5542.0, 5551.0, 5522.0 (number of hits: 9)
14	5270	9	1	333	1	5295.0, 5515.0, 5519.0, 5262.0, 5722.0, 5252.0, 5565.0, 5458.0, 5600.0, 5517.0, 5635.0, 5533.0, 5689.0, 5359.0, 5576.0, 5513.0, 5390.0, 5314.0, 5312.0, 5433.0, 5605.0, 5723.0, 5395.0, 5581.0, 5382.0, 5620.0, 5394.0, 5373.0, 5391.0, 5724.0, 5350.0, 5469.0, 5319.0, 5701.0, 5694.0, 5403.0, 5705.0, 5460.0, 5551.0, 5636.0, 5646.0, 5494.0, 5639.0, 5471.0, 5630.0, 5440.0, 5466.0, 5404.0, 5495.0, 5370.0, 5674.0, 5256.0, 5487.0, 5558.0, 5488.0, 5313.0, 5274.0, 5504.0, 5595.0, 5525.0, 5290.0, 5419.0, 5686.0, 5567.0, 5560.0, 5317.0, 5680.0, 5687.0, 5549.0, 5300.0, 5426.0, 5451.0, 5268.0, 5402.0, 5667.0, 5696.0, 5679.0, 5485.0, 5265.0, 5587.0, 5717.0, 5611.0, 5345.0, 5572.0, 5624.0, 5388.0, 5509.0, 5570.0, 5489.0, 5685.0, 5364.0, 5346.0, 5550.0, 5253.0, 5446.0, 5369.0, 5478.0, 5263.0, 5554.0, 5584.0 (number of hits: 8)
15	5270	9	1	333	1	5665.0, 5264.0, 5522.0, 5290.0, 5262.0,

						5394.0, 5605.0, 5692.0, 5562.0, 5467.0, 5464.0, 5305.0, 5382.0, 5494.0, 5333.0, 5528.0, 5620.0, 5319.0, 5303.0, 5308.0, 5664.0, 5387.0, 5674.0, 5685.0, 5703.0, 5293.0, 5507.0, 5596.0, 5628.0, 5643.0, 5401.0, 5618.0, 5698.0, 5367.0, 5501.0, 5449.0, 5712.0, 5554.0, 5433.0, 5301.0, 5576.0, 5295.0, 5518.0, 5678.0, 5285.0, 5423.0, 5334.0, 5510.0, 5655.0, 5431.0, 5309.0, 5696.0, 5581.0, 5505.0, 5490.0, 5597.0, 5544.0, 5516.0, 5474.0, 5339.0, 5658.0, 5311.0, 5405.0, 5568.0, 5372.0, 5580.0, 5263.0, 5613.0, 5670.0, 5564.0, 5393.0, 5481.0, 5384.0, 5647.0, 5525.0, 5697.0, 5455.0, 5358.0, 5329.0, 5612.0, 5482.0, 5571.0, 5410.0, 5312.0, 5274.0, 5270.0, 5458.0, 5304.0, 5645.0, 5491.0, 5524.0, 5533.0, 5332.0, 5369.0, 5338.0, 5476.0, 5625.0, 5298.0, 5253.0, 5352.0 (number of hits: 7)
16	5270	9	1	333	1	5490.0, 5308.0, 5390.0, 5695.0, 5603.0, 5628.0, 5668.0, 5585.0, 5313.0, 5402.0, 5672.0, 5401.0, 5284.0, 5426.0, 5713.0, 5354.0, 5681.0, 5364.0, 5444.0, 5703.0, 5691.0, 5504.0, 5351.0, 5692.0, 5666.0, 5337.0, 5412.0, 5660.0, 5404.0, 5479.0, 5432.0, 5560.0, 5634.0, 5388.0, 5641.0, 5397.0, 5310.0, 5464.0, 5723.0, 5679.0, 5644.0, 5299.0, 5387.0, 5335.0, 5532.0, 5549.0, 5347.0, 5501.0, 5488.0, 5609.0, 5485.0, 5276.0, 5423.0, 5593.0, 5374.0, 5529.0, 5438.0, 5678.0, 5604.0, 5523.0, 5507.0, 5639.0, 5497.0, 5626.0, 5430.0, 5267.0, 5505.0, 5645.0, 5314.0, 5307.0, 5580.0, 5550.0, 5624.0, 5440.0, 5345.0, 5262.0, 5718.0, 5719.0, 5658.0, 5546.0, 5619.0, 5304.0, 5381.0, 5557.0, 5324.0, 5405.0, 5408.0, 5638.0, 5467.0, 5333.0, 5541.0, 5584.0, 5346.0, 5537.0, 5487.0, 5270.0, 5721.0, 5383.0, 5569.0, 5637.0 (number of hits: 5)
17	5270	9	1	333	1	5721.0, 5677.0, 5367.0, 5510.0, 5625.0, 5460.0, 5556.0, 5411.0, 5477.0, 5552.0, 5321.0, 5400.0, 5497.0, 5450.0, 5615.0, 5591.0, 5305.0, 5555.0, 5437.0, 5601.0, 5644.0, 5440.0, 5360.0, 5294.0, 5270.0, 5716.0, 5543.0, 5545.0, 5666.0, 5370.0, 5705.0, 5320.0, 5475.0, 5340.0, 5660.0, 5352.0, 5629.0, 5564.0, 5269.0, 5272.0, 5415.0, 5458.0, 5288.0, 5397.0, 5323.0, 5529.0, 5382.0, 5451.0, 5291.0, 5523.0, 5278.0, 5333.0, 5357.0, 5256.0, 5683.0, 5561.0, 5584.0, 5563.0, 5307.0, 5596.0, 5469.0, 5713.0, 5632.0, 5368.0, 5466.0, 5521.0, 5279.0, 5455.0, 5413.0, 5491.0, 5518.0, 5540.0, 5573.0, 5326.0, 5717.0, 5271.0, 5380.0, 5559.0, 5452.0, 5618.0, 5274.0, 5548.0, 5719.0, 5614.0, 5261.0, 5401.0, 5574.0, 5535.0, 5285.0, 5422.0, 5342.0, 5723.0, 5590.0, 5690.0, 5536.0

						5421.0, 5678.0, 5525.0, 5546.0, 5295.0 (number of hits: 10)
18	5270	9	1	333	1	5653.0, 5399.0, 5529.0, 5459.0, 5331.0, 5561.0, 5605.0, 5321.0, 5453.0, 5479.0, 5402.0, 5579.0, 5338.0, 5272.0, 5658.0, 5441.0, 5688.0, 5467.0, 5615.0, 5433.0, 5344.0, 5586.0, 5461.0, 5364.0, 5521.0, 5308.0, 5609.0, 5612.0, 5541.0, 5523.0, 5535.0, 5666.0, 5426.0, 5378.0, 5434.0, 5723.0, 5661.0, 5483.0, 5446.0, 5251.0, 5625.0, 5293.0, 5330.0, 5470.0, 5681.0, 5522.0, 5291.0, 5700.0, 5547.0, 5494.0, 5684.0, 5439.0, 5359.0, 5722.0, 5350.0, 5603.0, 5275.0, 5449.0, 5302.0, 5255.0, 5280.0, 5328.0, 5555.0, 5651.0, 5283.0, 5576.0, 5316.0, 5373.0, 5536.0, 5678.0, 5365.0, 5611.0, 5654.0, 5616.0, 5349.0, 5559.0, 5698.0, 5557.0, 5500.0, 5641.0, 5640.0, 5376.0, 5260.0, 5314.0, 5374.0, 5270.0, 5487.0, 5643.0, 5589.0, 5462.0, 5639.0, 5335.0, 5600.0, 5443.0, 5680.0, 5595.0, 5361.0, 5716.0, 5709.0, 5520.0 (number of hits: 7)
19	5270	9	1	333	1	5679.0, 5617.0, 5345.0, 5705.0, 5380.0, 5269.0, 5574.0, 5452.0, 5656.0, 5483.0, 5448.0, 5628.0, 5579.0, 5646.0, 5625.0, 5511.0, 5587.0, 5682.0, 5680.0, 5720.0, 5674.0, 5459.0, 5262.0, 5450.0, 5578.0, 5465.0, 5280.0, 5261.0, 5642.0, 5710.0, 5604.0, 5464.0, 5253.0, 5717.0, 5516.0, 5547.0, 5681.0, 5622.0, 5606.0, 5290.0, 5476.0, 5436.0, 5635.0, 5546.0, 5473.0, 5442.0, 5462.0, 5531.0, 5653.0, 5366.0, 5585.0, 5336.0, 5534.0, 5675.0, 5425.0, 5350.0, 5704.0, 5695.0, 5492.0, 5331.0, 5417.0, 5317.0, 5644.0, 5430.0, 5322.0, 5507.0, 5373.0, 5420.0, 5260.0, 5499.0, 5677.0, 5300.0, 5718.0, 5713.0, 5668.0, 5647.0, 5559.0, 5618.0, 5540.0, 5641.0, 5471.0, 5479.0, 5445.0, 5565.0, 5277.0, 5270.0, 5369.0, 5293.0, 5374.0, 5637.0, 5640.0, 5570.0, 5550.0, 5561.0, 5384.0, 5609.0, 5282.0, 5352.0, 5472.0, 5690.0 (number of hits: 9)
20	5270	9	1	333	1	5499.0, 5383.0, 5510.0, 5480.0, 5461.0, 5450.0, 5424.0, 5714.0, 5549.0, 5384.0, 5614.0, 5290.0, 5310.0, 5706.0, 5616.0, 5291.0, 5680.0, 5690.0, 5451.0, 5394.0, 5283.0, 5696.0, 5544.0, 5264.0, 5459.0, 5564.0, 5448.0, 5438.0, 5587.0, 5422.0, 5315.0, 5565.0, 5656.0, 5452.0, 5643.0, 5595.0, 5651.0, 5516.0, 5530.0, 5440.0, 5618.0, 5397.0, 5543.0, 5515.0, 5293.0, 5301.0, 5257.0, 5505.0, 5598.0, 5432.0, 5601.0, 5488.0, 5703.0, 5557.0, 5566.0, 5607.0, 5707.0, 5462.0, 5311.0, 5437.0, 5428.0, 5326.0, 5526.0, 5532.0, 5589.0, 5686.0, 5487.0, 5536.0, 5489.0, 5363.0, 5572.0, 5335.0, 5547.0, 5346.0, 5322.0, 5559.0, 5381.0, 5695.0, 5511.0, 5582.0,

						5504.0, 5620.0, 5369.0, 5272.0, 5430.0, 5379.0, 5642.0, 5562.0, 5629.0, 5274.0, 5685.0, 5302.0, 5635.0, 5545.0, 5296.0, 5314.0, 5661.0, 5655.0, 5611.0, 5493.0 (number of hits: 5)
21	5270	9	1	333	1	5255.0, 5412.0, 5447.0, 5714.0, 5560.0, 5328.0, 5494.0, 5524.0, 5644.0, 5367.0, 5692.0, 5629.0, 5500.0, 5555.0, 5354.0, 5717.0, 5341.0, 5548.0, 5333.0, 5547.0, 5539.0, 5440.0, 5615.0, 5353.0, 5675.0, 5600.0, 5528.0, 5634.0, 5450.0, 5471.0, 5310.0, 5251.0, 5325.0, 5683.0, 5390.0, 5337.0, 5265.0, 5317.0, 5347.0, 5640.0, 5326.0, 5623.0, 5287.0, 5711.0, 5706.0, 5483.0, 5523.0, 5455.0, 5454.0, 5638.0, 5511.0, 5556.0, 5420.0, 5433.0, 5470.0, 5312.0, 5364.0, 5266.0, 5359.0, 5457.0, 5264.0, 5258.0, 5405.0, 5345.0, 5510.0, 5453.0, 5269.0, 5358.0, 5660.0, 5553.0, 5316.0, 5309.0, 5620.0, 5658.0, 5515.0, 5519.0, 5387.0, 5344.0, 5389.0, 5712.0, 5718.0, 5586.0, 5584.0, 5574.0, 5631.0, 5541.0, 5680.0, 5579.0, 5374.0, 5283.0, 5720.0, 5700.0, 5403.0, 5630.0, 5479.0, 5350.0, 5621.0, 5392.0, 5607.0, 5501.0 (number of hits: 8)
22	5270	9	1	333	1	5588.0, 5686.0, 5653.0, 5520.0, 5359.0, 5425.0, 5499.0, 5519.0, 5654.0, 5444.0, 5402.0, 5668.0, 5487.0, 5276.0, 5371.0, 5560.0, 5426.0, 5481.0, 5611.0, 5372.0, 5294.0, 5503.0, 5471.0, 5618.0, 5325.0, 5293.0, 5316.0, 5348.0, 5678.0, 5571.0, 5383.0, 5501.0, 5368.0, 5682.0, 5541.0, 5709.0, 5550.0, 5604.0, 5352.0, 5485.0, 5494.0, 5573.0, 5266.0, 5537.0, 5647.0, 5450.0, 5388.0, 5416.0, 5394.0, 5669.0, 5702.0, 5656.0, 5569.0, 5699.0, 5694.0, 5603.0, 5590.0, 5413.0, 5659.0, 5688.0, 5673.0, 5712.0, 5273.0, 5433.0, 5478.0, 5311.0, 5350.0, 5592.0, 5264.0, 5391.0, 5707.0, 5625.0, 5704.0, 5524.0, 5662.0, 5375.0, 5324.0, 5706.0, 5410.0, 5446.0, 5664.0, 5652.0, 5337.0, 5614.0, 5328.0, 5557.0, 5332.0, 5475.0, 5576.0, 5609.0, 5443.0, 5687.0, 5601.0, 5403.0, 5674.0, 5724.0, 5495.0, 5579.0, 5462.0, 5562.0 (number of hits: 4)
23	5270	9	1	333	1	5536.0, 5533.0, 5463.0, 5293.0, 5595.0, 5508.0, 5369.0, 5550.0, 5450.0, 5467.0, 5684.0, 5647.0, 5546.0, 5667.0, 5385.0, 5265.0, 5599.0, 5341.0, 5660.0, 5406.0, 5521.0, 5274.0, 5524.0, 5666.0, 5472.0, 5324.0, 5368.0, 5396.0, 5285.0, 5646.0, 5575.0, 5538.0, 5626.0, 5597.0, 5596.0, 5572.0, 5589.0, 5658.0, 5371.0, 5539.0, 5714.0, 5645.0, 5639.0, 5302.0, 5333.0, 5642.0, 5549.0, 5281.0, 5629.0, 5527.0, 5613.0, 5630.0, 5607.0, 5409.0, 5452.0, 5363.0, 5592.0, 5398.0, 5526.0, 5419.0, 5434.0, 5579.0, 5269.0, 5276.0, 5548.0

						5621.0, 5332.0, 5258.0, 5295.0, 5614.0, 5644.0, 5489.0, 5323.0, 5649.0, 5391.0, 5366.0, 5681.0, 5410.0, 5426.0, 5542.0, 5519.0, 5577.0, 5400.0, 5576.0, 5422.0, 5305.0, 5457.0, 5551.0, 5412.0, 5413.0, 5465.0, 5619.0, 5685.0, 5616.0, 5299.0, 5588.0, 5384.0, 5506.0, 5606.0, 5394.0 (number of hits: 7)
24	5270	9	1	333	1	5692.0, 5480.0, 5294.0, 5604.0, 5625.0, 5585.0, 5510.0, 5637.0, 5305.0, 5620.0, 5562.0, 5285.0, 5442.0, 5371.0, 5499.0, 5719.0, 5584.0, 5462.0, 5323.0, 5379.0, 5623.0, 5369.0, 5556.0, 5459.0, 5486.0, 5436.0, 5434.0, 5307.0, 5378.0, 5270.0, 5704.0, 5723.0, 5456.0, 5715.0, 5488.0, 5627.0, 5310.0, 5444.0, 5304.0, 5324.0, 5707.0, 5335.0, 5494.0, 5427.0, 5636.0, 5722.0, 5454.0, 5558.0, 5644.0, 5621.0, 5566.0, 5288.0, 5332.0, 5326.0, 5614.0, 5403.0, 5592.0, 5402.0, 5467.0, 5544.0, 5594.0, 5576.0, 5617.0, 5711.0, 5724.0, 5552.0, 5717.0, 5567.0, 5450.0, 5574.0, 5548.0, 5399.0, 5656.0, 5368.0, 5382.0, 5396.0, 5714.0, 5522.0, 5471.0, 5468.0, 5630.0, 5375.0, 5658.0, 5303.0, 5472.0, 5529.0, 5706.0, 5571.0, 5589.0, 5579.0, 5278.0, 5433.0, 5273.0, 5289.0, 5543.0, 5447.0, 5342.0, 5448.0, 5477.0, 5560.0 (number of hits: 4)
25	5270	9	1	333	1	5467.0, 5478.0, 5375.0, 5683.0, 5401.0, 5488.0, 5520.0, 5672.0, 5612.0, 5613.0, 5706.0, 5482.0, 5255.0, 5586.0, 5653.0, 5724.0, 5707.0, 5252.0, 5718.0, 5573.0, 5275.0, 5420.0, 5562.0, 5474.0, 5413.0, 5285.0, 5499.0, 5278.0, 5286.0, 5659.0, 5550.0, 5498.0, 5267.0, 5259.0, 5574.0, 5397.0, 5650.0, 5489.0, 5601.0, 5442.0, 5628.0, 5347.0, 5686.0, 5370.0, 5437.0, 5663.0, 5592.0, 5292.0, 5481.0, 5393.0, 5383.0, 5516.0, 5651.0, 5316.0, 5596.0, 5678.0, 5435.0, 5315.0, 5455.0, 5322.0, 5617.0, 5504.0, 5293.0, 5294.0, 5359.0, 5604.0, 5567.0, 5523.0, 5510.0, 5403.0, 5560.0, 5496.0, 5340.0, 5349.0, 5673.0, 5280.0, 5395.0, 5577.0, 5702.0, 5329.0, 5425.0, 5594.0, 5385.0, 5264.0, 5676.0, 5533.0, 5356.0, 5652.0, 5694.0, 5332.0, 5665.0, 5465.0, 5301.0, 5258.0, 5689.0, 5500.0, 5711.0, 5419.0, 5522.0, 5352.0 (number of hits: 11)
26	5270	9	1	333	1	5648.0, 5573.0, 5414.0, 5538.0, 5620.0, 5313.0, 5578.0, 5352.0, 5572.0, 5481.0, 5594.0, 5587.0, 5617.0, 5276.0, 5284.0, 5377.0, 5681.0, 5433.0, 5718.0, 5530.0, 5262.0, 5569.0, 5661.0, 5303.0, 5590.0, 5456.0, 5445.0, 5577.0, 5712.0, 5713.0, 5528.0, 5278.0, 5552.0, 5404.0, 5266.0, 5672.0, 5300.0, 5545.0, 5296.0, 5403.0, 5344.0, 5583.0, 5420.0, 5407.0, 5546.0, 5287.0, 5476.0, 5384.0, 5294.0, 5588.0,

						5502.0, 5463.0, 5600.0, 5570.0, 5386.0, 5424.0, 5263.0, 5473.0, 5494.0, 5330.0, 5437.0, 5337.0, 5647.0, 5585.0, 5525.0, 5251.0, 5597.0, 5394.0, 5469.0, 5441.0, 5567.0, 5705.0, 5723.0, 5327.0, 5460.0, 5571.0, 5409.0, 5503.0, 5299.0, 5292.0, 5443.0, 5542.0, 5254.0, 5601.0, 5615.0, 5540.0, 5304.0, 5325.0, 5604.0, 5627.0, 5536.0, 5541.0, 5329.0, 5505.0, 5378.0, 5454.0, 5285.0, 5383.0, 5305.0, 5323.0 (number of hits: 9)
27	5270	9	1	333	1	5436.0, 5526.0, 5266.0, 5581.0, 5649.0, 5651.0, 5407.0, 5444.0, 5370.0, 5638.0, 5288.0, 5339.0, 5697.0, 5574.0, 5506.0, 5602.0, 5640.0, 5335.0, 5428.0, 5296.0, 5521.0, 5482.0, 5317.0, 5635.0, 5709.0, 5552.0, 5485.0, 5518.0, 5578.0, 5259.0, 5426.0, 5272.0, 5691.0, 5392.0, 5634.0, 5713.0, 5553.0, 5382.0, 5261.0, 5456.0, 5534.0, 5658.0, 5509.0, 5404.0, 5363.0, 5273.0, 5345.0, 5633.0, 5286.0, 5284.0, 5700.0, 5274.0, 5424.0, 5420.0, 5705.0, 5479.0, 5676.0, 5577.0, 5430.0, 5652.0, 5495.0, 5255.0, 5622.0, 5507.0, 5281.0, 5412.0, 5544.0, 5359.0, 5278.0, 5549.0, 5502.0, 5642.0, 5459.0, 5644.0, 5329.0, 5418.0, 5592.0, 5343.0, 5724.0, 5334.0, 5588.0, 5277.0, 5353.0, 5361.0, 5432.0, 5349.0, 5283.0, 5464.0, 5606.0, 5300.0, 5442.0, 5293.0, 5302.0, 5307.0, 5528.0, 5706.0, 5403.0, 5290.0, 5535.0, 5717.0 (number of hits: 13)
28	5270	9	1	333	1	5375.0, 5688.0, 5633.0, 5670.0, 5719.0, 5557.0, 5433.0, 5559.0, 5251.0, 5444.0, 5314.0, 5447.0, 5503.0, 5638.0, 5544.0, 5317.0, 5429.0, 5587.0, 5588.0, 5598.0, 5506.0, 5385.0, 5498.0, 5334.0, 5572.0, 5262.0, 5492.0, 5316.0, 5332.0, 5493.0, 5362.0, 5622.0, 5252.0, 5542.0, 5551.0, 5608.0, 5403.0, 5597.0, 5478.0, 5677.0, 5593.0, 5631.0, 5270.0, 5560.0, 5547.0, 5356.0, 5315.0, 5398.0, 5436.0, 5381.0, 5659.0, 5376.0, 5274.0, 5272.0, 5676.0, 5712.0, 5575.0, 5424.0, 5543.0, 5541.0, 5600.0, 5585.0, 5610.0, 5583.0, 5326.0, 5358.0, 5467.0, 5699.0, 5306.0, 5533.0, 5516.0, 5434.0, 5271.0, 5710.0, 5721.0, 5363.0, 5644.0, 5417.0, 5704.0, 5523.0, 5318.0, 5463.0, 5668.0, 5279.0, 5568.0, 5303.0, 5520.0, 5322.0, 5620.0, 5321.0, 5504.0, 5694.0, 5550.0, 5361.0, 5567.0, 5534.0, 5355.0, 5309.0, 5458.0, 5716.0 (number of hits: 7)
29	5270	9	1	333	1	5369.0, 5695.0, 5381.0, 5721.0, 5291.0, 5289.0, 5522.0, 5280.0, 5652.0, 5351.0, 5495.0, 5448.0, 5571.0, 5379.0, 5401.0, 5335.0, 5596.0, 5531.0, 5271.0, 5413.0, 5277.0, 5662.0, 5340.0, 5330.0, 5297.0, 5581.0, 5286.0, 5481.0, 5663.0, 5346.0, 5440.0, 5588.0, 5641.0, 5396.0, 5389.0,

						5471.0, 5251.0, 5514.0, 5587.0, 5256.0, 5557.0, 5683.0, 5540.0, 5551.0, 5681.0, 5487.0, 5584.0, 5477.0, 5472.0, 5562.0, 5328.0, 5589.0, 5667.0, 5309.0, 5706.0, 5403.0, 5626.0, 5602.0, 5687.0, 5334.0, 5288.0, 5478.0, 5578.0, 5676.0, 5570.0, 5664.0, 5258.0, 5316.0, 5275.0, 5632.0, 5372.0, 5484.0, 5376.0, 5365.0, 5262.0, 5534.0, 5594.0, 5686.0, 5378.0, 5469.0, 5421.0, 5564.0, 5408.0, 5635.0, 5661.0, 5356.0, 5308.0, 5616.0, 5697.0, 5253.0, 5582.0, 5579.0, 5304.0, 5701.0, 5724.0, 5362.0, 5314.0, 5563.0, 5627.0, 5609.0 (number of hits: 9)
30	5270	9	1	333	1	5253.0, 5622.0, 5528.0, 5401.0, 5687.0, 5330.0, 5645.0, 5264.0, 5469.0, 5603.0, 5713.0, 5440.0, 5362.0, 5429.0, 5407.0, 5443.0, 5352.0, 5368.0, 5262.0, 5575.0, 5400.0, 5644.0, 5698.0, 5646.0, 5343.0, 5580.0, 5598.0, 5581.0, 5715.0, 5291.0, 5299.0, 5512.0, 5704.0, 5722.0, 5419.0, 5356.0, 5394.0, 5342.0, 5553.0, 5345.0, 5350.0, 5284.0, 5261.0, 5573.0, 5720.0, 5619.0, 5458.0, 5551.0, 5442.0, 5489.0, 5568.0, 5626.0, 5453.0, 5338.0, 5384.0, 5604.0, 5271.0, 5314.0, 5484.0, 5340.0, 5711.0, 5318.0, 5457.0, 5589.0, 5441.0, 5277.0, 5349.0, 5470.0, 5324.0, 5309.0, 5480.0, 5634.0, 5255.0, 5385.0, 5606.0, 5462.0, 5525.0, 5557.0, 5278.0, 5633.0, 5420.0, 5624.0, 5433.0, 5590.0, 5640.0, 5427.0, 5547.0, 5487.0, 5654.0, 5312.0, 5307.0, 5614.0, 5337.0, 5638.0, 5386.0, 5436.0, 5418.0, 5540.0, 5283.0, 5329.0 (number of hits: 10)

5290 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	80 %	60%	Pass
Type 3	30	83.3 %	60%	Pass
Type 4	30	83.3 %	60%	Pass
Aggregate (Type1 to 4)	120	86.7 %	80%	Pass
Type 5	30	93.3 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

5290 MHz, 80 MHz Bandwidth**Table-1A/1B Radar Type 1A/1B Statistical Performance**

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5251	62	1	858	1
2	5251	99	1	538	1
3	5251	70	1	758	1
4	5251	76	1	698	1
5	5290	72	1	738	1
6	5290	65	1	818	1
7	5290	89	1	598	1
8	5290	95	1	558	1
9	5290	59	1	898	1
10	5251	68	1	778	1
11	5329	78	1	678	1
12	5329	67	1	798	1
13	5329	61	1	878	1
14	5329	86	1	618	1
15	5329	63	1	838	1
16	5251	89	1	595	1
17	5251	25	1	2140	1
18	5251	29	1	1880	1
19	5251	30	1	1769	1
20	5290	26	1	2090	1
21	5290	38	1	1412	1
22	5290	22	1	2500	1
23	5290	56	1	945	1
24	5290	75	1	706	1
25	5251	18	1	3057	1
26	5329	24	1	2223	1
27	5329	40	1	1338	1
28	5329	87	1	612	1
29	5329	21	1	2614	1
30	5329	53	1	1010	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5251	28	1.9	184	1
2	5251	28	1.8	217	1
3	5251	27	2.4	152	1
4	5251	29	4.5	151	0
5	5251	29	1.7	224	1
6	5251	24	2.2	225	1
7	5251	28	4.1	160	0
8	5251	28	2	174	1
9	5251	29	1.6	183	1
10	5251	29	2.1	201	1
11	5290	25	3.3	168	1
12	5290	29	4.7	191	0
13	5290	26	2.4	170	1
14	5290	24	2.9	222	1
15	5290	23	3.6	164	1
16	5290	27	2.7	212	1
17	5290	29	1.7	222	1
18	5290	27	3	184	1
19	5290	26	5	230	1
20	5290	24	4.9	180	0
21	5329	29	1.4	153	1
22	5329	29	1	211	1
23	5329	28	2.2	174	0
24	5329	26	1.6	226	1
25	5329	25	4.7	172	0
26	5329	27	1	174	1
27	5329	26	4.4	185	1
28	5329	27	4.6	229	1
29	5329	28	2.3	209	1
30	5329	28	4.7	195	1
Detection Percentage: 80 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5251	18	9.1	405	1
2	5251	18	9.8	232	1
3	5251	16	9.3	270	1
4	5251	17	6.7	399	1
5	5251	16	9.6	285	1
6	5251	16	9.1	433	1
7	5251	18	9.6	421	1
8	5251	17	7.5	451	1
9	5251	16	6.9	260	1
10	5251	17	7.8	208	1
11	5290	17	6.8	222	1
12	5290	18	9.8	366	1
13	5290	16	8.2	259	1
14	5290	17	8.5	282	0
15	5290	16	8.9	225	1
16	5290	18	6.8	203	1
17	5290	16	8.4	301	1
18	5290	16	6.9	269	0
19	5290	18	7	401	1
20	5290	16	7.8	348	0
21	5329	18	8.3	275	1
22	5329	18	9.3	489	1
23	5329	17	8.4	291	0
24	5329	16	9.5	272	1
25	5329	18	10	361	1
26	5329	17	7.7	448	0
27	5329	17	7.5	484	1
28	5329	18	8.4	236	1
29	5329	17	6.7	420	1
30	5329	17	7.1	251	1
Detection Percentage: 83.3 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5251	15	13.1	251	1
2	5251	12	11	265	1
3	5251	15	13.5	431	0
4	5251	15	15.4	475	1
5	5251	15	17.7	366	1
6	5251	15	19.5	463	1
7	5251	15	13.7	303	1
8	5251	14	11.1	202	0
9	5251	16	14.5	500	1
10	5251	15	11	405	1
11	5290	16	17.1	310	1
12	5290	12	15	336	1
13	5290	12	12.7	283	1
14	5290	15	12.1	242	1
15	5290	15	15.7	362	1
16	5290	15	19.2	474	1
17	5290	16	17.8	268	0
18	5290	15	13.4	453	1
19	5290	16	15.8	433	1
20	5290	16	17.7	268	1
21	5329	13	19.1	250	1
22	5329	15	18.2	488	1
23	5329	16	11.1	437	1
24	5329	16	19	451	0
25	5329	16	13.9	444	1
26	5329	16	16.6	351	1
27	5329	14	14.4	299	1
28	5329	14	19.7	289	0
29	5329	13	16	331	1
30	5329	16	15.2	207	1
Detection Percentage: 83.3 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5290	1
2	5290	1
3	5290	1
4	5290	1
5	5290	1
6	5290	1
7	5290	1
8	5290	1
9	5290	1
10	5290	1
11	5257.6	1
12	5257.6	1
13	5255.6	1
14	5258.4	1
15	5257.6	0
16	5256.0	1
17	5258.8	1
18	5259.6	1
19	5258.8	1
20	5256.4	1
21	5321.2	1
22	5321.6	1
23	5325.6	0
24	5320.4	1
25	5323.2	1
26	5324.4	1
27	5322.0	1
28	5324.8	1
29	5323.2	1
30	5324.4	1
Detection Percentage: 93.3 % (>80%)		

Bin5 Statistics 1

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	60.4	1248		0.160535	1
1	3	8	96.1	1697	1196	0.855125	
2	2	8	73.3	1134		1.800223	
3	2	8	69.2	1287		2.020887	
4	1	8	62.8			2.698334	
5	2	8	88	1549		3.624079	
6	2	8	90.8	1196		4.501738	
7	3	8	64.9	1821	1119	5.138653	
8	3	8	65.2	1241	1275	5.478797	
9	1	8	99.7			6.133767	
10	1	8	86.6			6.903047	
11	3	8	55.2	1526	1139	7.821432	
12	3	8	70.2	1756	1465	8.082893	
13	1	8	98.6			8.978105	
14	1	8	52			9.58984	
15	2	8	72.3	1697		10.205951	
16	1	8	60			10.896997	
17	2	8	59.8	1371		11.389595	

Bin5 Statistics 2

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	86.8			0.385972	1
1	2	8	78	1860		1.330425	
2	3	8	97.2	1837	1807	1.785815	
3	1	8	63.5			2.429271	
4	2	8	50.4	1305		2.826629	
5	1	8	77.2			3.969947	
6	1	8	57.9			4.593766	
7	1	8	71.1			5.381624	
8	2	8	97.7	1809		5.687561	
9	2	8	67.8	1108		6.695866	
10	1	8	61.6			7.460582	
11	2	8	80.5	1798		7.818899	
12	2	8	52.1	1016		8.926636	
13	2	8	80	1578		9.692731	
14	2	8	66.5	1472		9.988466	
15	3	8	70.4	1030	1152	11.10186	
16	1	8	67.7			11.814863	

Bin5 Statistics 3

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	69.1	1431		0.217819	1
1	2	11	75.5	1555		0.684178	
2	2	11	52.7	1856		1.863917	
3	2	11	77.2	1582		2.478695	
4	2	11	69.9	1629		2.874731	
5	2	11	76.4	1530		3.851182	
6	2	11	78.8	1884		4.658626	
7	3	11	73.8	1297	1959	4.673762	
8	3	11	54	1834	1205	5.762933	
9	2	11	73.6	1307		6.159771	
10	2	11	86.3	1067		7.034444	
11	1	11	82.5			7.948585	
12	3	11	76.1	1066	1431	8.522321	
13	2	11	82.3	1283		9.139731	
14	1	11	68.8			9.4756	
15	2	11	91.4	1829		10.41379	
16	1	11	90.7			10.766425	
17	3	11	72.5	1974	1972	11.924816	

Bin5 Statistics 4

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	50.2	1205	1407	0.00756	1
1	2	15	65.3	1151		1.206375	
2	2	15	67.5	1122		1.959672	
3	2	15	96.6	1079		2.856205	
4	2	15	96.3	1324		3.31185	
5	1	15	92.5			4.503538	
6	3	15	58.4	1248	1263	5.109056	
7	3	15	93	1783	1509	5.903583	
8	2	15	55.7	1596		6.802205	
9	1	15	64.5			7.292438	
10	1	15	89.7			8.048322	
11	2	15	89.8	1849		9.396461	
12	3	15	68.9	1872	1166	10.177352	
13	2	15	64.4	1832		10.859027	
14	2	15	88.4	1649		11.77511	

Bin5 Statistics 5

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	65.2	1126		0.393775	1
1	2	10	78.6	1570		1.532783	
2	2	10	97.7	1334		2.072119	
3	2	10	64.9	1107		3.418357	
4	2	10	71.6	1504		4.313978	
5	3	10	89.5	1791	1465	5.176218	
6	1	10	68			6.348127	
7	3	10	88.5	1348	1735	6.676785	
8	2	10	70.1	1902		8.197708	
9	3	10	62.6	1934	1745	8.752328	
10	1	10	60.9			9.481542	
11	3	10	94.4	1558	1986	11.029947	
12	1	10	82.3			11.448218	

Bin5 Statistics 6

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	63	1939		0.846513	1
1	3	11	51.7	1625	1907	1.751943	
2	3	11	64.1	1962	1828	2.736281	
3	2	11	53.7	1025		3.884485	
4	1	11	82.7			4.10307	
5	2	11	53.4	1848		5.29	
6	3	11	93.9	1505	1119	6.539223	
7	3	11	71.4	1526	1473	7.549448	
8	3	11	73.6	1436	1463	8.990667	
9	1	11	62.5			9.179224	
10	3	11	66.6	1825	1653	10.764014	
11	2	11	85.5	1530		11.220876	

Bin5 Statistics 7

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	89	1011		0.3545	1
1	1	7	76.1			1.165389	
2	2	7	57.6	1008		2.217191	
3	2	7	75.2	1621		4.243341	
4	1	7	72.3			4.427199	
5	2	7	98.8	1656		5.71844	
6	2	7	90.8	1489		7.455447	
7	2	7	51.3	1721		8.691928	
8	2	7	79.3	1594		8.905727	
9	1	7	69.9			10.194077	
10	2	7	80.6	1244		11.524333	

Bin5 Statistics 8

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	91.3	1377		0.741918	1
1	2	9	85.8	1693		1.830971	
2	3	9	59	1127	1776	3.161008	
3	2	9	58.9	1656		4.435716	
4	1	9	85.2			5.713806	
5	1	9	60			7.704633	
6	1	9	75.9			9.042125	
7	3	9	91.4	1250	1472	9.737507	
8	2	9	95.6	1616		11.875751	

Bin5 Statistics 9

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	67.2			0.442319	1
1	3	16	91.6	1409	1352	1.166291	
2	1	16	79.2			1.956594	
3	2	16	79.1	1174		2.975746	
4	3	16	73.3	1624	1457	4.228503	
5	3	16	93.7	1524	1230	4.524991	
6	2	16	99.4	1544		5.260955	
7	2	16	59.2	1763		6.496374	
8	1	16	63.3			6.903495	
9	2	16	63.9	1947		8.559445	
10	3	16	52.1	1585	1020	8.816716	
11	2	16	90.3	1083		9.793939	
12	3	16	82.7	1506	1783	10.686015	
13	3	16	82.9	1158	1082	11.279489	

Bin5 Statistics 10

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	1413		0.771343	1
1	1	10	84.5			1.25853	
2	3	10	85	1817	1461	2.390183	
3	2	10	77.7	1782		3.156329	
4	2	10	58.2	1766		4.194603	
5	2	10	72.6	1215		5.706808	
6	2	10	60.5	1368		6.419829	
7	3	10	96	1971	1233	7.876822	
8	2	10	80.8	1101		8.782681	
9	2	10	99.7	1091		9.808691	
10	2	10	55.5	1283		10.886885	
11	3	10	76.9	1554	1423	11.161721	

Bin5 Statistics 11

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	97.6			0.517577	1
1	2	14	84.2	1318		1.221327	
2	2	14	88.3	1971		2.045685	
3	3	14	58.6	1257	1181	2.993741	
4	2	14	51.5	1186		3.58248	
5	2	14	88.6	1668		4.418058	
6	2	14	72.1	1438		5.233548	
7	1	14	73.9			5.486037	
8	3	14	63.7	1495	1848	6.664229	
9	2	14	76.8	1445		6.844533	
10	1	14	70.9			8.016904	
11	3	14	58.6	1818	1854	8.849097	
12	2	14	96.9	1199		9.229702	
13	2	14	56.6	1774		9.90621	
14	3	14	54.6	1253	1083	10.584395	
15	2	14	70.2	1672		11.855785	

Bin5 Statistics 12

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	1613		0.540097	1
1	1	14	80.6			1.128664	
2	3	14	68.9	1019	1519	1.67809	
3	2	14	83.2	1568		2.358753	
4	2	14	80.4	1355		3.138006	
5	2	14	64.8	1861		3.217456	
6	2	14	73	1128		3.976199	
7	1	14	51.9			4.966985	
8	2	14	77.6	1178		5.277306	
9	2	14	79.8	1112		5.951329	
10	2	14	67.4	1752		6.924083	
11	1	14	90.9			7.522051	
12	3	14	69.7	1972	1986	7.757595	
13	1	14	50.9			8.388507	
14	2	14	91.6	1338		9.166812	
15	2	14	69.4	1278		9.631935	
16	2	14	57.3	1976		10.710566	
17	3	14	67.7	1100	1148	11.344913	
18	2	14	59.6	1737		11.527913	

Bin5 Statistics 13

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	87.3			0.384137	1
1	2	9	55	1042		0.645626	
2	2	9	98	1783		1.565126	
3	2	9	61.3	1507		1.86651	
4	3	9	96.3	1945	1892	2.977655	
5	1	9	93.7			3.587441	
6	2	9	60	1575		3.784199	
7	3	9	58.2	1089	1348	4.704975	
8	1	9	98.8			5.30422	
9	1	9	87.4			5.559613	
10	1	9	71			6.231508	
11	1	9	73.3			7.195385	
12	3	9	83.2	1732	1336	7.277095	
13	2	9	77.7	1162		8.025652	
14	1	9	59.6			8.432514	
15	2	9	61.9	1679		9.202557	
16	1	9	81			9.841581	
17	2	9	70.6	1736		10.315129	
18	2	9	96.2	1218		11.0914	
19	1	9	95.1			11.978949	

Bin5 Statistics 14

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	71.9	1797	1516	0.005239	1
1	3	16	68.8	1534	1963	2.6229	
2	3	16	93.9	1719	1078	3.958549	
3	2	16	60.7	1875		5.345136	
4	3	16	66.1	1628	1149	7.043505	
5	2	16	97.1	1890		8.964484	
6	3	16	54.5	1398	1614	10.011698	
7	1	16	62			11.856351	

Bin5 Statistics 15

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	73.2			0.22285	0
1	2	14	79.3	1793		1.154563	
2	1	14	52.2			1.474068	
3	2	14	69.6	1697		2.261595	
4	2	14	87.1	1273		2.976996	
5	3	14	54.1	1477	1470	4.175584	
6	2	14	58.4	1789		4.40866	
7	2	14	55	1545		5.101738	
8	1	14	84.2			5.782332	
9	2	14	98.8	1366		6.712978	
10	2	14	61.2	1770		7.417081	
11	2	14	92.9	1524		8.207351	
12	2	14	80.9	1026		8.605325	
13	1	14	58.4			9.544072	
14	3	14	55.3	1879	1220	10.51922	
15	1	14	98.5			10.721314	
16	2	14	56.7	1740		11.8363	

Bin5 Statistics 16

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	91.2			0.657451	1
1	1	10	89.7			1.502461	
2	1	10	70.9			3.255718	
3	2	10	78.1	1474		4.184443	
4	3	10	96	1914	1633	5.51845	
5	2	10	99.2	1211		6.835492	
6	2	10	55.7	1648		8.270644	
7	1	10	57			9.055391	
8	2	10	87	1191		10.60596	
9	2	10	75.5	1860		11.763276	

Bin5 Statistics 17

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	89.7	1917		0.487078	1
1	1	17	75.1			0.62609	
2	1	17	98.3			1.223979	
3	2	17	95.2	1845		1.806467	
4	3	17	72.1	1600	1354	2.648449	
5	2	17	54.1	1131		3.426099	
6	2	17	85.4	1667		3.719542	
7	3	17	73.1	1535	1037	4.440116	
8	1	17	65.3			5.097153	
9	2	17	71.6	1031		5.441556	
10	1	17	78.8			6.444328	
11	3	17	61	1205	1660	6.667826	
12	2	17	91.5	1951		7.294228	
13	3	17	51.6	1777	1488	7.849535	
14	3	17	83.2	1879	1599	8.78932	
15	1	17	55.5			9.243505	
16	2	17	76.2	1823		9.930076	
17	2	17	76.5	1491		10.2032	
18	1	17	86.4			11.080294	
19	3	17	78.8	1090	1117	11.985722	

Bin5 Statistics 18

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	75.7	1407		0.589674	1
1	3	19	54.3	1595	1191	1.164093	
2	3	19	61.2	1795	1822	1.718904	
3	1	19	76.9			2.153798	
4	3	19	77	1811	1873	3.141215	
5	2	19	77.7	1389		3.6225	
6	2	19	63.8	1999		4.746537	
7	2	19	68.4	1903		5.004672	
8	1	19	93.5			6.191511	
9	2	19	63.8	1080		6.695239	
10	2	19	91	1474		7.201045	
11	2	19	60.9	1999		8.429258	
12	1	19	86.9			8.945538	
13	2	19	52.8	1974		9.759923	
14	1	19	89.2			10.240924	
15	2	19	88.5	1732		10.727428	
16	3	19	69.8	1293	1329	11.397005	

Bin5 Statistics 19

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	59.2	1936		0.774119	1
1	1	17	63.1			1.865228	
2	3	17	62.8	1124	1058	2.230342	
3	2	17	66.3	1003		3.984303	
4	2	17	81.5	1989		4.651848	
5	3	17	67.1	1447	1045	5.348777	
6	2	17	74.1	1718		6.8391	
7	3	17	75.3	1045	1651	7.014463	
8	1	17	97			8.700134	
9	2	17	66.7	1832		9.034408	
10	2	17	95.3	1682		10.354932	
11	2	17	50.1	1902		11.46769	

Bin5 Statistics 20

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	54.9	1598		0.332539	1
1	1	11	75.9			0.686327	
2	2	11	69.2	1291		1.768647	
3	1	11	99.9			2.555577	
4	1	11	92.9			3.157568	
5	2	11	51	1779		3.580836	
6	2	11	78.1	1579		4.349141	
7	1	11	94.2			4.777242	
8	3	11	55.8	1933	1426	5.649023	
9	1	11	70			6.263383	
10	3	11	66.1	1001	1743	7.187578	
11	1	11	59.1			7.667236	
12	2	11	86.8	1678		8.101716	
13	1	11	64.3			8.677786	
14	2	11	81	1711		9.80619	
15	3	11	90.6	1468	1111	10.508235	
16	3	11	55.8	1189	1316	10.781846	
17	1	11	54.7			11.936758	

Bin5 Statistics 21

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	75.4			0.424743	1
1	2	17	87.2	1255		1.729668	
2	2	17	87.3	1048		3.8548	
3	2	17	94.9	1692		4.838859	
4	2	17	70.5	1615		6.277669	
5	2	17	84	1374		8.080936	
6	3	17	95.3	1813	1824	9.336423	
7	2	17	87.5	1805		11.217763	

Bin5 Statistics 22

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	83.5	1802		0.024404	1
1	2	16	83.4	1665		2.351701	
2	2	16	97.3	1109		3.328334	
3	1	16	94.7			3.817373	
4	1	16	87.1			5.986673	
5	3	16	90.6	1998	1357	6.193946	
6	1	16	73.9			7.206146	
7	3	16	52.3	1151	1235	8.47548	
8	1	16	55.2			10.377103	
9	1	16	98			11.278459	

Bin5 Statistics 23

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	83.3	1836		0.201715	0
1	1	6	82.7			2.339039	
2	2	6	88.2	1431		3.54857	
3	1	6	98.8			4.533277	
4	1	6	52.2			6.329947	
5	3	6	84.4	1750	1291	7.497568	
6	2	6	88	1708		8.283617	
7	1	6	91.5			10.498817	
8	2	6	68.9	1096		11.67654	

Bin5 Statistics 24

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	74.5	1517	1777	0.50894	1
1	2	19	81.4	1421		0.700417	
2	2	19	93.6	1153		1.413198	
3	1	19	66.5			2.357827	
4	3	19	71.1	1150	1873	2.598067	
5	2	19	84.8	1932		3.237115	
6	2	19	88.9	1609		3.763844	
7	2	19	65.1	1099		4.566772	
8	2	19	88.4	1004		4.895688	
9	3	19	97.8	1183	1053	5.930636	
10	1	19	53.4			6.396355	
11	3	19	81.3	1209	1611	6.965994	
12	2	19	92.5	1756		7.407787	
13	1	19	64.1			8.039326	
14	2	19	72.8	1785		8.43301	
15	2	19	71.9	1508		9.070101	
16	2	19	76.4	1732		9.684133	
17	2	19	62.9	1847		10.276925	
18	2	19	86.2	1588		11.16186	
19	1	19	58.8			11.673329	

Bin5 Statistics 25

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	76.8	1254		0.214218	1
1	1	12	79.1			1.251859	
2	1	12	65.3			1.670604	
3	3	12	51	1288	1709	2.498505	
4	3	12	83.5	1157	1463	3.31025	
5	3	12	96.6	1709	1407	3.524102	
6	1	12	59.4			4.131655	
7	1	12	62.8			4.942982	
8	3	12	57	1715	1854	5.477915	
9	2	12	78.1	1974		6.290954	
10	2	12	99.7	1299		6.948485	
11	3	12	73.6	1825	1803	7.889184	
12	2	12	99.2	1155		8.116278	
13	1	12	78.9			8.736553	
14	1	12	75.5			9.968194	
15	2	12	93.1	1768		10.238171	
16	2	12	87.5	1792		11.083442	
17	3	12	83.1	1054	1715	11.867488	

Bin5 Statistics 26

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	62.7	1990		0.630111	1
1	2	9	69	1920		1.314814	
2	1	9	80.8			2.292514	
3	2	9	86.1	1566		3.532135	
4	1	9	97.5			4.261792	
5	2	9	57.7	1013		4.975369	
6	2	9	84.9	1397		5.559664	
7	2	9	91	1875		7.02303	
8	1	9	98.9			7.570796	
9	1	9	81			8.460575	
10	1	9	71.6			10.007973	
11	2	9	82	1885		10.679497	
12	2	9	79.3	1066		11.890725	

Bin5 Statistics 27

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	85.2	1855		0.900935	1
1	2	15	86.3	1822		1.515864	
2	2	15	92.9	1656		2.387469	
3	1	15	98.2			2.809421	
4	1	15	87.9			4.441808	
5	2	15	92.7	1303		5.258477	
6	3	15	72.8	1228	1362	6.307845	
7	3	15	56.5	1508	1210	6.989061	
8	2	15	78.4	1874		7.556756	
9	1	15	92.6			8.453983	
10	2	15	58.2	1881		9.410647	
11	3	15	71.5	1028	1114	10.317432	
12	2	15	62.8	1614		11.621321	

Bin5 Statistics 28

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	81.6	1541		0.484011	1
1	1	8	85			0.853699	
2	3	8	78.5	1137	1978	2.163266	
3	2	8	75.5	1994		2.791845	
4	3	8	94	1351	1286	3.321166	
5	2	8	63.3	1378		4.444157	
6	3	8	66.2	1316	1303	5.077719	
7	2	8	68.8	1073		6.268398	
8	2	8	97.9	1096		7.005083	
9	3	8	92.3	1460	1423	7.467018	
10	1	8	77.9			8.316313	
11	2	8	90.7	1220		9.517986	
12	2	8	60.4	1442		9.702607	
13	3	8	59.2	1794	1350	10.647622	
14	1	8	95.9			11.215767	

Bin5 Statistics 29

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	97	1910	1789	0.177042	1
1	2	12	67.8	1223		1.285856	
2	2	12	78.4	1699		2.976891	
3	2	12	80	1344		4.251008	
4	3	12	78.8	1623	1100	5.232976	
5	2	12	93.7	1662		6.167059	
6	2	12	87.8	1928		6.6016	
7	3	12	98.8	1824	1891	8.343112	
8	3	12	89.5	1144	1437	9.526851	
9	2	12	86.7	1169		10.039905	
10	3	12	55.8	1725	1350	10.997941	

Bin5 Statistics 30

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	93	1841	1834	0.683943	1
1	2	9	51.3	1887		1.303832	
2	1	9	73.9			2.154456	
3	2	9	76	1950		2.54205	
4	3	9	55.1	1076	1305	3.390669	
5	2	9	60.2	1222		4.251022	
6	2	9	87	1234		5.025495	
7	3	9	52.5	1319	1258	5.58494	
8	3	9	76.6	1898	1650	6.000729	
9	2	9	86.2	1843		6.758762	
10	3	9	81.1	1040	1795	8.174345	
11	2	9	63.1	1118		8.985708	
12	3	9	66.1	1044	1113	9.311922	
13	1	9	94.4			9.767063	
14	1	9	60.9			10.808631	
15	3	9	91.9	1915	1196	11.951663	

Table-6 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	5295.0, 5720.0, 5573.0, 5654.0, 5449.0, 5293.0, 5542.0, 5496.0, 5672.0, 5646.0, 5634.0, 5531.0, 5559.0, 5384.0, 5693.0, 5653.0, 5447.0, 5339.0, 5589.0, 5697.0, 5644.0, 5415.0, 5575.0, 5580.0, 5401.0, 5403.0, 5491.0, 5703.0, 5437.0, 5590.0, 5655.0, 5329.0, 5291.0, 5370.0, 5548.0, 5422.0, 5256.0, 5479.0, 5538.0, 5591.0, 5262.0, 5719.0, 5625.0, 5507.0, 5598.0, 5529.0, 5490.0, 5406.0, 5322.0, 5642.0, 5390.0, 5610.0, 5584.0, 5426.0, 5721.0, 5495.0, 5471.0, 5305.0, 5525.0, 5502.0, 5699.0, 5521.0, 5402.0, 5326.0, 5374.0, 5252.0, 5602.0, 5254.0, 5288.0, 5488.0, 5388.0, 5616.0, 5269.0, 5392.0, 5701.0, 5391.0, 5333.0, 5400.0, 5567.0, 5685.0, 5274.0, 5376.0, 5484.0, 5302.0, 5549.0, 5328.0, 5409.0, 5662.0, 5435.0, 5321.0, 5636.0, 5362.0, 5273.0, 5335.0, 5299.0, 5431.0, 5629.0, 5566.0, 5371.0, 5519.0 (number of hits: 17)
2	5290	9	1	333	1	5649.0, 5458.0, 5378.0, 5418.0, 5656.0, 5277.0, 5527.0, 5487.0, 5305.0, 5351.0, 5473.0, 5328.0, 5665.0, 5548.0, 5661.0, 5303.0, 5691.0, 5637.0, 5391.0, 5354.0, 5400.0, 5677.0, 5264.0, 5283.0, 5285.0, 5370.0, 5504.0, 5601.0, 5424.0, 5584.0, 5402.0, 5646.0, 5643.0, 5581.0, 5501.0, 5576.0, 5276.0, 5432.0, 5497.0, 5300.0, 5435.0, 5430.0, 5509.0, 5603.0, 5630.0, 5315.0, 5321.0, 5500.0, 5496.0, 5390.0, 5610.0, 5251.0, 5673.0, 5326.0, 5684.0, 5323.0, 5575.0, 5583.0, 5467.0, 5523.0, 5593.0, 5552.0, 5434.0, 5309.0, 5343.0, 5706.0, 5616.0, 5668.0, 5488.0, 5346.0, 5450.0, 5541.0, 5685.0, 5546.0, 5262.0, 5388.0, 5341.0, 5320.0, 5406.0, 5379.0, 5569.0, 5482.0, 5287.0, 5510.0, 5694.0, 5627.0, 5553.0, 5507.0, 5376.0, 5530.0, 5431.0, 5296.0, 5329.0, 5410.0, 5466.0, 5494.0, 5550.0, 5449.0, 5477.0, 5437.0 (number of hits: 17)
3	5290	9	1	333	1	5327.0, 5363.0, 5695.0, 5527.0, 5292.0, 5503.0, 5603.0, 5479.0, 5328.0, 5506.0, 5268.0, 5661.0, 5637.0, 5437.0, 5511.0, 5672.0, 5269.0, 5596.0, 5254.0, 5480.0, 5354.0, 5591.0, 5257.0, 5528.0, 5632.0, 5296.0, 5436.0, 5674.0, 5295.0, 5414.0, 5285.0, 5386.0, 5587.0, 5342.0, 5377.0, 5513.0, 5626.0, 5361.0, 5286.0, 5408.0, 5590.0, 5721.0, 5387.0, 5321.0, 5577.0, 5351.0, 5708.0, 5256.0, 5439.0, 5639.0, 5698.0, 5336.0, 5465.0, 5580.0, 5427.0, 5472.0, 5636.0, 5283.0, 5378.0, 5628.0,

						5554.0, 5337.0, 5542.0, 5438.0, 5515.0, 5433.0, 5313.0, 5720.0, 5358.0, 5575.0, 5263.0, 5307.0, 5512.0, 5390.0, 5504.0, 5659.0, 5290.0, 5688.0, 5367.0, 5315.0, 5662.0, 5571.0, 5650.0, 5664.0, 5370.0, 5658.0, 5629.0, 5397.0, 5539.0, 5420.0, 5642.0, 5583.0, 5382.0, 5422.0, 5331.0, 5579.0, 5593.0, 5683.0, 5317.0, 5338.0 (number of hits: 19)
4	5290	9	1	333	1	5259.0, 5498.0, 5552.0, 5405.0, 5346.0, 5298.0, 5265.0, 5413.0, 5367.0, 5306.0, 5322.0, 5592.0, 5628.0, 5316.0, 5537.0, 5477.0, 5366.0, 5368.0, 5587.0, 5337.0, 5644.0, 5521.0, 5335.0, 5549.0, 5582.0, 5621.0, 5451.0, 5509.0, 5643.0, 5471.0, 5676.0, 5541.0, 5539.0, 5408.0, 5283.0, 5447.0, 5268.0, 5560.0, 5589.0, 5343.0, 5278.0, 5437.0, 5345.0, 5494.0, 5556.0, 5713.0, 5543.0, 5651.0, 5665.0, 5360.0, 5674.0, 5586.0, 5282.0, 5683.0, 5648.0, 5664.0, 5448.0, 5652.0, 5428.0, 5572.0, 5678.0, 5304.0, 5399.0, 5660.0, 5446.0, 5685.0, 5585.0, 5416.0, 5624.0, 5511.0, 5559.0, 5369.0, 5327.0, 5550.0, 5504.0, 5492.0, 5653.0, 5717.0, 5301.0, 5525.0, 5490.0, 5422.0, 5380.0, 5612.0, 5574.0, 5315.0, 5436.0, 5564.0, 5613.0, 5389.0, 5262.0, 5533.0, 5681.0, 5261.0, 5474.0, 5285.0, 5551.0, 5641.0, 5630.0, 5312.0 (number of hits: 18)
5	5290	9	1	333	1	5288.0, 5543.0, 5351.0, 5280.0, 5469.0, 5585.0, 5497.0, 5450.0, 5413.0, 5253.0, 5549.0, 5688.0, 5336.0, 5504.0, 5373.0, 5441.0, 5408.0, 5687.0, 5426.0, 5346.0, 5681.0, 5356.0, 5332.0, 5409.0, 5532.0, 5370.0, 5630.0, 5653.0, 5646.0, 5313.0, 5659.0, 5431.0, 5650.0, 5405.0, 5594.0, 5486.0, 5438.0, 5540.0, 5301.0, 5367.0, 5591.0, 5353.0, 5398.0, 5339.0, 5378.0, 5706.0, 5704.0, 5604.0, 5271.0, 5525.0, 5573.0, 5425.0, 5315.0, 5366.0, 5464.0, 5524.0, 5670.0, 5255.0, 5691.0, 5658.0, 5310.0, 5622.0, 5501.0, 5270.0, 5392.0, 5380.0, 5358.0, 5388.0, 5343.0, 5669.0, 5259.0, 5596.0, 5281.0, 5399.0, 5279.0, 5611.0, 5632.0, 5570.0, 5487.0, 5296.0, 5371.0, 5564.0, 5484.0, 5471.0, 5361.0, 5538.0, 5377.0, 5578.0, 5607.0, 5263.0, 5436.0, 5467.0, 5493.0, 5522.0, 5375.0, 5427.0, 5561.0, 5716.0, 5689.0, 5664.0 (number of hits: 15)
6	5290	9	1	333	1	5644.0, 5552.0, 5630.0, 5555.0, 5525.0, 5391.0, 5336.0, 5659.0, 5658.0, 5446.0, 5528.0, 5371.0, 5614.0, 5384.0, 5722.0, 5443.0, 5654.0, 5324.0, 5251.0, 5406.0, 5601.0, 5718.0, 5318.0, 5254.0, 5576.0, 5575.0, 5411.0, 5586.0, 5396.0, 5558.0, 5529.0, 5661.0, 5505.0, 5667.0, 5378.0, 5315.0, 5496.0, 5636.0, 5388.0, 5560.0, 5293.0, 5373.0, 5613.0, 5441.0, 5685.0

						5562.0, 5582.0, 5514.0, 5299.0, 5687.0, 5337.0, 5621.0, 5361.0, 5494.0, 5684.0, 5689.0, 5435.0, 5642.0, 5567.0, 5662.0, 5425.0, 5620.0, 5289.0, 5445.0, 5261.0, 5474.0, 5723.0, 5573.0, 5506.0, 5392.0, 5581.0, 5264.0, 5380.0, 5537.0, 5508.0, 5485.0, 5633.0, 5637.0, 5460.0, 5598.0, 5321.0, 5383.0, 5652.0, 5666.0, 5375.0, 5683.0, 5640.0, 5690.0, 5707.0, 5712.0, 5453.0, 5422.0, 5490.0, 5273.0, 5382.0, 5414.0, 5262.0, 5309.0, 5472.0, 5678.0 (number of hits: 13)
7	5290	9	1	333	1	5621.0, 5298.0, 5357.0, 5687.0, 5664.0, 5558.0, 5439.0, 5582.0, 5386.0, 5275.0, 5517.0, 5347.0, 5484.0, 5264.0, 5605.0, 5356.0, 5365.0, 5702.0, 5454.0, 5570.0, 5699.0, 5348.0, 5446.0, 5622.0, 5334.0, 5606.0, 5370.0, 5333.0, 5577.0, 5638.0, 5397.0, 5635.0, 5436.0, 5579.0, 5603.0, 5631.0, 5698.0, 5651.0, 5510.0, 5560.0, 5255.0, 5574.0, 5387.0, 5280.0, 5619.0, 5541.0, 5633.0, 5383.0, 5430.0, 5679.0, 5425.0, 5595.0, 5650.0, 5653.0, 5268.0, 5508.0, 5552.0, 5487.0, 5525.0, 5296.0, 5381.0, 5686.0, 5718.0, 5418.0, 5497.0, 5571.0, 5659.0, 5523.0, 5589.0, 5673.0, 5455.0, 5594.0, 5575.0, 5388.0, 5535.0, 5554.0, 5304.0, 5366.0, 5481.0, 5291.0, 5396.0, 5559.0, 5555.0, 5410.0, 5354.0, 5700.0, 5496.0, 5680.0, 5623.0, 5294.0, 5318.0, 5290.0, 5584.0, 5490.0, 5494.0, 5416.0, 5503.0, 5573.0, 5701.0, 5709.0 (number of hits: 12)
8	5290	9	1	333	1	5390.0, 5538.0, 5438.0, 5376.0, 5596.0, 5401.0, 5274.0, 5473.0, 5635.0, 5638.0, 5279.0, 5601.0, 5581.0, 5585.0, 5719.0, 5463.0, 5591.0, 5267.0, 5284.0, 5355.0, 5592.0, 5602.0, 5529.0, 5682.0, 5545.0, 5504.0, 5402.0, 5603.0, 5706.0, 5375.0, 5434.0, 5516.0, 5521.0, 5317.0, 5709.0, 5620.0, 5561.0, 5295.0, 5490.0, 5275.0, 5260.0, 5520.0, 5398.0, 5491.0, 5462.0, 5606.0, 5326.0, 5508.0, 5640.0, 5609.0, 5679.0, 5672.0, 5331.0, 5273.0, 5576.0, 5431.0, 5338.0, 5342.0, 5501.0, 5271.0, 5720.0, 5546.0, 5670.0, 5305.0, 5348.0, 5649.0, 5281.0, 5584.0, 5456.0, 5478.0, 5616.0, 5646.0, 5713.0, 5448.0, 5689.0, 5458.0, 5669.0, 5540.0, 5302.0, 5722.0, 5579.0, 5625.0, 5294.0, 5510.0, 5289.0, 5583.0, 5364.0, 5468.0, 5393.0, 5660.0, 5519.0, 5335.0, 5407.0, 5423.0, 5328.0, 5539.0, 5464.0, 5325.0, 5397.0, 5600.0 (number of hits: 17)
9	5290	9	1	333	1	5524.0, 5541.0, 5467.0, 5582.0, 5267.0, 5526.0, 5606.0, 5672.0, 5337.0, 5359.0, 5470.0, 5436.0, 5567.0, 5631.0, 5619.0, 5553.0, 5699.0, 5433.0, 5684.0, 5342.0, 5344.0, 5386.0, 5354.0, 5713.0, 5665.0, 5255.0, 5587.0, 5466.0, 5639.0, 5410.0,

						5609.0, 5258.0, 5395.0, 5551.0, 5299.0, 5670.0, 5270.0, 5637.0, 5514.0, 5323.0, 5708.0, 5669.0, 5313.0, 5673.0, 5592.0, 5612.0, 5714.0, 5392.0, 5681.0, 5702.0, 5564.0, 5315.0, 5428.0, 5286.0, 5373.0, 5655.0, 5461.0, 5448.0, 5618.0, 5429.0, 5370.0, 5491.0, 5572.0, 5705.0, 5718.0, 5397.0, 5552.0, 5584.0, 5262.0, 5340.0, 5616.0, 5473.0, 5493.0, 5645.0, 5600.0, 5698.0, 5546.0, 5671.0, 5580.0, 5656.0, 5662.0, 5661.0, 5405.0, 5683.0, 5272.0, 5438.0, 5596.0, 5638.0, 5308.0, 5593.0, 5390.0, 5709.0, 5694.0, 5347.0, 5723.0, 5543.0, 5630.0, 5364.0, 5439.0, 5383.0 (number of hits: 12)
10	5290	9	1	333	1	5468.0, 5457.0, 5610.0, 5435.0, 5502.0, 5345.0, 5672.0, 5525.0, 5569.0, 5295.0, 5354.0, 5255.0, 5436.0, 5376.0, 5335.0, 5456.0, 5270.0, 5644.0, 5340.0, 5380.0, 5302.0, 5508.0, 5276.0, 5430.0, 5494.0, 5683.0, 5252.0, 5393.0, 5426.0, 5632.0, 5699.0, 5268.0, 5429.0, 5533.0, 5280.0, 5308.0, 5387.0, 5659.0, 5305.0, 5697.0, 5275.0, 5665.0, 5602.0, 5607.0, 5556.0, 5261.0, 5491.0, 5549.0, 5321.0, 5542.0, 5260.0, 5587.0, 5612.0, 5257.0, 5465.0, 5648.0, 5636.0, 5462.0, 5404.0, 5531.0, 5360.0, 5453.0, 5523.0, 5639.0, 5414.0, 5466.0, 5289.0, 5378.0, 5656.0, 5674.0, 5604.0, 5592.0, 5400.0, 5405.0, 5501.0, 5398.0, 5693.0, 5487.0, 5423.0, 5628.0, 5420.0, 5309.0, 5389.0, 5384.0, 5424.0, 5695.0, 5377.0, 5617.0, 5678.0, 5499.0, 5431.0, 5459.0, 5616.0, 5646.0, 5297.0, 5576.0, 5256.0, 5337.0, 5708.0, 5661.0 (number of hits: 19)
11	5290	9	1	333	1	5634.0, 5534.0, 5251.0, 5719.0, 5363.0, 5360.0, 5649.0, 5355.0, 5714.0, 5368.0, 5297.0, 5382.0, 5396.0, 5521.0, 5690.0, 5391.0, 5584.0, 5570.0, 5478.0, 5604.0, 5354.0, 5317.0, 5323.0, 5393.0, 5640.0, 5601.0, 5591.0, 5592.0, 5434.0, 5289.0, 5679.0, 5646.0, 5565.0, 5315.0, 5667.0, 5332.0, 5689.0, 5445.0, 5435.0, 5389.0, 5535.0, 5611.0, 5501.0, 5268.0, 5573.0, 5462.0, 5412.0, 5598.0, 5660.0, 5644.0, 5475.0, 5560.0, 5582.0, 5588.0, 5381.0, 5474.0, 5620.0, 5507.0, 5549.0, 5695.0, 5556.0, 5479.0, 5414.0, 5272.0, 5614.0, 5623.0, 5306.0, 5628.0, 5706.0, 5294.0, 5408.0, 5654.0, 5665.0, 5528.0, 5672.0, 5571.0, 5662.0, 5500.0, 5721.0, 5259.0, 5636.0, 5397.0, 5700.0, 5564.0, 5376.0, 5365.0, 5423.0, 5647.0, 5504.0, 5404.0, 5699.0, 5512.0, 5409.0, 5383.0, 5527.0, 5622.0, 5319.0, 5439.0, 5612.0, 5481.0 (number of hits: 11)
12	5290	9	1	333	1	5692.0, 5546.0, 5336.0, 5696.0, 5410.0, 5378.0, 5555.0, 5341.0, 5711.0, 5383.0, 5306.0, 5702.0, 5716.0, 5644.0, 5428.0,

						5391.0, 5252.0, 5413.0, 5380.0, 5635.0, 5379.0, 5310.0, 5381.0, 5575.0, 5290.0, 5274.0, 5648.0, 5417.0, 5544.0, 5593.0, 5384.0, 5609.0, 5441.0, 5660.0, 5561.0, 5672.0, 5402.0, 5697.0, 5652.0, 5419.0, 5623.0, 5335.0, 5659.0, 5701.0, 5646.0, 5554.0, 5366.0, 5636.0, 5532.0, 5372.0, 5496.0, 5451.0, 5682.0, 5485.0, 5639.0, 5260.0, 5367.0, 5253.0, 5603.0, 5461.0, 5352.0, 5291.0, 5363.0, 5385.0, 5622.0, 5261.0, 5563.0, 5690.0, 5501.0, 5365.0, 5613.0, 5386.0, 5512.0, 5414.0, 5509.0, 5343.0, 5258.0, 5471.0, 5433.0, 5715.0, 5719.0, 5604.0, 5443.0, 5298.0, 5510.0, 5552.0, 5624.0, 5680.0, 5431.0, 5325.0, 5605.0, 5476.0, 5608.0, 5324.0, 5677.0, 5287.0, 5464.0, 5345.0, 5564.0, 5465.0 (number of hits: 14)
13	5290	9	1	333	1	5262.0, 5302.0, 5334.0, 5413.0, 5613.0, 5450.0, 5705.0, 5724.0, 5394.0, 5263.0, 5453.0, 5717.0, 5577.0, 5462.0, 5362.0, 5688.0, 5437.0, 5472.0, 5487.0, 5374.0, 5592.0, 5378.0, 5345.0, 5642.0, 5690.0, 5488.0, 5610.0, 5375.0, 5256.0, 5650.0, 5393.0, 5418.0, 5615.0, 5523.0, 5621.0, 5272.0, 5333.0, 5309.0, 5492.0, 5654.0, 5643.0, 5388.0, 5464.0, 5620.0, 5283.0, 5684.0, 5258.0, 5622.0, 5553.0, 5502.0, 5516.0, 5402.0, 5540.0, 5652.0, 5676.0, 5377.0, 5501.0, 5267.0, 5455.0, 5689.0, 5528.0, 5525.0, 5568.0, 5710.0, 5427.0, 5599.0, 5518.0, 5637.0, 5509.0, 5454.0, 5325.0, 5508.0, 5713.0, 5675.0, 5459.0, 5416.0, 5591.0, 5290.0, 5438.0, 5563.0, 5499.0, 5461.0, 5318.0, 5444.0, 5264.0, 5432.0, 5496.0, 5511.0, 5596.0, 5638.0, 5421.0, 5350.0, 5328.0, 5521.0, 5391.0, 5291.0, 5357.0, 5527.0, 5609.0, 5530.0 (number of hits: 14)
14	5290	9	1	333	1	5672.0, 5569.0, 5705.0, 5392.0, 5445.0, 5370.0, 5439.0, 5590.0, 5574.0, 5546.0, 5566.0, 5499.0, 5288.0, 5594.0, 5253.0, 5295.0, 5287.0, 5571.0, 5263.0, 5600.0, 5508.0, 5386.0, 5336.0, 5558.0, 5716.0, 5555.0, 5623.0, 5421.0, 5270.0, 5542.0, 5548.0, 5278.0, 5648.0, 5707.0, 5608.0, 5657.0, 5416.0, 5446.0, 5477.0, 5357.0, 5293.0, 5582.0, 5472.0, 5402.0, 5339.0, 5290.0, 5479.0, 5715.0, 5256.0, 5355.0, 5720.0, 5604.0, 5666.0, 5283.0, 5409.0, 5350.0, 5687.0, 5273.0, 5684.0, 5624.0, 5688.0, 5365.0, 5429.0, 5524.0, 5360.0, 5513.0, 5618.0, 5396.0, 5605.0, 5550.0, 5368.0, 5281.0, 5554.0, 5424.0, 5259.0, 5327.0, 5665.0, 5609.0, 5681.0, 5376.0, 5617.0, 5547.0, 5697.0, 5702.0, 5651.0, 5329.0, 5374.0, 5610.0, 5322.0, 5563.0, 5296.0, 5453.0, 5418.0, 5510.0, 5662.0, 5632.0, 5562.0, 5328.0, 5498.0, 5585.0 (number of hits: 17)

15	5290	9	1	333	1	5263.0, 5573.0, 5429.0, 5513.0, 5462.0, 5316.0, 5417.0, 5677.0, 5694.0, 5443.0, 5309.0, 5352.0, 5527.0, 5613.0, 5431.0, 5324.0, 5360.0, 5288.0, 5540.0, 5683.0, 5358.0, 5319.0, 5661.0, 5545.0, 5370.0, 5371.0, 5440.0, 5299.0, 5430.0, 5678.0, 5574.0, 5666.0, 5434.0, 5593.0, 5422.0, 5559.0, 5565.0, 5279.0, 5301.0, 5425.0, 5720.0, 5344.0, 5635.0, 5606.0, 5423.0, 5335.0, 5473.0, 5437.0, 5453.0, 5615.0, 5517.0, 5461.0, 5636.0, 5399.0, 5350.0, 5265.0, 5378.0, 5291.0, 5598.0, 5549.0, 5262.0, 5552.0, 5719.0, 5655.0, 5585.0, 5498.0, 5511.0, 5311.0, 5333.0, 5578.0, 5502.0, 5603.0, 5362.0, 5411.0, 5647.0, 5599.0, 5628.0, 5576.0, 5564.0, 5297.0, 5558.0, 5653.0, 5524.0, 5396.0, 5642.0, 5320.0, 5343.0, 5250.0, 5541.0, 5516.0, 5400.0, 5515.0, 5469.0, 5289.0, 5419.0, 5467.0, 5589.0, 5442.0, 5389.0, 5281.0 (number of hits: 17)
16	5290	9	1	333	1	5673.0, 5477.0, 5264.0, 5535.0, 5485.0, 5679.0, 5611.0, 5335.0, 5400.0, 5444.0, 5494.0, 5545.0, 5590.0, 5559.0, 5671.0, 5413.0, 5309.0, 5574.0, 5701.0, 5438.0, 5457.0, 5422.0, 5429.0, 5602.0, 5344.0, 5558.0, 5342.0, 5548.0, 5364.0, 5648.0, 5262.0, 5703.0, 5273.0, 5553.0, 5484.0, 5458.0, 5588.0, 5693.0, 5281.0, 5706.0, 5293.0, 5320.0, 5346.0, 5268.0, 5543.0, 5313.0, 5518.0, 5388.0, 5340.0, 5641.0, 5675.0, 5302.0, 5564.0, 5292.0, 5721.0, 5652.0, 5584.0, 5717.0, 5627.0, 5445.0, 5394.0, 5361.0, 5643.0, 5410.0, 5425.0, 5491.0, 5423.0, 5414.0, 5606.0, 5501.0, 5383.0, 5594.0, 5510.0, 5363.0, 5251.0, 5257.0, 5595.0, 5669.0, 5542.0, 5592.0, 5287.0, 5286.0, 5536.0, 5464.0, 5412.0, 5315.0, 5539.0, 5332.0, 5263.0, 5371.0, 5656.0, 5280.0, 5360.0, 5612.0, 5575.0, 5637.0, 5254.0, 5722.0, 5668.0, 5562.0 (number of hits: 18)
17	5290	9	1	333	1	5383.0, 5674.0, 5521.0, 5601.0, 5374.0, 5570.0, 5511.0, 5671.0, 5498.0, 5470.0, 5702.0, 5305.0, 5624.0, 5709.0, 5635.0, 5581.0, 5616.0, 5615.0, 5577.0, 5641.0, 5354.0, 5507.0, 5488.0, 5610.0, 5691.0, 5502.0, 5333.0, 5657.0, 5652.0, 5277.0, 5433.0, 5717.0, 5563.0, 5612.0, 5607.0, 5515.0, 5367.0, 5407.0, 5609.0, 5632.0, 5572.0, 5500.0, 5559.0, 5694.0, 5413.0, 5696.0, 5426.0, 5389.0, 5662.0, 5418.0, 5602.0, 5705.0, 5462.0, 5370.0, 5425.0, 5533.0, 5275.0, 5343.0, 5308.0, 5497.0, 5718.0, 5427.0, 5375.0, 5395.0, 5336.0, 5283.0, 5328.0, 5424.0, 5661.0, 5527.0, 5637.0, 5393.0, 5459.0, 5398.0, 5382.0, 5396.0, 5630.0, 5670.0, 5378.0, 5379.0, 5359.0, 5385.0, 5722.0, 5512.0, 5655.0, 5468.0, 5455.0, 5508.0, 5453.0, 5526.0

						5621.0, 5392.0, 5449.0, 5313.0, 5520.0, 5633.0, 5545.0, 5335.0, 5677.0, 5440.0 (number of hits: 6)
18	5290	9	1	333	1	5691.0, 5335.0, 5603.0, 5536.0, 5310.0, 5463.0, 5278.0, 5450.0, 5255.0, 5283.0, 5291.0, 5682.0, 5466.0, 5656.0, 5696.0, 5481.0, 5431.0, 5312.0, 5350.0, 5587.0, 5355.0, 5383.0, 5666.0, 5605.0, 5333.0, 5592.0, 5301.0, 5478.0, 5564.0, 5525.0, 5490.0, 5328.0, 5565.0, 5402.0, 5452.0, 5607.0, 5576.0, 5354.0, 5298.0, 5396.0, 5689.0, 5618.0, 5706.0, 5413.0, 5256.0, 5257.0, 5332.0, 5261.0, 5522.0, 5323.0, 5430.0, 5379.0, 5448.0, 5324.0, 5644.0, 5623.0, 5462.0, 5432.0, 5526.0, 5556.0, 5642.0, 5675.0, 5284.0, 5340.0, 5352.0, 5498.0, 5632.0, 5545.0, 5377.0, 5348.0, 5681.0, 5325.0, 5531.0, 5571.0, 5399.0, 5615.0, 5433.0, 5347.0, 5415.0, 5654.0, 5294.0, 5712.0, 5408.0, 5626.0, 5640.0, 5374.0, 5292.0, 5555.0, 5320.0, 5501.0, 5714.0, 5358.0, 5369.0, 5678.0, 5401.0, 5321.0, 5407.0, 5560.0, 5721.0, 5610.0 (number of hits: 19)
19	5290	9	1	333	1	5378.0, 5250.0, 5288.0, 5585.0, 5388.0, 5285.0, 5547.0, 5286.0, 5691.0, 5368.0, 5376.0, 5672.0, 5707.0, 5252.0, 5346.0, 5259.0, 5571.0, 5395.0, 5645.0, 5475.0, 5306.0, 5373.0, 5445.0, 5553.0, 5721.0, 5404.0, 5363.0, 5251.0, 5565.0, 5299.0, 5592.0, 5523.0, 5544.0, 5292.0, 5522.0, 5336.0, 5659.0, 5402.0, 5582.0, 5720.0, 5317.0, 5690.0, 5393.0, 5539.0, 5278.0, 5584.0, 5411.0, 5568.0, 5488.0, 5328.0, 5703.0, 5326.0, 5355.0, 5692.0, 5311.0, 5591.0, 5347.0, 5282.0, 5333.0, 5448.0, 5400.0, 5321.0, 5310.0, 5382.0, 5548.0, 5417.0, 5314.0, 5300.0, 5509.0, 5450.0, 5267.0, 5626.0, 5580.0, 5660.0, 5438.0, 5280.0, 5380.0, 5387.0, 5668.0, 5316.0, 5440.0, 5505.0, 5327.0, 5426.0, 5480.0, 5467.0, 5644.0, 5650.0, 5613.0, 5572.0, 5256.0, 5518.0, 5713.0, 5424.0, 5697.0, 5268.0, 5374.0, 5638.0, 5558.0, 5696.0 (number of hits: 23)
20	5290	9	1	333	1	5607.0, 5504.0, 5317.0, 5635.0, 5610.0, 5680.0, 5349.0, 5685.0, 5508.0, 5700.0, 5572.0, 5461.0, 5474.0, 5436.0, 5426.0, 5350.0, 5304.0, 5431.0, 5609.0, 5396.0, 5321.0, 5507.0, 5719.0, 5366.0, 5682.0, 5438.0, 5346.0, 5510.0, 5593.0, 5502.0, 5652.0, 5308.0, 5577.0, 5528.0, 5309.0, 5723.0, 5553.0, 5611.0, 5259.0, 5688.0, 5678.0, 5639.0, 5386.0, 5289.0, 5549.0, 5721.0, 5661.0, 5713.0, 5710.0, 5352.0, 5295.0, 5444.0, 5722.0, 5681.0, 5258.0, 5451.0, 5445.0, 5677.0, 5622.0, 5702.0, 5373.0, 5448.0, 5654.0, 5566.0, 5484.0, 5358.0, 5354.0, 5657.0, 5715.0, 5542.0, 5581.0, 5452.0, 5586.0, 5381.0, 5706.0

						5686.0, 5672.0, 5601.0, 5316.0, 5598.0, 5287.0, 5376.0, 5403.0, 5388.0, 5599.0, 5629.0, 5490.0, 5516.0, 5326.0, 5493.0, 5637.0, 5546.0, 5276.0, 5503.0, 5573.0, 5529.0, 5579.0, 5545.0, 5646.0, 5393.0 (number of hits: 13)
21	5290	9	1	333	1	5656.0, 5292.0, 5642.0, 5705.0, 5616.0, 5318.0, 5479.0, 5475.0, 5662.0, 5377.0, 5287.0, 5262.0, 5352.0, 5488.0, 5296.0, 5709.0, 5675.0, 5492.0, 5495.0, 5719.0, 5547.0, 5670.0, 5639.0, 5627.0, 5489.0, 5679.0, 5439.0, 5426.0, 5281.0, 5520.0, 5453.0, 5542.0, 5611.0, 5558.0, 5324.0, 5586.0, 5552.0, 5692.0, 5571.0, 5521.0, 5600.0, 5540.0, 5666.0, 5424.0, 5610.0, 5510.0, 5445.0, 5440.0, 5485.0, 5401.0, 5344.0, 5411.0, 5541.0, 5681.0, 5473.0, 5399.0, 5442.0, 5403.0, 5700.0, 5341.0, 5628.0, 5507.0, 5308.0, 5347.0, 5620.0, 5361.0, 5508.0, 5685.0, 5638.0, 5434.0, 5577.0, 5332.0, 5698.0, 5369.0, 5355.0, 5309.0, 5430.0, 5435.0, 5372.0, 5617.0, 5583.0, 5394.0, 5448.0, 5303.0, 5484.0, 5456.0, 5269.0, 5253.0, 5471.0, 5612.0, 5533.0, 5605.0, 5365.0, 5695.0, 5647.0, 5437.0, 5506.0, 5400.0, 5300.0, 5634.0 (number of hits: 13)
22	5290	9	1	333	1	5470.0, 5475.0, 5527.0, 5294.0, 5651.0, 5582.0, 5343.0, 5362.0, 5353.0, 5608.0, 5415.0, 5701.0, 5312.0, 5261.0, 5411.0, 5325.0, 5682.0, 5355.0, 5567.0, 5543.0, 5290.0, 5658.0, 5379.0, 5369.0, 5461.0, 5685.0, 5283.0, 5400.0, 5291.0, 5252.0, 5605.0, 5597.0, 5458.0, 5472.0, 5410.0, 5427.0, 5619.0, 5493.0, 5537.0, 5396.0, 5581.0, 5438.0, 5497.0, 5573.0, 5373.0, 5720.0, 5516.0, 5389.0, 5694.0, 5397.0, 5348.0, 5580.0, 5535.0, 5719.0, 5256.0, 5661.0, 5561.0, 5301.0, 5277.0, 5688.0, 5553.0, 5482.0, 5479.0, 5529.0, 5670.0, 5323.0, 5590.0, 5391.0, 5507.0, 5347.0, 5338.0, 5318.0, 5504.0, 5387.0, 5693.0, 5320.0, 5696.0, 5418.0, 5625.0, 5299.0, 5253.0, 5499.0, 5450.0, 5307.0, 5692.0, 5554.0, 5319.0, 5296.0, 5413.0, 5609.0, 5509.0, 5315.0, 5576.0, 5534.0, 5665.0, 5302.0, 5465.0, 5308.0, 5641.0, 5273.0 (number of hits: 23)
23	5290	9	1	333	1	5633.0, 5444.0, 5391.0, 5445.0, 5414.0, 5639.0, 5368.0, 5259.0, 5651.0, 5623.0, 5276.0, 5306.0, 5614.0, 5691.0, 5542.0, 5268.0, 5538.0, 5423.0, 5467.0, 5262.0, 5496.0, 5449.0, 5492.0, 5715.0, 5683.0, 5665.0, 5679.0, 5357.0, 5527.0, 5329.0, 5419.0, 5287.0, 5294.0, 5519.0, 5491.0, 5559.0, 5656.0, 5579.0, 5322.0, 5469.0, 5702.0, 5723.0, 5543.0, 5499.0, 5540.0, 5440.0, 5470.0, 5684.0, 5603.0, 5514.0, 5607.0, 5457.0, 5426.0, 5387.0, 5265.0, 5459.0, 5526.0, 5701.0, 5509.0, 5343.0

						5255.0, 5367.0, 5308.0, 5620.0, 5712.0, 5284.0, 5681.0, 5530.0, 5405.0, 5571.0, 5358.0, 5625.0, 5361.0, 5305.0, 5263.0, 5314.0, 5271.0, 5471.0, 5335.0, 5674.0, 5410.0, 5626.0, 5424.0, 5529.0, 5562.0, 5608.0, 5327.0, 5573.0, 5408.0, 5641.0, 5393.0, 5395.0, 5283.0, 5384.0, 5533.0, 5591.0, 5418.0, 5647.0, 5438.0, 5258.0 (number of hits: 19)
24	5290	9	1	333	1	5402.0, 5612.0, 5537.0, 5397.0, 5666.0, 5400.0, 5478.0, 5581.0, 5683.0, 5518.0, 5306.0, 5349.0, 5709.0, 5465.0, 5626.0, 5679.0, 5286.0, 5532.0, 5351.0, 5270.0, 5484.0, 5428.0, 5463.0, 5656.0, 5692.0, 5415.0, 5644.0, 5486.0, 5332.0, 5511.0, 5569.0, 5645.0, 5309.0, 5303.0, 5323.0, 5360.0, 5629.0, 5638.0, 5380.0, 5384.0, 5321.0, 5290.0, 5650.0, 5641.0, 5659.0, 5687.0, 5433.0, 5449.0, 5493.0, 5500.0, 5540.0, 5258.0, 5317.0, 5266.0, 5535.0, 5714.0, 5453.0, 5274.0, 5330.0, 5675.0, 5345.0, 5326.0, 5299.0, 5661.0, 5344.0, 5378.0, 5316.0, 5693.0, 5610.0, 5559.0, 5369.0, 5477.0, 5388.0, 5318.0, 5604.0, 5389.0, 5434.0, 5341.0, 5285.0, 5287.0, 5375.0, 5516.0, 5654.0, 5708.0, 5494.0, 5284.0, 5504.0, 5508.0, 5281.0, 5617.0, 5366.0, 5498.0, 5552.0, 5480.0, 5491.0, 5262.0, 5459.0, 5502.0, 5575.0, 5630.0 (number of hits: 21)
25	5290	9	1	333	1	5379.0, 5550.0, 5280.0, 5601.0, 5606.0, 5556.0, 5287.0, 5326.0, 5381.0, 5659.0, 5332.0, 5657.0, 5638.0, 5672.0, 5469.0, 5307.0, 5509.0, 5289.0, 5642.0, 5253.0, 5277.0, 5446.0, 5401.0, 5324.0, 5592.0, 5668.0, 5525.0, 5300.0, 5267.0, 5618.0, 5578.0, 5299.0, 5679.0, 5455.0, 5454.0, 5429.0, 5632.0, 5353.0, 5553.0, 5675.0, 5673.0, 5522.0, 5501.0, 5387.0, 5658.0, 5397.0, 5374.0, 5724.0, 5706.0, 5414.0, 5301.0, 5690.0, 5337.0, 5648.0, 5577.0, 5590.0, 5293.0, 5634.0, 5693.0, 5544.0, 5467.0, 5707.0, 5670.0, 5408.0, 5321.0, 5680.0, 5654.0, 5331.0, 5596.0, 5380.0, 5579.0, 5555.0, 5500.0, 5557.0, 5588.0, 5282.0, 5700.0, 5416.0, 5516.0, 5540.0, 5484.0, 5709.0, 5275.0, 5600.0, 5615.0, 5261.0, 5284.0, 5649.0, 5447.0, 5394.0, 5583.0, 5465.0, 5496.0, 5364.0, 5452.0, 5631.0, 5492.0, 5523.0, 5474.0, 5581.0 (number of hits: 18)
26	5290	9	1	333	1	5508.0, 5534.0, 5440.0, 5662.0, 5596.0, 5284.0, 5425.0, 5256.0, 5312.0, 5630.0, 5632.0, 5715.0, 5701.0, 5421.0, 5290.0, 5529.0, 5549.0, 5436.0, 5523.0, 5560.0, 5463.0, 5434.0, 5688.0, 5335.0, 5355.0, 5347.0, 5643.0, 5605.0, 5429.0, 5384.0, 5464.0, 5588.0, 5552.0, 5710.0, 5401.0, 5308.0, 5420.0, 5604.0, 5471.0, 5606.0, 5287.0, 5721.0, 5278.0, 5621.0, 5352.0,

						5723.0, 5555.0, 5654.0, 5514.0, 5568.0, 5275.0, 5667.0, 5417.0, 5298.0, 5260.0, 5704.0, 5502.0, 5522.0, 5696.0, 5505.0, 5368.0, 5577.0, 5451.0, 5300.0, 5394.0, 5389.0, 5519.0, 5498.0, 5661.0, 5561.0, 5636.0, 5273.0, 5270.0, 5600.0, 5299.0, 5580.0, 5537.0, 5367.0, 5321.0, 5274.0, 5581.0, 5268.0, 5457.0, 5525.0, 5333.0, 5682.0, 5483.0, 5392.0, 5467.0, 5598.0, 5393.0, 5626.0, 5698.0, 5366.0, 5283.0, 5408.0, 5666.0, 5479.0, 5607.0, 5532.0 (number of hits: 18)
27	5290	9	1	333	1	5642.0, 5633.0, 5461.0, 5458.0, 5429.0, 5482.0, 5500.0, 5401.0, 5484.0, 5581.0, 5684.0, 5583.0, 5274.0, 5481.0, 5465.0, 5598.0, 5591.0, 5441.0, 5540.0, 5294.0, 5340.0, 5557.0, 5568.0, 5533.0, 5315.0, 5632.0, 5486.0, 5638.0, 5650.0, 5614.0, 5604.0, 5666.0, 5260.0, 5339.0, 5435.0, 5662.0, 5658.0, 5384.0, 5715.0, 5593.0, 5342.0, 5626.0, 5489.0, 5291.0, 5640.0, 5292.0, 5298.0, 5353.0, 5283.0, 5347.0, 5456.0, 5700.0, 5393.0, 5430.0, 5257.0, 5556.0, 5687.0, 5722.0, 5511.0, 5471.0, 5333.0, 5507.0, 5383.0, 5386.0, 5509.0, 5379.0, 5525.0, 5374.0, 5704.0, 5676.0, 5336.0, 5478.0, 5623.0, 5439.0, 5512.0, 5479.0, 5697.0, 5608.0, 5354.0, 5518.0, 5546.0, 5295.0, 5328.0, 5270.0, 5462.0, 5269.0, 5709.0, 5394.0, 5670.0, 5447.0, 5472.0, 5317.0, 5372.0, 5705.0, 5569.0, 5443.0, 5522.0, 5635.0, 5716.0, 5717.0 (number of hits: 13)
28	5290	9	1	333	1	5569.0, 5431.0, 5321.0, 5399.0, 5416.0, 5329.0, 5522.0, 5616.0, 5538.0, 5525.0, 5565.0, 5655.0, 5408.0, 5540.0, 5505.0, 5611.0, 5564.0, 5411.0, 5659.0, 5719.0, 5260.0, 5256.0, 5582.0, 5576.0, 5649.0, 5373.0, 5674.0, 5370.0, 5299.0, 5545.0, 5292.0, 5403.0, 5298.0, 5267.0, 5520.0, 5713.0, 5526.0, 5542.0, 5566.0, 5683.0, 5379.0, 5273.0, 5356.0, 5375.0, 5414.0, 5684.0, 5723.0, 5555.0, 5657.0, 5422.0, 5575.0, 5300.0, 5309.0, 5396.0, 5457.0, 5415.0, 5513.0, 5490.0, 5710.0, 5361.0, 5534.0, 5543.0, 5491.0, 5444.0, 5265.0, 5470.0, 5561.0, 5698.0, 5486.0, 5567.0, 5364.0, 5288.0, 5502.0, 5521.0, 5693.0, 5369.0, 5621.0, 5685.0, 5450.0, 5383.0, 5539.0, 5504.0, 5347.0, 5637.0, 5632.0, 5367.0, 5269.0, 5395.0, 5615.0, 5376.0, 5258.0, 5254.0, 5594.0, 5378.0, 5324.0, 5464.0, 5687.0, 5475.0, 5393.0, 5510.0 (number of hits: 16)
29	5290	9	1	333	1	5264.0, 5719.0, 5401.0, 5491.0, 5557.0, 5687.0, 5510.0, 5419.0, 5679.0, 5412.0, 5415.0, 5291.0, 5384.0, 5484.0, 5470.0, 5547.0, 5611.0, 5512.0, 5397.0, 5312.0, 5436.0, 5646.0, 5421.0, 5485.0, 5294.0, 5644.0, 5376.0, 5602.0, 5685.0, 5702.0,

						5642.0, 5627.0, 5438.0, 5456.0, 5701.0, 5617.0, 5309.0, 5302.0, 5449.0, 5355.0, 5689.0, 5414.0, 5513.0, 5712.0, 5639.0, 5399.0, 5573.0, 5336.0, 5514.0, 5558.0, 5337.0, 5532.0, 5678.0, 5400.0, 5497.0, 5268.0, 5626.0, 5563.0, 5434.0, 5281.0, 5273.0, 5589.0, 5275.0, 5340.0, 5714.0, 5664.0, 5668.0, 5342.0, 5628.0, 5543.0, 5489.0, 5652.0, 5588.0, 5610.0, 5581.0, 5550.0, 5403.0, 5366.0, 5383.0, 5466.0, 5619.0, 5457.0, 5625.0, 5445.0, 5594.0, 5633.0, 5339.0, 5425.0, 5650.0, 5695.0, 5632.0, 5289.0, 5688.0, 5479.0, 5372.0, 5604.0, 5354.0, 5290.0, 5417.0, 5647.0 (number of hits: 12)
30	5290	9	1	333	1	5571.0, 5338.0, 5418.0, 5385.0, 5544.0, 5468.0, 5402.0, 5614.0, 5597.0, 5471.0, 5714.0, 5407.0, 5633.0, 5682.0, 5513.0, 5399.0, 5556.0, 5521.0, 5600.0, 5567.0, 5455.0, 5316.0, 5535.0, 5283.0, 5335.0, 5388.0, 5268.0, 5723.0, 5256.0, 5678.0, 5496.0, 5413.0, 5517.0, 5427.0, 5297.0, 5421.0, 5651.0, 5473.0, 5522.0, 5424.0, 5346.0, 5350.0, 5686.0, 5300.0, 5460.0, 5362.0, 5676.0, 5326.0, 5400.0, 5323.0, 5250.0, 5533.0, 5704.0, 5261.0, 5426.0, 5355.0, 5599.0, 5276.0, 5514.0, 5253.0, 5322.0, 5565.0, 5315.0, 5644.0, 5539.0, 5677.0, 5378.0, 5433.0, 5505.0, 5450.0, 5461.0, 5637.0, 5687.0, 5332.0, 5523.0, 5698.0, 5706.0, 5483.0, 5474.0, 5267.0, 5369.0, 5525.0, 5373.0, 5266.0, 5566.0, 5718.0, 5420.0, 5675.0, 5705.0, 5308.0, 5515.0, 5573.0, 5327.0, 5252.0, 5310.0, 5545.0, 5609.0, 5382.0, 5445.0, 5543.0 (number of hits: 19)

5250 MHz, 160 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	93.3 %	60%	Pass
Type 2	30	73.3 %	60%	Pass
Type 3	30	90 %	60%	Pass
Type 4	30	90 %	60%	Pass
Aggregate (Type1 to 4)	120	86.7%	80%	Pass
Type 5	30	96.7 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

5250 MHz, 160 MHz Bandwidth

Table-1A/1B Radar Type 1A/1B Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5250	78	1	678	1
2	5250	95	1	558	1
3	5250	61	1	878	1
4	5250	18	1	3066	1
5	5250	74	1	718	1
6	5290	57	1	938	1
7	5290	68	1	778	1
8	5290	81	1	658	1
9	5290	62	1	858	1
10	5290	92	1	578	1
11	5329	76	1	698	1
12	5329	99	1	538	1
13	5329	102	1	518	1
14	5329	70	1	758	1
15	5329	67	1	798	1
16	5251	35	1	1544	1
17	5251	35	1	1513	1
18	5251	20	1	2751	1
19	5251	19	1	2862	0
20	5251	70	1	763	1
21	5290	24	1	2293	1
22	5290	35	1	1532	1
23	5290	45	1	1192	1
24	5290	74	1	717	1
25	5290	20	1	2769	1
26	5329	27	1	1973	1
27	5329	19	1	2877	1
28	5329	22	1	2457	1
29	5329	39	1	1374	1
30	5329	22	1	2445	0
Detection Percentage: 93.3 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5250	24	3.2	227	1
2	5250	27	1.7	194	1
3	5250	26	1.8	189	1
4	5250	24	2.2	168	1
5	5250	26	4.4	223	0
6	5250	26	4.4	155	0
7	5250	29	3.6	184	1
8	5250	27	4.3	167	0
9	5250	26	1.1	166	1
10	5250	26	5	218	1
11	5290	26	4.2	204	0
12	5290	28	4	176	1
13	5290	25	3.5	160	0
14	5290	28	4.1	174	1
15	5290	27	2.9	201	1
16	5290	28	3.2	182	0
17	5290	29	1.4	215	1
18	5290	23	2.7	214	1
19	5290	25	2.6	202	1
20	5290	24	1.7	158	1
21	5329	28	4.6	166	1
22	5329	24	2.1	177	1
23	5329	28	4.7	227	0
24	5329	25	2.2	195	1
25	5329	23	4.4	193	0
26	5329	23	2.8	199	1
27	5329	25	1.2	163	1
28	5329	26	4.6	174	1
29	5329	24	4.1	194	1
30	5329	23	2.3	186	1
Detection Percentage: 73.3 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5250	16	6.7	374	1
2	5250	18	6.9	317	1
3	5250	16	8.8	330	1
4	5250	17	7.6	296	1
5	5250	17	7.8	210	1
6	5250	18	8.8	357	1
7	5250	17	9.9	312	1
8	5250	18	10	434	1
9	5250	18	9.2	269	1
10	5250	16	6.6	354	0
11	5290	18	9	336	1
12	5290	17	7.2	317	1
13	5290	18	9.7	384	1
14	5290	18	10	350	1
15	5290	16	7.4	478	0
16	5290	16	6.2	327	1
17	5290	16	6.2	385	1
18	5290	18	6.8	245	1
19	5290	18	9.1	483	0
20	5290	16	6.9	246	1
21	5329	18	9.4	214	1
22	5329	17	9.7	353	1
23	5329	16	7.9	462	1
24	5329	18	8.9	470	1
25	5329	18	9.7	270	1
26	5329	17	6	256	1
27	5329	18	8.8	448	1
28	5329	17	8.3	419	1
29	5329	18	7.5	434	1
30	5329	17	8.2	367	1
Detection Percentage: 90 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5250	12	17.3	203	1
2	5250	15	18.3	347	1
3	5250	16	17.6	299	0
4	5250	14	11.5	408	1
5	5250	16	18.7	444	1
6	5250	14	19	353	1
7	5250	13	13.6	457	1
8	5250	15	13	497	1
9	5250	13	17.3	260	1
10	5250	14	17.2	498	1
11	5290	15	11.4	416	1
12	5290	13	12.9	421	0
13	5290	13	12	424	1
14	5290	14	19.6	295	1
15	5290	14	19.5	427	1
16	5290	15	11.7	459	1
17	5290	12	15.1	384	0
18	5290	15	14.6	370	1
19	5290	13	19	315	1
20	5290	16	12.1	225	1
21	5329	13	12.7	285	1
22	5329	15	15	252	1
23	5329	15	19.9	493	1
24	5329	16	17.3	339	1
25	5329	14	11.3	475	1
26	5329	13	17.5	380	1
27	5329	14	14.2	443	1
28	5329	12	16.5	489	1
29	5329	13	16.5	268	1
30	5329	15	13.4	496	1
Detection Percentage: 90 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5290	1
2	5290	1
3	5290	1
4	5290	0
5	5290	1
6	5290	1
7	5290	1
8	5290	1
9	5290	1
10	5290	1
11	5254.0	1
12	5253.2	1
13	5255.2	1
14	5257.2	1
15	5254.8	1
16	5258.0	1
17	5253.6	1
18	5256.8	1
19	5252.8	1
20	5258.0	1
21	5320.8	1
22	5320.4	1
23	5322.0	1
24	5324.0	1
25	5323.2	1
26	5323.2	1
27	5323.6	1
28	5325.6	1
29	5320.8	1
30	5324.8	1
Detection Percentage: 96.7 % (>80%)		

Bin5 Statistics 1

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	63.7	1421	1120	0.729959	1
1	1	12	67.3			0.832557	
2	2	12	83.5	1711		2.175444	
3	3	12	99.4	1437	1215	2.561934	
4	2	12	51	1736		3.725686	
5	2	12	53.9	1115		4.356733	
6	3	12	50.1	1255	1824	4.503603	
7	2	12	84.5	1577		5.442087	
8	3	12	84.1	1456	1742	6.143427	
9	3	12	66.9	1680	1360	6.931647	
10	1	12	66.8			7.892235	
11	3	12	90.4	1660	1250	8.961111	
12	1	12	93.1			9.259764	
13	3	12	96.8	1625	1596	10.458766	
14	3	12	91.7	1613	1610	11.202614	
15	3	12	98.3	1829	1920	11.582781	

Bin5 Statistics 2

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	90.5	1084	1914	0.04645	1
1	2	6	67.5	1835		0.976796	
2	2	6	88.4	1061		1.385398	
3	1	6	70.6			2.453534	
4	1	6	70.9			3.065552	
5	2	6	87.7	1651		3.595859	
6	2	6	54.1	1476		3.880738	
7	2	6	94.7	1917		4.481887	
8	1	6	79.7			5.606798	
9	2	6	54.2	1726		5.700472	
10	2	6	60.3	1786		6.51797	
11	3	6	55.7	1208	1411	7.26296	
12	2	6	83.5	1343		7.764017	
13	2	6	84.5	1792		8.578272	
14	3	6	64.8	1082	1200	9.056146	
15	1	6	82.7			9.620486	
16	2	6	56.6	1625		10.276905	
17	2	6	68	1917		10.886732	
18	1	6	62.7			11.395833	

Bin5 Statistics 3

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	56.9	1630		0.48138	1
1	2	6	52.9	1387		1.27626	
2	1	6	90.4			1.939552	
3	2	6	85.5	1753		2.309877	
4	1	6	90.1			3.06608	
5	3	6	97.4	1369	1586	3.820054	
6	2	6	98.1	1954		4.49273	
7	2	6	86.3	1496		5.505671	
8	2	6	57.1	1886		5.701127	
9	2	6	77.1	1730		6.785615	
10	3	6	70.2	1047	1966	7.067914	
11	3	6	89.3	1154	1646	8.460307	
12	1	6	72.8			9.167387	
13	3	6	88.2	1406	1710	9.795081	
14	1	6	95.7			10.431265	
15	3	6	97.4	1809	1390	10.834708	
16	3	6	76.9	1959	1643	11.315943	

Bin5 Statistics 4

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	74.9	1531		1.416873	0
1	2	10	77.9	1863		2.447009	
2	2	10	94.9	1037		3.422923	
3	2	10	84	1966		5.740871	
4	1	10	80.5			6.68905	
5	2	10	64.9	1808		8.276485	
6	2	10	78.7	1697		9.802089	
7	2	10	93.8	1559		10.510827	

Bin5 Statistics 5

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	72.8	1313		0.830877	1
1	2	9	70.3	1696		1.215333	
2	1	9	88			2.465428	
3	3	9	56.3	1904	1611	4.555316	
4	1	9	57.7			5.874762	
5	2	9	51.1	1329		6.891884	
6	3	9	81.7	1686	1896	7.524109	
7	2	9	55.8	1470		8.942392	
8	1	9	81.5			10.349719	
9	1	9	61			11.98926	

Bin5 Statistics 6

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	86.2	1941		0.675507	1
1	2	6	71.8	1049		2.82698	
2	2	6	85.8	1992		4.302689	
3	2	6	95.4	1186		4.714511	
4	2	6	87.1	1083		6.820593	
5	2	6	79.5	1924		8.74175	
6	1	6	67.4			10.083588	
7	2	6	95.3	1622		11.580883	

Bin5 Statistics 7

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	75.8			0.129139	1
1	2	8	93.5	1284		1.516193	
2	2	8	71.8	1626		3.55574	
3	2	8	94.8	1381		4.545509	
4	2	8	93.4	1687		5.091833	
5	1	8	75.3			6.73453	
6	2	8	50.7	1760		8.242701	
7	3	8	93.7	1999	1237	9.138414	
8	2	8	59.6	1552		10.755015	
9	2	8	92.1	1701		11.677176	

Bin5 Statistics 8

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	63.2	1455		0.569242	1
1	3	9	50.7	1327	1796	1.428101	
2	2	9	70.5	1722		3.711913	
3	2	9	84.2	1038		4.293133	
4	3	9	87.5	1084	1749	6.623555	
5	1	9	63.2			7.285905	
6	1	9	88.7			8.497112	
7	2	9	55.2	1109		10.256675	
8	2	9	77	1722		11.818959	

Bin5 Statistics 9

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	83.1	1267	1730	0.315097	1
1	3	11	53.4	1449	1428	0.617955	
2	2	11	76.5	1733		1.475155	
3	2	11	63.7	1808		2.241646	
4	2	11	54.7	1526		2.720611	
5	3	11	51.9	1246	1041	3.208542	
6	2	11	59.1	1688		3.981113	
7	2	11	65.8	1730		4.46665	
8	2	11	62.2	1075		5.112048	
9	3	11	58.7	1951	1326	5.441557	
10	3	11	59.2	1879	1775	6.432322	
11	2	11	79.3	1959		6.629248	
12	2	11	96.9	1154		7.487032	
13	1	11	67.2			7.948651	
14	3	11	62.1	1685	1342	8.606893	
15	3	11	79	1923	1337	9.052078	
16	2	11	84.2	1367		10.147065	
17	3	11	94.4	1942	1741	10.54434	
18	2	11	67.4	1344		11.316079	
19	2	11	63.5	1061		11.971358	

Bin5 Statistics 10

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	60.6	1239	1309	0.270956	1
1	2	11	70.8	1449		0.682333	
2	3	11	89.9	1653	1718	1.408554	
3	1	11	66.7			1.9164	
4	1	11	63.2			3.085457	
5	3	11	62.1	1236	1346	3.385862	
6	2	11	53.1	1319		4.036469	
7	2	11	76	1640		4.992829	
8	3	11	89.6	1032	1331	5.277737	
9	1	11	59.3			6.115503	
10	2	11	55.8	1533		6.883847	
11	3	11	74.5	1494	1406	7.236607	
12	2	11	81	1598		7.650977	
13	1	11	50.1			8.396807	
14	1	11	69.9			8.868895	
15	1	11	97.1			9.70373	
16	1	11	58.4			10.134261	
17	3	11	99.3	1209	1537	11.22314	
18	3	11	79.8	1864	1912	11.697498	

Bin5 Statistics 11

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	76.1	1269		0.171603	1
1	2	10	74.1	1440		1.345673	
2	1	10	56.6			2.024647	
3	2	10	80.5	1810		2.316048	
4	2	10	76.7	1697		3.255933	
5	2	10	55.6	1993		3.973717	
6	3	10	81.8	1468	1660	4.501689	
7	2	10	84.1	1701		5.626387	
8	3	10	72.7	1377	1119	6.219311	
9	3	10	75	1200	1242	7.232657	
10	2	10	96.5	1571		7.940024	
11	1	10	80.1			8.687533	
12	3	10	85.1	1542	1904	9.627415	
13	1	10	73.3			10.187886	
14	1	10	95			10.944901	
15	3	10	64.2	1633	1233	11.391633	

Bin5 Statistics 12

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	56	1429	1389	0.911819	1
1	1	8	89.1			1.103805	
2	2	8	56.8	1013		2.289608	
3	2	8	54.2	1691		3.884833	
4	2	8	81.7	1804		4.478084	
5	2	8	71.1	1821		5.17837	
6	1	8	68.9			6.003048	
7	2	8	77.8	1445		7.473609	
8	1	8	73.8			8.89623	
9	2	8	95.9	1403		9.823024	
10	3	8	65.1	1621	1982	10.814087	
11	1	8	77.7			11.226734	

Bin5 Statistics 13

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	71.6	1378	1175	0.666862	1
1	2	13	93.6	1577		1.009371	
2	2	13	54.5	1966		1.980159	
3	2	13	79.2	1018		2.462679	
4	2	13	60.1	1776		3.465886	
5	2	13	88.9	1070		4.759537	
6	1	13	71.5			4.902967	
7	2	13	89.7	1191		6.129864	
8	2	13	78.5	1650		7.177106	
9	1	13	65.6			7.520509	
10	2	13	76.8	1365		8.150013	
11	2	13	77.8	1492		9.45231	
12	3	13	70.7	1992	1356	10.340171	
13	1	13	62.8			10.863471	
14	2	13	75.3	1196		11.479575	

Bin5 Statistics 14

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	75.7	1476		1.137762	0
1	2	18	85.7	1214		1.858544	
2	3	18	65.7	1021	1585	3.484778	
3	2	18	58.1	1874		4.74934	
4	2	18	60.2	1060		5.51529	
5	2	18	74.9	1554		6.852424	
6	1	18	56.6			7.21362	
7	3	18	91.8	1128	1372	8.809601	
8	1	18	61.2			10.567603	
9	1	18	61			11.835763	

Bin5 Statistics 15

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	59.3	1410	1110	0.516261	1
1	1	12	82.4			1.032867	
2	3	12	86.6	1883	1809	1.468855	
3	2	12	88.8	1601		2.138394	
4	2	12	63	1338		2.845853	
5	2	12	60	1046		3.502067	
6	2	12	75.4	1609		4.148101	
7	3	12	57.9	1642	1636	4.725503	
8	2	12	85.1	1845		5.243736	
9	1	12	72.6			5.682524	
10	2	12	52.2	1640		6.0778	
11	1	12	92.8			6.847015	
12	3	12	56.8	1291	1949	7.715076	
13	2	12	90.9	1566		8.179191	
14	2	12	52.5	1966		8.874165	
15	1	12	100			9.021001	
16	2	12	62	1386		9.860193	
17	2	12	52.1	1980		10.690638	
18	2	12	92.2	1936		11.304616	
19	1	12	50			11.798287	

Bin5 Statistics 16

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	78.2	1930		0.046313	1
1	1	20	92.6			1.787341	
2	2	20	65.7	1712		2.510804	
3	2	20	82.9	1760		2.796263	
4	2	20	71	1792		4.267071	
5	2	20	87.7	1235		5.493169	
6	3	20	71.3	1124	1817	5.844234	
7	1	20	95.8			6.92654	
8	2	20	70.8	1599		8.240075	
9	2	20	92.8	1929		9.140286	
10	1	20	75			9.290152	
11	3	20	96	1583	1607	10.291132	
12	2	20	86.5	1277		11.895939	

Bin5 Statistics 17

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	70.3	1458	1357	0.322452	1
1	2	9	69.2	1074		1.328721	
2	1	9	71.1			2.157495	
3	1	9	92.3			2.991481	
4	2	9	76.7	1301		3.744188	
5	3	9	78.3	1894	1477	4.600996	
6	2	9	51.1	1865		5.122142	
7	2	9	99.4	1190		6.301419	
8	2	9	83.1	1659		6.616057	
9	2	9	53.4	1417		7.494756	
10	2	9	85.2	1727		8.732999	
11	1	9	63.2			8.930496	
12	2	9	59.8	1718		9.900564	
13	3	9	95.6	1378	1048	10.69716	
14	2	9	50.7	1033		11.252798	

Bin5 Statistics 18

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	82.2			0.184573	1
1	1	17	69.4			0.846775	
2	2	17	70	1375		1.607549	
3	2	17	95.6	1918		2.077835	
4	1	17	73.4			2.947354	
5	2	17	96.4	1548		3.271344	
6	3	17	69	1964	1098	4.180615	
7	2	17	81.3	1130		4.233744	
8	2	17	83.5	1756		5.169158	
9	1	17	53.4			5.401425	
10	3	17	89.1	1692	1831	6.25649	
11	3	17	86.1	1484	1684	6.927077	
12	3	17	89.8	1145	1843	7.468542	
13	1	17	96.6			8.097646	
14	2	17	73.8	1920		8.901139	
15	1	17	95			9.344465	
16	1	17	76.1			9.951737	
17	1	17	65.8			10.764315	
18	1	17	52.1			10.80182	
19	2	17	92.6	1892		11.98918	

Bin5 Statistics 19

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	62.3	1255		0.062949	1
1	1	7	58.3			1.215285	
2	2	7	89.8	1795		1.586307	
3	2	7	56.5	1980		2.607527	
4	3	7	85.4	1130	1270	3.40349	
5	2	7	87.2	1005		3.619917	
6	1	7	84.7			4.713873	
7	1	7	95.9			5.000421	
8	2	7	61.7	1671		6.020779	
9	3	7	65.6	1961	1816	6.663343	
10	2	7	78.4	1190		7.572208	
11	3	7	71.4	1649	1510	7.814436	
12	2	7	50.6	1693		9.06575	
13	1	7	53.1			9.279686	
14	1	7	75.6			9.95538	
15	3	7	82.5	1651	1230	11.180527	
16	2	7	73.8	1965		11.596791	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	20	89.9			0.051473	1
1	2	20	98.8	1497		1.143109	
2	2	20	61.7	1046		1.702926	
3	2	20	96.4	1139		2.850666	
4	1	20	74.5			3.778095	
5	2	20	92.9	1588		4.391876	
6	3	20	70.2	1622	1204	5.171489	
7	3	20	60.2	1453	1460	5.987698	
8	2	20	72.7	1633		6.457951	
9	1	20	86.9			7.482688	
10	2	20	58.7	1461		8.203271	
11	1	20	76.3			8.894014	
12	3	20	55.7	1727	1821	9.89234	
13	2	20	76	1745		10.814443	
14	3	20	78.7	1588	1315	11.644496	

Bin5 Statistics 21

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	80.5	1611		0.762061	1
1	3	18	55.1	1859	1713	1.079369	
2	2	18	64.3	1082		2.013267	
3	2	18	63.4	1673		3.095665	
4	1	18	89.5			3.600777	
5	3	18	69.1	1766	1131	4.755275	
6	1	18	65.9			5.4518	
7	1	18	93.5			5.663156	
8	3	18	69	1252	1616	6.816366	
9	2	18	93.8	1953		7.786395	
10	2	18	65.3	1580		8.070919	
11	1	18	55.4			8.842408	
12	3	18	63.1	1229	1921	9.70663	
13	1	18	95			11.071969	
14	3	18	93.2	1870	1598	11.894278	

Bin5 Statistics 22

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	51.7	1645		0.481715	1
1	3	19	80.5	1666	1689	1.002167	
2	3	19	86	1588	1007	1.605765	
3	3	19	55.8	1069	1476	2.562817	
4	1	19	70.4			2.932898	
5	2	19	79.8	1478		3.869634	
6	2	19	86.9	1759		4.423326	
7	2	19	50.4	1440		5.28239	
8	2	19	84.6	1532		5.617687	
9	2	19	89.5	1436		6.647246	
10	1	19	75.7			7.034108	
11	3	19	56.2	1594	1894	7.699874	
12	2	19	52.6	1532		8.56326	
13	1	19	54.6			9.011079	
14	3	19	93.9	1652	1170	9.984267	
15	3	19	69.9	1236	1581	10.435457	
16	1	19	81.2			11.008879	
17	3	19	50.4	1656	1658	11.875706	

Bin5 Statistics 23

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	75.7	1778		0.301217	1
1	3	15	64.7	1945	1416	1.23746	
2	3	15	94.9	1715	1558	1.732859	
3	3	15	68.5	1441	1217	2.574984	
4	3	15	71.5	1186	1958	3.650522	
5	2	15	57.6	1505		4.740849	
6	2	15	88.8	1269		4.90632	
7	2	15	90.7	1085		5.828894	
8	2	15	99.3	1494		6.871598	
9	2	15	59.5	1205		7.513091	
10	2	15	76.4	1887		8.046623	
11	2	15	94	1514		8.853074	
12	3	15	57	1352	1705	9.87151	
13	3	15	76.5	1439	1769	10.990673	
14	2	15	64.8	1110		11.50929	

Bin5 Statistics 24

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	88.3			0.585587	1
1	2	10	80.2	1511		1.358988	
2	2	10	77.2	1292		2.4616	
3	2	10	53.3	1534		3.940728	
4	2	10	62	1166		5.881812	
5	1	10	99.9			6.824055	
6	2	10	62.8	1343		7.670201	
7	2	10	86.2	1513		9.309604	
8	1	10	75.7			10.607084	
9	1	10	67.9			11.346302	

Bin5 Statistics 25

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	54.1	1811	1030	0.609007	1
1	2	12	63.4	1238		1.487349	
2	2	12	51	1681		2.160813	
3	3	12	97.5	1035	1038	2.452098	
4	2	12	74.4	1859		3.601628	
5	2	12	85.9	1475		4.433099	
6	3	12	53.7	1986	1773	4.820779	
7	2	12	94.1	1433		5.624944	
8	2	12	88.9	1360		6.696979	
9	2	12	53.8	1207		6.834533	
10	1	12	98.4			7.500749	
11	3	12	61.8	1511	1931	8.754397	
12	3	12	59.5	1528	1825	9.636149	
13	2	12	81.6	1830		10.372993	
14	2	12	67.9	1754		10.997171	
15	3	12	66.4	1094	1586	11.711521	

Bin5 Statistics 26

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	52.3	1981	1857	1.033504	1
1	2	12	87.6	1057		2.080681	
2	1	12	52.9			2.528883	
3	1	12	78.3			3.468725	
4	1	12	79.6			4.712987	
5	1	12	92.6			5.739375	
6	2	12	92.8	1579		6.55639	
7	2	12	64.7	1274		8.6959	
8	1	12	96.6			9.248228	
9	3	12	84.2	1961	1681	9.987759	
10	2	12	53.2	1056		11.469072	

Bin5 Statistics 27

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	53.3	1896	1051	0.723115	1
1	2	11	70.2	1142		1.305954	
2	2	11	92.5	1180		2.319374	
3	1	11	99.3			3.143611	
4	2	11	95	1543		4.440335	
5	1	11	51.8			4.771406	
6	3	11	93	1644	1621	6.30518	
7	2	11	80.2	1910		6.63149	
8	1	11	62.8			7.818717	
9	3	11	65.1	1118	1892	9.055913	
10	2	11	77.9	1957		9.257015	
11	1	11	79.4			10.188894	
12	2	11	94.9	1965		11.203428	

Bin5 Statistics 28

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	65.9	1898		0.319356	1
1	3	6	82	1728	1171	0.884559	
2	2	6	50.2	1885		2.020076	
3	2	6	52	1698		2.905134	
4	2	6	87.2	1104		3.401077	
5	2	6	79.1	1077		4.709458	
6	2	6	64.7	1430		4.875993	
7	3	6	64.6	1806	1378	5.703399	
8	2	6	96.3	1170		6.699477	
9	3	6	59.4	1656	1254	7.415678	
10	3	6	91.8	1275	1176	8.471416	
11	2	6	78.2	1784		9.206913	
12	1	6	75.5			9.669168	
13	1	6	73.1			11.19346	
14	3	6	65.1	1703	1331	11.750106	

Bin5 Statistics 29

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	91.7	1920	1767	0.429217	1
1	3	18	97.3	1237	1662	1.569852	
2	2	18	82.9	1084		1.929329	
3	2	18	56.2	1895		2.950928	
4	2	18	72.4	1072		3.866275	
5	3	18	78.2	1451	1578	4.521559	
6	2	18	58.1	1967		5.645006	
7	2	18	88.1	1648		6.113924	
8	2	18	99.2	1545		7.495486	
9	3	18	85.1	1271	1197	8.120974	
10	2	18	63.3	1760		8.648308	
11	1	18	97.6			10.280792	
12	2	18	87.5	1837		11.032466	
13	2	18	88.1	1522		11.671467	

Bin5 Statistics 30

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	64.4	1343		0.5399	1
1	3	8	68	1854	1816	1.590582	
2	2	8	63.5	1190		2.316908	
3	3	8	84.9	1005	1850	2.710557	
4	2	8	80.1	1341		3.5528	
5	1	8	93.9			4.612201	
6	2	8	60.3	1752		4.985489	
7	2	8	60.5	1104		5.777197	
8	2	8	70.8	1343		6.965717	
9	2	8	97.7	1043		7.533402	
10	1	8	94.2			8.571508	
11	3	8	89.5	1083	1930	8.816388	
12	2	8	75	1425		10.193512	
13	3	8	97.3	1728	1241	10.794061	
14	1	8	88.9			11.401105	

Table-6 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	5592.0, 5363.0, 5530.0, 5722.0, 5299.0, 5616.0, 5525.0, 5391.0, 5544.0, 5301.0, 5677.0, 5681.0, 5528.0, 5537.0, 5312.0, 5250.0, 5272.0, 5373.0, 5696.0, 5636.0, 5423.0, 5588.0, 5455.0, 5449.0, 5618.0, 5452.0, 5526.0, 5609.0, 5487.0, 5348.0, 5327.0, 5350.0, 5377.0, 5402.0, 5469.0, 5282.0, 5682.0, 5357.0, 5666.0, 5679.0, 5527.0, 5545.0, 5295.0, 5275.0, 5540.0, 5459.0, 5358.0, 5491.0, 5563.0, 5513.0, 5652.0, 5485.0, 5622.0, 5386.0, 5624.0, 5585.0, 5711.0, 5626.0, 5596.0, 5465.0, 5621.0, 5572.0, 5648.0, 5473.0, 5701.0, 5441.0, 5472.0, 5317.0, 5637.0, 5498.0, 5518.0, 5410.0, 5388.0, 5404.0, 5659.0, 5323.0, 5555.0, 5558.0, 5474.0, 5591.0, 5405.0, 5401.0, 5456.0, 5645.0, 5582.0, 5577.0, 5603.0, 5261.0, 5480.0, 5254.0, 5399.0, 5695.0, 5547.0, 5364.0, 5665.0, 5628.0, 5336.0, 5565.0, 5721.0, 5267.0 (number of hits: 14)
2	5290	9	1	333	1	5581.0, 5412.0, 5446.0, 5601.0, 5689.0, 5387.0, 5562.0, 5609.0, 5668.0, 5331.0, 5507.0, 5336.0, 5587.0, 5287.0, 5381.0, 5678.0, 5714.0, 5654.0, 5391.0, 5355.0, 5390.0, 5395.0, 5606.0, 5308.0, 5508.0, 5595.0, 5262.0, 5329.0, 5535.0, 5586.0, 5280.0, 5645.0, 5588.0, 5434.0, 5577.0, 5713.0, 5294.0, 5582.0, 5509.0, 5517.0, 5623.0, 5473.0, 5692.0, 5326.0, 5311.0, 5724.0, 5481.0, 5479.0, 5367.0, 5368.0, 5325.0, 5511.0, 5442.0, 5384.0, 5663.0, 5630.0, 5296.0, 5374.0, 5268.0, 5594.0, 5567.0, 5638.0, 5382.0, 5426.0, 5385.0, 5644.0, 5353.0, 5619.0, 5305.0, 5573.0, 5472.0, 5608.0, 5258.0, 5691.0, 5496.0, 5679.0, 5470.0, 5292.0, 5518.0, 5575.0, 5359.0, 5570.0, 5593.0, 5425.0, 5338.0, 5474.0, 5688.0, 5598.0, 5556.0, 5401.0, 5317.0, 5542.0, 5576.0, 5261.0, 5450.0, 5323.0, 5559.0, 5340.0, 5578.0, 5330.0 (number of hits: 17)
3	5290	9	1	333	1	5322.0, 5715.0, 5503.0, 5450.0, 5548.0, 5591.0, 5529.0, 5358.0, 5608.0, 5334.0, 5364.0, 5667.0, 5547.0, 5719.0, 5344.0, 5253.0, 5691.0, 5512.0, 5482.0, 5681.0, 5558.0, 5258.0, 5537.0, 5560.0, 5421.0, 5453.0, 5269.0, 5622.0, 5427.0, 5576.0, 5423.0, 5644.0, 5367.0, 5272.0, 5351.0, 5647.0, 5696.0, 5422.0, 5417.0, 5506.0, 5507.0, 5256.0, 5314.0, 5449.0, 5612.0, 5302.0, 5305.0, 5477.0, 5578.0, 5400.0, 5673.0, 5431.0, 5473.0, 5599.0, 5630.0, 5701.0, 5600.0, 5279.0, 5261.0, 5639.0

						5616.0, 5368.0, 5430.0, 5582.0, 5580.0, 5468.0, 5394.0, 5528.0, 5583.0, 5660.0, 5559.0, 5593.0, 5645.0, 5592.0, 5658.0, 5407.0, 5436.0, 5705.0, 5455.0, 5365.0, 5317.0, 5530.0, 5439.0, 5408.0, 5273.0, 5399.0, 5264.0, 5483.0, 5573.0, 5617.0, 5709.0, 5397.0, 5546.0, 5603.0, 5378.0, 5490.0, 5692.0, 5327.0, 5299.0, 5581.0 (number of hits: 16)
4	5290	9	1	333	1	5482.0, 5581.0, 5442.0, 5384.0, 5512.0, 5308.0, 5692.0, 5500.0, 5377.0, 5257.0, 5487.0, 5256.0, 5722.0, 5611.0, 5399.0, 5305.0, 5639.0, 5291.0, 5551.0, 5277.0, 5289.0, 5471.0, 5548.0, 5516.0, 5601.0, 5474.0, 5359.0, 5274.0, 5284.0, 5316.0, 5335.0, 5461.0, 5287.0, 5713.0, 5549.0, 5416.0, 5347.0, 5633.0, 5502.0, 5528.0, 5700.0, 5573.0, 5278.0, 5693.0, 5503.0, 5400.0, 5449.0, 5292.0, 5499.0, 5271.0, 5407.0, 5705.0, 5390.0, 5387.0, 5448.0, 5641.0, 5370.0, 5253.0, 5472.0, 5267.0, 5440.0, 5674.0, 5374.0, 5673.0, 5565.0, 5437.0, 5706.0, 5464.0, 5712.0, 5684.0, 5648.0, 5364.0, 5452.0, 5336.0, 5535.0, 5301.0, 5622.0, 5460.0, 5412.0, 5596.0, 5576.0, 5339.0, 5525.0, 5688.0, 5265.0, 5263.0, 5282.0, 5618.0, 5536.0, 5520.0, 5415.0, 5682.0, 5367.0, 5346.0, 5443.0, 5296.0, 5363.0, 5327.0, 5458.0, 5315.0 (number of hits: 23)
5	5290	9	1	333	1	5252.0, 5452.0, 5539.0, 5393.0, 5681.0, 5724.0, 5333.0, 5597.0, 5412.0, 5643.0, 5301.0, 5290.0, 5476.0, 5517.0, 5436.0, 5467.0, 5346.0, 5327.0, 5690.0, 5677.0, 5460.0, 5528.0, 5509.0, 5696.0, 5650.0, 5325.0, 5713.0, 5591.0, 5627.0, 5699.0, 5706.0, 5629.0, 5363.0, 5324.0, 5326.0, 5647.0, 5360.0, 5352.0, 5605.0, 5576.0, 5417.0, 5303.0, 5530.0, 5264.0, 5411.0, 5403.0, 5286.0, 5519.0, 5384.0, 5646.0, 5505.0, 5570.0, 5340.0, 5660.0, 5398.0, 5451.0, 5687.0, 5367.0, 5331.0, 5607.0, 5369.0, 5475.0, 5497.0, 5625.0, 5652.0, 5444.0, 5275.0, 5468.0, 5439.0, 5559.0, 5613.0, 5566.0, 5649.0, 5562.0, 5391.0, 5302.0, 5542.0, 5357.0, 5292.0, 5662.0, 5582.0, 5717.0, 5601.0, 5626.0, 5642.0, 5365.0, 5415.0, 5622.0, 5255.0, 5470.0, 5498.0, 5507.0, 5271.0, 5431.0, 5421.0, 5378.0, 5721.0, 5666.0, 5380.0, 5329.0 (number of hits: 16)
6	5290	9	1	333	1	5275.0, 5558.0, 5585.0, 5293.0, 5477.0, 5282.0, 5468.0, 5349.0, 5516.0, 5653.0, 5620.0, 5465.0, 5402.0, 5591.0, 5353.0, 5555.0, 5288.0, 5549.0, 5698.0, 5433.0, 5691.0, 5424.0, 5319.0, 5435.0, 5588.0, 5669.0, 5303.0, 5426.0, 5625.0, 5253.0, 5666.0, 5451.0, 5539.0, 5343.0, 5556.0, 5458.0, 5712.0, 5290.0, 5576.0, 5505.0, 5518.0, 5439.0, 5701.0, 5487.0, 5321.0

						5296.0, 5634.0, 5328.0, 5503.0, 5331.0, 5710.0, 5510.0, 5642.0, 5300.0, 5455.0, 5316.0, 5453.0, 5364.0, 5626.0, 5474.0, 5650.0, 5371.0, 5624.0, 5538.0, 5593.0, 5403.0, 5390.0, 5646.0, 5472.0, 5482.0, 5574.0, 5357.0, 5257.0, 5352.0, 5662.0, 5520.0, 5606.0, 5256.0, 5462.0, 5499.0, 5513.0, 5284.0, 5621.0, 5658.0, 5325.0, 5260.0, 5703.0, 5611.0, 5307.0, 5368.0, 5463.0, 5495.0, 5460.0, 5461.0, 5617.0, 5320.0, 5437.0, 5335.0, 5651.0, 5644.0 (number of hits: 20)
7	5290	9	1	333	1	5476.0, 5641.0, 5625.0, 5325.0, 5417.0, 5646.0, 5578.0, 5674.0, 5671.0, 5580.0, 5706.0, 5449.0, 5531.0, 5288.0, 5359.0, 5413.0, 5689.0, 5571.0, 5581.0, 5686.0, 5440.0, 5416.0, 5679.0, 5502.0, 5635.0, 5428.0, 5276.0, 5688.0, 5370.0, 5421.0, 5293.0, 5310.0, 5665.0, 5703.0, 5277.0, 5696.0, 5664.0, 5272.0, 5540.0, 5358.0, 5434.0, 5396.0, 5269.0, 5287.0, 5260.0, 5478.0, 5381.0, 5552.0, 5340.0, 5493.0, 5292.0, 5545.0, 5516.0, 5369.0, 5408.0, 5300.0, 5398.0, 5468.0, 5705.0, 5445.0, 5267.0, 5418.0, 5558.0, 5532.0, 5465.0, 5631.0, 5678.0, 5524.0, 5403.0, 5622.0, 5289.0, 5538.0, 5667.0, 5553.0, 5509.0, 5268.0, 5482.0, 5374.0, 5707.0, 5711.0, 5564.0, 5544.0, 5620.0, 5436.0, 5433.0, 5348.0, 5722.0, 5352.0, 5556.0, 5265.0, 5557.0, 5535.0, 5585.0, 5380.0, 5350.0, 5382.0, 5296.0, 5567.0, 5388.0, 5256.0 (number of hits: 18)
8	5290	9	1	333	1	5309.0, 5368.0, 5553.0, 5369.0, 5522.0, 5660.0, 5623.0, 5627.0, 5565.0, 5435.0, 5561.0, 5340.0, 5602.0, 5681.0, 5694.0, 5315.0, 5524.0, 5422.0, 5659.0, 5543.0, 5360.0, 5720.0, 5525.0, 5357.0, 5425.0, 5299.0, 5601.0, 5483.0, 5418.0, 5391.0, 5689.0, 5392.0, 5679.0, 5382.0, 5361.0, 5370.0, 5285.0, 5371.0, 5466.0, 5492.0, 5562.0, 5712.0, 5486.0, 5684.0, 5704.0, 5320.0, 5654.0, 5345.0, 5444.0, 5620.0, 5421.0, 5651.0, 5317.0, 5286.0, 5514.0, 5303.0, 5587.0, 5668.0, 5438.0, 5385.0, 5497.0, 5282.0, 5503.0, 5323.0, 5581.0, 5550.0, 5577.0, 5399.0, 5306.0, 5347.0, 5592.0, 5588.0, 5325.0, 5528.0, 5710.0, 5284.0, 5535.0, 5539.0, 5552.0, 5640.0, 5276.0, 5289.0, 5401.0, 5569.0, 5449.0, 5687.0, 5593.0, 5566.0, 5515.0, 5534.0, 5481.0, 5509.0, 5257.0, 5461.0, 5261.0, 5446.0, 5448.0, 5714.0, 5628.0, 5292.0 (number of hits: 18)
9	5290	9	1	333	1	5429.0, 5493.0, 5303.0, 5409.0, 5396.0, 5403.0, 5347.0, 5342.0, 5677.0, 5604.0, 5514.0, 5612.0, 5616.0, 5435.0, 5331.0, 5652.0, 5716.0, 5418.0, 5565.0, 5329.0, 5578.0, 5289.0, 5288.0, 5671.0, 5577.0, 5509.0, 5694.0, 5639.0, 5554.0, 5290.0

						5550.0, 5272.0, 5470.0, 5350.0, 5313.0, 5419.0, 5601.0, 5400.0, 5462.0, 5679.0, 5466.0, 5269.0, 5592.0, 5626.0, 5394.0, 5281.0, 5366.0, 5311.0, 5335.0, 5287.0, 5648.0, 5500.0, 5468.0, 5649.0, 5521.0, 5555.0, 5538.0, 5326.0, 5525.0, 5618.0, 5382.0, 5346.0, 5629.0, 5395.0, 5302.0, 5368.0, 5530.0, 5472.0, 5620.0, 5646.0, 5295.0, 5378.0, 5542.0, 5705.0, 5517.0, 5327.0, 5651.0, 5528.0, 5711.0, 5301.0, 5516.0, 5436.0, 5307.0, 5407.0, 5633.0, 5275.0, 5673.0, 5665.0, 5348.0, 5684.0, 5482.0, 5681.0, 5460.0, 5414.0, 5547.0, 5499.0, 5675.0, 5443.0, 5310.0, 5515.0 (number of hits: 19)
10	5290	9	1	333	1	5477.0, 5572.0, 5549.0, 5353.0, 5402.0, 5716.0, 5410.0, 5588.0, 5340.0, 5356.0, 5488.0, 5581.0, 5448.0, 5251.0, 5680.0, 5318.0, 5276.0, 5307.0, 5715.0, 5582.0, 5479.0, 5568.0, 5341.0, 5259.0, 5255.0, 5609.0, 5598.0, 5406.0, 5660.0, 5558.0, 5482.0, 5413.0, 5380.0, 5294.0, 5355.0, 5311.0, 5704.0, 5643.0, 5702.0, 5536.0, 5432.0, 5641.0, 5257.0, 5566.0, 5721.0, 5644.0, 5586.0, 5594.0, 5315.0, 5378.0, 5447.0, 5478.0, 5567.0, 5624.0, 5532.0, 5261.0, 5475.0, 5607.0, 5254.0, 5498.0, 5485.0, 5391.0, 5712.0, 5288.0, 5444.0, 5602.0, 5277.0, 5538.0, 5552.0, 5439.0, 5451.0, 5326.0, 5714.0, 5511.0, 5430.0, 5264.0, 5285.0, 5547.0, 5630.0, 5518.0, 5382.0, 5701.0, 5514.0, 5268.0, 5412.0, 5495.0, 5692.0, 5360.0, 5375.0, 5379.0, 5574.0, 5639.0, 5471.0, 5279.0, 5610.0, 5629.0, 5695.0, 5348.0, 5590.0, 5633.0 (number of hits: 19)
11	5290	9	1	333	1	5708.0, 5525.0, 5418.0, 5265.0, 5443.0, 5320.0, 5312.0, 5600.0, 5310.0, 5330.0, 5252.0, 5582.0, 5284.0, 5551.0, 5548.0, 5671.0, 5347.0, 5529.0, 5578.0, 5606.0, 5532.0, 5553.0, 5402.0, 5516.0, 5510.0, 5595.0, 5723.0, 5328.0, 5472.0, 5482.0, 5621.0, 5539.0, 5449.0, 5285.0, 5710.0, 5409.0, 5340.0, 5359.0, 5276.0, 5612.0, 5332.0, 5333.0, 5366.0, 5287.0, 5632.0, 5637.0, 5558.0, 5602.0, 5556.0, 5697.0, 5534.0, 5416.0, 5485.0, 5675.0, 5684.0, 5634.0, 5283.0, 5364.0, 5338.0, 5357.0, 5643.0, 5566.0, 5623.0, 5477.0, 5331.0, 5469.0, 5455.0, 5501.0, 5523.0, 5535.0, 5663.0, 5303.0, 5268.0, 5592.0, 5466.0, 5533.0, 5552.0, 5567.0, 5587.0, 5367.0, 5722.0, 5656.0, 5321.0, 5568.0, 5494.0, 5344.0, 5554.0, 5707.0, 5258.0, 5253.0, 5712.0, 5452.0, 5586.0, 5499.0, 5619.0, 5384.0, 5573.0, 5679.0, 5720.0, 5390.0 (number of hits: 16)
12	5290	9	1	333	1	5437.0, 5591.0, 5418.0, 5269.0, 5361.0, 5288.0, 5491.0, 5324.0, 5642.0, 5555.0, 5452.0, 5661.0, 5622.0, 5355.0, 5535.0,

						5556.0, 5576.0, 5389.0, 5250.0, 5254.0, 5513.0, 5411.0, 5408.0, 5305.0, 5335.0, 5583.0, 5518.0, 5640.0, 5598.0, 5294.0, 5338.0, 5646.0, 5304.0, 5477.0, 5316.0, 5580.0, 5625.0, 5560.0, 5677.0, 5645.0, 5553.0, 5705.0, 5423.0, 5460.0, 5395.0, 5619.0, 5567.0, 5297.0, 5314.0, 5315.0, 5697.0, 5532.0, 5441.0, 5307.0, 5633.0, 5601.0, 5498.0, 5680.0, 5298.0, 5497.0, 5332.0, 5476.0, 5431.0, 5539.0, 5691.0, 5371.0, 5333.0, 5579.0, 5667.0, 5282.0, 5410.0, 5299.0, 5600.0, 5341.0, 5609.0, 5546.0, 5678.0, 5407.0, 5375.0, 5345.0, 5597.0, 5588.0, 5541.0, 5455.0, 5456.0, 5717.0, 5323.0, 5450.0, 5611.0, 5696.0, 5548.0, 5353.0, 5671.0, 5462.0, 5603.0, 5658.0, 5442.0, 5430.0, 5711.0, 5613.0 (number of hits: 17)
13	5290	9	1	333	1	5304.0, 5428.0, 5535.0, 5251.0, 5527.0, 5462.0, 5536.0, 5715.0, 5716.0, 5439.0, 5310.0, 5495.0, 5610.0, 5563.0, 5349.0, 5639.0, 5283.0, 5494.0, 5431.0, 5420.0, 5324.0, 5459.0, 5518.0, 5703.0, 5514.0, 5388.0, 5386.0, 5520.0, 5555.0, 5356.0, 5673.0, 5463.0, 5539.0, 5400.0, 5652.0, 5449.0, 5270.0, 5306.0, 5630.0, 5505.0, 5293.0, 5553.0, 5329.0, 5671.0, 5482.0, 5348.0, 5653.0, 5397.0, 5273.0, 5415.0, 5491.0, 5657.0, 5267.0, 5644.0, 5709.0, 5266.0, 5582.0, 5327.0, 5681.0, 5418.0, 5271.0, 5343.0, 5363.0, 5662.0, 5276.0, 5292.0, 5516.0, 5454.0, 5498.0, 5714.0, 5529.0, 5438.0, 5513.0, 5588.0, 5469.0, 5295.0, 5391.0, 5371.0, 5458.0, 5565.0, 5533.0, 5300.0, 5250.0, 5648.0, 5577.0, 5522.0, 5643.0, 5274.0, 5642.0, 5425.0, 5578.0, 5718.0, 5622.0, 5380.0, 5679.0, 5549.0, 5436.0, 5302.0, 5393.0, 5427.0 (number of hits: 21)
14	5290	9	1	333	1	5304.0, 5301.0, 5612.0, 5722.0, 5717.0, 5668.0, 5572.0, 5382.0, 5549.0, 5470.0, 5329.0, 5659.0, 5640.0, 5618.0, 5546.0, 5653.0, 5691.0, 5477.0, 5483.0, 5600.0, 5327.0, 5651.0, 5498.0, 5275.0, 5608.0, 5271.0, 5681.0, 5648.0, 5296.0, 5723.0, 5665.0, 5313.0, 5306.0, 5264.0, 5677.0, 5685.0, 5687.0, 5378.0, 5479.0, 5278.0, 5682.0, 5482.0, 5621.0, 5693.0, 5406.0, 5262.0, 5350.0, 5599.0, 5291.0, 5540.0, 5425.0, 5639.0, 5702.0, 5364.0, 5274.0, 5261.0, 5525.0, 5598.0, 5338.0, 5333.0, 5684.0, 5506.0, 5718.0, 5536.0, 5673.0, 5426.0, 5516.0, 5686.0, 5680.0, 5663.0, 5391.0, 5265.0, 5594.0, 5591.0, 5493.0, 5307.0, 5696.0, 5596.0, 5325.0, 5430.0, 5394.0, 5638.0, 5563.0, 5427.0, 5447.0, 5337.0, 5510.0, 5491.0, 5344.0, 5446.0, 5550.0, 5436.0, 5492.0, 5305.0, 5712.0, 5421.0, 5552.0, 5361.0, 5409.0, 5543.0 (number of hits: 19)

15	5290	9	1	333	1	5303.0, 5288.0, 5682.0, 5398.0, 5258.0, 5561.0, 5256.0, 5409.0, 5490.0, 5324.0, 5662.0, 5438.0, 5657.0, 5509.0, 5643.0, 5321.0, 5577.0, 5539.0, 5510.0, 5457.0, 5665.0, 5535.0, 5255.0, 5594.0, 5702.0, 5496.0, 5705.0, 5631.0, 5596.0, 5528.0, 5339.0, 5518.0, 5484.0, 5355.0, 5404.0, 5607.0, 5680.0, 5599.0, 5340.0, 5724.0, 5370.0, 5660.0, 5442.0, 5525.0, 5481.0, 5420.0, 5601.0, 5378.0, 5406.0, 5428.0, 5414.0, 5464.0, 5576.0, 5504.0, 5311.0, 5308.0, 5497.0, 5431.0, 5587.0, 5450.0, 5485.0, 5605.0, 5342.0, 5445.0, 5436.0, 5363.0, 5706.0, 5562.0, 5461.0, 5515.0, 5658.0, 5274.0, 5399.0, 5400.0, 5366.0, 5410.0, 5581.0, 5359.0, 5636.0, 5708.0, 5677.0, 5367.0, 5558.0, 5630.0, 5296.0, 5707.0, 5316.0, 5614.0, 5312.0, 5714.0, 5550.0, 5565.0, 5530.0, 5291.0, 5252.0, 5483.0, 5327.0, 5488.0, 5297.0, 5314.0 (number of hits: 18)
16	5290	9	1	333	1	5682.0, 5358.0, 5304.0, 5341.0, 5307.0, 5463.0, 5619.0, 5582.0, 5280.0, 5451.0, 5564.0, 5637.0, 5723.0, 5541.0, 5317.0, 5254.0, 5349.0, 5411.0, 5641.0, 5342.0, 5335.0, 5333.0, 5394.0, 5632.0, 5278.0, 5711.0, 5639.0, 5362.0, 5257.0, 5567.0, 5420.0, 5720.0, 5607.0, 5534.0, 5374.0, 5684.0, 5283.0, 5670.0, 5508.0, 5575.0, 5386.0, 5253.0, 5631.0, 5365.0, 5658.0, 5484.0, 5499.0, 5338.0, 5306.0, 5555.0, 5449.0, 5399.0, 5465.0, 5406.0, 5328.0, 5705.0, 5578.0, 5387.0, 5390.0, 5434.0, 5592.0, 5422.0, 5489.0, 5544.0, 5591.0, 5401.0, 5589.0, 5393.0, 5559.0, 5345.0, 5501.0, 5696.0, 5429.0, 5527.0, 5385.0, 5323.0, 5605.0, 5698.0, 5472.0, 5357.0, 5279.0, 5566.0, 5314.0, 5379.0, 5604.0, 5716.0, 5626.0, 5494.0, 5454.0, 5645.0, 5378.0, 5502.0, 5319.0, 5485.0, 5276.0, 5492.0, 5343.0, 5433.0, 5633.0, 5525.0 (number of hits: 16)
17	5290	9	1	333	1	5534.0, 5269.0, 5379.0, 5393.0, 5258.0, 5673.0, 5303.0, 5318.0, 5469.0, 5278.0, 5571.0, 5282.0, 5328.0, 5495.0, 5487.0, 5528.0, 5652.0, 5686.0, 5436.0, 5476.0, 5662.0, 5665.0, 5577.0, 5604.0, 5422.0, 5694.0, 5713.0, 5601.0, 5631.0, 5688.0, 5714.0, 5470.0, 5555.0, 5547.0, 5283.0, 5472.0, 5286.0, 5395.0, 5314.0, 5521.0, 5291.0, 5435.0, 5628.0, 5540.0, 5489.0, 5481.0, 5594.0, 5394.0, 5353.0, 5378.0, 5663.0, 5610.0, 5678.0, 5503.0, 5621.0, 5657.0, 5651.0, 5684.0, 5711.0, 5439.0, 5414.0, 5500.0, 5667.0, 5396.0, 5340.0, 5654.0, 5370.0, 5331.0, 5699.0, 5319.0, 5289.0, 5682.0, 5285.0, 5630.0, 5617.0, 5716.0, 5510.0, 5558.0, 5280.0, 5350.0, 5309.0, 5598.0, 5273.0, 5586.0, 5632.0, 5442.0, 5539.0, 5426.0, 5307.0, 5550.0

						5710.0, 5431.0, 5704.0, 5343.0, 5276.0, 5611.0, 5259.0, 5709.0, 5375.0, 5570.0 (number of hits: 20)
18	5290	9	1	333	1	5590.0, 5532.0, 5503.0, 5390.0, 5611.0, 5428.0, 5619.0, 5684.0, 5389.0, 5391.0, 5352.0, 5489.0, 5397.0, 5572.0, 5441.0, 5396.0, 5501.0, 5540.0, 5466.0, 5699.0, 5419.0, 5692.0, 5498.0, 5446.0, 5329.0, 5257.0, 5296.0, 5358.0, 5443.0, 5555.0, 5309.0, 5494.0, 5280.0, 5328.0, 5403.0, 5669.0, 5654.0, 5251.0, 5688.0, 5323.0, 5417.0, 5679.0, 5712.0, 5407.0, 5301.0, 5517.0, 5476.0, 5325.0, 5425.0, 5622.0, 5633.0, 5442.0, 5549.0, 5256.0, 5366.0, 5320.0, 5293.0, 5336.0, 5605.0, 5327.0, 5338.0, 5261.0, 5630.0, 5401.0, 5506.0, 5644.0, 5353.0, 5313.0, 5595.0, 5332.0, 5636.0, 5270.0, 5507.0, 5491.0, 5316.0, 5284.0, 5639.0, 5408.0, 5482.0, 5374.0, 5598.0, 5643.0, 5485.0, 5683.0, 5447.0, 5297.0, 5666.0, 5382.0, 5651.0, 5379.0, 5547.0, 5694.0, 5431.0, 5348.0, 5516.0, 5563.0, 5364.0, 5582.0, 5504.0, 5588.0 (number of hits: 20)
19	5290	9	1	333	1	5582.0, 5307.0, 5371.0, 5562.0, 5672.0, 5406.0, 5538.0, 5679.0, 5287.0, 5271.0, 5370.0, 5493.0, 5441.0, 5678.0, 5266.0, 5652.0, 5416.0, 5368.0, 5279.0, 5660.0, 5487.0, 5415.0, 5655.0, 5682.0, 5323.0, 5420.0, 5535.0, 5681.0, 5579.0, 5485.0, 5269.0, 5566.0, 5508.0, 5280.0, 5480.0, 5523.0, 5715.0, 5642.0, 5318.0, 5688.0, 5712.0, 5348.0, 5476.0, 5584.0, 5377.0, 5444.0, 5510.0, 5587.0, 5260.0, 5325.0, 5447.0, 5680.0, 5344.0, 5570.0, 5341.0, 5471.0, 5418.0, 5372.0, 5467.0, 5488.0, 5361.0, 5303.0, 5446.0, 5292.0, 5516.0, 5381.0, 5691.0, 5484.0, 5261.0, 5701.0, 5604.0, 5405.0, 5278.0, 5687.0, 5709.0, 5625.0, 5517.0, 5640.0, 5369.0, 5300.0, 5700.0, 5524.0, 5334.0, 5333.0, 5719.0, 5343.0, 5452.0, 5575.0, 5617.0, 5717.0, 5295.0, 5513.0, 5641.0, 5402.0, 5663.0, 5306.0, 5316.0, 5659.0, 5624.0, 5358.0 (number of hits: 19)
20	5290	9	1	333	1	5493.0, 5345.0, 5611.0, 5395.0, 5608.0, 5381.0, 5340.0, 5471.0, 5408.0, 5440.0, 5337.0, 5349.0, 5567.0, 5693.0, 5698.0, 5368.0, 5587.0, 5575.0, 5481.0, 5412.0, 5332.0, 5669.0, 5637.0, 5686.0, 5666.0, 5477.0, 5422.0, 5555.0, 5655.0, 5593.0, 5677.0, 5303.0, 5448.0, 5516.0, 5411.0, 5252.0, 5347.0, 5609.0, 5632.0, 5465.0, 5472.0, 5275.0, 5364.0, 5433.0, 5679.0, 5542.0, 5469.0, 5519.0, 5517.0, 5704.0, 5631.0, 5258.0, 5640.0, 5386.0, 5398.0, 5466.0, 5264.0, 5521.0, 5616.0, 5490.0, 5610.0, 5506.0, 5549.0, 5615.0, 5627.0, 5405.0, 5290.0, 5289.0, 5256.0, 5543.0, 5267.0, 5284.0, 5352.0, 5643.0, 5622.0,

						5598.0, 5634.0, 5503.0, 5629.0, 5435.0, 5292.0, 5357.0, 5441.0, 5569.0, 5525.0, 5557.0, 5283.0, 5420.0, 5271.0, 5455.0, 5707.0, 5511.0, 5624.0, 5431.0, 5678.0, 5488.0, 5596.0, 5534.0, 5315.0, 5580.0 (number of hits: 14)
21	5290	9	1	333	1	5262.0, 5382.0, 5628.0, 5576.0, 5565.0, 5645.0, 5410.0, 5561.0, 5370.0, 5557.0, 5721.0, 5563.0, 5515.0, 5528.0, 5346.0, 5529.0, 5333.0, 5626.0, 5332.0, 5375.0, 5619.0, 5522.0, 5273.0, 5517.0, 5467.0, 5635.0, 5390.0, 5255.0, 5542.0, 5254.0, 5344.0, 5335.0, 5666.0, 5674.0, 5363.0, 5695.0, 5646.0, 5430.0, 5579.0, 5278.0, 5395.0, 5414.0, 5404.0, 5426.0, 5300.0, 5647.0, 5639.0, 5602.0, 5475.0, 5348.0, 5286.0, 5441.0, 5397.0, 5457.0, 5408.0, 5691.0, 5274.0, 5374.0, 5456.0, 5474.0, 5499.0, 5310.0, 5697.0, 5299.0, 5705.0, 5711.0, 5688.0, 5498.0, 5272.0, 5648.0, 5419.0, 5477.0, 5287.0, 5293.0, 5665.0, 5393.0, 5428.0, 5531.0, 5572.0, 5329.0, 5420.0, 5413.0, 5306.0, 5321.0, 5536.0, 5400.0, 5612.0, 5266.0, 5677.0, 5694.0, 5672.0, 5294.0, 5687.0, 5451.0, 5385.0, 5423.0, 5387.0, 5685.0, 5252.0, 5447.0 (number of hits: 19)
22	5290	9	1	333	1	5395.0, 5440.0, 5576.0, 5280.0, 5651.0, 5430.0, 5543.0, 5507.0, 5594.0, 5534.0, 5639.0, 5460.0, 5603.0, 5441.0, 5520.0, 5490.0, 5480.0, 5693.0, 5588.0, 5459.0, 5254.0, 5358.0, 5339.0, 5563.0, 5342.0, 5677.0, 5586.0, 5416.0, 5682.0, 5348.0, 5346.0, 5668.0, 5597.0, 5708.0, 5287.0, 5509.0, 5295.0, 5329.0, 5296.0, 5522.0, 5621.0, 5617.0, 5474.0, 5388.0, 5367.0, 5553.0, 5489.0, 5700.0, 5415.0, 5533.0, 5294.0, 5338.0, 5432.0, 5398.0, 5400.0, 5281.0, 5491.0, 5484.0, 5343.0, 5417.0, 5611.0, 5625.0, 5609.0, 5523.0, 5257.0, 5577.0, 5562.0, 5626.0, 5592.0, 5519.0, 5515.0, 5550.0, 5435.0, 5720.0, 5263.0, 5332.0, 5426.0, 5314.0, 5685.0, 5664.0, 5485.0, 5464.0, 5429.0, 5618.0, 5510.0, 5291.0, 5703.0, 5266.0, 5421.0, 5402.0, 5442.0, 5544.0, 5719.0, 5503.0, 5537.0, 5472.0, 5712.0, 5360.0, 5521.0, 5633.0 (number of hits: 13)
23	5290	9	1	333	1	5256.0, 5544.0, 5486.0, 5346.0, 5712.0, 5701.0, 5367.0, 5307.0, 5494.0, 5663.0, 5404.0, 5366.0, 5686.0, 5643.0, 5468.0, 5651.0, 5472.0, 5253.0, 5658.0, 5412.0, 5285.0, 5543.0, 5557.0, 5311.0, 5413.0, 5427.0, 5296.0, 5528.0, 5275.0, 5696.0, 5330.0, 5350.0, 5627.0, 5644.0, 5496.0, 5318.0, 5375.0, 5709.0, 5574.0, 5446.0, 5301.0, 5269.0, 5478.0, 5484.0, 5692.0, 5438.0, 5590.0, 5441.0, 5341.0, 5294.0, 5258.0, 5329.0, 5631.0, 5681.0, 5617.0, 5545.0, 5434.0, 5715.0, 5354.0, 5338.0

						5600.0, 5493.0, 5437.0, 5267.0, 5662.0, 5282.0, 5407.0, 5297.0, 5599.0, 5635.0, 5317.0, 5342.0, 5348.0, 5388.0, 5654.0, 5660.0, 5281.0, 5384.0, 5598.0, 5255.0, 5596.0, 5504.0, 5668.0, 5485.0, 5424.0, 5697.0, 5422.0, 5482.0, 5605.0, 5513.0, 5425.0, 5415.0, 5707.0, 5546.0, 5272.0, 5533.0, 5566.0, 5431.0, 5339.0, 5679.0 (number of hits: 20)
24	5290	9	1	333	1	5624.0, 5654.0, 5659.0, 5663.0, 5473.0, 5640.0, 5303.0, 5541.0, 5477.0, 5293.0, 5639.0, 5644.0, 5307.0, 5453.0, 5396.0, 5711.0, 5685.0, 5715.0, 5410.0, 5716.0, 5369.0, 5562.0, 5700.0, 5668.0, 5509.0, 5264.0, 5710.0, 5351.0, 5346.0, 5388.0, 5516.0, 5341.0, 5568.0, 5467.0, 5723.0, 5416.0, 5260.0, 5500.0, 5447.0, 5361.0, 5445.0, 5693.0, 5542.0, 5554.0, 5615.0, 5253.0, 5718.0, 5671.0, 5262.0, 5635.0, 5709.0, 5324.0, 5427.0, 5543.0, 5643.0, 5641.0, 5340.0, 5591.0, 5267.0, 5292.0, 5359.0, 5302.0, 5440.0, 5575.0, 5402.0, 5682.0, 5332.0, 5474.0, 5254.0, 5603.0, 5506.0, 5399.0, 5565.0, 5391.0, 5680.0, 5463.0, 5288.0, 5598.0, 5698.0, 5687.0, 5415.0, 5331.0, 5684.0, 5457.0, 5390.0, 5673.0, 5717.0, 5595.0, 5576.0, 5706.0, 5563.0, 5605.0, 5252.0, 5443.0, 5431.0, 5608.0, 5660.0, 5325.0, 5275.0, 5271.0 (number of hits: 17)
25	5290	9	1	333	1	5332.0, 5406.0, 5333.0, 5305.0, 5715.0, 5664.0, 5398.0, 5281.0, 5261.0, 5633.0, 5260.0, 5375.0, 5539.0, 5712.0, 5385.0, 5668.0, 5525.0, 5705.0, 5608.0, 5374.0, 5682.0, 5507.0, 5636.0, 5321.0, 5354.0, 5411.0, 5514.0, 5442.0, 5658.0, 5640.0, 5347.0, 5557.0, 5607.0, 5567.0, 5588.0, 5403.0, 5681.0, 5573.0, 5694.0, 5441.0, 5399.0, 5555.0, 5428.0, 5509.0, 5389.0, 5652.0, 5556.0, 5659.0, 5450.0, 5335.0, 5356.0, 5672.0, 5446.0, 5262.0, 5404.0, 5277.0, 5467.0, 5274.0, 5660.0, 5585.0, 5391.0, 5708.0, 5470.0, 5443.0, 5612.0, 5478.0, 5628.0, 5711.0, 5559.0, 5339.0, 5264.0, 5532.0, 5515.0, 5474.0, 5582.0, 5583.0, 5436.0, 5684.0, 5272.0, 5295.0, 5401.0, 5512.0, 5646.0, 5455.0, 5430.0, 5343.0, 5353.0, 5716.0, 5714.0, 5589.0, 5362.0, 5632.0, 5344.0, 5544.0, 5345.0, 5666.0, 5417.0, 5423.0, 5265.0, 5290.0 (number of hits: 13)
26	5290	9	1	333	1	5625.0, 5261.0, 5406.0, 5269.0, 5696.0, 5607.0, 5449.0, 5296.0, 5539.0, 5399.0, 5282.0, 5459.0, 5385.0, 5451.0, 5652.0, 5302.0, 5532.0, 5392.0, 5310.0, 5516.0, 5342.0, 5355.0, 5308.0, 5284.0, 5256.0, 5703.0, 5297.0, 5395.0, 5702.0, 5264.0, 5669.0, 5690.0, 5447.0, 5277.0, 5545.0, 5263.0, 5551.0, 5450.0, 5433.0, 5567.0, 5502.0, 5346.0, 5559.0, 5356.0, 5549.0

						5418.0, 5546.0, 5354.0, 5443.0, 5606.0, 5521.0, 5698.0, 5347.0, 5464.0, 5421.0, 5345.0, 5684.0, 5489.0, 5687.0, 5636.0, 5578.0, 5560.0, 5723.0, 5529.0, 5393.0, 5615.0, 5437.0, 5293.0, 5274.0, 5721.0, 5426.0, 5596.0, 5507.0, 5552.0, 5572.0, 5442.0, 5542.0, 5576.0, 5643.0, 5692.0, 5630.0, 5288.0, 5599.0, 5294.0, 5677.0, 5504.0, 5564.0, 5465.0, 5413.0, 5656.0, 5707.0, 5382.0, 5555.0, 5332.0, 5349.0, 5569.0, 5520.0, 5510.0, 5320.0, 5430.0 (number of hits: 18)
27	5290	9	1	333	1	5609.0, 5593.0, 5473.0, 5283.0, 5384.0, 5516.0, 5272.0, 5549.0, 5442.0, 5506.0, 5316.0, 5616.0, 5684.0, 5453.0, 5270.0, 5431.0, 5323.0, 5417.0, 5445.0, 5722.0, 5252.0, 5454.0, 5587.0, 5334.0, 5344.0, 5464.0, 5277.0, 5709.0, 5589.0, 5347.0, 5686.0, 5563.0, 5390.0, 5665.0, 5493.0, 5449.0, 5515.0, 5654.0, 5310.0, 5657.0, 5584.0, 5254.0, 5696.0, 5353.0, 5345.0, 5567.0, 5374.0, 5293.0, 5378.0, 5471.0, 5263.0, 5337.0, 5575.0, 5705.0, 5295.0, 5480.0, 5450.0, 5477.0, 5292.0, 5712.0, 5291.0, 5466.0, 5391.0, 5551.0, 5408.0, 5667.0, 5331.0, 5352.0, 5358.0, 5389.0, 5559.0, 5309.0, 5410.0, 5586.0, 5327.0, 5662.0, 5591.0, 5447.0, 5650.0, 5641.0, 5276.0, 5707.0, 5388.0, 5376.0, 5711.0, 5692.0, 5644.0, 5359.0, 5690.0, 5635.0, 5303.0, 5419.0, 5320.0, 5660.0, 5615.0, 5527.0, 5372.0, 5632.0, 5375.0, 5701.0 (number of hits: 19)
28	5290	9	1	333	1	5694.0, 5607.0, 5418.0, 5658.0, 5645.0, 5273.0, 5450.0, 5604.0, 5493.0, 5293.0, 5278.0, 5506.0, 5558.0, 5592.0, 5536.0, 5417.0, 5664.0, 5471.0, 5328.0, 5479.0, 5373.0, 5665.0, 5654.0, 5406.0, 5650.0, 5494.0, 5568.0, 5546.0, 5272.0, 5453.0, 5631.0, 5681.0, 5503.0, 5271.0, 5530.0, 5649.0, 5425.0, 5602.0, 5622.0, 5638.0, 5257.0, 5512.0, 5553.0, 5719.0, 5487.0, 5630.0, 5300.0, 5330.0, 5708.0, 5375.0, 5318.0, 5700.0, 5372.0, 5674.0, 5629.0, 5575.0, 5429.0, 5586.0, 5356.0, 5469.0, 5690.0, 5341.0, 5398.0, 5551.0, 5578.0, 5464.0, 5547.0, 5399.0, 5415.0, 5616.0, 5377.0, 5475.0, 5276.0, 5612.0, 5680.0, 5332.0, 5357.0, 5670.0, 5301.0, 5432.0, 5346.0, 5684.0, 5594.0, 5392.0, 5668.0, 5308.0, 5339.0, 5407.0, 5599.0, 5702.0, 5449.0, 5669.0, 5648.0, 5580.0, 5482.0, 5393.0, 5436.0, 5701.0, 5632.0, 5587.0 (number of hits: 12)
29	5290	9	1	333	1	5447.0, 5553.0, 5550.0, 5527.0, 5346.0, 5472.0, 5477.0, 5573.0, 5353.0, 5609.0, 5700.0, 5529.0, 5683.0, 5503.0, 5342.0, 5493.0, 5548.0, 5562.0, 5593.0, 5502.0, 5438.0, 5443.0, 5714.0, 5524.0, 5377.0, 5474.0, 5569.0, 5613.0, 5322.0, 5259.0

						5457.0, 5574.0, 5455.0, 5709.0, 5618.0, 5254.0, 5621.0, 5444.0, 5456.0, 5647.0, 5497.0, 5584.0, 5316.0, 5488.0, 5679.0, 5409.0, 5330.0, 5280.0, 5298.0, 5267.0, 5300.0, 5665.0, 5555.0, 5401.0, 5518.0, 5605.0, 5344.0, 5281.0, 5475.0, 5334.0, 5626.0, 5293.0, 5329.0, 5654.0, 5715.0, 5372.0, 5525.0, 5539.0, 5541.0, 5471.0, 5340.0, 5412.0, 5582.0, 5312.0, 5373.0, 5402.0, 5374.0, 5399.0, 5561.0, 5453.0, 5577.0, 5404.0, 5484.0, 5572.0, 5565.0, 5656.0, 5294.0, 5406.0, 5324.0, 5721.0, 5445.0, 5479.0, 5363.0, 5362.0, 5464.0, 5266.0, 5563.0, 5681.0, 5672.0, 5564.0 (number of hits: 15)
30	5290	9	1	333	1	5500.0, 5309.0, 5505.0, 5440.0, 5644.0, 5721.0, 5461.0, 5556.0, 5453.0, 5681.0, 5598.0, 5702.0, 5368.0, 5715.0, 5323.0, 5670.0, 5337.0, 5427.0, 5372.0, 5653.0, 5690.0, 5339.0, 5667.0, 5473.0, 5550.0, 5393.0, 5382.0, 5659.0, 5294.0, 5314.0, 5616.0, 5630.0, 5454.0, 5443.0, 5676.0, 5398.0, 5617.0, 5270.0, 5373.0, 5569.0, 5367.0, 5526.0, 5432.0, 5572.0, 5553.0, 5686.0, 5517.0, 5259.0, 5516.0, 5679.0, 5447.0, 5334.0, 5643.0, 5324.0, 5691.0, 5645.0, 5489.0, 5619.0, 5490.0, 5662.0, 5287.0, 5582.0, 5597.0, 5304.0, 5396.0, 5404.0, 5608.0, 5416.0, 5700.0, 5648.0, 5592.0, 5584.0, 5452.0, 5433.0, 5417.0, 5583.0, 5716.0, 5470.0, 5312.0, 5411.0, 5607.0, 5632.0, 5543.0, 5362.0, 5485.0, 5273.0, 5278.0, 5570.0, 5620.0, 5357.0, 5541.0, 5614.0, 5298.0, 5251.0, 5403.0, 5561.0, 5305.0, 5359.0, 5418.0, 5328.0 (number of hits: 16)

5500 MHz, 20 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	86.7 %	60%	Pass
Type 3	30	100 %	60%	Pass
Type 4	30	90 %	60%	Pass
Aggregate (Type1 to 4)	120	90.8 %	80%	Pass
Type 5	30	96.7 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

Table-1A/1B Radar Type 1A/1B Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5491	83	1	638	1
2	5491	76	1	698	1
3	5491	102	1	518	1
4	5491	81	1	658	1
5	5491	68	1	778	1
6	5500	89	1	598	1
7	5500	86	1	618	1
8	5500	62	1	858	1
9	5500	72	1	738	1
10	5500	78	1	678	1
11	5510	58	1	918	1
12	5510	95	1	558	1
13	5510	70	1	758	1
14	5510	59	1	898	1
15	5510	74	1	718	1
16	5491	21	1	2527	1
17	5491	38	1	1414	1
18	5491	60	1	892	1
19	5491	25	1	2190	1
20	5491	20	1	2770	1
21	5500	22	1	2426	1
22	5500	21	1	2518	1
23	5500	21	1	2568	1
24	5500	70	1	764	1
25	5500	71	1	746	1
26	5510	24	1	2236	1
27	5510	29	1	1821	1
28	5510	77	1	690	1
29	5510	21	1	2531	1
30	5510	21	1	2562	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5491	23	1.1	195	1
2	5491	27	1.7	208	1
3	5491	29	1.1	229	1
4	5491	25	1.5	156	1
5	5491	28	2.6	158	1
6	5491	29	4.1	161	0
7	5491	28	4.2	212	1
8	5491	23	3	150	1
9	5491	25	2.5	175	1
10	5491	23	1.6	151	1
11	5500	29	1.8	221	1
12	5500	23	5	165	1
13	5500	27	2.9	198	1
14	5500	25	5	206	1
15	5500	24	3.4	197	0
16	5500	25	2.2	224	1
17	5500	23	1.8	229	1
18	5500	25	4.9	206	1
19	5500	24	2.8	205	1
20	5500	28	1.4	174	1
21	5510	29	5	174	1
22	5510	29	4.3	229	0
23	5510	24	4.9	207	1
24	5510	29	2.5	161	1
25	5510	25	4.2	219	0
26	5510	25	2.7	214	1
27	5510	27	1.3	183	1
28	5510	23	1.3	152	1
29	5510	28	1.5	157	1
30	5510	23	3.6	184	1
Detection Percentage: 86.7 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5491	17	9.8	480	1
2	5491	18	9.2	213	1
3	5491	18	6.3	402	1
4	5491	17	7.1	236	1
5	5491	16	6.1	385	1
6	5491	17	8.9	410	1
7	5491	16	8.1	321	1
8	5491	17	6.6	412	1
9	5491	17	8.7	398	1
10	5491	18	9.8	207	1
11	5500	16	9.3	464	1
12	5500	17	7.1	362	1
13	5500	17	6.8	386	1
14	5500	16	8.3	230	1
15	5500	18	9.6	362	1
16	5500	17	8.7	431	1
17	5500	18	6.5	462	1
18	5500	17	6.8	243	1
19	5500	18	8.5	233	1
20	5500	16	9.6	313	1
21	5510	18	9.5	444	1
22	5510	16	7.9	380	1
23	5510	18	9	456	1
24	5510	16	6.8	430	1
25	5510	18	7.8	212	1
26	5510	17	6.4	227	1
27	5510	16	8.5	320	1
28	5510	16	9.8	467	1
29	5510	16	8.9	437	1
30	5510	16	9.8	443	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5491	14	15.9	309	1
2	5491	13	12	326	1
3	5491	16	17.6	306	1
4	5491	15	17.2	209	0
5	5491	16	11.6	293	1
6	5491	12	16.4	325	1
7	5491	12	15.5	481	1
8	5491	16	13.1	456	1
9	5491	15	19.6	276	1
10	5491	16	12.8	474	1
11	5500	15	13	228	1
12	5500	14	15.3	439	1
13	5500	13	18.9	359	1
14	5500	13	16.7	312	1
15	5500	15	14.6	386	1
16	5500	12	11.7	234	1
17	5500	14	12.2	363	0
18	5500	15	17.5	342	1
19	5500	16	19.2	359	1
20	5500	14	19.3	262	1
21	5510	15	16	214	1
22	5510	16	19.1	268	1
23	5510	12	14.7	332	0
24	5510	16	14.9	344	1
25	5510	12	18.4	403	1
26	5510	14	15.8	282	1
27	5510	13	13.1	465	1
28	5510	12	14.4	446	1
29	5510	13	11.8	461	1
30	5510	13	18.8	377	1
Detection Percentage: 90 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5500	1
2	5500	1
3	5500	1
4	5500	1
5	5500	0
6	5500	1
7	5500	1
8	5500	1
9	5500	1
10	5500	1
11	5494.0	1
12	5497.6	1
13	5494.4	1
14	5492.8	1
15	5492.0	1
16	5494.4	1
17	5493.2	1
18	5497.2	1
19	5492.4	1
20	5495.6	1
21	5504.0	1
22	5506.8	1
23	5502.0	1
24	5502.8	1
25	5502.4	1
26	5504.8	1
27	5506.4	1
28	5506.8	1
29	5502.8	1
30	5506.0	1
Detection Percentage: 96.7 % (>80%)		

Bin5 Statistics 1

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	74.4	1699	1370	0.114456	1
1	3	8	56.6	1250	1104	1.039426	
2	1	8	98.3			1.671049	
3	1	8	82.1			2.536269	
4	3	8	53.6	1350	1109	2.882397	
5	2	8	90.6	1179		3.658109	
6	3	8	68.1	1388	1517	4.63966	
7	1	8	71.4			5.144254	
8	2	8	65.8	1894		6.210676	
9	2	8	85.5	1875		6.6286	
10	2	8	77.6	1870		7.272659	
11	2	8	63.7	1255		8.459347	
12	3	8	89	1383	1935	8.590753	
13	1	8	64.4			9.751383	
14	1	8	66			10.406918	
15	3	8	80.2	1091	1202	10.777739	
16	2	8	94.7	1518		11.940989	

Bin5 Statistics 2

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	90.6	1157		0.56701	1
1	2	7	50.8	1489		1.079332	
2	2	7	90	1662		1.701846	
3	2	7	81.8	1680		2.018789	
4	2	7	91.2	1937		2.964165	
5	2	7	62.7	1243		3.06326	
6	2	7	62.8	1424		3.602053	
7	1	7	94.9			4.241485	
8	2	7	75.5	1327		5.120973	
9	3	7	53.8	1724	1133	5.786087	
10	2	7	76.8	1918		6.410955	
11	1	7	78.9			7.186168	
12	2	7	61.4	1167		7.569562	
13	2	7	52.3	1652		8.200524	
14	1	7	65.9			8.932867	
15	2	7	62.9	1601		9.07809	
16	2	7	89.9	1498		9.920779	
17	2	7	83	1092		10.493136	
18	2	7	52.4	1317		10.831816	

Bin5 Statistics 3

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	90.7	1701	1054	0.945874	1
1	1	14	97.4			1.530871	
2	2	14	98.5	1941		2.582871	
3	1	14	70.6			3.604244	
4	2	14	98.9	1189		5.009513	
5	1	14	87.3			6.776885	
6	2	14	65.9	1574		8.067028	
7	2	14	85.3	1389		8.967141	
8	3	14	70.6	1066	1369	10.722829	
9	1	14	64.7			11.707525	

Bin5 Statistics 4

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	58.4			0.531019	1
1	1	11	71.1			0.679543	
2	2	11	65	1381		1.575498	
3	1	11	84.1			2.505209	
4	2	11	59.1	1378		2.595029	
5	2	11	53.1	1520		3.498477	
6	1	11	64.6			3.791998	
7	2	11	97.8	1387		4.560367	
8	3	11	56.4	1031	1072	5.152821	
9	2	11	80.3	1050		6.053138	
10	1	11	78.2			6.777715	
11	1	11	86.8			7.195075	
12	2	11	67	1084		7.656467	
13	3	11	83.2	1154	1095	8.775694	
14	3	11	83.5	1972	1881	9.120938	
15	3	11	98.2	1179	1950	9.543143	
16	2	11	68.5	1712		10.350156	
17	2	11	67.5	1371		10.835725	
18	2	11	51.4	1011		11.988269	

Bin5 Statistics 5

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	98.6	1758		0.580289	0
1	2	13	89.1	1255		1.336913	
2	2	13	85.8	1125		2.918208	
3	1	13	83.5			4.259852	
4	2	13	59.1	1051		4.667831	
5	1	13	70.4			5.682208	
6	2	13	94	1370		6.826279	
7	2	13	63.4	1283		7.943077	
8	2	13	66.7	1579		9.117172	
9	2	13	66.4	1428		10.037159	
10	2	13	86.5	1965		10.958813	

Bin5 Statistics 6

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	1027		0.295019	1
1	1	15	50.9			1.379513	
2	2	15	70.2	1246		2.670986	
3	2	15	76.7	1963		3.731133	
4	1	15	86.6			4.018366	
5	1	15	74.8			5.374587	
6	2	15	67.2	1388		6.906968	
7	2	15	51.1	1593		7.18909	
8	2	15	58.1	1803		8.559213	
9	2	15	72.7	1648		9.058593	
10	2	15	52.9	1341		10.036148	
11	1	15	95			11.339725	

Bin5 Statistics 7

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	72.4	1228	1547	0.922398	1
1	3	12	76.5	1778	1279	1.651946	
2	2	12	88.6	1846		2.44513	
3	3	12	70.9	1879	1901	3.110371	
4	1	12	74.8			4.926539	
5	2	12	83.8	1975		5.015176	
6	1	12	80.9			6.706954	
7	2	12	79.8	1123		7.730657	
8	1	12	71.1			8.393993	
9	3	12	97.5	1766	1573	9.031248	
10	3	12	55.3	1568	1586	10.879047	
11	3	12	58.9	1251	1343	11.6938	

Bin5 Statistics 8

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	80.4	1410		0.719552	1
1	2	7	64.8	1380		1.508286	
2	2	7	64.5	1536		1.837535	
3	1	7	70.1			3.01089	
4	2	7	77.3	1130		3.929377	
5	1	7	76.9			4.261785	
6	3	7	90.9	1460	1637	5.52305	
7	2	7	56.2	1466		6.371906	
8	2	7	89.4	1632		6.542964	
9	2	7	68.9	1649		7.902999	
10	3	7	95.8	1862	1946	8.586004	
11	1	7	70.1			8.984838	
12	3	7	52.6	1445	1900	10.150768	
13	2	7	63.5	1558		10.771325	
14	3	7	61.5	1419	1270	11.485932	

Bin5 Statistics 9

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	89.2			0.558785	1
1	2	8	85.5	1063		0.766238	
2	2	8	69	1748		1.609151	
3	1	8	84			1.858003	
4	3	8	62.3	1825	1130	2.48116	
5	1	8	76.5			3.408221	
6	2	8	93.6	1796		3.665809	
7	1	8	96.7			4.648229	
8	2	8	65.8	1727		5.195299	
9	1	8	96.3			5.967066	
10	3	8	64.9	1135	1418	6.593528	
11	2	8	62.6	1259		6.634355	
12	1	8	92.9			7.215983	
13	3	8	87.2	1828	1374	8.021022	
14	2	8	95.2	1364		8.851205	
15	1	8	51.8			9.031745	
16	2	8	64.2	1184		9.813162	
17	3	8	59.3	1023	1220	10.719403	
18	1	8	70.4			10.863167	
19	2	8	62.7	1439		11.805079	

Bin5 Statistics 10

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	50.9	1236		0.019707	1
1	3	15	76.4	1896	1748	0.986628	
2	1	15	66.6			2.037651	
3	1	15	79.1			2.647809	
4	2	15	61.2	1245		3.26196	
5	2	15	89.5	1327		3.629602	
6	1	15	58.3			4.376362	
7	1	15	65.1			5.294974	
8	1	15	66.4			6.147493	
9	3	15	82.9	1687	1244	6.608238	
10	2	15	81.3	1156		7.093983	
11	2	15	64.4	1822		8.220633	
12	2	15	52	1282		8.498248	
13	2	15	70	1201		9.635161	
14	1	15	74.8			9.909285	
15	2	15	74.1	1359		10.785008	
16	1	15	83.9			11.680242	

Bin5 Statistics 11

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	52.4	1285		0.841831	1
1	3	10	53.1	1068	1838	1.117371	
2	1	10	59			1.904237	
3	2	10	76.3	1185		2.963402	
4	3	10	66.6	1699	1491	3.962767	
5	2	10	96.5	1582		5.233721	
6	3	10	99.3	1673	1302	6.16396	
7	1	10	91.6			7.141188	
8	2	10	65.7	1085		8.026633	
9	2	10	54	1112		8.850763	
10	2	10	99.3	1882		9.883676	
11	3	10	94.5	1270	1786	10.892954	
12	1	10	71.6			11.673443	

Bin5 Statistics 12

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	85.7	1732	1886	0.370534	1
1	2	19	62.4	1124		1.365764	
2	2	19	52.1	1383		2.224847	
3	1	19	57			3.707225	
4	1	19	68.3			5.294163	
5	2	19	91.1	1095		6.120933	
6	3	19	78.9	1454	1526	6.906124	
7	3	19	96.3	1406	1650	7.926271	
8	2	19	79.5	1198		9.12453	
9	3	19	63.2	1151	1087	10.45279	
10	1	19	79.5			11.523789	

Bin5 Statistics 13

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	90.4	1055		0.139581	1
1	3	11	69.8	1108	1616	0.967458	
2	3	11	91.3	1900	1363	1.397646	
3	3	11	84.9	1306	1736	1.97192	
4	2	11	61.3	1541		2.810986	
5	1	11	73.6			3.209866	
6	3	11	68.1	1709	1386	4.061704	
7	2	11	82.3	1248		4.899971	
8	1	11	89.8			5.146146	
9	2	11	62.5	1328		5.815496	
10	2	11	78.2	1489		6.396195	
11	3	11	80.1	1222	1560	7.472842	
12	3	11	62.6	1975	1569	7.66679	
13	2	11	50.5	1275		8.541781	
14	2	11	63.5	1497		9.262991	
15	3	11	74.2	1843	1160	10.094788	
16	2	11	79.2	1192		10.644092	
17	3	11	57.5	1456	1716	10.83533	
18	3	11	80.8	1590	1727	11.845412	

Bin5 Statistics 14

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	50.9	1469	1539	0.393596	1
1	2	7	67.4	1698		0.956742	
2	3	7	75.6	1785	1304	1.630018	
3	2	7	50.1	1096		2.650243	
4	2	7	92.7	1505		2.99508	
5	3	7	88.8	1098	1466	4.199553	
6	1	7	68.3			4.607799	
7	2	7	54.9	1068		5.158524	
8	2	7	68	1679		6.26306	
9	3	7	90.7	1045	1257	6.751475	
10	3	7	66.5	1684	1205	7.718591	
11	1	7	58.4			8.360987	
12	2	7	73.1	1722		8.781913	
13	1	7	99.1			9.21396	
14	2	7	76.5	1904		9.986635	
15	1	7	83.7			10.885834	
16	1	7	77.8			11.968057	

Bin5 Statistics 15

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	54.6			0.540164	1
1	3	5	59.9	1095	1411	1.834985	
2	2	5	51.8	1770		2.217285	
3	3	5	59.7	1857	1742	3.490523	
4	2	5	69.6	1364		4.783153	
5	1	5	93.6			5.06212	
6	3	5	87.3	1233	1221	6.313222	
7	1	5	73.7			7.879475	
8	2	5	82.8	1986		8.17075	
9	2	5	90.6	1059		9.228958	
10	2	5	62.8	1446		10.607164	
11	1	5	92.5			11.580383	

Bin5 Statistics 16

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	60.1	1921		0.75692	1
1	2	11	65	1075		0.814782	
2	2	11	99.5	1448		1.886322	
3	3	11	86	1983	1360	2.775464	
4	2	11	78.2	1379		3.943291	
5	2	11	69.3	1111		4.147469	
6	2	11	80.1	1972		5.595552	
7	2	11	87.3	1791		5.856963	
8	2	11	83	1168		7.13801	
9	2	11	93.4	1964		7.258291	
10	3	11	51	1994	1530	8.246851	
11	2	11	99.9	1506		9.427097	
12	2	11	83.6	1176		9.712188	
13	2	11	71.8	1401		10.914749	
14	2	11	96.3	1227		11.583466	

Bin5 Statistics 17

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	96.6	1963		0.013929	1
1	3	8	52.5	1944	1504	1.718849	
2	2	8	57.9	1055		2.263522	
3	2	8	77	1835		3.691245	
4	2	8	50.1	1432		4.873259	
5	2	8	94.3	1079		5.570785	
6	2	8	85.2	1069		6.054667	
7	2	8	98.8	1479		7.720361	
8	3	8	58.9	1401	1868	8.644245	
9	3	8	56.4	1711	1020	9.959896	
10	2	8	88.2	1994		10.838682	
11	2	8	65.2	1835		11.758721	

Bin5 Statistics 18

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	93.9			0.607242	1
1	2	18	76.9	1801		1.336652	
2	3	18	70.7	1263	1933	2.889248	
3	2	18	91.9	1912		3.388497	
4	1	18	51.9			4.640212	
5	1	18	89.7			5.186438	
6	2	18	98.5	1767		6.33184	
7	1	18	74			7.245693	
8	2	18	75.4	1701		8.199554	
9	2	18	71.4	1420		9.631738	
10	2	18	96.6	1086		10.265781	
11	2	18	80.8	1575		11.163992	

Bin5 Statistics 19

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	97.6	1371		0.457879	1
1	1	6	86.7			0.840026	
2	3	6	50.7	1873	1243	1.672111	
3	1	6	70.5			2.604012	
4	1	6	50.4			3.358636	
5	2	6	78.9	1878		4.300537	
6	3	6	66.3	1853	1460	4.977909	
7	1	6	56.9			5.786959	
8	1	6	65.4			6.484834	
9	2	6	73.4	1030		7.690867	
10	1	6	65.1			8.441843	
11	3	6	70.8	1711	1803	9.461979	
12	1	6	80.2			10.2852	
13	2	6	59.6	1187		10.784475	
14	1	6	81.2			11.886441	

Bin5 Statistics 20

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	78.8	1074		0.306703	1
1	2	14	76	1095		1.467546	
2	1	14	70.8			2.552987	
3	1	14	68.9			3.669702	
4	3	14	56.8	1130	1730	3.784014	
5	2	14	74.5	1030		5.041439	
6	1	14	52.8			6.309328	
7	2	14	86.8	1622		6.966201	
8	3	14	84.7	1931	1211	7.679618	
9	1	14	92			9.033195	
10	2	14	75.1	1038		9.241736	
11	2	14	69.4	1589		10.363784	
12	3	14	66	1602	1106	11.566953	

Bin5 Statistics 21

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			0.375409	1
1	2	15	64.5	1138		2.028254	
2	1	15	89.3			3.412377	
3	2	15	58.4	1117		4.982628	
4	1	15	92.6			5.670478	
5	2	15	84.6	1432		6.679921	
6	2	15	98.3	1158		8.2119	
7	2	15	94.3	1280		9.627723	
8	2	15	85.3	1572		11.848054	

Bin5 Statistics 22

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	69.9	1148		0.131696	1
1	1	8	70.9			0.852952	
2	1	8	61.9			1.674141	
3	2	8	57.4	1385		2.737563	
4	2	8	61	1191		3.085872	
5	2	8	87.2	1437		4.493173	
6	1	8	51.2			4.916668	
7	2	8	86.2	1775		5.450414	
8	2	8	76.6	1072		6.261276	
9	2	8	68.1	1513		6.804788	
10	2	8	56.9	1423		7.9704	
11	3	8	56	1291	1663	8.397281	
12	2	8	68.6	1444		9.058944	
13	2	8	74.3	1306		10.025376	
14	2	8	84.1	1923		10.98625	
15	2	8	74	1676		11.262794	

Bin5 Statistics 23

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	89.8	1374		0.4475	1
1	2	20	52.2	1884		1.114043	
2	3	20	77.5	1389	1423	2.309992	
3	1	20	67.3			3.38259	
4	1	20	87.9			3.757779	
5	2	20	81.7	1176		4.692485	
6	3	20	96.9	1547	1270	5.750301	
7	3	20	70.6	1045	1068	6.311608	
8	2	20	79.1	1124		7.586471	
9	1	20	76.6			8.271707	
10	2	20	79.1	1401		9.382112	
11	3	20	86	1404	1108	9.950377	
12	3	20	96.3	1894	1730	10.660644	
13	1	20	93.7			11.81404	

Bin5 Statistics 24

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	59.9			0.392899	1
1	3	18	59.5	1381	1269	1.110336	
2	1	18	80.2			1.556088	
3	2	18	61.6	1723		2.568663	
4	3	18	89.9	1005	1396	3.169102	
5	1	18	53.5			4.046339	
6	2	18	99.7	1777		4.763784	
7	2	18	78.7	1705		5.619598	
8	3	18	67.8	1819	1927	6.129892	
9	2	18	62.9	1855		7.063058	
10	2	18	94.3	1728		8.123665	
11	2	18	92.3	1164		8.747333	
12	1	18	79			9.382077	
13	2	18	87	1745		10.364431	
14	2	18	79.5	1491		11.022211	
15	1	18	66.2			11.757578	

Bin5 Statistics 25

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	91.4	1331		0.209013	1
1	2	19	58.2	1771		1.68445	
2	2	19	92.7	1037		2.631666	
3	1	19	57.9			4.267823	
4	1	19	89.8			4.672166	
5	1	19	53.8			5.957344	
6	2	19	68.5	1740		6.978427	
7	3	19	65.7	1305	1788	7.819276	
8	2	19	95.3	1487		9.705003	
9	3	19	85.9	1287	1172	10.524736	
10	1	19	52.5			11.228295	

Bin5 Statistics 26

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	50.1			0.281321	1
1	1	13	63.7			2.232554	
2	3	13	81.3	1359	1662	3.098851	
3	1	13	69.4			5.485773	
4	2	13	86.2	1548		6.527814	
5	2	13	79.3	1125		8.381351	
6	3	13	73.2	1684	1272	9.849543	
7	3	13	86.4	1625	1697	11.186932	

Bin5 Statistics 27

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	83.4			0.354375	1
1	2	9	95.5	1322		1.439946	
2	1	9	70.1			2.216741	
3	1	9	95.6			2.916722	
4	1	9	57.7			3.788155	
5	1	9	82			4.408626	
6	3	9	62.6	1492	1358	5.219343	
7	1	9	79.7			6.312042	
8	2	9	72.4	1950		6.873352	
9	2	9	68.9	1605		7.418556	
10	3	9	81.3	1556	1859	8.196998	
11	3	9	75.5	1630	1110	9.420902	
12	1	9	52.8			9.730122	
13	3	9	71.8	1165	1016	10.548553	
14	2	9	95.7	1104		11.890997	

Bin5 Statistics 28

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	76.4	1253		0.604389	1
1	3	8	57.9	1202	1591	0.98775	
2	1	8	57.7			1.402079	
3	1	8	96.4			2.374258	
4	2	8	59.8	1036		3.252042	
5	3	8	95.8	1569	1992	3.828405	
6	3	8	77.5	1637	1596	4.318356	
7	2	8	84.2	1067		4.898776	
8	2	8	70.8	1035		5.57372	
9	3	8	96.1	1051	1641	6.326418	
10	2	8	84.7	1663		7.210973	
11	2	8	74.3	1269		7.9938	
12	2	8	76.3	1839		8.289008	
13	2	8	78.8	1393		9.304127	
14	3	8	73.4	1811	1674	9.768398	
15	3	8	51.5	1592	1303	10.4546	
16	2	8	56.4	1738		10.683221	
17	3	8	68.3	1778	1606	11.416652	

Bin5 Statistics 29

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	57.4	1133	1925	0.914283	1
1	3	18	70.9	1584	1472	1.25524	
2	1	18	91.3			2.178068	
3	2	18	53.9	1769		3.827058	
4	2	18	54.8	1878		4.200895	
5	2	18	62.8	1593		5.376323	
6	3	18	51.2	1797	1707	6.108464	
7	2	18	67.9	1116		7.531469	
8	2	18	69.7	1421		8.856538	
9	2	18	66.4	1792		9.923544	
10	1	18	98.1			10.492607	
11	1	18	90.7			11.53584	

Bin5 Statistics 30

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	91.4			0.061008	1
1	1	10	75.2			2.321458	
2	3	10	92	1275	1657	3.440453	
3	2	10	91.3	1042		4.497355	
4	3	10	66.7	1388	1313	6.270261	
5	3	10	59.5	1808	1772	7.863451	
6	2	10	87.9	1745		8.299311	
7	2	10	99.8	1498		10.195218	
8	3	10	71.7	1613	1253	11.815179	

Table-6 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	5722.0, 5446.0, 5596.0, 5429.0, 5535.0, 5352.0, 5462.0, 5691.0, 5271.0, 5574.0, 5675.0, 5294.0, 5685.0, 5334.0, 5599.0, 5526.0, 5368.0, 5387.0, 5517.0, 5301.0, 5329.0, 5421.0, 5538.0, 5464.0, 5595.0, 5481.0, 5283.0, 5497.0, 5255.0, 5630.0, 5655.0, 5293.0, 5577.0, 5378.0, 5553.0, 5357.0, 5567.0, 5303.0, 5487.0, 5625.0, 5267.0, 5398.0, 5285.0, 5568.0, 5451.0, 5379.0, 5653.0, 5701.0, 5632.0, 5448.0, 5311.0, 5505.0, 5341.0, 5546.0, 5682.0, 5328.0, 5661.0, 5476.0, 5555.0, 5331.0, 5452.0, 5506.0, 5330.0, 5571.0, 5344.0, 5679.0, 5392.0, 5579.0, 5703.0, 5562.0, 5672.0, 5711.0, 5364.0, 5654.0, 5570.0, 5694.0, 5680.0, 5602.0, 5527.0, 5439.0, 5277.0, 5552.0, 5371.0, 5528.0, 5520.0, 5550.0, 5351.0, 5366.0, 5482.0, 5263.0, 5300.0, 5581.0, 5299.0, 5720.0, 5717.0, 5712.0, 5321.0, 5509.0, 5709.0, 5565.0 (number of hits: 4)
2	5500	9	1	333	1	5467.0, 5611.0, 5413.0, 5584.0, 5619.0, 5402.0, 5583.0, 5403.0, 5420.0, 5423.0, 5720.0, 5523.0, 5645.0, 5506.0, 5267.0, 5367.0, 5667.0, 5702.0, 5462.0, 5668.0, 5554.0, 5692.0, 5598.0, 5623.0, 5432.0, 5516.0, 5639.0, 5524.0, 5602.0, 5548.0, 5666.0, 5359.0, 5385.0, 5318.0, 5535.0, 5586.0, 5560.0, 5324.0, 5356.0, 5451.0, 5673.0, 5722.0, 5410.0, 5638.0, 5339.0, 5313.0, 5530.0, 5500.0, 5254.0, 5468.0, 5369.0, 5476.0, 5574.0, 5351.0, 5568.0, 5470.0, 5698.0, 5569.0, 5520.0, 5609.0, 5289.0, 5303.0, 5262.0, 5387.0, 5330.0, 5485.0, 5557.0, 5435.0, 5366.0, 5442.0, 5444.0, 5522.0, 5261.0, 5504.0, 5544.0, 5272.0, 5606.0, 5621.0, 5360.0, 5679.0, 5683.0, 5426.0, 5694.0, 5707.0, 5674.0, 5345.0, 5285.0, 5434.0, 5513.0, 5662.0, 5495.0, 5665.0, 5424.0, 5607.0, 5286.0, 5573.0, 5311.0, 5540.0, 5433.0, 5593.0 (number of hits: 4)
3	5500	9	1	333	1	5633.0, 5349.0, 5531.0, 5366.0, 5334.0, 5687.0, 5699.0, 5664.0, 5301.0, 5402.0, 5471.0, 5300.0, 5566.0, 5640.0, 5265.0, 5644.0, 5453.0, 5262.0, 5668.0, 5585.0, 5341.0, 5264.0, 5376.0, 5324.0, 5435.0, 5424.0, 5273.0, 5602.0, 5557.0, 5353.0, 5329.0, 5284.0, 5657.0, 5482.0, 5377.0, 5365.0, 5692.0, 5393.0, 5598.0, 5428.0, 5612.0, 5654.0, 5578.0, 5625.0, 5535.0, 5502.0, 5577.0, 5260.0, 5710.0, 5286.0, 5558.0, 5316.0, 5358.0, 5667.0, 5261.0, 5360.0, 5343.0, 5525.0, 5716.0, 5370.0,

						5504.0, 5293.0, 5660.0, 5485.0, 5620.0, 5600.0, 5636.0, 5603.0, 5711.0, 5331.0, 5587.0, 5372.0, 5401.0, 5439.0, 5676.0, 5350.0, 5321.0, 5646.0, 5332.0, 5375.0, 5430.0, 5606.0, 5278.0, 5560.0, 5411.0, 5537.0, 5544.0, 5318.0, 5348.0, 5718.0, 5371.0, 5446.0, 5312.0, 5373.0, 5638.0, 5481.0, 5263.0, 5345.0, 5701.0, 5297.0 (number of hits: 2)
4	5500	9	1	333	1	5433.0, 5555.0, 5564.0, 5292.0, 5649.0, 5508.0, 5422.0, 5498.0, 5351.0, 5271.0, 5517.0, 5700.0, 5340.0, 5659.0, 5485.0, 5719.0, 5595.0, 5519.0, 5526.0, 5708.0, 5393.0, 5349.0, 5331.0, 5339.0, 5611.0, 5267.0, 5566.0, 5534.0, 5362.0, 5266.0, 5703.0, 5672.0, 5418.0, 5572.0, 5384.0, 5391.0, 5507.0, 5520.0, 5353.0, 5251.0, 5388.0, 5553.0, 5499.0, 5272.0, 5344.0, 5651.0, 5400.0, 5500.0, 5701.0, 5411.0, 5402.0, 5382.0, 5696.0, 5329.0, 5462.0, 5342.0, 5457.0, 5460.0, 5544.0, 5511.0, 5278.0, 5545.0, 5466.0, 5352.0, 5306.0, 5710.0, 5538.0, 5312.0, 5332.0, 5504.0, 5662.0, 5389.0, 5585.0, 5562.0, 5428.0, 5510.0, 5309.0, 5679.0, 5261.0, 5514.0, 5722.0, 5656.0, 5412.0, 5575.0, 5617.0, 5615.0, 5305.0, 5268.0, 5431.0, 5612.0, 5717.0, 5437.0, 5265.0, 5440.0, 5361.0, 5578.0, 5552.0, 5509.0, 5359.0, 5341.0 (number of hits: 7)
5	5500	9	1	333	1	5345.0, 5584.0, 5312.0, 5251.0, 5383.0, 5508.0, 5624.0, 5389.0, 5257.0, 5544.0, 5401.0, 5514.0, 5526.0, 5366.0, 5351.0, 5582.0, 5287.0, 5704.0, 5659.0, 5371.0, 5447.0, 5552.0, 5429.0, 5674.0, 5583.0, 5314.0, 5708.0, 5630.0, 5723.0, 5670.0, 5425.0, 5476.0, 5255.0, 5454.0, 5534.0, 5623.0, 5384.0, 5615.0, 5614.0, 5469.0, 5694.0, 5676.0, 5331.0, 5397.0, 5504.0, 5372.0, 5477.0, 5407.0, 5413.0, 5515.0, 5693.0, 5319.0, 5412.0, 5288.0, 5266.0, 5461.0, 5474.0, 5432.0, 5707.0, 5554.0, 5640.0, 5585.0, 5483.0, 5641.0, 5529.0, 5462.0, 5367.0, 5416.0, 5295.0, 5357.0, 5673.0, 5695.0, 5689.0, 5267.0, 5491.0, 5424.0, 5681.0, 5298.0, 5254.0, 5478.0, 5415.0, 5451.0, 5472.0, 5427.0, 5390.0, 5647.0, 5705.0, 5509.0, 5626.0, 5443.0, 5322.0, 5706.0, 5581.0, 5309.0, 5496.0, 5556.0, 5392.0, 5567.0, 5703.0, 5375.0 (number of hits: 5)
6	5500	9	1	333	1	5511.0, 5526.0, 5560.0, 5415.0, 5303.0, 5293.0, 5273.0, 5664.0, 5417.0, 5257.0, 5334.0, 5338.0, 5407.0, 5455.0, 5329.0, 5687.0, 5667.0, 5662.0, 5714.0, 5344.0, 5448.0, 5653.0, 5593.0, 5433.0, 5531.0, 5277.0, 5305.0, 5684.0, 5627.0, 5551.0, 5657.0, 5651.0, 5614.0, 5520.0, 5380.0, 5382.0, 5495.0, 5322.0, 5515.0, 5594.0, 5699.0, 5628.0, 5459.0, 5268.0, 5359.0

						5412.0, 5663.0, 5572.0, 5686.0, 5612.0, 5441.0, 5497.0, 5402.0, 5474.0, 5496.0, 5424.0, 5626.0, 5282.0, 5340.0, 5715.0, 5475.0, 5655.0, 5458.0, 5368.0, 5328.0, 5339.0, 5354.0, 5513.0, 5469.0, 5581.0, 5712.0, 5680.0, 5681.0, 5556.0, 5546.0, 5267.0, 5534.0, 5351.0, 5671.0, 5501.0, 5423.0, 5583.0, 5535.0, 5694.0, 5505.0, 5669.0, 5285.0, 5559.0, 5397.0, 5263.0, 5414.0, 5561.0, 5422.0, 5570.0, 5283.0, 5490.0, 5398.0, 5507.0, 5565.0, 5453.0 (number of hits: 7)
7	5500	9	1	333	1	5639.0, 5548.0, 5429.0, 5658.0, 5285.0, 5699.0, 5321.0, 5652.0, 5348.0, 5461.0, 5332.0, 5313.0, 5464.0, 5329.0, 5691.0, 5317.0, 5303.0, 5622.0, 5427.0, 5343.0, 5619.0, 5276.0, 5342.0, 5681.0, 5679.0, 5648.0, 5694.0, 5352.0, 5401.0, 5474.0, 5484.0, 5516.0, 5370.0, 5365.0, 5616.0, 5385.0, 5419.0, 5470.0, 5601.0, 5717.0, 5438.0, 5467.0, 5481.0, 5422.0, 5469.0, 5641.0, 5493.0, 5338.0, 5589.0, 5693.0, 5465.0, 5640.0, 5440.0, 5514.0, 5328.0, 5298.0, 5290.0, 5722.0, 5252.0, 5708.0, 5379.0, 5449.0, 5291.0, 5615.0, 5351.0, 5629.0, 5631.0, 5283.0, 5408.0, 5455.0, 5697.0, 5394.0, 5279.0, 5506.0, 5434.0, 5609.0, 5600.0, 5251.0, 5604.0, 5406.0, 5354.0, 5539.0, 5413.0, 5443.0, 5330.0, 5392.0, 5468.0, 5587.0, 5561.0, 5503.0, 5487.0, 5486.0, 5447.0, 5671.0, 5466.0, 5412.0, 5432.0, 5462.0, 5255.0, 5595.0 (number of hits: 3)
8	5500	9	1	333	1	5562.0, 5291.0, 5538.0, 5552.0, 5354.0, 5674.0, 5581.0, 5411.0, 5433.0, 5418.0, 5529.0, 5514.0, 5348.0, 5715.0, 5513.0, 5253.0, 5305.0, 5472.0, 5519.0, 5432.0, 5292.0, 5678.0, 5321.0, 5495.0, 5436.0, 5301.0, 5490.0, 5493.0, 5517.0, 5549.0, 5279.0, 5343.0, 5709.0, 5606.0, 5598.0, 5586.0, 5401.0, 5469.0, 5588.0, 5572.0, 5332.0, 5473.0, 5265.0, 5466.0, 5644.0, 5387.0, 5661.0, 5716.0, 5371.0, 5284.0, 5550.0, 5596.0, 5603.0, 5486.0, 5501.0, 5503.0, 5723.0, 5648.0, 5342.0, 5530.0, 5525.0, 5548.0, 5329.0, 5593.0, 5701.0, 5700.0, 5318.0, 5614.0, 5435.0, 5564.0, 5637.0, 5600.0, 5453.0, 5599.0, 5658.0, 5547.0, 5260.0, 5415.0, 5571.0, 5405.0, 5471.0, 5566.0, 5556.0, 5592.0, 5527.0, 5363.0, 5355.0, 5282.0, 5274.0, 5489.0, 5396.0, 5665.0, 5485.0, 5403.0, 5327.0, 5713.0, 5266.0, 5624.0, 5565.0, 5448.0 (number of hits: 5)
9	5500	9	1	333	1	5304.0, 5408.0, 5277.0, 5513.0, 5378.0, 5456.0, 5639.0, 5454.0, 5523.0, 5290.0, 5484.0, 5629.0, 5256.0, 5635.0, 5610.0, 5419.0, 5373.0, 5633.0, 5267.0, 5550.0, 5383.0, 5527.0, 5510.0, 5588.0, 5500.0, 5674.0, 5502.0, 5333.0, 5534.0, 5528.0,

						5260.0, 5711.0, 5520.0, 5366.0, 5273.0, 5717.0, 5281.0, 5282.0, 5724.0, 5707.0, 5609.0, 5577.0, 5371.0, 5607.0, 5671.0, 5283.0, 5361.0, 5345.0, 5691.0, 5630.0, 5428.0, 5642.0, 5662.0, 5713.0, 5680.0, 5448.0, 5470.0, 5465.0, 5296.0, 5312.0, 5387.0, 5389.0, 5422.0, 5673.0, 5294.0, 5644.0, 5553.0, 5690.0, 5536.0, 5278.0, 5427.0, 5315.0, 5627.0, 5509.0, 5468.0, 5412.0, 5297.0, 5308.0, 5496.0, 5479.0, 5715.0, 5287.0, 5334.0, 5385.0, 5593.0, 5463.0, 5269.0, 5435.0, 5504.0, 5257.0, 5490.0, 5474.0, 5485.0, 5589.0, 5522.0, 5587.0, 5397.0, 5675.0, 5581.0, 5678.0 (number of hits: 6)
10	5500	9	1	333	1	5295.0, 5350.0, 5409.0, 5274.0, 5347.0, 5558.0, 5346.0, 5329.0, 5381.0, 5481.0, 5354.0, 5600.0, 5468.0, 5706.0, 5364.0, 5613.0, 5592.0, 5277.0, 5377.0, 5326.0, 5441.0, 5670.0, 5298.0, 5273.0, 5436.0, 5647.0, 5562.0, 5652.0, 5312.0, 5541.0, 5672.0, 5677.0, 5421.0, 5257.0, 5378.0, 5320.0, 5267.0, 5717.0, 5473.0, 5255.0, 5359.0, 5667.0, 5649.0, 5661.0, 5456.0, 5440.0, 5288.0, 5279.0, 5534.0, 5370.0, 5285.0, 5334.0, 5405.0, 5607.0, 5543.0, 5721.0, 5523.0, 5464.0, 5330.0, 5387.0, 5353.0, 5622.0, 5579.0, 5544.0, 5372.0, 5292.0, 5644.0, 5386.0, 5580.0, 5653.0, 5356.0, 5556.0, 5297.0, 5686.0, 5332.0, 5719.0, 5705.0, 5480.0, 5643.0, 5560.0, 5690.0, 5529.0, 5603.0, 5437.0, 5710.0, 5517.0, 5624.0, 5369.0, 5551.0, 5618.0, 5561.0, 5676.0, 5454.0, 5584.0, 5383.0, 5485.0, 5438.0, 5286.0, 5280.0, 5509.0 (number of hits: 1)
11	5500	9	1	333	1	5496.0, 5629.0, 5432.0, 5500.0, 5471.0, 5515.0, 5447.0, 5378.0, 5566.0, 5678.0, 5305.0, 5386.0, 5342.0, 5282.0, 5458.0, 5548.0, 5574.0, 5292.0, 5467.0, 5452.0, 5456.0, 5518.0, 5590.0, 5557.0, 5363.0, 5662.0, 5400.0, 5586.0, 5610.0, 5698.0, 5275.0, 5272.0, 5440.0, 5721.0, 5277.0, 5425.0, 5531.0, 5615.0, 5395.0, 5619.0, 5522.0, 5570.0, 5676.0, 5266.0, 5297.0, 5688.0, 5504.0, 5722.0, 5455.0, 5416.0, 5274.0, 5478.0, 5252.0, 5367.0, 5403.0, 5661.0, 5340.0, 5581.0, 5579.0, 5677.0, 5253.0, 5529.0, 5573.0, 5284.0, 5419.0, 5611.0, 5562.0, 5499.0, 5385.0, 5547.0, 5326.0, 5428.0, 5381.0, 5554.0, 5373.0, 5493.0, 5316.0, 5560.0, 5494.0, 5443.0, 5495.0, 5599.0, 5303.0, 5589.0, 5568.0, 5448.0, 5591.0, 5505.0, 5412.0, 5572.0, 5314.0, 5512.0, 5370.0, 5379.0, 5393.0, 5384.0, 5627.0, 5355.0, 5382.0, 5561.0 (number of hits: 8)
12	5500	9	1	333	1	5621.0, 5378.0, 5712.0, 5659.0, 5531.0, 5695.0, 5509.0, 5276.0, 5633.0, 5344.0, 5632.0, 5719.0, 5598.0, 5505.0, 5438.0,

						5616.0, 5265.0, 5585.0, 5328.0, 5258.0, 5597.0, 5291.0, 5305.0, 5713.0, 5300.0, 5481.0, 5304.0, 5553.0, 5690.0, 5409.0, 5618.0, 5721.0, 5557.0, 5521.0, 5533.0, 5461.0, 5398.0, 5502.0, 5693.0, 5404.0, 5357.0, 5320.0, 5603.0, 5581.0, 5535.0, 5425.0, 5447.0, 5302.0, 5568.0, 5513.0, 5439.0, 5377.0, 5446.0, 5562.0, 5716.0, 5627.0, 5673.0, 5527.0, 5380.0, 5648.0, 5679.0, 5308.0, 5664.0, 5706.0, 5526.0, 5430.0, 5556.0, 5474.0, 5583.0, 5522.0, 5335.0, 5277.0, 5424.0, 5384.0, 5422.0, 5419.0, 5473.0, 5287.0, 5334.0, 5497.0, 5441.0, 5643.0, 5663.0, 5567.0, 5596.0, 5510.0, 5647.0, 5543.0, 5599.0, 5301.0, 5307.0, 5674.0, 5288.0, 5579.0, 5670.0, 5340.0, 5582.0, 5559.0, 5601.0, 5530.0 (number of hits: 4)
13	5500	9	1	333	1	5437.0, 5252.0, 5391.0, 5470.0, 5310.0, 5562.0, 5596.0, 5639.0, 5597.0, 5500.0, 5491.0, 5448.0, 5338.0, 5593.0, 5667.0, 5253.0, 5592.0, 5257.0, 5280.0, 5398.0, 5450.0, 5318.0, 5424.0, 5572.0, 5402.0, 5337.0, 5612.0, 5581.0, 5285.0, 5374.0, 5472.0, 5403.0, 5501.0, 5407.0, 5401.0, 5582.0, 5279.0, 5515.0, 5414.0, 5628.0, 5311.0, 5262.0, 5679.0, 5508.0, 5577.0, 5350.0, 5509.0, 5284.0, 5486.0, 5275.0, 5322.0, 5417.0, 5331.0, 5680.0, 5408.0, 5579.0, 5651.0, 5357.0, 5308.0, 5633.0, 5644.0, 5626.0, 5277.0, 5389.0, 5584.0, 5400.0, 5588.0, 5594.0, 5317.0, 5617.0, 5591.0, 5463.0, 5476.0, 5668.0, 5627.0, 5573.0, 5261.0, 5327.0, 5362.0, 5648.0, 5539.0, 5493.0, 5620.0, 5512.0, 5705.0, 5324.0, 5405.0, 5672.0, 5616.0, 5304.0, 5386.0, 5712.0, 5413.0, 5494.0, 5303.0, 5686.0, 5687.0, 5565.0, 5601.0, 5653.0 (number of hits: 7)
14	5500	9	1	333	1	5413.0, 5345.0, 5264.0, 5391.0, 5470.0, 5547.0, 5443.0, 5444.0, 5636.0, 5438.0, 5327.0, 5261.0, 5300.0, 5640.0, 5310.0, 5507.0, 5707.0, 5334.0, 5273.0, 5649.0, 5282.0, 5601.0, 5611.0, 5621.0, 5343.0, 5473.0, 5449.0, 5329.0, 5566.0, 5529.0, 5554.0, 5486.0, 5253.0, 5584.0, 5341.0, 5543.0, 5523.0, 5376.0, 5607.0, 5710.0, 5568.0, 5572.0, 5620.0, 5506.0, 5455.0, 5701.0, 5271.0, 5573.0, 5545.0, 5594.0, 5510.0, 5631.0, 5511.0, 5679.0, 5583.0, 5724.0, 5409.0, 5331.0, 5656.0, 5278.0, 5296.0, 5408.0, 5440.0, 5358.0, 5643.0, 5370.0, 5678.0, 5694.0, 5277.0, 5695.0, 5705.0, 5711.0, 5394.0, 5689.0, 5515.0, 5429.0, 5275.0, 5324.0, 5553.0, 5479.0, 5623.0, 5519.0, 5474.0, 5483.0, 5347.0, 5284.0, 5258.0, 5306.0, 5476.0, 5685.0, 5527.0, 5625.0, 5580.0, 5665.0, 5458.0, 5360.0, 5263.0, 5293.0, 5578.0, 5364.0 (number of hits: 2)

15	5500	9	1	333	1	5614.0, 5453.0, 5583.0, 5308.0, 5633.0, 5615.0, 5512.0, 5380.0, 5714.0, 5322.0, 5373.0, 5435.0, 5336.0, 5486.0, 5635.0, 5509.0, 5265.0, 5277.0, 5320.0, 5295.0, 5359.0, 5321.0, 5534.0, 5434.0, 5296.0, 5310.0, 5349.0, 5708.0, 5314.0, 5462.0, 5540.0, 5511.0, 5556.0, 5691.0, 5683.0, 5523.0, 5325.0, 5334.0, 5639.0, 5266.0, 5323.0, 5423.0, 5458.0, 5594.0, 5721.0, 5375.0, 5722.0, 5704.0, 5487.0, 5386.0, 5288.0, 5360.0, 5366.0, 5311.0, 5688.0, 5313.0, 5579.0, 5328.0, 5335.0, 5650.0, 5567.0, 5566.0, 5283.0, 5443.0, 5369.0, 5533.0, 5445.0, 5664.0, 5438.0, 5451.0, 5507.0, 5568.0, 5433.0, 5504.0, 5479.0, 5292.0, 5613.0, 5638.0, 5348.0, 5252.0, 5457.0, 5656.0, 5382.0, 5392.0, 5395.0, 5282.0, 5609.0, 5367.0, 5468.0, 5717.0, 5397.0, 5499.0, 5586.0, 5251.0, 5510.0, 5572.0, 5294.0, 5376.0, 5317.0, 5596.0 (number of hits: 4)
16	5500	9	1	333	1	5550.0, 5290.0, 5435.0, 5457.0, 5528.0, 5664.0, 5416.0, 5446.0, 5326.0, 5386.0, 5404.0, 5329.0, 5547.0, 5553.0, 5263.0, 5390.0, 5676.0, 5571.0, 5346.0, 5375.0, 5609.0, 5356.0, 5349.0, 5708.0, 5591.0, 5705.0, 5526.0, 5363.0, 5317.0, 5277.0, 5461.0, 5638.0, 5261.0, 5315.0, 5502.0, 5392.0, 5467.0, 5418.0, 5307.0, 5360.0, 5716.0, 5313.0, 5585.0, 5621.0, 5548.0, 5255.0, 5406.0, 5531.0, 5316.0, 5343.0, 5337.0, 5671.0, 5332.0, 5668.0, 5289.0, 5633.0, 5325.0, 5288.0, 5520.0, 5327.0, 5560.0, 5513.0, 5376.0, 5655.0, 5414.0, 5576.0, 5428.0, 5719.0, 5280.0, 5438.0, 5344.0, 5483.0, 5450.0, 5427.0, 5578.0, 5274.0, 5433.0, 5365.0, 5558.0, 5511.0, 5665.0, 5423.0, 5597.0, 5324.0, 5454.0, 5599.0, 5458.0, 5474.0, 5651.0, 5500.0, 5318.0, 5575.0, 5477.0, 5674.0, 5297.0, 5475.0, 5717.0, 5711.0, 5387.0, 5666.0 (number of hits: 2)
17	5500	9	1	333	1	5316.0, 5337.0, 5332.0, 5552.0, 5355.0, 5354.0, 5667.0, 5656.0, 5665.0, 5309.0, 5491.0, 5619.0, 5523.0, 5531.0, 5640.0, 5344.0, 5407.0, 5501.0, 5328.0, 5257.0, 5256.0, 5706.0, 5679.0, 5514.0, 5697.0, 5386.0, 5330.0, 5621.0, 5699.0, 5591.0, 5515.0, 5431.0, 5622.0, 5708.0, 5454.0, 5464.0, 5441.0, 5638.0, 5681.0, 5368.0, 5479.0, 5452.0, 5685.0, 5305.0, 5251.0, 5408.0, 5719.0, 5468.0, 5633.0, 5264.0, 5435.0, 5271.0, 5691.0, 5278.0, 5490.0, 5388.0, 5673.0, 5495.0, 5321.0, 5694.0, 5574.0, 5658.0, 5497.0, 5516.0, 5659.0, 5389.0, 5527.0, 5616.0, 5533.0, 5395.0, 5599.0, 5614.0, 5487.0, 5675.0, 5488.0, 5666.0, 5559.0, 5312.0, 5571.0, 5291.0, 5421.0, 5438.0, 5436.0, 5615.0, 5281.0, 5352.0, 5401.0, 5541.0, 5292.0, 5583.0

						5310.0, 5375.0, 5643.0, 5276.0, 5446.0, 5598.0, 5645.0, 5687.0, 5692.0, 5480.0 (number of hits: 5)
18	5500	9	1	333	1	5428.0, 5713.0, 5437.0, 5368.0, 5425.0, 5400.0, 5307.0, 5422.0, 5554.0, 5489.0, 5718.0, 5618.0, 5483.0, 5412.0, 5435.0, 5578.0, 5586.0, 5709.0, 5571.0, 5448.0, 5276.0, 5551.0, 5484.0, 5330.0, 5496.0, 5281.0, 5556.0, 5633.0, 5679.0, 5638.0, 5568.0, 5318.0, 5514.0, 5266.0, 5599.0, 5650.0, 5290.0, 5495.0, 5626.0, 5673.0, 5264.0, 5574.0, 5559.0, 5540.0, 5543.0, 5295.0, 5322.0, 5340.0, 5424.0, 5696.0, 5287.0, 5385.0, 5473.0, 5621.0, 5526.0, 5506.0, 5399.0, 5377.0, 5501.0, 5680.0, 5649.0, 5719.0, 5359.0, 5552.0, 5505.0, 5499.0, 5530.0, 5584.0, 5357.0, 5560.0, 5690.0, 5345.0, 5413.0, 5292.0, 5431.0, 5585.0, 5657.0, 5645.0, 5677.0, 5711.0, 5342.0, 5531.0, 5335.0, 5541.0, 5547.0, 5676.0, 5565.0, 5637.0, 5474.0, 5358.0, 5285.0, 5328.0, 5396.0, 5712.0, 5705.0, 5613.0, 5655.0, 5403.0, 5332.0, 5619.0 (number of hits: 6)
19	5500	9	1	333	1	5268.0, 5539.0, 5485.0, 5572.0, 5371.0, 5666.0, 5496.0, 5575.0, 5405.0, 5478.0, 5376.0, 5352.0, 5537.0, 5515.0, 5354.0, 5517.0, 5415.0, 5501.0, 5460.0, 5488.0, 5719.0, 5309.0, 5625.0, 5279.0, 5434.0, 5520.0, 5356.0, 5388.0, 5558.0, 5303.0, 5635.0, 5541.0, 5573.0, 5644.0, 5612.0, 5360.0, 5632.0, 5697.0, 5674.0, 5424.0, 5252.0, 5607.0, 5288.0, 5463.0, 5260.0, 5512.0, 5705.0, 5714.0, 5715.0, 5588.0, 5549.0, 5534.0, 5410.0, 5369.0, 5524.0, 5329.0, 5374.0, 5319.0, 5642.0, 5722.0, 5445.0, 5643.0, 5312.0, 5416.0, 5396.0, 5645.0, 5255.0, 5624.0, 5529.0, 5592.0, 5525.0, 5481.0, 5413.0, 5318.0, 5385.0, 5414.0, 5383.0, 5570.0, 5401.0, 5455.0, 5477.0, 5491.0, 5623.0, 5627.0, 5275.0, 5640.0, 5707.0, 5473.0, 5301.0, 5471.0, 5446.0, 5535.0, 5596.0, 5333.0, 5487.0, 5551.0, 5482.0, 5459.0, 5337.0, 5327.0 (number of hits: 3)
20	5500	9	1	333	1	5694.0, 5591.0, 5543.0, 5268.0, 5631.0, 5461.0, 5323.0, 5477.0, 5451.0, 5620.0, 5612.0, 5434.0, 5252.0, 5531.0, 5623.0, 5301.0, 5266.0, 5393.0, 5334.0, 5547.0, 5625.0, 5313.0, 5303.0, 5439.0, 5636.0, 5520.0, 5441.0, 5514.0, 5460.0, 5316.0, 5400.0, 5684.0, 5465.0, 5430.0, 5326.0, 5702.0, 5607.0, 5424.0, 5318.0, 5282.0, 5693.0, 5293.0, 5409.0, 5633.0, 5412.0, 5333.0, 5415.0, 5310.0, 5358.0, 5651.0, 5471.0, 5435.0, 5683.0, 5680.0, 5610.0, 5521.0, 5287.0, 5484.0, 5601.0, 5512.0, 5348.0, 5652.0, 5686.0, 5618.0, 5659.0, 5336.0, 5361.0, 5497.0, 5251.0, 5582.0, 5507.0, 5259.0, 5426.0, 5718.0, 5715.0

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21	5500	9	1	333	1	5264.0, 5253.0, 5479.0, 5526.0, 5381.0, 5613.0, 5256.0, 5431.0, 5502.0, 5273.0, 5494.0, 5426.0, 5595.0, 5375.0, 5638.0, 5323.0, 5525.0, 5255.0, 5616.0, 5583.0, 5266.0, 5585.0, 5374.0, 5406.0, 5408.0, 5291.0, 5475.0, 5260.0, 5391.0, 5484.0, 5341.0, 5351.0, 5275.0, 5452.0, 5361.0, 5569.0, 5454.0, 5537.0, 5543.0, 5478.0, 5337.0, 5293.0, 5531.0, 5300.0, 5282.0, 5445.0, 5262.0, 5425.0, 5289.0, 5314.0, 5560.0, 5640.0, 5647.0, 5466.0, 5418.0, 5630.0, 5271.0, 5641.0, 5547.0, 5598.0, 5710.0, 5676.0, 5301.0, 5421.0, 5629.0, 5503.0, 5631.0, 5477.0, 5601.0, 5689.0, 5665.0, 5372.0, 5303.0, 5324.0, 5285.0, 5562.0, 5698.0, 5645.0, 5439.0, 5420.0, 5348.0, 5368.0, 5302.0, 5317.0, 5603.0, 5371.0, 5677.0, 5384.0, 5695.0, 5424.0, 5394.0, 5639.0, 5620.0, 5632.0, 5327.0, 5310.0, 5688.0, 5315.0, 5328.0, 5556.0 (number of hits: 3)
22	5500	9	1	333	1	5497.0, 5445.0, 5413.0, 5598.0, 5682.0, 5689.0, 5552.0, 5321.0, 5256.0, 5388.0, 5569.0, 5667.0, 5637.0, 5616.0, 5563.0, 5594.0, 5352.0, 5487.0, 5511.0, 5477.0, 5619.0, 5324.0, 5532.0, 5655.0, 5481.0, 5575.0, 5576.0, 5464.0, 5695.0, 5530.0, 5396.0, 5416.0, 5539.0, 5694.0, 5596.0, 5366.0, 5289.0, 5318.0, 5686.0, 5320.0, 5718.0, 5680.0, 5634.0, 5586.0, 5272.0, 5479.0, 5723.0, 5378.0, 5427.0, 5402.0, 5473.0, 5317.0, 5463.0, 5296.0, 5581.0, 5652.0, 5649.0, 5548.0, 5405.0, 5488.0, 5556.0, 5253.0, 5640.0, 5710.0, 5685.0, 5711.0, 5613.0, 5527.0, 5706.0, 5494.0, 5407.0, 5299.0, 5273.0, 5394.0, 5618.0, 5522.0, 5544.0, 5578.0, 5659.0, 5558.0, 5590.0, 5721.0, 5697.0, 5447.0, 5368.0, 5260.0, 5692.0, 5668.0, 5395.0, 5653.0, 5437.0, 5411.0, 5675.0, 5517.0, 5625.0, 5521.0, 5263.0, 5287.0, 5277.0, 5673.0 (number of hits: 2)
23	5500	9	1	333	1	5456.0, 5385.0, 5620.0, 5448.0, 5512.0, 5619.0, 5329.0, 5571.0, 5404.0, 5485.0, 5651.0, 5362.0, 5438.0, 5528.0, 5674.0, 5707.0, 5454.0, 5524.0, 5461.0, 5653.0, 5440.0, 5562.0, 5680.0, 5696.0, 5322.0, 5704.0, 5473.0, 5532.0, 5350.0, 5426.0, 5491.0, 5614.0, 5647.0, 5266.0, 5590.0, 5457.0, 5689.0, 5687.0, 5279.0, 5622.0, 5697.0, 5630.0, 5565.0, 5712.0, 5698.0, 5272.0, 5612.0, 5608.0, 5549.0, 5395.0, 5629.0, 5409.0, 5391.0, 5339.0, 5277.0, 5453.0, 5434.0, 5604.0, 5318.0, 5270.0

						5335.0, 5557.0, 5378.0, 5711.0, 5656.0, 5370.0, 5703.0, 5283.0, 5274.0, 5320.0, 5479.0, 5358.0, 5346.0, 5588.0, 5724.0, 5430.0, 5490.0, 5683.0, 5474.0, 5418.0, 5667.0, 5663.0, 5345.0, 5399.0, 5298.0, 5281.0, 5476.0, 5648.0, 5255.0, 5341.0, 5543.0, 5522.0, 5293.0, 5347.0, 5577.0, 5289.0, 5655.0, 5305.0, 5467.0, 5449.0 (number of hits: 2)
24	5500	9	1	333	1	5718.0, 5315.0, 5506.0, 5424.0, 5509.0, 5288.0, 5492.0, 5402.0, 5696.0, 5325.0, 5422.0, 5286.0, 5513.0, 5592.0, 5452.0, 5264.0, 5362.0, 5403.0, 5702.0, 5466.0, 5721.0, 5567.0, 5490.0, 5536.0, 5401.0, 5493.0, 5328.0, 5566.0, 5545.0, 5636.0, 5599.0, 5504.0, 5432.0, 5669.0, 5250.0, 5348.0, 5722.0, 5709.0, 5551.0, 5306.0, 5304.0, 5347.0, 5568.0, 5455.0, 5453.0, 5265.0, 5635.0, 5499.0, 5564.0, 5314.0, 5307.0, 5491.0, 5317.0, 5404.0, 5425.0, 5385.0, 5457.0, 5697.0, 5337.0, 5626.0, 5723.0, 5625.0, 5458.0, 5640.0, 5685.0, 5508.0, 5633.0, 5705.0, 5586.0, 5354.0, 5489.0, 5690.0, 5485.0, 5415.0, 5547.0, 5512.0, 5565.0, 5571.0, 5428.0, 5390.0, 5584.0, 5313.0, 5666.0, 5484.0, 5583.0, 5597.0, 5655.0, 5448.0, 5284.0, 5503.0, 5439.0, 5594.0, 5668.0, 5529.0, 5525.0, 5527.0, 5623.0, 5585.0, 5274.0, 5627.0 (number of hits: 10)
25	5500	9	1	333	1	5670.0, 5304.0, 5298.0, 5609.0, 5276.0, 5676.0, 5547.0, 5657.0, 5644.0, 5469.0, 5696.0, 5270.0, 5663.0, 5368.0, 5643.0, 5716.0, 5338.0, 5260.0, 5595.0, 5274.0, 5435.0, 5626.0, 5608.0, 5353.0, 5706.0, 5687.0, 5564.0, 5658.0, 5587.0, 5418.0, 5413.0, 5404.0, 5649.0, 5420.0, 5403.0, 5478.0, 5554.0, 5628.0, 5585.0, 5611.0, 5678.0, 5627.0, 5434.0, 5632.0, 5462.0, 5283.0, 5477.0, 5313.0, 5606.0, 5634.0, 5647.0, 5693.0, 5367.0, 5303.0, 5351.0, 5575.0, 5378.0, 5355.0, 5451.0, 5301.0, 5458.0, 5661.0, 5317.0, 5256.0, 5408.0, 5592.0, 5288.0, 5411.0, 5341.0, 5571.0, 5544.0, 5695.0, 5568.0, 5573.0, 5684.0, 5548.0, 5503.0, 5605.0, 5315.0, 5636.0, 5254.0, 5565.0, 5701.0, 5412.0, 5689.0, 5299.0, 5460.0, 5294.0, 5359.0, 5615.0, 5383.0, 5494.0, 5339.0, 5567.0, 5667.0, 5570.0, 5488.0, 5602.0, 5386.0, 5480.0 (number of hits: 2)
26	5500	9	1	333	1	5282.0, 5376.0, 5616.0, 5483.0, 5532.0, 5304.0, 5692.0, 5463.0, 5679.0, 5607.0, 5592.0, 5392.0, 5498.0, 5579.0, 5278.0, 5677.0, 5382.0, 5570.0, 5460.0, 5633.0, 5659.0, 5553.0, 5704.0, 5685.0, 5562.0, 5459.0, 5599.0, 5683.0, 5319.0, 5630.0, 5373.0, 5449.0, 5654.0, 5612.0, 5603.0, 5655.0, 5350.0, 5615.0, 5565.0, 5325.0, 5578.0, 5347.0, 5643.0, 5660.0, 5648.0,

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28	5500	9	1	333	1	5382.0, 5583.0, 5284.0, 5386.0, 5327.0, 5637.0, 5251.0, 5320.0, 5492.0, 5572.0, 5566.0, 5641.0, 5536.0, 5692.0, 5602.0, 5710.0, 5450.0, 5267.0, 5715.0, 5672.0, 5274.0, 5516.0, 5460.0, 5376.0, 5452.0, 5675.0, 5304.0, 5596.0, 5513.0, 5532.0, 5611.0, 5366.0, 5599.0, 5548.0, 5707.0, 5275.0, 5551.0, 5649.0, 5331.0, 5545.0, 5259.0, 5556.0, 5341.0, 5663.0, 5697.0, 5661.0, 5333.0, 5614.0, 5603.0, 5288.0, 5719.0, 5429.0, 5660.0, 5395.0, 5498.0, 5289.0, 5420.0, 5430.0, 5271.0, 5589.0, 5357.0, 5355.0, 5591.0, 5509.0, 5679.0, 5438.0, 5427.0, 5453.0, 5337.0, 5298.0, 5300.0, 5326.0, 5263.0, 5255.0, 5619.0, 5315.0, 5354.0, 5723.0, 5670.0, 5377.0, 5407.0, 5329.0, 5524.0, 5323.0, 5542.0, 5307.0, 5488.0, 5704.0, 5579.0, 5388.0, 5564.0, 5281.0, 5702.0, 5553.0, 5286.0, 5317.0, 5409.0, 5613.0, 5383.0, 5722.0 (number of hits: 3)
29	5500	9	1	333	1	5416.0, 5682.0, 5424.0, 5277.0, 5459.0, 5663.0, 5451.0, 5492.0, 5558.0, 5370.0, 5296.0, 5525.0, 5549.0, 5401.0, 5685.0, 5629.0, 5678.0, 5291.0, 5328.0, 5302.0, 5711.0, 5437.0, 5706.0, 5684.0, 5691.0, 5600.0, 5389.0, 5657.0, 5671.0, 5548.0,

						5404.0, 5375.0, 5493.0, 5645.0, 5366.0, 5347.0, 5510.0, 5557.0, 5340.0, 5544.0, 5380.0, 5409.0, 5539.0, 5686.0, 5373.0, 5420.0, 5360.0, 5531.0, 5554.0, 5597.0, 5694.0, 5703.0, 5624.0, 5487.0, 5561.0, 5334.0, 5507.0, 5379.0, 5697.0, 5547.0, 5383.0, 5304.0, 5670.0, 5288.0, 5430.0, 5680.0, 5648.0, 5419.0, 5584.0, 5374.0, 5357.0, 5448.0, 5605.0, 5594.0, 5392.0, 5515.0, 5501.0, 5520.0, 5425.0, 5687.0, 5524.0, 5638.0, 5283.0, 5349.0, 5666.0, 5683.0, 5352.0, 5405.0, 5269.0, 5595.0, 5267.0, 5261.0, 5415.0, 5618.0, 5602.0, 5265.0, 5295.0, 5509.0, 5320.0, 5535.0 (number of hits: 5)
30	5500	9	1	333	1	5610.0, 5653.0, 5641.0, 5365.0, 5287.0, 5711.0, 5678.0, 5460.0, 5450.0, 5612.0, 5328.0, 5256.0, 5587.0, 5568.0, 5345.0, 5692.0, 5688.0, 5594.0, 5480.0, 5364.0, 5299.0, 5515.0, 5721.0, 5279.0, 5476.0, 5656.0, 5523.0, 5706.0, 5335.0, 5369.0, 5443.0, 5565.0, 5352.0, 5276.0, 5670.0, 5274.0, 5264.0, 5329.0, 5462.0, 5533.0, 5441.0, 5597.0, 5258.0, 5474.0, 5444.0, 5490.0, 5283.0, 5350.0, 5442.0, 5647.0, 5717.0, 5548.0, 5615.0, 5376.0, 5659.0, 5527.0, 5250.0, 5259.0, 5459.0, 5384.0, 5452.0, 5319.0, 5349.0, 5395.0, 5432.0, 5581.0, 5322.0, 5475.0, 5467.0, 5698.0, 5295.0, 5359.0, 5375.0, 5309.0, 5637.0, 5491.0, 5567.0, 5257.0, 5360.0, 5446.0, 5498.0, 5325.0, 5346.0, 5371.0, 5354.0, 5676.0, 5419.0, 5697.0, 5473.0, 5471.0, 5273.0, 5575.0, 5390.0, 5449.0, 5583.0, 5657.0, 5292.0, 5530.0, 5539.0, 5520.0 (number of hits: 3)

5510 MHz, 40 MHz Bandwidth

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

Please refer to the following statistical tables:

Table-1A/1B Radar Type 1A/1B Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5491	63	1	838	1
2	5491	59	1	898	1
3	5491	62	1	858	1
4	5491	67	1	798	1
5	5491	58	1	918	1
6	5491	81	1	658	1
7	5491	92	1	578	1
8	5491	78	1	678	1
9	5491	86	1	618	1
10	5491	57	1	938	1
11	5510	76	1	698	1
12	5510	74	1	718	1
13	5510	95	1	558	1
14	5510	83	1	638	1
15	5510	99	1	538	1
16	5510	35	1	1543	1
17	5510	67	1	791	1
18	5510	25	1	2192	1
19	5510	34	1	1566	1
20	5510	20	1	2752	1
21	5530	48	1	1102	1
22	5530	48	1	1117	1
23	5530	68	1	785	1
24	5530	46	1	1170	1
25	5530	19	1	2861	1
26	5530	19	1	2880	1
27	5530	38	1	1405	1
28	5530	23	1	2367	1
29	5530	74	1	720	1
30	5530	26	1	2035	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5491	28	2.5	195	1
2	5491	25	1.5	207	1
3	5491	27	1.6	167	1
4	5491	28	2.3	204	1
5	5491	29	4	189	1
6	5491	25	3	203	1
7	5491	27	2.7	207	1
8	5491	24	4.4	188	1
9	5491	25	3.1	170	0
10	5491	25	3	158	1
11	5510	29	4.2	223	1
12	5510	27	4	212	1
13	5510	24	2.3	197	1
14	5510	28	2.7	173	1
15	5510	26	2.4	228	1
16	5510	28	4.4	181	0
17	5510	29	3.1	204	1
18	5510	28	1.5	171	1
19	5510	26	3.7	192	0
20	5510	28	4.6	192	0
21	5530	27	2.7	156	1
22	5530	29	1.5	217	1
23	5530	29	4.5	173	0
24	5530	28	3.4	227	1
25	5530	27	4.3	220	1
26	5530	23	1.2	221	1
27	5530	25	4.9	197	0
28	5530	29	3.6	169	1
29	5530	25	2.3	221	1
30	5530	24	3.1	152	1
Detection Percentage: 80 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5491	18	9.1	206	1
2	5491	17	7.4	434	0
3	5491	18	6.4	239	1
4	5491	18	8.6	389	1
5	5491	18	7.9	259	1
6	5491	17	7.5	301	1
7	5491	17	9.6	460	1
8	5491	17	7.5	319	1
9	5491	16	8.5	396	1
10	5491	18	7.7	473	1
11	5510	18	9.9	297	1
12	5510	17	6.6	279	1
13	5510	18	6.9	385	1
14	5510	17	7.7	251	0
15	5510	17	7.8	399	0
16	5510	18	6.1	202	1
17	5510	16	6	284	1
18	5510	17	7.2	456	1
19	5510	18	7.6	230	1
20	5510	17	10	370	1
21	5530	16	8.1	238	1
22	5530	18	9.7	230	1
23	5530	17	8.2	439	1
24	5530	17	7.8	436	1
25	5530	17	7.1	316	1
26	5530	16	8.3	443	1
27	5530	18	6.7	459	1
28	5530	16	9	473	1
29	5530	18	8.6	293	1
30	5530	17	8.6	206	1
Detection Percentage: 90 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5491	12	14.3	317	1
2	5491	14	17.3	293	1
3	5491	14	17.8	473	1
4	5491	13	11.9	347	1
5	5491	13	13.4	413	1
6	5491	12	11	316	1
7	5491	16	13.9	299	0
8	5491	13	14.2	257	1
9	5491	16	13.4	310	1
10	5491	12	15.4	366	0
11	5510	16	17.6	231	1
12	5510	14	16.2	334	1
13	5510	12	12.3	420	1
14	5510	15	13.6	429	1
15	5510	12	11.8	498	1
16	5510	13	11.3	205	1
17	5510	14	14.3	460	1
18	5510	12	15.8	398	1
19	5510	14	13.2	200	0
20	5510	13	12	332	1
21	5530	14	12.5	434	1
22	5530	16	14.3	242	1
23	5530	13	11.6	223	1
24	5530	13	19.6	221	1
25	5530	15	15.6	230	1
26	5530	13	12.4	304	1
27	5530	16	14.1	306	1
28	5530	15	18.1	343	1
29	5530	15	13.1	213	1
30	5530	14	15.3	279	1
Detection Percentage: 90 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5510	1
2	5510	1
3	5510	1
4	5510	1
5	5510	1
6	5510	0
7	5510	1
8	5510	1
9	5510	1
10	5510	1
11	5495.0	1
12	5495.4	1
13	5499.0	0
14	5493.4	1
15	5493.8	1
16	5498.6	1
17	5494.2	1
18	5496.4	1
19	5498.4	1
20	5498.0	1
21	5523.6	1
22	5521.2	1
23	5520.4	0
24	5524.0	1
25	5521.2	1
26	5524.0	1
27	5523.6	1
28	5520.8	1
29	5521.2	1
30	5524.8	1
Detection Percentage: 90 % (>80%)		

Bin5 Statistics 1

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	72.2	1448		0.33497	1
1	1	14	60.9			1.19123	
2	1	14	84.3			3.2563	
3	2	14	57.6	1249		3.585244	
4	2	14	79.6	1118		5.294839	
5	2	14	60.3	1990		5.573909	
6	2	14	68.7	1784		7.627774	
7	2	14	50.4	1815		8.087801	
8	2	14	73.9	1971		9.547371	
9	2	14	68.4	1477		9.843671	
10	2	14	92.1	1452		11.523337	

Bin5 Statistics 2

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	88.7	1243		0.780343	1
1	3	12	53	1826	1080	2.321821	
2	3	12	98.4	1273	1039	2.77211	
3	2	12	79.1	1249		4.564262	
4	2	12	80	1909		5.361066	
5	2	12	99	1139		6.579806	
6	2	12	64.9	1461		7.881233	
7	1	12	50.8			8.738376	
8	1	12	83.1			9.92254	
9	1	12	86			11.703512	

Bin5 Statistics 3

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	95.3	1922	1195	0.861917	1
1	2	7	70.9	1607		1.432514	
2	3	7	57.4	1239	1592	2.382154	
3	3	7	57.2	1359	1219	2.938372	
4	3	7	78.1	1080	1447	3.766468	
5	2	7	70.7	1311		5.210271	
6	3	7	97.4	1516	1602	6.399995	
7	2	7	60.8	1420		7.326121	
8	2	7	93.7	1971		7.696827	
9	3	7	79.2	1927	1284	8.825504	
10	2	7	97.4	1944		9.266195	
11	2	7	77.3	1505		10.741068	
12	1	7	62.7			11.796602	

Bin5 Statistics 4

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	63.6	1779		0.631841	1
1	1	7	53.2			1.443562	
2	2	7	51.4	1289		2.154721	
3	3	7	78.2	1955	1792	2.848208	
4	1	7	77.9			3.265925	
5	3	7	63.9	1890	1003	4.296353	
6	3	7	76.4	1905	1058	5.377646	
7	3	7	67.2	1665	1129	5.769509	
8	3	7	85.4	1413	1734	7.072055	
9	2	7	64.9	1503		7.223569	
10	2	7	89	1252		8.270874	
11	2	7	74	1281		8.867583	
12	2	7	59.8	1040		10.015011	
13	2	7	93.2	1985		10.72385	
14	2	7	86.5	1534		11.654121	

Bin5 Statistics 5

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	77	1556		0.443044	1
1	3	7	84.7	1870	1687	1.283144	
2	1	7	64.5			2.205921	
3	1	7	52.4			2.981454	
4	2	7	62.4	1858		3.483482	
5	1	7	96.8			4.304458	
6	2	7	89.9	1891		4.928997	
7	2	7	96.1	1957		5.570756	
8	3	7	51.8	1304	1274	6.444296	
9	2	7	88.9	1559		6.852901	
10	2	7	90.2	1782		7.949219	
11	2	7	84.9	1595		8.701831	
12	2	7	54.8	1530		9.158733	
13	2	7	68.1	1325		9.935386	
14	2	7	83.9	1702		10.917503	
15	1	7	80.4			11.372255	

Bin5 Statistics 6

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	76.5			0.699909	0
1	2	11	93.4	1149		2.286218	
2	2	11	77.6	1300		3.451084	
3	1	11	96.9			4.705004	
4	1	11	60.8			5.519287	
5	2	11	65.3	1647		6.274598	
6	3	11	56.4	1942	1365	7.335995	
7	1	11	65.3			9.36188	
8	2	11	83	1334		10.02124	
9	2	11	52.7	1786		11.621906	

Bin5 Statistics 7

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	56.4			0.439599	1
1	3	15	97.6	1942	1787	0.916269	
2	1	15	50.7			2.137201	
3	3	15	89.1	1260	1823	2.494937	
4	2	15	69.6	1979		3.848151	
5	2	15	70.1	1984		4.541996	
6	3	15	76.1	1270	1235	5.470852	
7	3	15	50.1	1659	1928	5.784696	
8	3	15	65	1511	1258	6.804771	
9	2	15	78.7	1307		7.775571	
10	2	15	68.2	1621		8.682549	
11	3	15	72.9	1718	1098	8.948021	
12	2	15	88.9	1247		10.023777	
13	2	15	67.1	1507		10.833208	
14	3	15	82.4	1517	1452	11.362002	

Bin5 Statistics 8

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	82.4	1068		0.293636	1
1	1	11	58.7			1.009712	
2	1	11	62.7			1.76173	
3	3	11	54.2	1700	1978	1.806539	
4	3	11	98.2	1501	1645	2.817321	
5	2	11	85.7	1389		3.097517	
6	2	11	98.7	1183		4.086733	
7	3	11	92.1	1911	1289	4.608238	
8	2	11	56.3	1078		5.209809	
9	2	11	91.4	1363		5.629395	
10	2	11	52.6	1899		6.5573	
11	3	11	80.5	1075	1945	7.015581	
12	3	11	78.1	1664	1940	7.440617	
13	1	11	54.4			8.053487	
14	3	11	64.3	1195	1585	8.856686	
15	2	11	54.1	1682		9.274003	
16	2	11	75.2	1655		9.771471	
17	3	11	77.2	1501	1689	10.769645	
18	1	11	87.3			11.202133	
19	2	11	73.5	1015		11.808701	

Bin5 Statistics 9

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	99.2			0.903326	1
1	3	11	94.2	1329	1163	2.276184	
2	2	11	73.9	1384		3.560165	
3	2	11	51.1	1245		4.267553	
4	1	11	50.7			5.062605	
5	1	11	66.8			6.135362	
6	3	11	76.9	1604	1399	8.346763	
7	2	11	85.7	1909		9.190762	
8	3	11	81.7	1653	1570	9.713738	
9	2	11	76.9	1985		11.24196	

Bin5 Statistics 10

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	96.4	1557		0.12581	1
1	2	14	69.2	1903		1.30312	
2	2	14	86.1	1975		2.388984	
3	1	14	51.4			3.929724	
4	2	14	67.9	1930		5.116715	
5	2	14	92	1982		5.596878	
6	2	14	51.7	1707		6.751197	
7	2	14	74.3	1721		8.71119	
8	2	14	77.8	1512		9.381809	
9	1	14	84.4			9.947842	
10	1	14	61.8			11.094993	

Bin5 Statistics 11

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	80.8	1106		0.739028	1
1	1	10	68.3			2.007129	
2	2	10	81.1	1431		2.752182	
3	2	10	50.2	1409		5.25709	
4	1	10	51			5.421101	
5	3	10	81.3	1016	1310	6.678255	
6	2	10	50.6	1329		8.594272	
7	2	10	53	1437		10.384316	
8	2	10	90.2	1381		10.863755	

Bin5 Statistics 12

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	95.1	1886		0.643746	1
1	1	11	74.9			1.159471	
2	3	11	53	1292	1127	1.535016	
3	2	11	69.8	1869		2.32089	
4	3	11	100	1511	1377	3.508146	
5	2	11	80.3	1597		4.224074	
6	1	11	50.1			5.168816	
7	3	11	61.2	1247	1728	5.33345	
8	2	11	58.4	1776		6.271241	
9	2	11	91.8	1303		7.320304	
10	2	11	63.8	1224		7.85896	
11	3	11	73.7	1278	1769	8.305058	
12	2	11	65.3	1985		9.076261	
13	3	11	69.9	1580	1283	9.788518	
14	2	11	85.8	1398		10.871274	
15	2	11	98.7	1173		11.4326	

Bin5 Statistics 13

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	66.9	1101		0.491788	0
1	2	20	88.5	1885		0.662245	
2	2	20	71.5	1389		1.493835	
3	2	20	61.5	1756		2.488466	
4	1	20	90.4			2.764504	
5	1	20	66.3			3.431429	
6	3	20	71	1264	1202	3.844872	
7	2	20	95.3	1132		4.76886	
8	3	20	93.4	1800	1627	5.65913	
9	2	20	56.7	1262		6.276525	
10	2	20	66.4	1837		6.580855	
11	2	20	96.6	1227		7.400928	
12	2	20	66.3	1588		7.88069	
13	2	20	93.4	1843		8.579434	
14	2	20	87.4	1778		9.407776	
15	1	20	92.9			9.581171	
16	1	20	53			10.154012	
17	2	20	78.9	1776		10.972873	
18	1	20	50.6			11.593039	

Bin5 Statistics 14

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	72.8	1877		0.224639	1
1	2	6	75.6	1791		1.115464	
2	1	6	55.5			1.618523	
3	1	6	81.4			2.319979	
4	1	6	86.1			2.923284	
5	3	6	52.1	1786	1895	3.488475	
6	3	6	94.4	1856	1439	3.94985	
7	2	6	57.5	1868		4.39585	
8	3	6	89.6	1480	1297	5.059437	
9	2	6	92.5	1740		5.942208	
10	2	6	93.8	1678		6.589902	
11	2	6	79.6	1045		7.162305	
12	2	6	82.6	1267		7.708979	
13	3	6	67.1	1338	1175	8.05212	
14	3	6	52	1659	1973	8.523737	
15	3	6	59.1	1078	1153	9.574063	
16	1	6	64.8			9.719738	
17	2	6	62.3	1968		10.63847	
18	2	6	64.6	1985		11.305318	
19	2	6	87.3	1798		11.405822	

Bin5 Statistics 15

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	77.5			0.440573	1
1	2	7	69.5	1226		1.668539	
2	3	7	62.4	1824	1993	3.278775	
3	3	7	61.3	1419	1119	4.402322	
4	3	7	52.2	1756	1463	5.664656	
5	2	7	64	1569		6.976727	
6	2	7	67.3	1613		7.849755	
7	1	7	60.2			9.195063	
8	2	7	81	1346		9.761215	
9	1	7	95.9			11.271459	

Bin5 Statistics 16

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	95.5	1166		0.868726	1
1	3	19	88.1	1680	1518	1.694687	
2	3	19	51.1	1583	1851	2.145527	
3	2	19	81.7	1753		3.210209	
4	2	19	66.4	1091		4.05339	
5	2	19	88.3	1926		5.194632	
6	2	19	83.4	1826		6.305114	
7	3	19	65.1	1988	1497	7.445868	
8	2	19	84.1	1098		8.61398	
9	2	19	75.1	1522		9.527162	
10	2	19	85.7	1488		10.94774	
11	3	19	78.6	1073	1040	11.494095	

Bin5 Statistics 17

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	63.1	1343		0.373708	1
1	1	8	91.8			1.357944	
2	1	8	68.2			2.274443	
3	1	8	77.3			2.405791	
4	1	8	89.1			3.727831	
5	1	8	61.6			4.260465	
6	2	8	91.2	1317		4.884013	
7	3	8	68.4	1415	1408	6.297742	
8	1	8	89.2			6.823691	
9	1	8	70.3			7.775515	
10	3	8	55.5	1941	1613	8.792832	
11	2	8	75.8	1212		9.26021	
12	1	8	78.3			9.745283	
13	2	8	61.3	1646		10.426818	
14	2	8	98.9	1376		11.814873	

Bin5 Statistics 18

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	70.7	1877	1228	0.494131	1
1	2	11	74.1	1870		1.611633	
2	2	11	67.8	1931		2.415242	
3	2	11	75.5	1826		2.960239	
4	2	11	92.3	1100		4.104778	
5	3	11	85.3	1673	1759	5.096757	
6	2	11	68.3	1932		5.260296	
7	2	11	57.2	1171		6.841249	
8	1	11	81.1			6.904204	
9	2	11	75	1374		8.118472	
10	2	11	91.4	1074		8.758179	
11	3	11	92	1354	1481	9.879107	
12	3	11	98.6	1229	1961	10.597286	
13	1	11	91.4			11.800642	

Bin5 Statistics 19

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	98	1782	1823	0.004332	1
1	2	16	88.1	1739		1.625067	
2	2	16	68	1301		1.835121	
3	2	16	50.6	1186		3.051029	
4	2	16	94.9	1116		3.50189	
5	2	16	74.8	1342		4.373361	
6	3	16	81.5	1739	1737	5.754635	
7	2	16	80.3	1975		6.514963	
8	2	16	59.3	1303		7.177764	
9	3	16	50.3	1779	1095	8.169542	
10	1	16	59.8			8.771592	
11	3	16	77.3	1425	1560	9.439204	
12	3	16	55.2	1420	1379	10.767091	
13	2	16	85.1	1719		11.402927	

Bin5 Statistics 20

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	60	1162		0.274574	1
1	1	15	81			1.596238	
2	2	15	96.3	1109		1.794403	
3	2	15	59.1	1636		2.880284	
4	2	15	74.8	1201		3.627469	
5	2	15	95	1022		4.697625	
6	2	15	83.6	1126		5.367929	
7	2	15	72.3	1966		6.200209	
8	2	15	64.1	1271		6.981612	
9	2	15	73.4	1074		7.514481	
10	2	15	72.2	1959		8.09346	
11	1	15	67			8.987243	
12	3	15	53.4	1538	1019	10.141062	
13	3	15	53.9	1253	1725	11.046568	
14	3	15	61.7	1614	1710	11.882961	

Bin5 Statistics 21

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	80.8	1051		0.423354	1
1	1	11	82.8			0.775067	
2	3	11	98.1	1731	1400	1.766752	
3	1	11	84.5			2.512818	
4	3	11	78.4	1912	1588	2.749595	
5	2	11	94.2	1110		3.211248	
6	1	11	85.6			4.296016	
7	2	11	57.1	1391		4.909054	
8	2	11	98.7	1699		5.540285	
9	2	11	72.9	1851		5.848935	
10	1	11	74.8			6.872852	
11	2	11	63.9	1030		6.97218	
12	1	11	82			7.919268	
13	2	11	85.6	1972		8.484941	
14	2	11	91	1377		8.863168	
15	2	11	55	1251		9.842572	
16	3	11	84.7	1124	1292	10.186631	
17	3	11	90.3	1845	1189	11.104747	
18	2	11	84	1517		11.46629	

Bin5 Statistics 22

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	94.8	1841	1612	0.469097	1
1	2	17	90.4	1139		0.909026	
2	3	17	79.9	1824	1690	1.859733	
3	2	17	55.6	1422		2.646696	
4	2	17	64	1401		3.021011	
5	3	17	52.5	1102	1037	3.689007	
6	1	17	88.2			4.626807	
7	3	17	77.7	1989	1968	4.764274	
8	3	17	80.1	1623	1405	5.520902	
9	2	17	73.2	1910		6.424178	
10	1	17	88.3			7.279884	
11	3	17	76.5	1642	1239	7.61057	
12	1	17	87			8.431998	
13	2	17	61.8	1751		8.838722	
14	3	17	88.2	1151	1307	9.900656	
15	1	17	70.5			10.208574	
16	2	17	77.1	1046		11.130443	
17	1	17	77.3			11.837385	

Bin5 Statistics 23

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	54	1689		1.384029	0
1	2	19	84.1	1626		2.477638	
2	3	19	63.3	1424	1372	3.447371	
3	3	19	60.5	1747	1168	5.498833	
4	2	19	53.9	1381		6.096713	
5	2	19	85.6	1463		7.850043	
6	1	19	62.9			10.210868	
7	1	19	72.3			11.625575	

Bin5 Statistics 24

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	53.6	1534		0.7305	1
1	2	10	51.3	1129		1.151218	
2	3	10	96	1612	1285	1.837347	
3	2	10	61.5	1426		2.532193	
4	1	10	63.3			3.428149	
5	2	10	89.7	1995		4.595885	
6	1	10	59.5			4.952124	
7	1	10	91.8			6.102952	
8	2	10	78.7	1992		6.916609	
9	2	10	90.7	1713		7.329424	
10	3	10	52.6	1372	1726	8.215354	
11	3	10	73.7	1296	1759	8.811996	
12	1	10	74.6			9.930162	
13	2	10	92.9	1365		10.848984	
14	3	10	93.1	1275	1623	11.364121	

Bin5 Statistics 25

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	90.6			0.17246	1
1	1	17	69.6			0.970637	
2	1	17	54			2.086889	
3	3	17	60.3	1154	1367	3.392965	
4	1	17	96.7			4.34006	
5	2	17	50.8	1297		4.893074	
6	2	17	72.6	1578		5.727208	
7	3	17	65.5	1015	1941	6.668486	
8	2	17	55	1075		8.240862	
9	3	17	56.6	1755	1860	9.163852	
10	2	17	93.3	1798		10.103083	
11	2	17	88.2	1490		10.249782	
12	2	17	74.6	1117		11.897288	

Bin5 Statistics 26

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	67.8	1129	1530	0.707981	1
1	2	10	95.4	1956		1.667705	
2	1	10	69.3			1.999373	
3	2	10	63	1717		2.995814	
4	2	10	80.1	1870		3.527046	
5	2	10	74.7	1075		4.798794	
6	3	10	81.1	1836	1820	5.847113	
7	3	10	69.2	1452	1772	6.551763	
8	1	10	79.6			7.23304	
9	2	10	97.8	1300		8.169552	
10	1	10	88.3			8.766685	
11	1	10	75.8			9.440592	
12	1	10	55.2			10.32753	
13	2	10	91.9	1411		11.829779	

Bin5 Statistics 27

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	91.7	1962		0.6628	1
1	1	11	95			1.012832	
2	2	11	96.2	1952		2.188707	
3	2	11	70.8	1866		2.383197	
4	2	11	68.6	1035		3.474232	
5	1	11	50.5			3.881902	
6	2	11	69.7	1187		4.564897	
7	3	11	60.6	1382	1896	5.98523	
8	2	11	92.1	1829		6.715221	
9	2	11	90.6	1967		7.13237	
10	2	11	63.7	1587		7.600409	
11	1	11	56			8.34901	
12	1	11	92.4			9.216039	
13	2	11	94.7	1485		10.307018	
14	2	11	63.7	1559		11.168421	
15	3	11	61.1	1487	1069	11.786769	

Bin5 Statistics 28

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	93.8	1863		0.086846	1
1	2	18	66.4	1298		0.685765	
2	1	18	57.1			1.711081	
3	1	18	52.7			2.08849	
4	1	18	66.4			2.925666	
5	2	18	64.9	1494		3.433912	
6	1	18	94.1			3.827261	
7	3	18	95.5	1693	1402	4.73301	
8	3	18	69.6	1942	1236	5.380933	
9	3	18	97.3	1209	1999	5.80089	
10	3	18	81.5	1610	1400	6.415032	
11	1	18	96.9			7.285362	
12	2	18	73.1	1830		7.943506	
13	2	18	87	1191		8.539963	
14	3	18	69	1709	1988	9.084514	
15	2	18	85.1	1912		9.793894	
16	2	18	79.2	1391		10.328938	
17	3	18	94.6	1330	1642	10.844493	
18	1	18	89			11.465643	

Bin5 Statistics 29

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	85.8	1878		0.292332	1
1	2	17	85.7	1425		1.575915	
2	1	17	75.7			3.334147	
3	2	17	60.8	1782		4.561405	
4	2	17	61.5	1642		5.783473	
5	2	17	89.7	1339		6.7304	
6	1	17	82.2			9.019392	
7	1	17	85.6			9.518517	
8	2	17	68	1922		10.86761	

Bin5 Statistics 30

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	51.5	1387	1473	0.501874	1
1	1	8	82.3			1.87116	
2	3	8	80.9	1423	1146	2.662149	
3	1	8	88.3			3.906137	
4	2	8	86.9	1654		4.80622	
5	2	8	76.6	1273		5.610127	
6	3	8	77.6	1117	1392	6.935714	
7	2	8	85.5	1193		7.938531	
8	3	8	95.4	1457	1325	9.649191	
9	3	8	89.3	1043	1158	10.225254	
10	2	8	51	1898		11.622516	

Table-6 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	5394.0, 5552.0, 5620.0, 5472.0, 5674.0, 5707.0, 5534.0, 5673.0, 5611.0, 5390.0, 5287.0, 5256.0, 5432.0, 5672.0, 5320.0, 5636.0, 5292.0, 5511.0, 5498.0, 5651.0, 5251.0, 5440.0, 5400.0, 5371.0, 5317.0, 5346.0, 5492.0, 5644.0, 5471.0, 5389.0, 5484.0, 5366.0, 5526.0, 5283.0, 5422.0, 5444.0, 5558.0, 5717.0, 5372.0, 5424.0, 5473.0, 5608.0, 5464.0, 5446.0, 5675.0, 5457.0, 5313.0, 5405.0, 5695.0, 5431.0, 5678.0, 5468.0, 5561.0, 5358.0, 5549.0, 5316.0, 5426.0, 5505.0, 5326.0, 5705.0, 5507.0, 5491.0, 5268.0, 5461.0, 5284.0, 5691.0, 5408.0, 5568.0, 5670.0, 5642.0, 5460.0, 5467.0, 5599.0, 5429.0, 5257.0, 5584.0, 5509.0, 5708.0, 5275.0, 5311.0, 5269.0, 5375.0, 5715.0, 5638.0, 5681.0, 5295.0, 5685.0, 5385.0, 5692.0, 5367.0, 5518.0, 5447.0, 5402.0, 5483.0, 5263.0, 5706.0, 5614.0, 5289.0, 5652.0, 5322.0 (number of hits: 9)
2	5510	9	1	333	1	5525.0, 5614.0, 5314.0, 5473.0, 5685.0, 5440.0, 5482.0, 5486.0, 5478.0, 5655.0, 5699.0, 5690.0, 5332.0, 5656.0, 5252.0, 5425.0, 5457.0, 5618.0, 5700.0, 5456.0, 5682.0, 5342.0, 5485.0, 5429.0, 5647.0, 5586.0, 5262.0, 5549.0, 5634.0, 5707.0, 5565.0, 5306.0, 5648.0, 5428.0, 5386.0, 5636.0, 5573.0, 5627.0, 5680.0, 5289.0, 5594.0, 5503.0, 5668.0, 5508.0, 5375.0, 5256.0, 5673.0, 5542.0, 5554.0, 5269.0, 5371.0, 5571.0, 5369.0, 5331.0, 5640.0, 5380.0, 5319.0, 5281.0, 5356.0, 5499.0, 5378.0, 5365.0, 5316.0, 5305.0, 5600.0, 5469.0, 5396.0, 5706.0, 5522.0, 5657.0, 5435.0, 5556.0, 5391.0, 5373.0, 5468.0, 5433.0, 5601.0, 5661.0, 5608.0, 5709.0, 5460.0, 5389.0, 5703.0, 5471.0, 5622.0, 5563.0, 5254.0, 5349.0, 5376.0, 5613.0, 5424.0, 5458.0, 5574.0, 5653.0, 5463.0, 5598.0, 5602.0, 5388.0, 5596.0, 5382.0 (number of hits: 5)
3	5510	9	1	333	1	5270.0, 5314.0, 5694.0, 5662.0, 5614.0, 5705.0, 5626.0, 5659.0, 5352.0, 5661.0, 5394.0, 5465.0, 5419.0, 5670.0, 5696.0, 5492.0, 5347.0, 5483.0, 5539.0, 5586.0, 5635.0, 5265.0, 5597.0, 5378.0, 5399.0, 5440.0, 5255.0, 5290.0, 5384.0, 5633.0, 5578.0, 5259.0, 5663.0, 5317.0, 5638.0, 5619.0, 5572.0, 5700.0, 5552.0, 5567.0, 5267.0, 5261.0, 5686.0, 5644.0, 5435.0, 5592.0, 5266.0, 5555.0, 5643.0, 5722.0, 5278.0, 5602.0, 5268.0, 5478.0, 5704.0, 5328.0, 5389.0, 5434.0, 5709.0, 5416.0, 5331.0, 5697.0, 5413.0, 5593.0, 5660.0

						5629.0, 5257.0, 5442.0, 5505.0, 5654.0, 5637.0, 5521.0, 5320.0, 5443.0, 5658.0, 5280.0, 5363.0, 5528.0, 5342.0, 5253.0, 5431.0, 5355.0, 5588.0, 5251.0, 5277.0, 5573.0, 5368.0, 5288.0, 5680.0, 5410.0, 5491.0, 5293.0, 5411.0, 5354.0, 5330.0, 5429.0, 5594.0, 5340.0, 5548.0, 5430.0 (number of hits: 5)
4	5510	9	1	333	1	5312.0, 5602.0, 5341.0, 5279.0, 5321.0, 5692.0, 5492.0, 5690.0, 5259.0, 5649.0, 5660.0, 5700.0, 5430.0, 5414.0, 5464.0, 5359.0, 5329.0, 5572.0, 5500.0, 5693.0, 5388.0, 5358.0, 5348.0, 5542.0, 5327.0, 5606.0, 5504.0, 5599.0, 5610.0, 5685.0, 5254.0, 5591.0, 5540.0, 5673.0, 5679.0, 5620.0, 5285.0, 5518.0, 5605.0, 5439.0, 5366.0, 5330.0, 5353.0, 5302.0, 5611.0, 5667.0, 5288.0, 5424.0, 5502.0, 5299.0, 5390.0, 5413.0, 5450.0, 5337.0, 5481.0, 5618.0, 5494.0, 5644.0, 5297.0, 5720.0, 5265.0, 5641.0, 5351.0, 5669.0, 5708.0, 5340.0, 5253.0, 5585.0, 5541.0, 5701.0, 5355.0, 5537.0, 5652.0, 5400.0, 5487.0, 5698.0, 5489.0, 5662.0, 5712.0, 5403.0, 5549.0, 5638.0, 5565.0, 5432.0, 5632.0, 5658.0, 5451.0, 5268.0, 5300.0, 5552.0, 5382.0, 5519.0, 5587.0, 5515.0, 5513.0, 5508.0, 5357.0, 5362.0, 5370.0, 5588.0 (number of hits: 10)
5	5510	9	1	333	1	5330.0, 5708.0, 5340.0, 5393.0, 5634.0, 5497.0, 5428.0, 5465.0, 5513.0, 5581.0, 5595.0, 5408.0, 5529.0, 5554.0, 5261.0, 5383.0, 5398.0, 5507.0, 5421.0, 5473.0, 5263.0, 5254.0, 5390.0, 5396.0, 5332.0, 5617.0, 5302.0, 5400.0, 5541.0, 5720.0, 5568.0, 5585.0, 5394.0, 5314.0, 5593.0, 5700.0, 5486.0, 5656.0, 5430.0, 5322.0, 5313.0, 5424.0, 5548.0, 5694.0, 5643.0, 5645.0, 5510.0, 5426.0, 5338.0, 5458.0, 5566.0, 5277.0, 5503.0, 5564.0, 5549.0, 5463.0, 5613.0, 5715.0, 5443.0, 5565.0, 5650.0, 5514.0, 5582.0, 5500.0, 5467.0, 5556.0, 5657.0, 5712.0, 5683.0, 5535.0, 5357.0, 5560.0, 5506.0, 5702.0, 5576.0, 5452.0, 5557.0, 5611.0, 5453.0, 5385.0, 5719.0, 5546.0, 5495.0, 5618.0, 5578.0, 5533.0, 5456.0, 5324.0, 5494.0, 5620.0, 5440.0, 5297.0, 5485.0, 5363.0, 5675.0, 5540.0, 5553.0, 5412.0, 5299.0, 5597.0 (number of hits: 10)
6	5510	9	1	333	1	5324.0, 5668.0, 5275.0, 5695.0, 5453.0, 5617.0, 5595.0, 5512.0, 5657.0, 5417.0, 5674.0, 5618.0, 5425.0, 5643.0, 5348.0, 5522.0, 5548.0, 5676.0, 5354.0, 5607.0, 5459.0, 5278.0, 5605.0, 5685.0, 5486.0, 5331.0, 5515.0, 5490.0, 5517.0, 5315.0, 5714.0, 5532.0, 5344.0, 5339.0, 5681.0, 5571.0, 5360.0, 5721.0, 5304.0, 5520.0, 5610.0, 5410.0, 5504.0, 5578.0, 5281.0, 5593.0, 5528.0, 5350.0, 5434.0, 5390.0,

						5330.0, 5680.0, 5615.0, 5337.0, 5594.0, 5717.0, 5720.0, 5284.0, 5463.0, 5499.0, 5262.0, 5414.0, 5642.0, 5538.0, 5723.0, 5342.0, 5328.0, 5438.0, 5440.0, 5608.0, 5415.0, 5454.0, 5293.0, 5333.0, 5401.0, 5563.0, 5462.0, 5421.0, 5514.0, 5294.0, 5540.0, 5398.0, 5326.0, 5573.0, 5543.0, 5679.0, 5370.0, 5688.0, 5697.0, 5411.0, 5537.0, 5289.0, 5684.0, 5485.0, 5470.0, 5711.0, 5632.0, 5383.0, 5477.0, 5621.0 (number of hits: 9)
7	5510	9	1	333	1	5579.0, 5689.0, 5258.0, 5682.0, 5391.0, 5524.0, 5352.0, 5680.0, 5427.0, 5550.0, 5396.0, 5371.0, 5305.0, 5446.0, 5348.0, 5357.0, 5257.0, 5714.0, 5686.0, 5506.0, 5260.0, 5369.0, 5597.0, 5594.0, 5556.0, 5621.0, 5333.0, 5421.0, 5319.0, 5584.0, 5264.0, 5663.0, 5676.0, 5330.0, 5488.0, 5673.0, 5678.0, 5347.0, 5589.0, 5310.0, 5432.0, 5651.0, 5455.0, 5662.0, 5362.0, 5280.0, 5385.0, 5711.0, 5252.0, 5520.0, 5647.0, 5702.0, 5338.0, 5416.0, 5254.0, 5364.0, 5591.0, 5334.0, 5497.0, 5342.0, 5290.0, 5318.0, 5500.0, 5327.0, 5378.0, 5627.0, 5610.0, 5615.0, 5691.0, 5705.0, 5492.0, 5499.0, 5614.0, 5375.0, 5504.0, 5600.0, 5543.0, 5709.0, 5625.0, 5358.0, 5450.0, 5457.0, 5408.0, 5555.0, 5306.0, 5456.0, 5376.0, 5315.0, 5569.0, 5671.0, 5570.0, 5409.0, 5652.0, 5388.0, 5677.0, 5283.0, 5395.0, 5713.0, 5485.0, 5560.0 (number of hits: 8)
8	5510	9	1	333	1	5295.0, 5309.0, 5525.0, 5302.0, 5270.0, 5703.0, 5275.0, 5602.0, 5336.0, 5296.0, 5696.0, 5672.0, 5562.0, 5524.0, 5321.0, 5617.0, 5492.0, 5289.0, 5667.0, 5312.0, 5477.0, 5717.0, 5520.0, 5528.0, 5643.0, 5623.0, 5616.0, 5563.0, 5367.0, 5402.0, 5590.0, 5494.0, 5632.0, 5533.0, 5257.0, 5424.0, 5350.0, 5675.0, 5330.0, 5706.0, 5518.0, 5433.0, 5444.0, 5370.0, 5566.0, 5676.0, 5536.0, 5284.0, 5316.0, 5272.0, 5410.0, 5692.0, 5383.0, 5332.0, 5467.0, 5414.0, 5521.0, 5638.0, 5550.0, 5685.0, 5256.0, 5511.0, 5422.0, 5519.0, 5486.0, 5345.0, 5376.0, 5660.0, 5355.0, 5653.0, 5656.0, 5499.0, 5425.0, 5359.0, 5407.0, 5251.0, 5371.0, 5279.0, 5547.0, 5436.0, 5554.0, 5699.0, 5647.0, 5697.0, 5475.0, 5469.0, 5372.0, 5400.0, 5317.0, 5509.0, 5339.0, 5657.0, 5286.0, 5679.0, 5324.0, 5652.0, 5476.0, 5707.0, 5413.0, 5464.0 (number of hits: 12)
9	5510	9	1	333	1	5505.0, 5543.0, 5461.0, 5685.0, 5478.0, 5518.0, 5263.0, 5399.0, 5703.0, 5585.0, 5393.0, 5510.0, 5428.0, 5496.0, 5316.0, 5262.0, 5411.0, 5711.0, 5677.0, 5663.0, 5519.0, 5719.0, 5628.0, 5612.0, 5436.0, 5590.0, 5610.0, 5290.0, 5437.0, 5253.0, 5353.0, 5348.0, 5406.0, 5521.0, 5602.0,

						5431.0, 5604.0, 5501.0, 5301.0, 5591.0, 5697.0, 5337.0, 5416.0, 5642.0, 5638.0, 5562.0, 5547.0, 5441.0, 5607.0, 5365.0, 5568.0, 5669.0, 5558.0, 5423.0, 5265.0, 5623.0, 5634.0, 5433.0, 5666.0, 5609.0, 5391.0, 5415.0, 5625.0, 5560.0, 5480.0, 5256.0, 5476.0, 5320.0, 5644.0, 5297.0, 5497.0, 5307.0, 5508.0, 5286.0, 5277.0, 5648.0, 5314.0, 5557.0, 5640.0, 5351.0, 5287.0, 5457.0, 5445.0, 5706.0, 5698.0, 5599.0, 5654.0, 5398.0, 5707.0, 5258.0, 5308.0, 5381.0, 5339.0, 5313.0, 5655.0, 5714.0, 5289.0, 5531.0, 5699.0, 5526.0 (number of hits: 10)
10	5510	9	1	333	1	5487.0, 5684.0, 5436.0, 5286.0, 5485.0, 5293.0, 5630.0, 5585.0, 5321.0, 5719.0, 5693.0, 5282.0, 5590.0, 5691.0, 5717.0, 5325.0, 5550.0, 5643.0, 5317.0, 5278.0, 5645.0, 5486.0, 5451.0, 5457.0, 5372.0, 5674.0, 5368.0, 5676.0, 5559.0, 5327.0, 5592.0, 5288.0, 5391.0, 5419.0, 5377.0, 5634.0, 5322.0, 5534.0, 5395.0, 5659.0, 5340.0, 5713.0, 5330.0, 5277.0, 5318.0, 5680.0, 5588.0, 5664.0, 5342.0, 5479.0, 5494.0, 5409.0, 5682.0, 5450.0, 5335.0, 5339.0, 5700.0, 5503.0, 5695.0, 5551.0, 5660.0, 5694.0, 5621.0, 5652.0, 5490.0, 5563.0, 5348.0, 5412.0, 5337.0, 5560.0, 5407.0, 5714.0, 5496.0, 5708.0, 5566.0, 5405.0, 5605.0, 5309.0, 5622.0, 5709.0, 5300.0, 5616.0, 5544.0, 5541.0, 5491.0, 5537.0, 5539.0, 5690.0, 5602.0, 5398.0, 5556.0, 5620.0, 5601.0, 5371.0, 5604.0, 5279.0, 5666.0, 5303.0, 5707.0, 5332.0 (number of hits: 4)
11	5510	9	1	333	1	5469.0, 5512.0, 5496.0, 5403.0, 5384.0, 5688.0, 5538.0, 5371.0, 5642.0, 5666.0, 5504.0, 5309.0, 5324.0, 5396.0, 5598.0, 5438.0, 5351.0, 5286.0, 5399.0, 5547.0, 5358.0, 5699.0, 5651.0, 5532.0, 5491.0, 5259.0, 5586.0, 5511.0, 5344.0, 5361.0, 5272.0, 5711.0, 5347.0, 5319.0, 5571.0, 5683.0, 5349.0, 5353.0, 5583.0, 5334.0, 5285.0, 5322.0, 5325.0, 5338.0, 5331.0, 5552.0, 5310.0, 5499.0, 5411.0, 5378.0, 5472.0, 5306.0, 5708.0, 5275.0, 5292.0, 5635.0, 5563.0, 5613.0, 5478.0, 5369.0, 5654.0, 5367.0, 5565.0, 5584.0, 5445.0, 5714.0, 5405.0, 5307.0, 5715.0, 5658.0, 5288.0, 5475.0, 5479.0, 5395.0, 5420.0, 5655.0, 5323.0, 5379.0, 5585.0, 5517.0, 5432.0, 5441.0, 5660.0, 5407.0, 5709.0, 5455.0, 5359.0, 5345.0, 5690.0, 5503.0, 5308.0, 5633.0, 5352.0, 5561.0, 5303.0, 5402.0, 5724.0, 5509.0, 5490.0, 5645.0 (number of hits: 9)
12	5510	9	1	333	1	5300.0, 5448.0, 5722.0, 5459.0, 5560.0, 5593.0, 5384.0, 5282.0, 5295.0, 5318.0, 5611.0, 5262.0, 5272.0, 5619.0, 5302.0, 5723.0, 5267.0, 5343.0, 5640.0, 5407.0,

						5649.0, 5605.0, 5473.0, 5396.0, 5277.0, 5316.0, 5296.0, 5492.0, 5373.0, 5652.0, 5357.0, 5439.0, 5561.0, 5636.0, 5562.0, 5539.0, 5401.0, 5521.0, 5308.0, 5475.0, 5566.0, 5555.0, 5660.0, 5498.0, 5399.0, 5483.0, 5470.0, 5476.0, 5610.0, 5695.0, 5513.0, 5397.0, 5312.0, 5269.0, 5278.0, 5678.0, 5378.0, 5596.0, 5433.0, 5289.0, 5252.0, 5340.0, 5422.0, 5700.0, 5348.0, 5501.0, 5650.0, 5452.0, 5530.0, 5344.0, 5586.0, 5284.0, 5721.0, 5712.0, 5645.0, 5716.0, 5628.0, 5280.0, 5567.0, 5415.0, 5392.0, 5570.0, 5317.0, 5550.0, 5339.0, 5326.0, 5322.0, 5342.0, 5321.0, 5575.0, 5487.0, 5286.0, 5576.0, 5701.0, 5634.0, 5643.0, 5571.0, 5332.0, 5406.0, 5388.0 (number of hits: 5)
13	5510	9	1	333	1	5492.0, 5686.0, 5381.0, 5294.0, 5302.0, 5353.0, 5562.0, 5497.0, 5369.0, 5406.0, 5301.0, 5366.0, 5385.0, 5586.0, 5588.0, 5289.0, 5504.0, 5655.0, 5491.0, 5649.0, 5344.0, 5699.0, 5609.0, 5258.0, 5262.0, 5575.0, 5659.0, 5387.0, 5463.0, 5548.0, 5433.0, 5634.0, 5711.0, 5323.0, 5254.0, 5480.0, 5261.0, 5561.0, 5296.0, 5584.0, 5365.0, 5264.0, 5553.0, 5475.0, 5478.0, 5479.0, 5691.0, 5256.0, 5427.0, 5696.0, 5626.0, 5270.0, 5571.0, 5589.0, 5319.0, 5709.0, 5460.0, 5464.0, 5308.0, 5703.0, 5682.0, 5329.0, 5693.0, 5386.0, 5664.0, 5551.0, 5275.0, 5531.0, 5566.0, 5594.0, 5509.0, 5714.0, 5450.0, 5585.0, 5540.0, 5612.0, 5263.0, 5483.0, 5257.0, 5265.0, 5468.0, 5542.0, 5358.0, 5484.0, 5285.0, 5618.0, 5445.0, 5446.0, 5539.0, 5431.0, 5476.0, 5287.0, 5599.0, 5583.0, 5391.0, 5604.0, 5371.0, 5401.0, 5260.0, 5395.0 (number of hits: 5)
14	5510	9	1	333	1	5612.0, 5286.0, 5363.0, 5256.0, 5252.0, 5253.0, 5375.0, 5347.0, 5570.0, 5676.0, 5330.0, 5421.0, 5706.0, 5290.0, 5527.0, 5269.0, 5497.0, 5499.0, 5689.0, 5495.0, 5321.0, 5580.0, 5341.0, 5404.0, 5383.0, 5441.0, 5469.0, 5359.0, 5487.0, 5362.0, 5310.0, 5660.0, 5384.0, 5343.0, 5496.0, 5546.0, 5716.0, 5365.0, 5609.0, 5400.0, 5533.0, 5398.0, 5610.0, 5280.0, 5303.0, 5299.0, 5348.0, 5320.0, 5261.0, 5440.0, 5349.0, 5607.0, 5420.0, 5501.0, 5592.0, 5454.0, 5703.0, 5416.0, 5516.0, 5564.0, 5350.0, 5437.0, 5489.0, 5714.0, 5266.0, 5677.0, 5291.0, 5545.0, 5272.0, 5376.0, 5377.0, 5268.0, 5586.0, 5335.0, 5289.0, 5512.0, 5629.0, 5367.0, 5255.0, 5447.0, 5519.0, 5491.0, 5279.0, 5702.0, 5554.0, 5622.0, 5558.0, 5547.0, 5385.0, 5304.0, 5522.0, 5498.0, 5488.0, 5402.0, 5392.0, 5317.0, 5294.0, 5417.0, 5588.0, 5463.0 (number of hits: 12)
15	5510	9	1	333	1	5331.0, 5346.0, 5377.0, 5396.0, 5516.0,

						5490.0, 5294.0, 5563.0, 5452.0, 5311.0, 5589.0, 5571.0, 5510.0, 5536.0, 5348.0, 5267.0, 5506.0, 5496.0, 5684.0, 5269.0, 5713.0, 5547.0, 5454.0, 5384.0, 5660.0, 5665.0, 5668.0, 5586.0, 5581.0, 5678.0, 5494.0, 5644.0, 5365.0, 5526.0, 5337.0, 5697.0, 5361.0, 5444.0, 5699.0, 5664.0, 5719.0, 5624.0, 5309.0, 5545.0, 5423.0, 5592.0, 5481.0, 5681.0, 5421.0, 5457.0, 5370.0, 5546.0, 5593.0, 5390.0, 5302.0, 5662.0, 5620.0, 5583.0, 5554.0, 5305.0, 5551.0, 5707.0, 5288.0, 5407.0, 5455.0, 5435.0, 5598.0, 5511.0, 5387.0, 5393.0, 5617.0, 5633.0, 5467.0, 5443.0, 5363.0, 5379.0, 5476.0, 5296.0, 5671.0, 5252.0, 5552.0, 5328.0, 5419.0, 5315.0, 5332.0, 5391.0, 5318.0, 5724.0, 5489.0, 5642.0, 5285.0, 5329.0, 5450.0, 5590.0, 5257.0, 5349.0, 5595.0, 5392.0, 5525.0, 5687.0 (number of hits: 8)
16	5510	9	1	333	1	5647.0, 5517.0, 5406.0, 5545.0, 5380.0, 5502.0, 5339.0, 5514.0, 5604.0, 5575.0, 5670.0, 5505.0, 5589.0, 5408.0, 5490.0, 5293.0, 5641.0, 5317.0, 5399.0, 5359.0, 5322.0, 5593.0, 5426.0, 5691.0, 5405.0, 5394.0, 5378.0, 5491.0, 5511.0, 5415.0, 5600.0, 5599.0, 5467.0, 5556.0, 5480.0, 5267.0, 5484.0, 5478.0, 5263.0, 5316.0, 5594.0, 5311.0, 5494.0, 5298.0, 5314.0, 5504.0, 5376.0, 5586.0, 5479.0, 5710.0, 5524.0, 5417.0, 5681.0, 5669.0, 5483.0, 5656.0, 5704.0, 5374.0, 5423.0, 5342.0, 5652.0, 5716.0, 5329.0, 5540.0, 5281.0, 5373.0, 5602.0, 5476.0, 5318.0, 5381.0, 5664.0, 5360.0, 5344.0, 5625.0, 5507.0, 5477.0, 5347.0, 5686.0, 5642.0, 5454.0, 5424.0, 5698.0, 5387.0, 5522.0, 5572.0, 5626.0, 5674.0, 5384.0, 5714.0, 5724.0, 5436.0, 5529.0, 5366.0, 5614.0, 5671.0, 5292.0, 5371.0, 5677.0, 5258.0, 5573.0 (number of hits: 11)
17	5510	9	1	333	1	5593.0, 5657.0, 5719.0, 5317.0, 5345.0, 5621.0, 5356.0, 5538.0, 5546.0, 5541.0, 5318.0, 5271.0, 5545.0, 5558.0, 5347.0, 5613.0, 5455.0, 5478.0, 5302.0, 5258.0, 5255.0, 5486.0, 5316.0, 5716.0, 5334.0, 5411.0, 5660.0, 5447.0, 5300.0, 5703.0, 5383.0, 5553.0, 5568.0, 5346.0, 5325.0, 5361.0, 5313.0, 5260.0, 5668.0, 5556.0, 5589.0, 5335.0, 5344.0, 5294.0, 5279.0, 5641.0, 5669.0, 5722.0, 5261.0, 5353.0, 5380.0, 5606.0, 5487.0, 5319.0, 5396.0, 5370.0, 5462.0, 5588.0, 5683.0, 5712.0, 5434.0, 5599.0, 5504.0, 5286.0, 5350.0, 5315.0, 5549.0, 5467.0, 5484.0, 5573.0, 5274.0, 5471.0, 5280.0, 5250.0, 5454.0, 5639.0, 5297.0, 5267.0, 5580.0, 5284.0, 5570.0, 5492.0, 5537.0, 5421.0, 5548.0, 5358.0, 5664.0, 5273.0, 5671.0, 5586.0, 5399.0, 5321.0, 5407.0, 5379.0, 5422.0

						5266.0, 5410.0, 5694.0, 5512.0, 5534.0 (number of hits: 3)
18	5510	9	1	333	1	5609.0, 5614.0, 5281.0, 5436.0, 5536.0, 5465.0, 5452.0, 5640.0, 5411.0, 5549.0, 5470.0, 5308.0, 5610.0, 5511.0, 5474.0, 5292.0, 5456.0, 5319.0, 5313.0, 5409.0, 5463.0, 5459.0, 5282.0, 5373.0, 5629.0, 5598.0, 5508.0, 5442.0, 5419.0, 5300.0, 5654.0, 5698.0, 5683.0, 5425.0, 5697.0, 5681.0, 5489.0, 5296.0, 5345.0, 5633.0, 5393.0, 5601.0, 5519.0, 5451.0, 5586.0, 5272.0, 5523.0, 5525.0, 5548.0, 5469.0, 5542.0, 5357.0, 5455.0, 5423.0, 5326.0, 5454.0, 5437.0, 5405.0, 5271.0, 5402.0, 5499.0, 5467.0, 5504.0, 5312.0, 5400.0, 5537.0, 5328.0, 5486.0, 5616.0, 5381.0, 5278.0, 5623.0, 5721.0, 5546.0, 5557.0, 5274.0, 5439.0, 5262.0, 5372.0, 5512.0, 5435.0, 5574.0, 5592.0, 5626.0, 5540.0, 5611.0, 5600.0, 5506.0, 5288.0, 5624.0, 5380.0, 5342.0, 5260.0, 5566.0, 5450.0, 5406.0, 5322.0, 5297.0, 5613.0, 5391.0 (number of hits: 9)
19	5510	9	1	333	1	5656.0, 5532.0, 5585.0, 5293.0, 5678.0, 5515.0, 5663.0, 5677.0, 5672.0, 5705.0, 5259.0, 5722.0, 5704.0, 5614.0, 5682.0, 5425.0, 5662.0, 5441.0, 5660.0, 5720.0, 5679.0, 5450.0, 5253.0, 5578.0, 5500.0, 5546.0, 5354.0, 5634.0, 5498.0, 5499.0, 5534.0, 5340.0, 5489.0, 5723.0, 5603.0, 5299.0, 5648.0, 5451.0, 5442.0, 5284.0, 5568.0, 5609.0, 5267.0, 5710.0, 5589.0, 5713.0, 5362.0, 5363.0, 5655.0, 5495.0, 5484.0, 5250.0, 5689.0, 5695.0, 5690.0, 5683.0, 5625.0, 5369.0, 5460.0, 5559.0, 5389.0, 5540.0, 5294.0, 5405.0, 5584.0, 5387.0, 5421.0, 5419.0, 5457.0, 5681.0, 5642.0, 5343.0, 5416.0, 5657.0, 5550.0, 5456.0, 5645.0, 5602.0, 5492.0, 5493.0, 5337.0, 5594.0, 5347.0, 5378.0, 5703.0, 5684.0, 5595.0, 5641.0, 5669.0, 5454.0, 5296.0, 5632.0, 5598.0, 5552.0, 5469.0, 5382.0, 5505.0, 5301.0, 5333.0, 5516.0 (number of hits: 9)
20	5510	9	1	333	1	5649.0, 5497.0, 5619.0, 5539.0, 5458.0, 5703.0, 5675.0, 5561.0, 5449.0, 5650.0, 5440.0, 5496.0, 5493.0, 5529.0, 5573.0, 5690.0, 5379.0, 5344.0, 5421.0, 5512.0, 5364.0, 5585.0, 5251.0, 5445.0, 5385.0, 5279.0, 5692.0, 5494.0, 5456.0, 5313.0, 5366.0, 5718.0, 5395.0, 5272.0, 5307.0, 5664.0, 5636.0, 5562.0, 5614.0, 5615.0, 5629.0, 5397.0, 5352.0, 5707.0, 5297.0, 5327.0, 5340.0, 5701.0, 5548.0, 5290.0, 5572.0, 5486.0, 5530.0, 5443.0, 5266.0, 5686.0, 5513.0, 5556.0, 5371.0, 5425.0, 5437.0, 5490.0, 5277.0, 5720.0, 5549.0, 5662.0, 5699.0, 5262.0, 5588.0, 5438.0, 5287.0, 5448.0, 5380.0, 5472.0, 5461.0, 5508.0, 5258.0, 5462.0, 5359.0, 5521.0,

						5559.0, 5545.0, 5704.0, 5595.0, 5470.0, 5665.0, 5515.0, 5610.0, 5527.0, 5267.0, 5309.0, 5392.0, 5265.0, 5358.0, 5651.0, 5280.0, 5607.0, 5396.0, 5558.0, 5499.0 (number of hits: 11)
21	5510	9	1	333	1	5256.0, 5457.0, 5420.0, 5710.0, 5370.0, 5487.0, 5640.0, 5333.0, 5473.0, 5314.0, 5530.0, 5422.0, 5480.0, 5523.0, 5604.0, 5306.0, 5463.0, 5340.0, 5708.0, 5676.0, 5362.0, 5264.0, 5574.0, 5477.0, 5673.0, 5436.0, 5286.0, 5502.0, 5550.0, 5715.0, 5466.0, 5663.0, 5606.0, 5297.0, 5636.0, 5468.0, 5315.0, 5650.0, 5592.0, 5386.0, 5637.0, 5423.0, 5537.0, 5311.0, 5630.0, 5631.0, 5450.0, 5586.0, 5393.0, 5679.0, 5588.0, 5591.0, 5517.0, 5702.0, 5320.0, 5505.0, 5471.0, 5257.0, 5296.0, 5619.0, 5295.0, 5568.0, 5389.0, 5398.0, 5411.0, 5579.0, 5670.0, 5621.0, 5513.0, 5499.0, 5437.0, 5687.0, 5255.0, 5406.0, 5533.0, 5682.0, 5377.0, 5465.0, 5593.0, 5440.0, 5271.0, 5686.0, 5446.0, 5280.0, 5665.0, 5661.0, 5308.0, 5472.0, 5638.0, 5589.0, 5675.0, 5639.0, 5452.0, 5544.0, 5410.0, 5609.0, 5662.0, 5348.0, 5671.0, 5301.0 (number of hits: 6)
22	5510	9	1	333	1	5504.0, 5372.0, 5390.0, 5376.0, 5449.0, 5357.0, 5585.0, 5672.0, 5632.0, 5536.0, 5613.0, 5303.0, 5605.0, 5299.0, 5270.0, 5408.0, 5419.0, 5588.0, 5262.0, 5266.0, 5285.0, 5319.0, 5656.0, 5599.0, 5353.0, 5593.0, 5345.0, 5272.0, 5362.0, 5391.0, 5389.0, 5442.0, 5548.0, 5344.0, 5401.0, 5496.0, 5690.0, 5354.0, 5383.0, 5253.0, 5597.0, 5515.0, 5384.0, 5538.0, 5323.0, 5267.0, 5624.0, 5577.0, 5426.0, 5378.0, 5430.0, 5306.0, 5273.0, 5347.0, 5472.0, 5651.0, 5575.0, 5394.0, 5418.0, 5514.0, 5297.0, 5321.0, 5300.0, 5301.0, 5589.0, 5649.0, 5584.0, 5492.0, 5540.0, 5567.0, 5644.0, 5309.0, 5682.0, 5716.0, 5332.0, 5490.0, 5259.0, 5560.0, 5422.0, 5612.0, 5380.0, 5711.0, 5610.0, 5468.0, 5572.0, 5434.0, 5413.0, 5614.0, 5550.0, 5407.0, 5462.0, 5379.0, 5516.0, 5314.0, 5254.0, 5368.0, 5586.0, 5268.0, 5466.0, 5487.0 (number of hits: 6)
23	5510	9	1	333	1	5510.0, 5504.0, 5630.0, 5615.0, 5325.0, 5434.0, 5356.0, 5564.0, 5522.0, 5661.0, 5379.0, 5394.0, 5662.0, 5444.0, 5376.0, 5685.0, 5288.0, 5474.0, 5596.0, 5674.0, 5313.0, 5314.0, 5669.0, 5454.0, 5481.0, 5676.0, 5399.0, 5276.0, 5500.0, 5626.0, 5261.0, 5607.0, 5601.0, 5408.0, 5549.0, 5647.0, 5529.0, 5486.0, 5614.0, 5390.0, 5436.0, 5588.0, 5687.0, 5392.0, 5407.0, 5682.0, 5298.0, 5380.0, 5303.0, 5280.0, 5340.0, 5657.0, 5579.0, 5453.0, 5267.0, 5641.0, 5535.0, 5516.0, 5505.0, 5715.0, 5326.0, 5484.0, 5517.0, 5550.0, 5396.0,

						5446.0, 5485.0, 5414.0, 5335.0, 5543.0, 5427.0, 5469.0, 5659.0, 5281.0, 5699.0, 5654.0, 5497.0, 5613.0, 5442.0, 5421.0, 5350.0, 5437.0, 5519.0, 5412.0, 5391.0, 5403.0, 5450.0, 5616.0, 5518.0, 5272.0, 5322.0, 5622.0, 5716.0, 5351.0, 5410.0, 5546.0, 5552.0, 5413.0, 5338.0, 5722.0 (number of hits: 10)
24	5510	9	1	333	1	5472.0, 5374.0, 5601.0, 5517.0, 5628.0, 5708.0, 5506.0, 5640.0, 5292.0, 5625.0, 5389.0, 5365.0, 5508.0, 5367.0, 5296.0, 5573.0, 5519.0, 5282.0, 5395.0, 5311.0, 5327.0, 5630.0, 5290.0, 5366.0, 5651.0, 5473.0, 5303.0, 5660.0, 5723.0, 5680.0, 5555.0, 5575.0, 5556.0, 5690.0, 5299.0, 5417.0, 5470.0, 5403.0, 5594.0, 5467.0, 5423.0, 5413.0, 5604.0, 5257.0, 5439.0, 5597.0, 5444.0, 5711.0, 5578.0, 5580.0, 5511.0, 5430.0, 5312.0, 5720.0, 5322.0, 5334.0, 5424.0, 5364.0, 5632.0, 5321.0, 5341.0, 5501.0, 5466.0, 5457.0, 5595.0, 5392.0, 5455.0, 5361.0, 5709.0, 5412.0, 5429.0, 5569.0, 5692.0, 5691.0, 5381.0, 5252.0, 5369.0, 5435.0, 5510.0, 5524.0, 5532.0, 5666.0, 5250.0, 5529.0, 5530.0, 5509.0, 5589.0, 5550.0, 5710.0, 5645.0, 5718.0, 5536.0, 5661.0, 5648.0, 5652.0, 5614.0, 5438.0, 5681.0, 5503.0, 5649.0 (number of hits: 10)
25	5510	9	1	333	1	5693.0, 5428.0, 5306.0, 5552.0, 5385.0, 5424.0, 5409.0, 5396.0, 5700.0, 5366.0, 5425.0, 5582.0, 5567.0, 5295.0, 5335.0, 5499.0, 5666.0, 5407.0, 5522.0, 5310.0, 5467.0, 5640.0, 5274.0, 5597.0, 5363.0, 5719.0, 5457.0, 5703.0, 5501.0, 5670.0, 5482.0, 5441.0, 5624.0, 5332.0, 5298.0, 5537.0, 5579.0, 5654.0, 5531.0, 5422.0, 5318.0, 5716.0, 5695.0, 5606.0, 5418.0, 5423.0, 5314.0, 5438.0, 5603.0, 5432.0, 5356.0, 5639.0, 5257.0, 5342.0, 5493.0, 5292.0, 5280.0, 5523.0, 5465.0, 5633.0, 5665.0, 5444.0, 5620.0, 5662.0, 5505.0, 5592.0, 5623.0, 5276.0, 5625.0, 5660.0, 5674.0, 5544.0, 5471.0, 5593.0, 5490.0, 5684.0, 5405.0, 5394.0, 5388.0, 5435.0, 5448.0, 5543.0, 5260.0, 5413.0, 5547.0, 5541.0, 5477.0, 5411.0, 5258.0, 5453.0, 5491.0, 5251.0, 5399.0, 5300.0, 5445.0, 5259.0, 5596.0, 5692.0, 5566.0, 5302.0 (number of hits: 7)
26	5510	9	1	333	1	5344.0, 5517.0, 5421.0, 5277.0, 5544.0, 5349.0, 5408.0, 5530.0, 5409.0, 5308.0, 5637.0, 5468.0, 5573.0, 5702.0, 5589.0, 5662.0, 5535.0, 5661.0, 5584.0, 5633.0, 5623.0, 5710.0, 5459.0, 5372.0, 5259.0, 5502.0, 5325.0, 5529.0, 5304.0, 5522.0, 5672.0, 5403.0, 5652.0, 5317.0, 5716.0, 5606.0, 5721.0, 5475.0, 5365.0, 5550.0, 5631.0, 5336.0, 5680.0, 5650.0, 5337.0, 5469.0, 5618.0, 5440.0, 5450.0, 5348.0,

						5358.0, 5255.0, 5638.0, 5399.0, 5385.0, 5600.0, 5374.0, 5272.0, 5497.0, 5575.0, 5412.0, 5324.0, 5477.0, 5503.0, 5630.0, 5264.0, 5693.0, 5342.0, 5619.0, 5470.0, 5320.0, 5368.0, 5387.0, 5668.0, 5723.0, 5690.0, 5350.0, 5492.0, 5439.0, 5622.0, 5667.0, 5343.0, 5539.0, 5526.0, 5691.0, 5568.0, 5318.0, 5540.0, 5674.0, 5276.0, 5388.0, 5410.0, 5715.0, 5495.0, 5315.0, 5594.0, 5519.0, 5653.0, 5449.0, 5621.0 (number of hits: 9)
27	5510	9	1	333	1	5655.0, 5557.0, 5583.0, 5689.0, 5525.0, 5316.0, 5551.0, 5676.0, 5682.0, 5409.0, 5459.0, 5712.0, 5506.0, 5569.0, 5654.0, 5425.0, 5536.0, 5635.0, 5421.0, 5521.0, 5377.0, 5500.0, 5390.0, 5683.0, 5463.0, 5626.0, 5608.0, 5445.0, 5511.0, 5426.0, 5351.0, 5261.0, 5529.0, 5503.0, 5300.0, 5578.0, 5274.0, 5286.0, 5415.0, 5709.0, 5606.0, 5392.0, 5328.0, 5520.0, 5579.0, 5266.0, 5675.0, 5568.0, 5400.0, 5417.0, 5313.0, 5604.0, 5307.0, 5256.0, 5509.0, 5271.0, 5333.0, 5418.0, 5299.0, 5381.0, 5581.0, 5662.0, 5622.0, 5470.0, 5428.0, 5558.0, 5387.0, 5706.0, 5652.0, 5412.0, 5272.0, 5255.0, 5665.0, 5253.0, 5582.0, 5550.0, 5471.0, 5454.0, 5460.0, 5571.0, 5657.0, 5309.0, 5383.0, 5553.0, 5636.0, 5408.0, 5264.0, 5698.0, 5259.0, 5301.0, 5329.0, 5336.0, 5432.0, 5375.0, 5424.0, 5633.0, 5287.0, 5542.0, 5343.0, 5541.0 (number of hits: 8)
28	5510	9	1	333	1	5567.0, 5357.0, 5475.0, 5318.0, 5592.0, 5352.0, 5358.0, 5546.0, 5432.0, 5406.0, 5594.0, 5435.0, 5574.0, 5585.0, 5571.0, 5560.0, 5680.0, 5312.0, 5602.0, 5644.0, 5495.0, 5668.0, 5403.0, 5280.0, 5440.0, 5705.0, 5347.0, 5263.0, 5323.0, 5413.0, 5303.0, 5606.0, 5702.0, 5305.0, 5433.0, 5589.0, 5507.0, 5672.0, 5539.0, 5378.0, 5677.0, 5496.0, 5683.0, 5416.0, 5658.0, 5679.0, 5445.0, 5486.0, 5343.0, 5572.0, 5504.0, 5299.0, 5541.0, 5505.0, 5284.0, 5719.0, 5700.0, 5328.0, 5267.0, 5411.0, 5506.0, 5484.0, 5460.0, 5714.0, 5676.0, 5385.0, 5257.0, 5473.0, 5653.0, 5601.0, 5468.0, 5394.0, 5279.0, 5283.0, 5617.0, 5588.0, 5663.0, 5625.0, 5533.0, 5301.0, 5294.0, 5427.0, 5474.0, 5711.0, 5292.0, 5559.0, 5256.0, 5366.0, 5266.0, 5384.0, 5598.0, 5418.0, 5428.0, 5616.0, 5255.0, 5675.0, 5566.0, 5329.0, 5707.0, 5648.0 (number of hits: 6)
29	5510	9	1	333	1	5415.0, 5392.0, 5600.0, 5682.0, 5456.0, 5374.0, 5521.0, 5357.0, 5523.0, 5566.0, 5650.0, 5383.0, 5712.0, 5323.0, 5268.0, 5426.0, 5666.0, 5655.0, 5692.0, 5653.0, 5707.0, 5304.0, 5592.0, 5394.0, 5549.0, 5527.0, 5306.0, 5504.0, 5630.0, 5259.0, 5319.0, 5613.0, 5358.0, 5558.0, 5420.0,

						5701.0, 5355.0, 5672.0, 5495.0, 5647.0, 5499.0, 5384.0, 5276.0, 5569.0, 5614.0, 5512.0, 5603.0, 5532.0, 5704.0, 5294.0, 5448.0, 5567.0, 5318.0, 5553.0, 5287.0, 5723.0, 5270.0, 5419.0, 5659.0, 5265.0, 5544.0, 5554.0, 5631.0, 5346.0, 5575.0, 5387.0, 5652.0, 5483.0, 5617.0, 5594.0, 5497.0, 5687.0, 5673.0, 5257.0, 5656.0, 5344.0, 5262.0, 5320.0, 5429.0, 5494.0, 5542.0, 5385.0, 5425.0, 5665.0, 5342.0, 5598.0, 5300.0, 5530.0, 5591.0, 5305.0, 5315.0, 5565.0, 5699.0, 5482.0, 5378.0, 5451.0, 5404.0, 5669.0, 5636.0, 5417.0 (number of hits: 9)
30	5510	9	1	333	1	5631.0, 5430.0, 5704.0, 5530.0, 5635.0, 5369.0, 5461.0, 5477.0, 5723.0, 5499.0, 5347.0, 5639.0, 5671.0, 5621.0, 5485.0, 5566.0, 5476.0, 5703.0, 5522.0, 5462.0, 5526.0, 5433.0, 5607.0, 5392.0, 5699.0, 5412.0, 5605.0, 5505.0, 5656.0, 5560.0, 5348.0, 5614.0, 5362.0, 5534.0, 5474.0, 5493.0, 5454.0, 5668.0, 5263.0, 5365.0, 5395.0, 5261.0, 5406.0, 5427.0, 5597.0, 5606.0, 5709.0, 5501.0, 5696.0, 5456.0, 5609.0, 5661.0, 5540.0, 5262.0, 5579.0, 5545.0, 5619.0, 5312.0, 5435.0, 5667.0, 5346.0, 5268.0, 5626.0, 5479.0, 5411.0, 5596.0, 5662.0, 5441.0, 5700.0, 5592.0, 5515.0, 5707.0, 5717.0, 5401.0, 5323.0, 5350.0, 5460.0, 5511.0, 5367.0, 5565.0, 5610.0, 5490.0, 5544.0, 5317.0, 5676.0, 5319.0, 5672.0, 5450.0, 5514.0, 5618.0, 5396.0, 5388.0, 5442.0, 5655.0, 5291.0, 5414.0, 5721.0, 5536.0, 5577.0, 5539.0 (number of hits: 9)

5530 MHz, 80 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	93.3 %	60%	Pass
Type 2	30	76.7 %	60%	Pass
Type 3	30	86.7 %	60%	Pass
Type 4	30	86.7 %	60%	Pass
Aggregate (Type1 to 4)	120	85.8 %	80%	Pass
Type 5	30	96.7 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

Table-1A/1B Radar Type 1A/1B Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5492	65	1	818	1
2	5492	78	1	678	1
3	5492	61	1	878	1
4	5492	95	1	558	1
5	5492	63	1	838	1
6	5530	89	1	598	1
7	5530	18	1	3066	0
8	5530	99	1	538	1
9	5530	68	1	778	1
10	5530	58	1	918	1
11	5568	86	1	618	1
12	5568	74	1	718	1
13	5568	83	1	638	1
14	5568	76	1	698	1
15	5568	67	1	798	1
16	5492	19	1	2923	1
17	5492	59	1	899	1
18	5492	24	1	2218	1
19	5492	22	1	2448	0
20	5492	31	1	1730	1
21	5530	63	1	846	1
22	5530	43	1	1230	1
23	5530	29	1	1833	1
24	5530	51	1	1045	1
25	5530	99	1	536	1
26	5568	27	1	1978	1
27	5568	25	1	2195	1
28	5568	54	1	990	1
29	5568	37	1	1450	1
30	5568	73	1	726	1
Detection Percentage: 93.3 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5492	29	3.4	157	1
2	5492	25	3.1	181	1
3	5492	25	1.8	228	1
4	5492	23	1	216	1
5	5492	26	2.2	165	1
6	5492	29	3.8	214	1
7	5492	25	2.6	165	0
8	5492	25	1.5	192	0
9	5492	25	4.8	174	1
10	5492	25	3.1	165	1
11	5530	27	1.7	211	1
12	5530	27	2.9	189	1
13	5530	23	3	193	0
14	5530	23	1.9	153	1
15	5530	27	1.9	215	1
16	5530	25	3.1	188	1
17	5530	23	1.4	206	1
18	5530	28	2.6	153	0
19	5530	23	3.6	172	1
20	5530	26	1.3	172	0
21	5568	28	1.7	214	1
22	5568	25	2.4	218	1
23	5568	24	4	208	0
24	5568	28	2.1	199	1
25	5568	24	4.9	211	1
26	5568	29	3.4	180	1
27	5568	25	2.2	180	1
28	5568	29	2.6	213	1
29	5568	27	1.5	206	0
30	5568	26	3.1	152	1
Detection Percentage: 76.7 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5492	18	6.3	482	1
2	5492	18	6.8	212	1
3	5492	18	7.6	451	1
4	5492	17	7.4	495	1
5	5492	16	7.8	389	1
6	5492	18	8.1	427	1
7	5492	18	8	288	1
8	5492	18	8.7	204	1
9	5492	17	9	477	0
10	5492	16	6.5	223	1
11	5530	16	9.9	433	1
12	5530	16	9.1	477	1
13	5530	18	6.9	333	1
14	5530	16	9.3	343	1
15	5530	16	9	256	0
16	5530	16	6.5	373	1
17	5530	17	6.1	326	1
18	5530	17	7.6	457	1
19	5530	17	7.1	456	1
20	5530	18	7.2	247	0
21	5568	16	9.4	425	1
22	5568	17	7.6	497	1
23	5568	16	7.4	438	1
24	5568	17	9.2	314	1
25	5568	17	8.3	288	1
26	5568	18	7.7	373	0
27	5568	18	7.3	211	1
28	5568	18	9.4	321	1
29	5568	17	6.1	431	1
30	5568	17	7	421	1
Detection Percentage: 86.7 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5492	15	19.7	356	1
2	5492	12	18.3	270	1
3	5492	16	14.9	277	1
4	5492	16	14.1	423	1
5	5492	14	12.8	380	1
6	5492	15	17.8	401	0
7	5492	13	13.9	299	1
8	5492	14	19.8	488	1
9	5492	12	13.8	239	1
10	5492	14	15.7	424	0
11	5530	12	12.9	303	1
12	5530	15	11.2	288	1
13	5530	14	17.4	222	1
14	5530	13	14	227	1
15	5530	13	13.4	468	1
16	5530	16	11.8	204	1
17	5530	13	18.5	482	0
18	5530	16	11.8	262	1
19	5530	15	14.5	484	1
20	5530	15	12.4	447	1
21	5568	15	13	469	1
22	5568	12	18.6	390	1
23	5568	15	19.9	460	1
24	5568	16	18.2	427	1
25	5568	16	18.7	218	1
26	5568	16	13.6	500	1
27	5568	15	16.1	230	1
28	5568	15	14.4	229	1
29	5568	15	19.1	243	1
30	5568	14	11.2	250	0
Detection Percentage: 86.7 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5530	1
2	5530	1
3	5530	1
4	5530	1
5	5530	1
6	5530	1
7	5530	1
8	5530	1
9	5530	1
10	5530	1
11	549.64	1
12	5500.0	1
13	5496.0	1
14	5494.4	1
15	5497.2	1
16	5499.6	1
17	5498.8	1
18	5496.0	1
19	5494.4	1
20	5495.6	1
21	5564.8	1
22	5562.4	1
23	5565.6	0
24	5560.4	1
25	5563.6	1
26	5562.8	1
27	5560.8	1
28	5564.8	1
29	5562.0	1
30	5566.0	1
Detection Percentage: 96.7% (>80%)		

Bin5 Statistics 1

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	71.6	1660	1501	0.345402	1
1	2	9	93.6	1502		0.754147	
2	2	9	68.5	1958		1.886095	
3	1	9	74.4			2.20297	
4	1	9	58.8			2.671806	
5	2	9	63.5	1895		3.295935	
6	3	9	51.8	1052	1444	4.12971	
7	2	9	66.2	1441		4.940948	
8	1	9	61.3			5.155974	
9	1	9	93.9			5.754064	
10	3	9	68.6	1338	1341	6.622183	
11	2	9	96.9	1680		7.028271	
12	2	9	50.8	1298		7.76507	
13	2	9	56.7	1182		8.708594	
14	2	9	69.6	1512		9.24826	
15	2	9	56.9	1701		9.927144	
16	2	9	88.9	1020		10.579207	
17	2	9	86.5	1459		10.970513	
18	1	9	74.5			11.835611	

Bin5 Statistics 2

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	94.5	1478		0.435317	1
1	3	8	55.3	1525	1440	0.97253	
2	3	8	69.8	1958	1274	1.657099	
3	1	8	54.8			2.448592	
4	3	8	52	1495	1195	3.132439	
5	2	8	90.3	1105		3.353433	
6	3	8	89.5	1304	1021	4.062945	
7	2	8	66.6	1017		4.49215	
8	1	8	89.2			5.649952	
9	2	8	64.3	1081		6.085713	
10	2	8	75.2	1991		6.45112	
11	2	8	63.8	1450		7.413082	
12	2	8	73.1	1480		7.703261	
13	1	8	53.8			8.808209	
14	1	8	50.2			9.460911	
15	2	8	62.2	1330		9.958716	
16	2	8	89	1265		10.521845	
17	2	8	62.1	1198		11.030895	
18	2	8	83.2	1292		11.991656	

Bin5 Statistics 3

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	57.4	1628	1328	0.167566	1
1	3	6	94.1	1186	1666	1.118573	
2	2	6	92.9	1437		1.830261	
3	2	6	54.4	1755		2.482404	
4	3	6	72.8	1732	1387	3.218166	
5	2	6	94.9	1733		3.861015	
6	2	6	75.1	1654		4.204569	
7	3	6	91.6	1833	1079	4.890362	
8	2	6	61.1	1876		5.75907	
9	3	6	77.8	1500	1882	6.549758	
10	1	6	55.3			6.995415	
11	3	6	72.7	1447	1506	7.73281	
12	1	6	64.2			8.337331	
13	2	6	81.7	1659		8.723386	
14	3	6	83.2	1221	1713	9.804105	
15	3	6	78.4	1920	1921	10.124447	
16	3	6	77.6	1477	1851	10.67179	
17	1	6	91			11.876202	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
1	3	5	62.5	1636	1343	0.621155	1
2	1	5	88.8			1.450402	
3	2	5	86.5	1631		2.380083	
4	2	5	86.2	1741		2.477682	
5	1	5	89.8			3.067516	
6	2	5	54.1	1131		3.780038	
7	2	5	99.9	1822		4.613558	
8	2	5	59.7	1931		4.910536	
9	2	5	65.2	1748		5.590969	
10	2	5	84.6	1863		6.157794	
11	2	5	75	1089		7.155654	
12	3	5	52.7	1803	1906	7.72734	
13	1	5	97.1			8.11194	
14	2	5	58.1	1689		8.687075	
15	2	5	60.6	1923		9.112474	
16	2	5	68.9	1332		9.682725	
17	2	5	97.3	1224		10.314159	
18	3	5	74.1	1687	1528	10.945037	
19	3	5	57.2	1846	1337	11.448246	

Bin5 Statistics 5

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	1396		0.779889	1
1	2	12	75.6	1318		0.94907	
2	2	12	88.7	1327		2.605242	
3	2	12	82.6	1363		3.266892	
4	1	12	94.4			4.296282	
5	3	12	53.3	1072	1547	5.031919	
6	3	12	53.8	1222	1885	5.686478	
7	3	12	93.7	1856	1410	6.974082	
8	3	12	96	1020	1957	7.54925	
9	2	12	87.9	1393		9.134149	
10	2	12	98.1	1093		9.392059	
11	1	12	50.6			10.667838	
12	1	12	70.7			11.672824	

Bin5 Statistics 6

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	62.7	1675		0.117973	1
1	2	15	63.1	1302		1.476897	
2	2	15	89.1	1417		1.814471	
3	1	15	67.9			2.624354	
4	3	15	79.7	1451	1556	4.069557	
5	3	15	59	1770	1252	4.952839	
6	1	15	65.8			5.587929	
7	2	15	81.5	1058		6.698949	
8	1	15	74.2			7.699642	
9	3	15	68.4	1676	1357	8.516892	
10	2	15	66	1329		9.363667	
11	2	15	51.7	1289		9.866439	
12	1	15	78			10.453052	
13	2	15	66	1281		11.421758	

Bin5 Statistics 7

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	94.6			0.419764	1
1	2	5	70	1793		1.231454	
2	2	5	57.2	1287		2.518544	
3	2	5	53.8	1005		3.335728	
4	3	5	64.8	1113	1027	4.868007	
5	3	5	62.9	1042	1033	5.715694	
6	2	5	50.1	1369		6.86926	
7	1	5	69.1			8.01211	
8	2	5	77.9	1387		9.248626	
9	3	5	79.1	1166	1976	10.152385	
10	2	5	80.4	1941		11.825398	

Bin5 Statistics 8

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	66.2			0.611057	1
1	2	7	57.4	1783		2.319437	
2	1	7	97.5			3.358315	
3	1	7	59.5			4.075688	
4	3	7	92	1401	1960	5.690259	
5	2	7	78.7	1122		6.878623	
6	1	7	81.7			7.395101	
7	1	7	53.9			9.415858	
8	2	7	53.8	2000		9.88124	
9	3	7	90.5	1448	1228	11.423633	

Bin5 Statistics 9

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	53.2	1133	1029	0.10502	1
1	2	15	69.1	1623		1.058322	
2	3	15	80.2	1155	1469	2.18264	
3	1	15	82			2.796629	
4	1	15	72.8			3.179456	
5	1	15	85.8			4.40446	
6	1	15	77.8			4.71449	
7	1	15	84.1			5.738373	
8	3	15	70.5	1092	1784	6.119409	
9	3	15	70	1944	1559	7.04656	
10	1	15	83			7.971889	
11	3	15	63.5	1468	1376	8.880432	
12	2	15	53.4	1001		9.464395	
13	1	15	68			10.27156	
14	1	15	55.1			11.198037	
15	3	15	71.4	1389	1376	11.38441	

Bin5 Statistics 10

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	64.9	1384		0.054279	1
1	1	10	80.9			1.063398	
2	2	10	63.5	1030		1.481218	
3	3	10	50.5	1301	1371	2.210271	
4	1	10	76.9			2.762219	
5	2	10	74.2	1702		3.426803	
6	2	10	74.2	1264		4.100288	
7	1	10	85			4.452823	
8	2	10	58.5	1154		5.35201	
9	1	10	82.8			5.940677	
10	2	10	83.1	1128		6.639028	
11	2	10	64.1	1080		7.537711	
12	2	10	50.2	1252		7.779004	
13	3	10	78.1	1333	1641	8.312079	
14	3	10	93.3	1704	1595	9.154306	
15	3	10	64.5	1829	1713	9.844716	
16	2	10	88.4	1661		10.33032	
17	3	10	90.6	1426	1060	11.169908	
18	3	10	96.8	1667	1644	11.640995	

Bin5 Statistics 11

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	71.5	1744		0.717617	1
1	2	11	97.6	1011		1.167957	
2	1	11	78.9			1.870376	
3	1	11	84.6			2.607053	
4	2	11	78.8	1123		3.216394	
5	2	11	61.1	1693		4.306893	
6	2	11	63.3	1949		5.374713	
7	2	11	69.2	1926		6.206873	
8	2	11	88.4	1314		6.741101	
9	1	11	72.6			7.219573	
10	2	11	54.7	1650		8.230184	
11	2	11	56.3	1454		9.536104	
12	2	11	78.2	1510		10.147891	
13	1	11	64.4			10.645118	
14	2	11	90.3	1539		11.562413	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (μS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	20	67.4			1.001319	1
1	3	20	62.7	1323	1081	2.118873	
2	3	20	90	1658	1594	3.400283	
3	2	20	58.6	1851		4.007432	
4	1	20	92.3			6.183801	
5	3	20	95.9	1870	1667	6.920456	
6	2	20	89.3	1574		8.030455	
7	3	20	80.8	1602	1303	10.084126	
8	2	20	56.9	1169		11.133749	

Bin5 Statistics 13

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	70.5	1306	1892	0.172483	1
1	2	10	77.2	1228		1.039812	
2	2	10	82.5	1971		1.298131	
3	2	10	74.6	1043		1.803292	
4	1	10	75.8			2.723901	
5	2	10	57.9	1993		3.310935	
6	3	10	76.5	1329	1359	3.626771	
7	2	10	65.4	1930		4.204162	
8	2	10	98.6	1700		4.805767	
9	2	10	86.2	1055		5.756748	
10	2	10	87	1732		6.128042	
11	2	10	56.9	1728		6.795395	
12	3	10	70.1	1826	1032	7.223359	
13	2	10	97.3	1504		8.024244	
14	2	10	94.7	1457		8.59499	
15	3	10	79.2	1760	1148	9.192712	
16	3	10	94.3	1147	1441	9.969175	
17	2	10	55	1527		10.748499	
18	1	10	74.1			11.052807	
19	2	10	75.8	1589		11.872179	

Bin5 Statistics 14

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	56.3			0.063508	1
1	1	6	58.7			1.091914	
2	2	6	63.7	1502		1.910036	
3	2	6	83.5	1700		2.76066	
4	2	6	61.7	1232		3.314573	
5	1	6	85.5			4.758141	
6	2	6	73.5	1956		4.831813	
7	2	6	92.7	1437		6.032876	
8	3	6	54.4	1780	1848	6.607799	
9	1	6	90.9			7.239447	
10	3	6	97.8	1050	1038	8.14657	
11	2	6	95	1294		8.827411	
12	2	6	77.3	1014		9.720399	
13	1	6	67.4			10.583695	
14	2	6	58.9	1708		11.686733	

Bin5 Statistics 15

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	80.6	1534	1222	0.1567	1
1	2	13	87.8	1373		1.755566	
2	2	13	94.2	1158		4.103444	
3	1	13	64.7			5.819494	
4	3	13	80.8	1867	1884	7.45202	
5	2	13	76.6	1223		8.704764	
6	2	13	77.8	1349		10.44688	
7	2	13	99.6	1955		11.180859	

Bin5 Statistics 16

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	89.5	1819		0.669457	1
1	1	19	55.1			1.594251	
2	3	19	86.4	1538	1560	2.863164	
3	2	19	93.8	1710		3.18365	
4	1	19	84.6			4.726738	
5	3	19	77	1213	1482	5.151275	
6	2	19	75.6	1949		6.574419	
7	3	19	52.6	1685	1037	7.581025	
8	3	19	54.4	1449	1814	8.141386	
9	2	19	50.9	1949		9.610681	
10	1	19	88.1			10.476219	
11	2	19	80.9	1663		11.368793	

Bin5 Statistics 17

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	74.2			0.233212	1
1	2	17	95.1	1407		1.110759	
2	1	17	51.4			2.755701	
3	1	17	57.3			3.179971	
4	1	17	66.4			4.527307	
5	2	17	75	1662		5.481819	
6	2	17	55.8	1609		6.365016	
7	2	17	67.3	1153		7.824439	
8	2	17	52	1977		8.701263	
9	3	17	96.5	1145	1477	9.248385	
10	2	17	84	1609		10.057935	
11	2	17	87.3	1552		11.390353	

Bin5 Statistics 18

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	59.8			0.430573	1
1	2	10	63.2	1293		1.522858	
2	2	10	85.7	1834		2.560485	
3	3	10	53.6	1118	1721	2.901588	
4	3	10	69.9	1590	1645	3.715724	
5	3	10	81.2	1433	1493	5.472411	
6	3	10	83.8	1257	1258	6.356169	
7	3	10	96.1	1905	1376	7.022463	
8	3	10	58.9	1818	1888	8.266436	
9	2	10	61.6	1825		9.039643	
10	2	10	97.2	1169		9.287798	
11	3	10	77.8	1139	1500	10.503247	
12	2	10	95.6	1263		11.110035	

Bin5 Statistics 19

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	59.9	1896		0.797479	1
1	2	6	81	1751		2.073404	
2	2	6	64.7	1422		3.142767	
3	2	6	89.8	1558		4.404918	
4	2	6	97.3	1808		4.827161	
5	2	6	75.2	1990		6.931946	
6	2	6	64.7	1509		8.269123	
7	2	6	81.2	1717		8.805661	
8	2	6	93.5	1667		10.221072	
9	2	6	84.8	1584		10.867212	

Bin5 Statistics 20

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	58.3			0.518001	1
1	1	9	97.1			0.635042	
2	3	9	57.8	1874	1026	1.46089	
3	2	9	97.6	1199		2.27608	
4	3	9	95.2	1732	1917	2.898474	
5	2	9	94.3	1609		3.183433	
6	2	9	84.5	1988		3.930984	
7	3	9	57	1708	1505	4.491057	
8	3	9	99	1390	1067	5.524622	
9	2	9	83	1848		6.109855	
10	3	9	54.3	1166	1447	6.478379	
11	3	9	82.2	1143	1554	7.561838	
12	2	9	93.9	1362		8.025367	
13	3	9	79.3	1093	1343	8.279041	
14	1	9	87.1			9.36499	
15	2	9	85.6	1426		9.970857	
16	2	9	67.8	1589		10.575651	
17	3	9	84.5	1769	1131	10.999385	
18	2	9	57.4	1502		11.436209	

Bin5 Statistics 21

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	54.5			0.953868	1
1	2	8	87.5	1189		1.180895	
2	2	8	56.4	1853		2.336015	
3	1	8	94.5			3.455073	
4	3	8	66.7	1804	1369	4.743867	
5	2	8	55.6	1717		6.309886	
6	2	8	85.5	1680		7.625332	
7	2	8	81.5	1162		8.669628	
8	2	8	80.8	1164		8.774724	
9	3	8	73.7	1354	1700	10.521706	
10	1	8	88.5			11.6463	

Bin5 Statistics 22

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	82.7	1849		0.275685	1
1	3	14	90.4	1397	1497	0.840698	
2	1	14	91.2			1.627565	
3	2	14	57.8	1520		2.300261	
4	2	14	88.7	1892		2.855297	
5	2	14	50.4	1367		3.488741	
6	2	14	78.9	1742		3.634756	
7	2	14	81.1	1041		4.589929	
8	1	14	80.9			5.313054	
9	2	14	89.3	1552		5.46013	
10	2	14	61.3	1187		6.499023	
11	2	14	90.7	1854		7.090269	
12	3	14	59.8	1525	1311	7.254308	
13	2	14	63.1	1213		8.209136	
14	3	14	92.6	1587	1402	8.655825	
15	2	14	85.2	1931		9.484676	
16	3	14	73.3	1289	1151	9.703843	
17	3	14	69.9	1687	1742	10.419505	
18	2	14	77.4	1553		10.981505	
19	3	14	83.7	1252	1669	11.410591	

Bin5 Statistics 23

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	90.5	1760		1.315878	0
1	2	6	75.3	1858		2.247061	
2	2	6	52.5	1125		3.659745	
3	2	6	95.5	1431		4.978007	
4	1	6	67.5			6.23829	
5	2	6	54.3	1735		6.959337	
6	1	6	70.2			8.759682	
7	2	6	90	1668		9.65238	
8	2	6	51.3	1142		11.402987	

Bin5 Statistics 24

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	1602		0.394078	0
1	1	19	55.5			2.044737	
2	2	19	70.5	1596		3.055891	
3	1	19	68.7			3.417574	
4	1	19	93			4.761881	
5	2	19	91.1	1518		5.654557	
6	3	19	59.8	1848	1675	7.297015	
7	2	19	89.2	1496		7.706425	
8	1	19	98.9			9.509725	
9	2	19	55.3	1304		9.917582	
10	2	19	99.6	1542		11.1239	

Bin5 Statistics 25

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	61.2	1191	1248	0.262692	1
1	1	11	88			1.112059	
2	1	11	56.5			1.534263	
3	2	11	87.3	1962		2.644167	
4	2	11	73.2	1902		3.137074	
5	2	11	57.6	1369		3.537096	
6	2	11	65.7	1636		4.065949	
7	2	11	82.8	1450		4.862075	
8	2	11	56.8	1429		5.784306	
9	2	11	96.5	1831		6.453322	
10	3	11	69.2	1154	1441	7.091919	
11	2	11	87.8	1354		7.492697	
12	1	11	63.9			8.121765	
13	1	11	91.8			8.773848	
14	3	11	98.5	1096	1341	9.918759	
15	2	11	91.3	1885		10.040065	
16	2	11	51.8	1659		11.170067	
17	2	11	69.3	1845		11.631756	

Bin5 Statistics 26

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	92.4			0.497346	1
1	2	13	89.9	1845		1.11199	
2	2	13	70.6	1410		1.74261	
3	2	13	74.9	1164		2.079508	
4	2	13	70.4	1793		2.577326	
5	2	13	61.1	1027		3.153471	
6	2	13	54.1	1241		4.184693	
7	1	13	58.2			4.600362	
8	1	13	68.3			4.8753	
9	3	13	93.5	1608	1998	5.786739	
10	2	13	78.2	1649		6.036931	
11	1	13	88.6			6.942711	
12	2	13	70.3	1389		7.272726	
13	3	13	86.5	1983	1885	7.849762	
14	3	13	84.3	1254	1671	8.860274	
15	2	13	83.3	1079		9.231239	
16	1	13	76.9			9.717459	
17	1	13	97.2			10.445143	
18	2	13	55.5	2000		11.114322	
19	2	13	54	1923		11.615486	

Bin5 Statistics 27

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	51.4	1866	1936	0.682343	1
1	1	18	72.3			1.339828	
2	2	18	81.2	1104		2.340314	
3	2	18	95.4	1221		4.01528	
4	1	18	52.5			5.390092	
5	2	18	67.4	1074		6.176837	
6	1	18	70.9			7.598449	
7	1	18	72.6			8.642561	
8	3	18	99.8	1988	1978	9.27008	
9	3	18	87.8	1999	1721	10.57898	
10	1	18	65.2			11.775295	

Bin5 Statistics 28

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	71.8	1721	1985	0.662317	1
1	2	8	57.9	1450		1.212112	
2	2	8	50.5	1880		2.352245	
3	2	8	61.3	1215		3.196717	
4	1	8	77.1			4.159521	
5	2	8	61.6	1735		4.658067	
6	3	8	81	1806	1425	5.230642	
7	1	8	54.4			6.078891	
8	2	8	87.3	1441		7.441772	
9	2	8	50.1	1442		8.0056	
10	3	8	85.4	1352	1076	9.098775	
11	3	8	79.2	1779	1049	9.532324	
12	3	8	91.6	1615	1508	10.30986	
13	1	8	78.6			11.622287	

Bin5 Statistics 29

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	94.3			0.650509	1
1	2	15	73.4	1423		0.859068	
2	2	15	95.2	1140		2.147414	
3	2	15	87.5	1345		2.318697	
4	1	15	71.7			3.515255	
5	3	15	88.3	1833	1647	4.337925	
6	2	15	67.9	1228		4.865714	
7	1	15	59.4			5.262442	
8	2	15	98.6	1761		6.09208	
9	1	15	97.7			7.123366	
10	3	15	96.2	1566	1990	8.1725	
11	2	15	96.2	1120		8.341859	
12	2	15	61	1649		9.281034	
13	3	15	70.8	1428	1546	10.434972	
14	2	15	99.2	1037		10.988592	
15	2	15	53.1	1615		11.50834	

Bin5 Statistics 30

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	53.7	1378		0.126042	1
1	2	5	84.8	1863		1.141259	
2	2	5	50	1897		1.659853	
3	3	5	98.5	1899	1347	2.266036	
4	2	5	79.1	1006		3.044993	
5	1	5	72.1			4.187923	
6	3	5	96.8	1711	1928	4.739397	
7	3	5	91.2	1473	1628	5.639431	
8	2	5	93.5	1440		6.306517	
9	2	5	68.2	1785		6.852716	
10	2	5	75.9	1215		7.1782	
11	2	5	88.9	1620		8.230928	
12	2	5	71.7	1839		8.640386	
13	2	5	72.6	1599		9.685641	
14	2	5	97.9	1593		9.910677	
15	2	5	58.7	1087		11.115217	
16	1	5	87.8			11.99209	

Table-6 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	5298.0, 5257.0, 5589.0, 5679.0, 5259.0, 5693.0, 5325.0, 5686.0, 5372.0, 5446.0, 5614.0, 5636.0, 5605.0, 5478.0, 5510.0, 5654.0, 5307.0, 5551.0, 5274.0, 5413.0, 5348.0, 5391.0, 5302.0, 5398.0, 5613.0, 5677.0, 5536.0, 5517.0, 5369.0, 5539.0, 5481.0, 5326.0, 5617.0, 5272.0, 5404.0, 5564.0, 5511.0, 5514.0, 5527.0, 5263.0, 5500.0, 5362.0, 5361.0, 5665.0, 5624.0, 5453.0, 5292.0, 5279.0, 5681.0, 5720.0, 5459.0, 5499.0, 5288.0, 5685.0, 5438.0, 5560.0, 5392.0, 5296.0, 5711.0, 5276.0, 5585.0, 5643.0, 5496.0, 5312.0, 5631.0, 5663.0, 5520.0, 5479.0, 5284.0, 5268.0, 5390.0, 5544.0, 5449.0, 5347.0, 5552.0, 5626.0, 5698.0, 5304.0, 5716.0, 5409.0, 5712.0, 5655.0, 5661.0, 5310.0, 5507.0, 5285.0, 5621.0, 5498.0, 5488.0, 5669.0, 5667.0, 5402.0, 5575.0, 5490.0, 5547.0, 5593.0, 5541.0, 5530.0, 5322.0, 5415.0 (number of hits: 21)
2	5530	9	1	333	1	5564.0, 5667.0, 5465.0, 5656.0, 5262.0, 5476.0, 5346.0, 5449.0, 5587.0, 5358.0, 5291.0, 5552.0, 5520.0, 5694.0, 5456.0, 5423.0, 5409.0, 5313.0, 5264.0, 5665.0, 5681.0, 5268.0, 5480.0, 5321.0, 5300.0, 5548.0, 5508.0, 5354.0, 5255.0, 5311.0, 5498.0, 5651.0, 5563.0, 5429.0, 5270.0, 5604.0, 5601.0, 5576.0, 5537.0, 5323.0, 5494.0, 5326.0, 5428.0, 5546.0, 5472.0, 5271.0, 5672.0, 5316.0, 5446.0, 5629.0, 5570.0, 5283.0, 5296.0, 5619.0, 5699.0, 5554.0, 5396.0, 5351.0, 5666.0, 5363.0, 5469.0, 5527.0, 5287.0, 5341.0, 5477.0, 5327.0, 5304.0, 5513.0, 5381.0, 5580.0, 5269.0, 5639.0, 5596.0, 5543.0, 5613.0, 5378.0, 5515.0, 5636.0, 5516.0, 5468.0, 5721.0, 5562.0, 5490.0, 5617.0, 5410.0, 5314.0, 5586.0, 5557.0, 5259.0, 5697.0, 5479.0, 5588.0, 5491.0, 5724.0, 5301.0, 5695.0, 5701.0, 5371.0, 5459.0, 5544.0 (number of hits: 19)
3	5530	9	1	333	1	5534.0, 5685.0, 5718.0, 5414.0, 5457.0, 5302.0, 5688.0, 5535.0, 5487.0, 5336.0, 5669.0, 5654.0, 5691.0, 5432.0, 5666.0, 5267.0, 5379.0, 5400.0, 5588.0, 5602.0, 5380.0, 5590.0, 5715.0, 5585.0, 5319.0, 5363.0, 5555.0, 5458.0, 5471.0, 5437.0, 5443.0, 5470.0, 5343.0, 5617.0, 5386.0, 5372.0, 5690.0, 5417.0, 5678.0, 5537.0, 5396.0, 5315.0, 5618.0, 5532.0, 5701.0, 5679.0, 5633.0, 5566.0, 5581.0, 5708.0, 5433.0, 5607.0, 5290.0, 5288.0, 5642.0, 5393.0, 5493.0, 5492.0, 5466.0, 5337.0

						5262.0, 5547.0, 5333.0, 5413.0, 5436.0, 5331.0, 5422.0, 5505.0, 5592.0, 5423.0, 5472.0, 5445.0, 5357.0, 5657.0, 5404.0, 5467.0, 5572.0, 5631.0, 5684.0, 5456.0, 5670.0, 5384.0, 5673.0, 5484.0, 5272.0, 5360.0, 5370.0, 5330.0, 5416.0, 5660.0, 5474.0, 5693.0, 5468.0, 5653.0, 5608.0, 5700.0, 5583.0, 5406.0, 5529.0, 5450.0 (number of hits: 11)
4	5530	9	1	333	1	5312.0, 5549.0, 5555.0, 5517.0, 5598.0, 5282.0, 5332.0, 5694.0, 5296.0, 5322.0, 5257.0, 5251.0, 5649.0, 5531.0, 5544.0, 5573.0, 5306.0, 5490.0, 5567.0, 5354.0, 5440.0, 5685.0, 5478.0, 5701.0, 5593.0, 5357.0, 5275.0, 5583.0, 5274.0, 5611.0, 5699.0, 5668.0, 5524.0, 5713.0, 5324.0, 5367.0, 5655.0, 5336.0, 5304.0, 5462.0, 5551.0, 5510.0, 5605.0, 5408.0, 5621.0, 5494.0, 5505.0, 5483.0, 5422.0, 5323.0, 5262.0, 5548.0, 5584.0, 5511.0, 5471.0, 5704.0, 5459.0, 5533.0, 5614.0, 5623.0, 5541.0, 5253.0, 5476.0, 5278.0, 5706.0, 5255.0, 5267.0, 5384.0, 5719.0, 5328.0, 5268.0, 5603.0, 5315.0, 5259.0, 5391.0, 5412.0, 5550.0, 5702.0, 5710.0, 5698.0, 5465.0, 5695.0, 5613.0, 5485.0, 5289.0, 5369.0, 5334.0, 5442.0, 5269.0, 5542.0, 5642.0, 5431.0, 5683.0, 5418.0, 5434.0, 5527.0, 5475.0, 5288.0, 5447.0, 5482.0 (number of hits: 18)
5	5530	9	1	333	1	5269.0, 5400.0, 5343.0, 5651.0, 5426.0, 5655.0, 5467.0, 5291.0, 5322.0, 5638.0, 5389.0, 5341.0, 5260.0, 5434.0, 5682.0, 5643.0, 5425.0, 5486.0, 5660.0, 5421.0, 5405.0, 5520.0, 5362.0, 5392.0, 5718.0, 5566.0, 5325.0, 5698.0, 5720.0, 5672.0, 5664.0, 5403.0, 5397.0, 5370.0, 5661.0, 5594.0, 5645.0, 5585.0, 5607.0, 5574.0, 5553.0, 5587.0, 5301.0, 5344.0, 5627.0, 5598.0, 5677.0, 5658.0, 5264.0, 5372.0, 5338.0, 5459.0, 5432.0, 5475.0, 5337.0, 5350.0, 5588.0, 5487.0, 5622.0, 5257.0, 5679.0, 5452.0, 5472.0, 5499.0, 5454.0, 5557.0, 5383.0, 5347.0, 5505.0, 5476.0, 5478.0, 5396.0, 5252.0, 5662.0, 5546.0, 5480.0, 5717.0, 5713.0, 5323.0, 5455.0, 5306.0, 5623.0, 5261.0, 5541.0, 5606.0, 5274.0, 5313.0, 5484.0, 5688.0, 5460.0, 5513.0, 5348.0, 5250.0, 5678.0, 5633.0, 5554.0, 5422.0, 5545.0, 5364.0, 5562.0 (number of hits: 12)
6	5530	9	1	333	1	5355.0, 5401.0, 5553.0, 5440.0, 5309.0, 5592.0, 5411.0, 5720.0, 5522.0, 5410.0, 5383.0, 5585.0, 5382.0, 5265.0, 5463.0, 5390.0, 5489.0, 5490.0, 5451.0, 5259.0, 5687.0, 5656.0, 5531.0, 5263.0, 5421.0, 5512.0, 5646.0, 5668.0, 5436.0, 5283.0, 5479.0, 5582.0, 5640.0, 5322.0, 5701.0, 5586.0, 5353.0, 5619.0, 5359.0, 5254.0, 5669.0, 5367.0, 5654.0, 5508.0, 5267.0,

						5428.0, 5528.0, 5686.0, 5699.0, 5475.0, 5296.0, 5693.0, 5555.0, 5625.0, 5471.0, 5567.0, 5285.0, 5627.0, 5714.0, 5507.0, 5386.0, 5608.0, 5533.0, 5377.0, 5595.0, 5270.0, 5400.0, 5599.0, 5559.0, 5650.0, 5422.0, 5448.0, 5523.0, 5460.0, 5647.0, 5391.0, 5321.0, 5456.0, 5628.0, 5420.0, 5506.0, 5399.0, 5584.0, 5606.0, 5430.0, 5497.0, 5633.0, 5397.0, 5717.0, 5546.0, 5509.0, 5450.0, 5339.0, 5671.0, 5468.0, 5447.0, 5302.0, 5491.0, 5664.0, 5484.0 (number of hits: 16)
7	5530	9	1	333	1	5546.0, 5448.0, 5653.0, 5520.0, 5442.0, 5436.0, 5613.0, 5386.0, 5615.0, 5643.0, 5504.0, 5662.0, 5380.0, 5498.0, 5477.0, 5693.0, 5622.0, 5307.0, 5426.0, 5722.0, 5341.0, 5709.0, 5273.0, 5658.0, 5716.0, 5674.0, 5467.0, 5508.0, 5260.0, 5473.0, 5451.0, 5509.0, 5600.0, 5715.0, 5578.0, 5496.0, 5583.0, 5580.0, 5280.0, 5330.0, 5418.0, 5688.0, 5375.0, 5359.0, 5569.0, 5465.0, 5526.0, 5364.0, 5512.0, 5634.0, 5550.0, 5644.0, 5301.0, 5489.0, 5717.0, 5542.0, 5422.0, 5344.0, 5336.0, 5582.0, 5459.0, 5253.0, 5387.0, 5552.0, 5492.0, 5649.0, 5655.0, 5313.0, 5490.0, 5586.0, 5450.0, 5698.0, 5623.0, 5559.0, 5302.0, 5685.0, 5577.0, 5373.0, 5510.0, 5347.0, 5721.0, 5471.0, 5689.0, 5324.0, 5435.0, 5484.0, 5365.0, 5361.0, 5323.0, 5606.0, 5522.0, 5551.0, 5548.0, 5453.0, 5710.0, 5652.0, 5388.0, 5363.0, 5257.0, 5646.0 (number of hits: 18)
8	5530	9	1	333	1	5636.0, 5443.0, 5477.0, 5390.0, 5460.0, 5404.0, 5723.0, 5308.0, 5501.0, 5261.0, 5693.0, 5510.0, 5317.0, 5468.0, 5553.0, 5379.0, 5482.0, 5566.0, 5489.0, 5651.0, 5648.0, 5292.0, 5567.0, 5535.0, 5564.0, 5309.0, 5253.0, 5691.0, 5296.0, 5469.0, 5474.0, 5565.0, 5397.0, 5659.0, 5407.0, 5254.0, 5668.0, 5358.0, 5495.0, 5362.0, 5410.0, 5617.0, 5667.0, 5446.0, 5282.0, 5311.0, 5320.0, 5417.0, 5516.0, 5330.0, 5276.0, 5459.0, 5403.0, 5616.0, 5316.0, 5343.0, 5396.0, 5479.0, 5551.0, 5336.0, 5263.0, 5552.0, 5536.0, 5595.0, 5500.0, 5382.0, 5364.0, 5528.0, 5698.0, 5708.0, 5490.0, 5557.0, 5427.0, 5415.0, 5629.0, 5492.0, 5463.0, 5444.0, 5539.0, 5624.0, 5673.0, 5521.0, 5476.0, 5522.0, 5513.0, 5524.0, 5488.0, 5301.0, 5545.0, 5272.0, 5613.0, 5504.0, 5703.0, 5306.0, 5694.0, 5639.0, 5409.0, 5408.0, 5402.0, 5411.0 (number of hits: 24)
9	5530	9	1	333	1	5640.0, 5307.0, 5259.0, 5501.0, 5572.0, 5419.0, 5455.0, 5344.0, 5539.0, 5683.0, 5380.0, 5308.0, 5432.0, 5265.0, 5606.0, 5430.0, 5529.0, 5314.0, 5425.0, 5557.0, 5440.0, 5357.0, 5521.0, 5458.0, 5324.0, 5397.0, 5721.0, 5632.0, 5287.0, 5290.0,

						5573.0, 5414.0, 5252.0, 5478.0, 5672.0, 5270.0, 5634.0, 5315.0, 5283.0, 5545.0, 5354.0, 5431.0, 5410.0, 5409.0, 5609.0, 5412.0, 5281.0, 5567.0, 5524.0, 5312.0, 5375.0, 5552.0, 5710.0, 5255.0, 5670.0, 5598.0, 5309.0, 5407.0, 5366.0, 5581.0, 5285.0, 5627.0, 5698.0, 5275.0, 5437.0, 5656.0, 5547.0, 5413.0, 5541.0, 5549.0, 5422.0, 5429.0, 5717.0, 5404.0, 5513.0, 5576.0, 5520.0, 5253.0, 5486.0, 5589.0, 5682.0, 5447.0, 5331.0, 5420.0, 5537.0, 5257.0, 5699.0, 5592.0, 5472.0, 5706.0, 5527.0, 5639.0, 5333.0, 5358.0, 5663.0, 5536.0, 5369.0, 5522.0, 5678.0, 5364.0 (number of hits: 18)
10	5530	9	1	333	1	5281.0, 5430.0, 5646.0, 5301.0, 5584.0, 5573.0, 5485.0, 5307.0, 5512.0, 5603.0, 5524.0, 5564.0, 5693.0, 5308.0, 5581.0, 5590.0, 5550.0, 5282.0, 5416.0, 5376.0, 5495.0, 5623.0, 5441.0, 5431.0, 5361.0, 5585.0, 5336.0, 5394.0, 5674.0, 5700.0, 5672.0, 5540.0, 5722.0, 5537.0, 5582.0, 5569.0, 5384.0, 5507.0, 5332.0, 5634.0, 5491.0, 5689.0, 5464.0, 5594.0, 5697.0, 5418.0, 5423.0, 5335.0, 5388.0, 5424.0, 5397.0, 5673.0, 5538.0, 5398.0, 5273.0, 5370.0, 5406.0, 5676.0, 5626.0, 5258.0, 5579.0, 5667.0, 5560.0, 5610.0, 5662.0, 5510.0, 5527.0, 5404.0, 5651.0, 5576.0, 5533.0, 5362.0, 5266.0, 5250.0, 5542.0, 5328.0, 5426.0, 5280.0, 5341.0, 5379.0, 5691.0, 5275.0, 5392.0, 5549.0, 5481.0, 5696.0, 5681.0, 5601.0, 5261.0, 5365.0, 5720.0, 5684.0, 5466.0, 5562.0, 5563.0, 5617.0, 5412.0, 5677.0, 5260.0, 5669.0 (number of hits: 17)
11	5530	9	1	333	1	5540.0, 5467.0, 5559.0, 5580.0, 5502.0, 5541.0, 5606.0, 5330.0, 5713.0, 5568.0, 5308.0, 5512.0, 5537.0, 5286.0, 5516.0, 5617.0, 5399.0, 5716.0, 5517.0, 5690.0, 5660.0, 5352.0, 5346.0, 5427.0, 5420.0, 5474.0, 5704.0, 5434.0, 5503.0, 5536.0, 5409.0, 5414.0, 5362.0, 5403.0, 5393.0, 5390.0, 5572.0, 5421.0, 5583.0, 5445.0, 5357.0, 5714.0, 5303.0, 5481.0, 5499.0, 5515.0, 5604.0, 5510.0, 5610.0, 5423.0, 5333.0, 5566.0, 5402.0, 5314.0, 5623.0, 5718.0, 5290.0, 5405.0, 5504.0, 5632.0, 5294.0, 5530.0, 5687.0, 5618.0, 5348.0, 5471.0, 5526.0, 5710.0, 5631.0, 5281.0, 5340.0, 5261.0, 5565.0, 5589.0, 5338.0, 5453.0, 5311.0, 5339.0, 5684.0, 5327.0, 5306.0, 5385.0, 5336.0, 5452.0, 5578.0, 5387.0, 5724.0, 5505.0, 5528.0, 5671.0, 5416.0, 5543.0, 5264.0, 5506.0, 5366.0, 5650.0, 5599.0, 5256.0, 5316.0, 5277.0 (number of hits: 22)
12	5530	9	1	333	1	5584.0, 5481.0, 5354.0, 5497.0, 5391.0, 5359.0, 5641.0, 5583.0, 5608.0, 5253.0, 5661.0, 5269.0, 5650.0, 5406.0, 5254.0,

						5477.0, 5642.0, 5465.0, 5275.0, 5587.0, 5392.0, 5502.0, 5262.0, 5415.0, 5439.0, 5467.0, 5456.0, 5494.0, 5403.0, 5357.0, 5531.0, 5563.0, 5293.0, 5649.0, 5682.0, 5652.0, 5623.0, 5369.0, 5430.0, 5576.0, 5511.0, 5496.0, 5432.0, 5524.0, 5653.0, 5271.0, 5476.0, 5718.0, 5538.0, 5640.0, 5370.0, 5470.0, 5289.0, 5518.0, 5298.0, 5319.0, 5639.0, 5636.0, 5349.0, 5250.0, 5398.0, 5402.0, 5499.0, 5560.0, 5677.0, 5278.0, 5421.0, 5488.0, 5371.0, 5379.0, 5673.0, 5646.0, 5434.0, 5618.0, 5723.0, 5702.0, 5504.0, 5721.0, 5484.0, 5300.0, 5633.0, 5342.0, 5632.0, 5598.0, 5562.0, 5299.0, 5280.0, 5568.0, 5440.0, 5710.0, 5647.0, 5624.0, 5361.0, 5431.0, 5535.0, 5552.0, 5691.0, 5699.0, 5272.0, 5555.0 (number of hits: 17)
13	5530	9	1	333	1	5465.0, 5342.0, 5310.0, 5469.0, 5331.0, 5686.0, 5643.0, 5493.0, 5315.0, 5504.0, 5492.0, 5701.0, 5442.0, 5552.0, 5329.0, 5523.0, 5487.0, 5696.0, 5526.0, 5518.0, 5634.0, 5423.0, 5260.0, 5379.0, 5694.0, 5571.0, 5366.0, 5460.0, 5570.0, 5305.0, 5539.0, 5629.0, 5319.0, 5700.0, 5651.0, 5632.0, 5475.0, 5621.0, 5499.0, 5422.0, 5617.0, 5589.0, 5603.0, 5373.0, 5572.0, 5587.0, 5633.0, 5527.0, 5486.0, 5356.0, 5683.0, 5545.0, 5409.0, 5272.0, 5484.0, 5436.0, 5602.0, 5271.0, 5352.0, 5680.0, 5623.0, 5698.0, 5619.0, 5532.0, 5509.0, 5463.0, 5660.0, 5434.0, 5309.0, 5559.0, 5279.0, 5600.0, 5647.0, 5581.0, 5478.0, 5564.0, 5607.0, 5337.0, 5354.0, 5349.0, 5471.0, 5398.0, 5307.0, 5439.0, 5324.0, 5456.0, 5464.0, 5529.0, 5644.0, 5415.0, 5637.0, 5450.0, 5575.0, 5685.0, 5604.0, 5548.0, 5543.0, 5404.0, 5458.0, 5317.0 (number of hits: 18)
14	5530	9	1	333	1	5466.0, 5496.0, 5295.0, 5261.0, 5414.0, 5251.0, 5538.0, 5564.0, 5398.0, 5343.0, 5359.0, 5710.0, 5525.0, 5533.0, 5593.0, 5297.0, 5471.0, 5602.0, 5508.0, 5645.0, 5540.0, 5582.0, 5482.0, 5676.0, 5317.0, 5361.0, 5534.0, 5293.0, 5663.0, 5407.0, 5553.0, 5341.0, 5370.0, 5486.0, 5348.0, 5535.0, 5426.0, 5651.0, 5668.0, 5305.0, 5282.0, 5623.0, 5263.0, 5420.0, 5657.0, 5520.0, 5715.0, 5649.0, 5589.0, 5427.0, 5386.0, 5512.0, 5452.0, 5319.0, 5461.0, 5510.0, 5442.0, 5318.0, 5626.0, 5646.0, 5445.0, 5544.0, 5437.0, 5349.0, 5709.0, 5586.0, 5360.0, 5662.0, 5612.0, 5480.0, 5332.0, 5345.0, 5578.0, 5383.0, 5280.0, 5444.0, 5284.0, 5337.0, 5569.0, 5423.0, 5350.0, 5460.0, 5703.0, 5273.0, 5275.0, 5711.0, 5434.0, 5503.0, 5288.0, 5637.0, 5267.0, 5622.0, 5692.0, 5558.0, 5378.0, 5537.0, 5719.0, 5696.0, 5609.0, 5656.0 (number of hits: 17)

15	5530	9	1	333	1	5304.0, 5650.0, 5405.0, 5262.0, 5307.0, 5454.0, 5630.0, 5571.0, 5697.0, 5392.0, 5326.0, 5400.0, 5668.0, 5330.0, 5631.0, 5404.0, 5282.0, 5549.0, 5635.0, 5592.0, 5278.0, 5608.0, 5378.0, 5389.0, 5319.0, 5552.0, 5463.0, 5531.0, 5292.0, 5622.0, 5399.0, 5420.0, 5602.0, 5458.0, 5689.0, 5410.0, 5644.0, 5617.0, 5653.0, 5483.0, 5293.0, 5716.0, 5291.0, 5432.0, 5440.0, 5275.0, 5517.0, 5462.0, 5451.0, 5565.0, 5711.0, 5467.0, 5693.0, 5349.0, 5605.0, 5343.0, 5489.0, 5698.0, 5506.0, 5628.0, 5673.0, 5370.0, 5388.0, 5512.0, 5581.0, 5567.0, 5615.0, 5280.0, 5346.0, 5654.0, 5465.0, 5544.0, 5424.0, 5595.0, 5545.0, 5407.0, 5254.0, 5536.0, 5670.0, 5504.0, 5449.0, 5477.0, 5473.0, 5264.0, 5296.0, 5342.0, 5396.0, 5566.0, 5257.0, 5287.0, 5515.0, 5696.0, 5625.0, 5442.0, 5648.0, 5438.0, 5576.0, 5540.0, 5560.0, 5587.0 (number of hits: 16)
16	5530	9	1	333	1	5381.0, 5703.0, 5426.0, 5389.0, 5710.0, 5518.0, 5495.0, 5362.0, 5444.0, 5581.0, 5287.0, 5386.0, 5615.0, 5351.0, 5543.0, 5668.0, 5583.0, 5678.0, 5681.0, 5716.0, 5264.0, 5516.0, 5598.0, 5308.0, 5348.0, 5569.0, 5260.0, 5697.0, 5310.0, 5538.0, 5419.0, 5354.0, 5314.0, 5448.0, 5299.0, 5425.0, 5551.0, 5501.0, 5317.0, 5306.0, 5672.0, 5474.0, 5258.0, 5441.0, 5405.0, 5485.0, 5522.0, 5499.0, 5343.0, 5688.0, 5670.0, 5520.0, 5283.0, 5500.0, 5648.0, 5302.0, 5355.0, 5430.0, 5701.0, 5529.0, 5279.0, 5468.0, 5566.0, 5368.0, 5620.0, 5706.0, 5417.0, 5592.0, 5424.0, 5290.0, 5626.0, 5429.0, 5708.0, 5694.0, 5554.0, 5342.0, 5531.0, 5572.0, 5517.0, 5431.0, 5395.0, 5397.0, 5445.0, 5649.0, 5436.0, 5459.0, 5513.0, 5721.0, 5616.0, 5711.0, 5253.0, 5498.0, 5488.0, 5677.0, 5461.0, 5316.0, 5622.0, 5440.0, 5705.0, 5479.0 (number of hits: 18)
17	5530	9	1	333	1	5468.0, 5284.0, 5406.0, 5372.0, 5392.0, 5680.0, 5343.0, 5296.0, 5303.0, 5703.0, 5366.0, 5722.0, 5268.0, 5356.0, 5417.0, 5398.0, 5326.0, 5642.0, 5306.0, 5282.0, 5709.0, 5692.0, 5341.0, 5618.0, 5560.0, 5702.0, 5430.0, 5617.0, 5384.0, 5275.0, 5361.0, 5698.0, 5485.0, 5461.0, 5598.0, 5616.0, 5441.0, 5449.0, 5496.0, 5674.0, 5369.0, 5676.0, 5534.0, 5522.0, 5629.0, 5364.0, 5329.0, 5350.0, 5278.0, 5606.0, 5255.0, 5511.0, 5381.0, 5454.0, 5559.0, 5504.0, 5619.0, 5701.0, 5390.0, 5293.0, 5471.0, 5420.0, 5621.0, 5605.0, 5507.0, 5623.0, 5288.0, 5333.0, 5483.0, 5344.0, 5328.0, 5475.0, 5262.0, 5555.0, 5644.0, 5670.0, 5669.0, 5685.0, 5380.0, 5546.0, 5353.0, 5264.0, 5374.0, 5672.0, 5545.0, 5432.0, 5505.0, 5595.0, 5403.0, 5594.0

						5271.0, 5656.0, 5643.0, 5464.0, 5645.0, 5666.0, 5279.0, 5298.0, 5509.0, 5315.0 (number of hits: 13)
18	5530	9	1	333	1	5721.0, 5364.0, 5561.0, 5283.0, 5597.0, 5524.0, 5532.0, 5631.0, 5322.0, 5584.0, 5251.0, 5424.0, 5382.0, 5337.0, 5426.0, 5545.0, 5610.0, 5372.0, 5589.0, 5332.0, 5414.0, 5678.0, 5255.0, 5404.0, 5285.0, 5346.0, 5416.0, 5383.0, 5395.0, 5315.0, 5590.0, 5351.0, 5393.0, 5517.0, 5710.0, 5596.0, 5282.0, 5525.0, 5563.0, 5706.0, 5401.0, 5555.0, 5484.0, 5467.0, 5570.0, 5411.0, 5389.0, 5717.0, 5417.0, 5464.0, 5654.0, 5623.0, 5697.0, 5258.0, 5385.0, 5359.0, 5380.0, 5379.0, 5442.0, 5428.0, 5636.0, 5716.0, 5317.0, 5486.0, 5480.0, 5506.0, 5674.0, 5528.0, 5378.0, 5514.0, 5376.0, 5261.0, 5692.0, 5289.0, 5489.0, 5305.0, 5394.0, 5325.0, 5483.0, 5290.0, 5556.0, 5719.0, 5408.0, 5430.0, 5619.0, 5429.0, 5687.0, 5461.0, 5670.0, 5449.0, 5457.0, 5470.0, 5546.0, 5606.0, 5475.0, 5562.0, 5263.0, 5693.0, 5629.0, 5418.0 (number of hits: 14)
19	5530	9	1	333	1	5436.0, 5607.0, 5259.0, 5331.0, 5256.0, 5471.0, 5260.0, 5251.0, 5329.0, 5554.0, 5342.0, 5302.0, 5535.0, 5522.0, 5341.0, 5303.0, 5583.0, 5538.0, 5333.0, 5399.0, 5590.0, 5455.0, 5297.0, 5437.0, 5479.0, 5659.0, 5604.0, 5449.0, 5282.0, 5674.0, 5343.0, 5632.0, 5524.0, 5425.0, 5582.0, 5591.0, 5339.0, 5685.0, 5644.0, 5487.0, 5348.0, 5634.0, 5350.0, 5570.0, 5423.0, 5676.0, 5573.0, 5623.0, 5503.0, 5654.0, 5380.0, 5429.0, 5257.0, 5505.0, 5619.0, 5567.0, 5431.0, 5278.0, 5605.0, 5357.0, 5372.0, 5563.0, 5270.0, 5633.0, 5421.0, 5311.0, 5678.0, 5519.0, 5611.0, 5663.0, 5477.0, 5578.0, 5422.0, 5606.0, 5536.0, 5454.0, 5300.0, 5555.0, 5542.0, 5686.0, 5712.0, 5312.0, 5548.0, 5643.0, 5330.0, 5344.0, 5314.0, 5603.0, 5470.0, 5254.0, 5352.0, 5680.0, 5263.0, 5592.0, 5546.0, 5496.0, 5472.0, 5281.0, 5577.0, 5307.0 (number of hits: 16)
20	5530	9	1	333	1	5604.0, 5557.0, 5475.0, 5601.0, 5585.0, 5302.0, 5291.0, 5257.0, 5634.0, 5377.0, 5633.0, 5407.0, 5673.0, 5720.0, 5618.0, 5553.0, 5558.0, 5518.0, 5384.0, 5316.0, 5533.0, 5443.0, 5320.0, 5418.0, 5478.0, 5458.0, 5659.0, 5307.0, 5300.0, 5394.0, 5427.0, 5358.0, 5467.0, 5373.0, 5503.0, 5532.0, 5322.0, 5617.0, 5266.0, 5398.0, 5715.0, 5603.0, 5640.0, 5656.0, 5389.0, 5550.0, 5576.0, 5705.0, 5522.0, 5629.0, 5626.0, 5477.0, 5714.0, 5312.0, 5722.0, 5535.0, 5444.0, 5546.0, 5498.0, 5500.0, 5314.0, 5700.0, 5616.0, 5273.0, 5425.0, 5286.0, 5468.0, 5688.0, 5413.0, 5330.0, 5318.0, 5520.0, 5412.0, 5396.0, 5665.0

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21	5530	9	1	333	1	5475.0, 5587.0, 5353.0, 5485.0, 5470.0, 5660.0, 5328.0, 5713.0, 5688.0, 5272.0, 5722.0, 5288.0, 5414.0, 5637.0, 5684.0, 5252.0, 5399.0, 5552.0, 5479.0, 5305.0, 5395.0, 5440.0, 5619.0, 5573.0, 5394.0, 5361.0, 5338.0, 5682.0, 5387.0, 5697.0, 5264.0, 5667.0, 5448.0, 5655.0, 5383.0, 5481.0, 5295.0, 5513.0, 5614.0, 5696.0, 5477.0, 5331.0, 5510.0, 5315.0, 5441.0, 5297.0, 5678.0, 5427.0, 5571.0, 5548.0, 5543.0, 5453.0, 5634.0, 5526.0, 5708.0, 5376.0, 5584.0, 5250.0, 5582.0, 5657.0, 5256.0, 5334.0, 5447.0, 5516.0, 5344.0, 5473.0, 5626.0, 5677.0, 5263.0, 5680.0, 5434.0, 5694.0, 5308.0, 5304.0, 5345.0, 5332.0, 5445.0, 5567.0, 5578.0, 5602.0, 5531.0, 5374.0, 5523.0, 5590.0, 5685.0, 5525.0, 5638.0, 5373.0, 5629.0, 5321.0, 5700.0, 5719.0, 5286.0, 5275.0, 5276.0, 5714.0, 5350.0, 5666.0, 5352.0, 5487.0 (number of hits: 11)
22	5530	9	1	333	1	5427.0, 5348.0, 5597.0, 5596.0, 5540.0, 5635.0, 5664.0, 5650.0, 5444.0, 5546.0, 5719.0, 5387.0, 5683.0, 5364.0, 5270.0, 5260.0, 5557.0, 5298.0, 5363.0, 5481.0, 5632.0, 5266.0, 5634.0, 5488.0, 5392.0, 5547.0, 5703.0, 5668.0, 5530.0, 5494.0, 5579.0, 5431.0, 5655.0, 5692.0, 5491.0, 5680.0, 5486.0, 5278.0, 5428.0, 5358.0, 5503.0, 5471.0, 5673.0, 5474.0, 5343.0, 5506.0, 5523.0, 5500.0, 5267.0, 5701.0, 5624.0, 5457.0, 5604.0, 5562.0, 5456.0, 5513.0, 5362.0, 5303.0, 5622.0, 5421.0, 5438.0, 5522.0, 5295.0, 5292.0, 5514.0, 5472.0, 5251.0, 5411.0, 5589.0, 5254.0, 5274.0, 5258.0, 5520.0, 5568.0, 5275.0, 5609.0, 5721.0, 5702.0, 5497.0, 5588.0, 5628.0, 5469.0, 5439.0, 5572.0, 5250.0, 5511.0, 5516.0, 5549.0, 5581.0, 5686.0, 5558.0, 5666.0, 5433.0, 5334.0, 5372.0, 5612.0, 5329.0, 5674.0, 5642.0, 5712.0 (number of hits: 20)
23	5530	9	1	333	1	5441.0, 5283.0, 5705.0, 5351.0, 5617.0, 5692.0, 5322.0, 5629.0, 5695.0, 5468.0, 5460.0, 5625.0, 5582.0, 5337.0, 5590.0, 5297.0, 5642.0, 5683.0, 5552.0, 5387.0, 5637.0, 5390.0, 5289.0, 5485.0, 5368.0, 5566.0, 5558.0, 5419.0, 5384.0, 5307.0, 5576.0, 5707.0, 5356.0, 5645.0, 5406.0, 5357.0, 5428.0, 5296.0, 5489.0, 5464.0, 5462.0, 5674.0, 5710.0, 5443.0, 5362.0, 5392.0, 5534.0, 5275.0, 5340.0, 5261.0, 5549.0, 5662.0, 5514.0, 5444.0, 5515.0, 5333.0, 5281.0, 5395.0, 5679.0, 5613.0,

						5676.0, 5581.0, 5520.0, 5720.0, 5372.0, 5278.0, 5309.0, 5621.0, 5664.0, 5285.0, 5359.0, 5287.0, 5369.0, 5366.0, 5381.0, 5585.0, 5509.0, 5455.0, 5424.0, 5513.0, 5375.0, 5374.0, 5475.0, 5639.0, 5518.0, 5519.0, 5648.0, 5721.0, 5545.0, 5331.0, 5341.0, 5659.0, 5655.0, 5334.0, 5601.0, 5458.0, 5344.0, 5568.0, 5541.0, 5647.0 (number of hits: 14)
24	5530	9	1	333	1	5333.0, 5384.0, 5359.0, 5484.0, 5630.0, 5711.0, 5562.0, 5400.0, 5666.0, 5541.0, 5274.0, 5487.0, 5425.0, 5447.0, 5627.0, 5464.0, 5372.0, 5720.0, 5416.0, 5465.0, 5651.0, 5389.0, 5269.0, 5556.0, 5431.0, 5553.0, 5644.0, 5592.0, 5343.0, 5392.0, 5525.0, 5296.0, 5658.0, 5595.0, 5285.0, 5267.0, 5509.0, 5309.0, 5668.0, 5331.0, 5328.0, 5268.0, 5363.0, 5459.0, 5358.0, 5526.0, 5449.0, 5319.0, 5312.0, 5723.0, 5692.0, 5251.0, 5348.0, 5682.0, 5588.0, 5376.0, 5370.0, 5485.0, 5594.0, 5561.0, 5631.0, 5277.0, 5398.0, 5503.0, 5701.0, 5545.0, 5699.0, 5640.0, 5314.0, 5298.0, 5613.0, 5662.0, 5716.0, 5468.0, 5619.0, 5672.0, 5642.0, 5336.0, 5645.0, 5367.0, 5626.0, 5611.0, 5557.0, 5697.0, 5261.0, 5266.0, 5327.0, 5516.0, 5451.0, 5537.0, 5382.0, 5365.0, 5714.0, 5436.0, 5457.0, 5381.0, 5694.0, 5293.0, 5579.0, 5439.0 (number of hits: 13)
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26	5530	9	1	333	1	5357.0, 5702.0, 5392.0, 5614.0, 5287.0, 5355.0, 5710.0, 5300.0, 5621.0, 5443.0, 5491.0, 5631.0, 5577.0, 5488.0, 5546.0, 5390.0, 5723.0, 5489.0, 5274.0, 5639.0, 5273.0, 5503.0, 5320.0, 5573.0, 5693.0, 5608.0, 5452.0, 5485.0, 5615.0, 5496.0, 5319.0, 5534.0, 5423.0, 5629.0, 5376.0, 5486.0, 5613.0, 5250.0, 5328.0, 5532.0, 5561.0, 5347.0, 5450.0, 5698.0, 5660.0,

						5455.0, 5673.0, 5433.0, 5511.0, 5409.0, 5476.0, 5657.0, 5302.0, 5444.0, 5456.0, 5425.0, 5278.0, 5676.0, 5537.0, 5670.0, 5372.0, 5422.0, 5429.0, 5380.0, 5551.0, 5421.0, 5408.0, 5592.0, 5323.0, 5308.0, 5438.0, 5544.0, 5440.0, 5518.0, 5459.0, 5655.0, 5565.0, 5531.0, 5445.0, 5683.0, 5505.0, 5569.0, 5622.0, 5442.0, 5547.0, 5487.0, 5285.0, 5590.0, 5589.0, 5659.0, 5536.0, 5654.0, 5600.0, 5648.0, 5303.0, 5374.0, 5510.0, 5417.0, 5342.0, 5593.0 (number of hits: 17)
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28	5530	9	1	333	1	5546.0, 5601.0, 5338.0, 5401.0, 5295.0, 5559.0, 5629.0, 5652.0, 5536.0, 5489.0, 5500.0, 5636.0, 5684.0, 5428.0, 5421.0, 5388.0, 5662.0, 5495.0, 5430.0, 5483.0, 5455.0, 5597.0, 5276.0, 5322.0, 5389.0, 5443.0, 5653.0, 5678.0, 5531.0, 5525.0, 5427.0, 5459.0, 5583.0, 5475.0, 5435.0, 5317.0, 5509.0, 5506.0, 5444.0, 5331.0, 5395.0, 5337.0, 5261.0, 5598.0, 5386.0, 5387.0, 5690.0, 5617.0, 5680.0, 5703.0, 5284.0, 5457.0, 5477.0, 5685.0, 5562.0, 5619.0, 5367.0, 5432.0, 5656.0, 5664.0, 5466.0, 5605.0, 5263.0, 5346.0, 5667.0, 5640.0, 5482.0, 5550.0, 5563.0, 5496.0, 5480.0, 5530.0, 5643.0, 5474.0, 5698.0, 5265.0, 5693.0, 5637.0, 5607.0, 5712.0, 5253.0, 5551.0, 5661.0, 5510.0, 5270.0, 5448.0, 5251.0, 5355.0, 5434.0, 5687.0, 5315.0, 5467.0, 5695.0, 5491.0, 5403.0, 5256.0, 5374.0, 5505.0, 5682.0, 5487.0 (number of hits: 17)
29	5530	9	1	333	1	5577.0, 5252.0, 5579.0, 5578.0, 5390.0, 5510.0, 5507.0, 5422.0, 5504.0, 5679.0, 5309.0, 5364.0, 5593.0, 5493.0, 5620.0, 5421.0, 5531.0, 5446.0, 5664.0, 5418.0, 5685.0, 5644.0, 5350.0, 5267.0, 5436.0, 5482.0, 5300.0, 5562.0, 5581.0, 5346.0,

						5699.0, 5381.0, 5412.0, 5472.0, 5459.0, 5575.0, 5365.0, 5512.0, 5338.0, 5453.0, 5400.0, 5419.0, 5290.0, 5278.0, 5665.0, 5524.0, 5441.0, 5705.0, 5655.0, 5638.0, 5277.0, 5543.0, 5569.0, 5612.0, 5355.0, 5621.0, 5492.0, 5576.0, 5582.0, 5433.0, 5477.0, 5596.0, 5360.0, 5616.0, 5701.0, 5481.0, 5299.0, 5556.0, 5628.0, 5625.0, 5308.0, 5592.0, 5348.0, 5642.0, 5423.0, 5410.0, 5352.0, 5502.0, 5716.0, 5270.0, 5684.0, 5480.0, 5724.0, 5553.0, 5611.0, 5392.0, 5253.0, 5649.0, 5667.0, 5661.0, 5464.0, 5377.0, 5696.0, 5511.0, 5558.0, 5424.0, 5291.0, 5548.0, 5262.0, 5389.0 (number of hits: 16)
30	5530	9	1	333	1	5476.0, 5381.0, 5715.0, 5308.0, 5463.0, 5301.0, 5635.0, 5666.0, 5456.0, 5576.0, 5470.0, 5345.0, 5566.0, 5378.0, 5591.0, 5621.0, 5528.0, 5369.0, 5347.0, 5544.0, 5284.0, 5628.0, 5322.0, 5557.0, 5483.0, 5531.0, 5645.0, 5572.0, 5480.0, 5267.0, 5315.0, 5721.0, 5540.0, 5446.0, 5611.0, 5675.0, 5713.0, 5388.0, 5560.0, 5262.0, 5708.0, 5428.0, 5289.0, 5582.0, 5679.0, 5387.0, 5389.0, 5368.0, 5370.0, 5431.0, 5319.0, 5669.0, 5307.0, 5317.0, 5620.0, 5320.0, 5412.0, 5707.0, 5466.0, 5632.0, 5344.0, 5714.0, 5394.0, 5333.0, 5265.0, 5712.0, 5395.0, 5662.0, 5701.0, 5373.0, 5303.0, 5705.0, 5652.0, 5489.0, 5397.0, 5439.0, 5613.0, 5584.0, 5418.0, 5287.0, 5445.0, 5461.0, 5522.0, 5352.0, 5364.0, 5592.0, 5617.0, 5504.0, 5434.0, 5270.0, 5264.0, 5723.0, 5362.0, 5548.0, 5266.0, 5310.0, 5518.0, 5599.0, 5517.0, 5638.0 (number of hits: 12)

5570 MHz, 160 MHz Bandwidth

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1A/1B	30	100 %	60%	Pass
Type 2	30	73.3 %	60%	Pass
Type 3	30	63.3 %	60%	Pass
Type 4	30	83.3 %	60%	Pass
Aggregate (Type1 to 4)	120	80.8 %	80%	Pass
Type 5	30	93.3 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

Table-1A/1B Radar Type 1A/1B Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5492	58	1	918	1
2	5492	63	1	838	1
3	5492	99	1	538	1
4	5492	68	1	778	1
5	5492	76	1	698	1
6	5570	74	1	718	1
7	5570	72	1	738	1
8	5570	78	1	678	1
9	5570	83	1	638	1
10	5570	65	1	818	1
11	5648	81	1	658	1
12	5648	62	1	858	1
13	5648	67	1	798	1
14	5648	70	1	758	1
15	5648	57	1	938	1
16	5492	22	1	2507	1
17	5492	42	1	1279	1
18	5492	27	1	1987	1
19	5492	40	1	1342	1
20	5492	32	1	1656	1
21	5570	20	1	2671	1
22	5570	36	1	1498	1
23	5570	21	1	2637	1
24	5570	28	1	1952	1
25	5570	18	1	3005	1
26	5648	18	1	2959	1
27	5648	29	1	1861	1
28	5648	56	1	957	1
29	5648	38	1	1389	1
30	5648	52	1	1022	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5492	27	3.2	174	1
2	5492	26	4.4	154	0
3	5492	25	4.9	154	0
4	5492	29	3.1	215	1
5	5492	29	3.4	187	0
6	5492	25	1	174	1
7	5492	26	4	176	0
8	5492	27	4	223	1
9	5492	26	1.8	187	1
10	5492	27	1.3	185	1
11	5570	28	1.4	164	1
12	5570	27	1.1	171	1
13	5570	24	4.7	197	1
14	5570	27	3.5	178	1
15	5570	25	1.3	192	1
16	5570	29	2.5	184	1
17	5570	25	3.5	211	0
18	5570	29	2	183	1
19	5570	25	4	167	1
20	5570	26	1.7	155	1
21	5648	25	2.1	176	1
22	5648	26	1.4	205	1
23	5648	27	2.4	211	1
24	5648	23	1.5	179	1
25	5648	29	3.2	182	0
26	5648	24	2.1	163	1
27	5648	29	2.6	221	1
28	5648	27	3.1	212	0
29	5648	28	3.1	197	1
30	5648	24	4.1	210	0
Detection Percentage: 73.3 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5492	17	9.2	289	1
2	5492	18	7.9	203	1
3	5492	18	8.5	276	0
4	5492	18	7.6	415	0
5	5492	17	7.2	218	1
6	5492	18	8	408	1
7	5492	17	8.3	232	1
8	5492	16	6.1	283	0
9	5492	17	8.2	470	0
10	5492	17	7.8	368	1
11	5570	16	9.4	244	1
12	5570	16	7.6	204	1
13	5570	16	7.5	211	0
14	5570	17	7.3	496	1
15	5570	17	8.4	336	0
16	5570	18	6.1	425	1
17	5570	16	6	447	1
18	5570	16	9.2	416	1
19	5570	17	7.8	488	0
20	5570	16	6	420	0
21	5648	16	6.7	366	1
22	5648	17	9.4	301	1
23	5648	17	9.2	407	0
24	5648	16	8.9	240	1
25	5648	18	9.7	465	1
26	5648	18	8.8	412	1
27	5648	17	7.5	433	1
28	5648	17	7.7	458	0
29	5648	18	7.7	451	0
30	5648	16	6.3	335	1
Detection Percentage: 63.3 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5492	15	12	394	1
2	5492	15	16.1	225	1
3	5492	13	16.3	257	0
4	5492	14	19.3	312	0
5	5492	16	19	490	1
6	5492	12	14.2	399	1
7	5492	15	12.9	440	1
8	5492	14	16.7	272	0
9	5492	14	16.8	377	0
10	5492	12	15.1	440	1
11	5570	15	19.3	494	1
12	5570	16	11.5	314	1
13	5570	12	18.2	217	1
14	5570	14	14.2	323	1
15	5570	16	19.2	451	1
16	5570	14	15.7	397	0
17	5570	13	14.2	257	1
18	5570	14	17.8	382	1
19	5570	13	18	474	1
20	5570	12	15.6	394	1
21	5648	14	12.2	432	1
22	5648	14	13.7	315	1
23	5648	14	11.8	219	1
24	5648	13	12.2	394	1
25	5648	13	15.9	313	1
26	5648	14	14.6	284	1
27	5648	15	15.3	277	1
28	5648	12	11.4	433	1
29	5648	12	17.2	398	1
30	5648	15	16.3	251	1
Detection Percentage: 83.3 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Trial #	Fc (MHz)	Detection (1:yes; 0:no)
1	5570	1
2	5570	1
3	5570	1
4	5570	1
5	5570	1
6	5570	0
7	5570	1
8	5570	1
9	5570	1
10	5570	1
11	5501.6	1
12	5498.4	1
13	5498.8	1
14	5496.8	1
15	5499.2	1
16	5497.2	1
17	5497.2	1
18	5499.2	1
19	5496.4	1
20	5500.8	0
21	5641.6	1
22	5638.8	1
23	5642.4	1
24	5640.8	1
25	5640.4	1
26	5638.8	1
27	5640.0	1
28	5639.6	1
29	5641.6	1
30	5642.4	1
Detection Percentage: 93.3% (>80%)		

Bin5 Statistics 1

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	94.5	1674	1691	0.602931	1
1	2	9	67.6	1756		0.988672	
2	3	9	51.1	1753	1691	1.755469	
3	2	9	82.2	1274		2.252398	
4	2	9	72.1	1057		3.051307	
5	2	9	94.7	1774		3.820277	
6	2	9	64.5	1960		4.536686	
7	1	9	82.1			5.186641	
8	2	9	93.9	1015		5.804438	
9	3	9	55.1	1891	1998	6.409961	
10	2	9	54.3	1813		7.217835	
11	3	9	85.6	1242	1509	7.9652	
12	1	9	63.9			8.095485	
13	1	9	70			9.263285	
14	2	9	55	1802		9.956085	
15	2	9	89.8	1245		10.628406	
16	3	9	64.1	1094	1763	11.172222	
17	1	9	78.6			11.780441	

Bin5 Statistics 2

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	92.1	1759		0.842543	1
1	1	12	61			1.60218	
2	1	12	59			2.770033	
3	3	12	65.4	1582	1942	3.736815	
4	3	12	67.5	1044	1874	4.539638	
5	2	12	97.7	1850		5.702107	
6	3	12	95.2	1371	1355	6.176374	
7	2	12	70.8	1470		7.862444	
8	2	12	65.3	1525		8.474287	
9	1	12	62			9.884039	
10	2	12	60.2	1762		10.188893	
11	3	12	77.9	1713	1194	11.109723	

Bin5 Statistics 3

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	53.6	1483	1103	0.320847	1
1	2	11	81.6	1237		0.996932	
2	2	11	56.7	1718		1.773659	
3	3	11	59	1354	1116	2.728655	
4	2	11	92.7	1043		3.487468	
5	2	11	89.3	1279		4.204419	
6	2	11	58.9	1548		4.347974	
7	3	11	58	1715	1831	5.261233	
8	2	11	88.3	1432		5.807517	
9	2	11	62.8	1108		6.628214	
10	2	11	77.6	1749		7.425812	
11	2	11	64.9	1081		8.319535	
12	2	11	58.2	1739		8.498767	
13	3	11	84.2	1387	1274	9.391	
14	3	11	96.1	1880	1387	10.211501	
15	2	11	96.2	1601		11.006358	
16	1	11	99.1			11.623738	

Bin5 Statistics 4

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	62.6	1125		1.081685	1
1	2	14	69.5	1646		2.231175	
2	1	14	56.4			3.379719	
3	2	14	50.4	1524		4.187577	
4	2	14	66.8	1731		5.98739	
5	2	14	52.2	1093		7.07171	
6	2	14	72	1690		8.302821	
7	1	14	87.4			10.403323	
8	1	14	53.2			11.603794	

Bin5 Statistics 5

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	67.2	1890		0.671478	1
1	3	9	50	1591	1907	1.179189	
2	2	9	92.1	1866		1.550777	
3	2	9	93.1	1892		2.621505	
4	3	9	89	1833	1896	3.059947	
5	1	9	76.4			3.998903	
6	2	9	85.7	1659		5.202643	
7	3	9	97.7	1450	1593	5.299692	
8	2	9	52.8	1071		6.326185	
9	1	9	51.6			7.415752	
10	3	9	62.7	1227	1058	7.803139	
11	3	9	83.7	1495	1116	8.694203	
12	1	9	67.3			9.193517	
13	2	9	57.7	1127		9.828718	
14	2	9	75.1	1027		10.664141	
15	3	9	58.3	1807	1190	11.759749	

Bin5 Statistics 6

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	67.2	1890		0.671478	0
1	3	9	50	1591	1907	1.179189	
2	2	9	92.1	1866		1.550777	
3	2	9	93.1	1892		2.621505	
4	3	9	89	1833	1896	3.059947	
5	1	9	76.4			3.998903	
6	2	9	85.7	1659		5.202643	
7	3	9	97.7	1450	1593	5.299692	
8	2	9	52.8	1071		6.326185	
9	1	9	51.6			7.415752	
10	3	9	62.7	1227	1058	7.803139	
11	3	9	83.7	1495	1116	8.694203	
12	1	9	67.3			9.193517	
13	2	9	57.7	1127		9.828718	
14	2	9	75.1	1027		10.664141	
15	3	9	58.3	1807	1190	11.759749	

Bin5 Statistics 7

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	68.9	1896	1111	0.241443	1
1	3	11	71.5	1527	1902	1.545892	
2	3	11	81	1340	1447	2.110917	
3	3	11	75.8	1509	1205	2.812565	
4	2	11	57.3	1490		3.260448	
5	3	11	91.8	1864	1879	4.338515	
6	2	11	75.7	1133		5.008621	
7	2	11	68.6	1588		5.839639	
8	2	11	54.6	1750		6.529746	
9	3	11	64	1878	1716	7.503263	
10	2	11	52	1976		8.723843	
11	2	11	73.9	1510		9.008106	
12	3	11	77.4	1241	1359	9.950454	
13	1	11	79.5			10.676903	
14	2	11	76.3	1330		11.212639	

Bin5 Statistics 8

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	91.4			0.709434	1
1	3	8	81	1118	1928	1.349874	
2	3	8	60.9	1881	1029	2.73588	
3	3	8	90.4	1948	1924	2.809488	
4	3	8	80.5	1853	1871	3.972431	
5	2	8	82.7	1020		5.363649	
6	1	8	66.6			6.443547	
7	3	8	98.8	1043	1470	6.739028	
8	2	8	94.9	1112		7.739886	
9	2	8	85.5	1838		8.831306	
10	2	8	88.7	1965		9.403637	
11	1	8	84.7			10.562054	
12	3	8	79.8	1226	1440	11.449878	

Bin5 Statistics 9

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	73.4	1336		0.26461	1
1	2	11	65.1	1428		1.289786	
2	3	11	51.8	1550	1120	1.660292	
3	1	11	76.3			2.608029	
4	2	11	53.6	1051		3.153803	
5	3	11	89.5	1705	1966	4.432227	
6	2	11	94.2	1414		4.50298	
7	2	11	78.8	1052		5.987581	
8	1	11	60.3			6.281775	
9	2	11	56.7	1191		7.398123	
10	1	11	95			8.026667	
11	2	11	92.2	1238		8.46266	
12	2	11	89.6	1458		9.211591	
13	2	11	61.6	1137		10.322806	
14	2	11	98.2	1925		10.605381	
15	2	11	57.2	1829		11.546475	

Bin5 Statistics 10

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	73.5	1944	1391	0.393134	1
1	2	9	55.4	1941		0.640731	
2	2	9	74.5	1940		1.594871	
3	2	9	97.8	1013		2.366264	
4	2	9	59.2	1399		2.925571	
5	1	9	72.2			3.612339	
6	3	9	64	1136	1061	3.91812	
7	3	9	89.1	1765	1591	4.575414	
8	2	9	87.2	1981		5.61978	
9	1	9	94.9			5.885107	
10	2	9	66.6	1442		6.546371	
11	3	9	53.9	1184	1899	7.074446	
12	3	9	93.1	1603	1039	8.124231	
13	2	9	81.9	1071		8.331895	
14	2	9	57.3	1250		8.857351	
15	1	9	93.4			9.740219	
16	3	9	61.1	1637	1560	10.40366	
17	3	9	62.2	1045	1389	10.940763	
18	3	9	93.4	1075	1397	11.573711	

Bin5 Statistics 11

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	67.3			0.819162	1
1	2	19	61.4	1431		0.958553	
2	2	19	78.7	1216		1.911934	
3	3	19	69.1	1098	1908	2.966297	
4	2	19	89.5	1951		4.204118	
5	1	19	74.7			4.732203	
6	2	19	50	1506		6.297116	
7	1	19	74.8			7.235163	
8	2	19	73.8	1621		7.977807	
9	2	19	92.9	1583		8.509728	
10	2	19	82.7	1055		9.376278	
11	3	19	85.5	1134	1203	10.212681	
12	3	19	89.4	1826	1198	11.789381	

Bin5 Statistics 12

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	66.6	1343		0.727905	1
1	2	11	56	1344		1.007834	
2	2	11	86.1	1549		2.140072	
3	3	11	97.1	1479	1067	3.292007	
4	3	11	94.2	1821	1011	4.056373	
5	2	11	72.7	1252		4.498112	
6	3	11	98.7	1920	1183	5.338992	
7	1	11	86.9			6.750116	
8	2	11	68.3	1235		7.584634	
9	1	11	82.6			8.463831	
10	2	11	50.3	1637		8.854707	
11	2	11	52.2	1177		9.752784	
12	2	11	83.1	1824		10.869128	
13	2	11	54.1	1756		11.814415	

Bin5 Statistics 13

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	81.1	1837		0.543048	1
1	1	12	57.4			1.611797	
2	2	12	71.2	1298		2.608754	
3	2	12	87.8	1410		3.648889	
4	2	12	98	1849		4.48206	
5	1	12	67.7			4.772129	
6	3	12	91.3	1742	1067	6.210316	
7	1	12	75.7			6.99729	
8	1	12	95.4			7.769494	
9	3	12	62.5	1923	1845	8.428834	
10	2	12	58.7	1683		9.730844	
11	3	12	56.9	1302	1030	10.525286	
12	2	12	64	1332		11.549148	

Bin5 Statistics 14

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	54.5	1566		0.310837	1
1	3	7	53.7	1291	1846	0.868687	
2	2	7	57.6	1118		1.675321	
3	2	7	84.7	1243		2.538717	
4	1	7	85.1			3.248378	
5	3	7	74.2	1796	1373	3.961904	
6	1	7	81.4			4.025334	
7	2	7	90.3	1129		5.188417	
8	2	7	53.8	1455		5.465778	
9	3	7	72.9	1285	1513	6.090471	
10	2	7	79.1	1962		7.225351	
11	2	7	72.7	1099		7.70861	
12	1	7	88.2			8.585545	
13	2	7	61.5	1039		8.954173	
14	2	7	90.7	1854		9.943203	
15	2	7	89.5	1798		10.644256	
16	3	7	54.1	1204	1917	11.069282	
17	2	7	53.6	1942		11.769634	

Bin5 Statistics 15

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	67.1	1843	1471	0.467492	1
1	2	13	58.4	1004		1.13929	
2	2	13	67.1	1120		1.51229	
3	2	13	67.9	1880		2.199832	
4	3	13	86.4	1966	1485	2.960459	
5	2	13	60.4	1644		3.459513	
6	2	13	99.9	1846		3.774705	
7	2	13	90.3	1578		4.591722	
8	3	13	70.3	1964	1910	4.932187	
9	2	13	91.9	1066		5.611582	
10	1	13	76.6			6.022132	
11	3	13	98.9	1477	1316	6.610633	
12	2	13	67.2	1645		7.67122	
13	1	13	71			7.942959	
14	3	13	88.6	1485	1419	8.729173	
15	3	13	58	1111	1743	9.396759	
16	2	13	90.5	1296		9.910571	
17	2	13	92.9	1764		10.647963	
18	1	13	90.7			11.152142	
19	1	13	97.7			11.987124	

Bin5 Statistics 16

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	73.4	1743		0.557523	1
1	3	8	87	1146	1536	1.198849	
2	2	8	99.2	1401		2.250975	
3	1	8	57.6			3.398151	
4	1	8	74.8			3.959984	
5	2	8	82.9	1808		4.747729	
6	2	8	77.8	1494		5.60124	
7	3	8	85.4	1368	1995	6.6439	
8	2	8	58.5	1257		6.923751	
9	2	8	86.8	1623		7.841762	
10	2	8	67.8	1838		9.349205	
11	1	8	78.3			9.969715	
12	2	8	60.4	1317		10.643113	
13	2	8	91.9	1696		11.927089	

Bin5 Statistics 17

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	1829		0.475018	1
1	2	8	74.1	1470		0.866002	
2	1	8	84.5			1.798849	
3	2	8	68.9	1905		2.305734	
4	3	8	92.8	1792	1096	2.60419	
5	1	8	73.9			3.173014	
6	1	8	60.8			3.852279	
7	3	8	73.8	1804	1928	4.758474	
8	1	8	86.5			5.283734	
9	2	8	77.7	1817		5.986479	
10	3	8	74.2	1797	1773	6.409488	
11	3	8	80.9	1601	1832	7.145518	
12	3	8	81.1	1755	1265	7.94238	
13	2	8	67.1	1918		8.342978	
14	1	8	97			9.369369	
15	3	8	98.6	1829	1362	9.617532	
16	1	8	60.8			10.530701	
17	1	8	98.4			10.893931	
18	1	8	89.1			11.788962	

Bin5 Statistics 18

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	74.2			0.609871	1
1	2	13	65.6	1962		1.406374	
2	3	13	87.8	1076	1219	1.531991	
3	3	13	96.2	1929	1879	2.831829	
4	2	13	52.1	1001		3.477968	
5	3	13	87.8	1890	1360	4.180874	
6	2	13	62.5	1688		4.768228	
7	3	13	94.8	1234	1629	5.506073	
8	3	13	78.7	1577	1384	6.170819	
9	2	13	66.1	1807		7.402443	
10	2	13	57.3	1875		7.661056	
11	3	13	90.5	1258	1208	8.845657	
12	2	13	70.6	1335		9.733034	
13	2	13	53.9	1861		10.198062	
14	2	13	58.5	1052		11.199068	
15	2	13	92.2	1646		11.667765	

Bin5 Statistics 19

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	70.7			0.60949	1
1	3	6	65	1340	1420	1.043048	
2	2	6	69.2	1162		1.980489	
3	3	6	83.8	1756	1176	2.54527	
4	3	6	92.3	1381	1492	2.976196	
5	2	6	96	1536		3.866592	
6	2	6	61.5	1536		4.340805	
7	1	6	72.4			4.922362	
8	3	6	85.6	1184	1768	5.516323	
9	1	6	97.8			6.610777	
10	2	6	98.6	1608		6.823012	
11	2	6	57.8	1724		7.390526	
12	3	6	91.6	1227	1421	8.55132	
13	3	6	76.1	1602	1774	8.714778	
14	3	6	83.2	1279	1381	9.538768	
15	1	6	99.2			10.39616	
16	2	6	99.5	1792		10.7526	
17	2	6	50.6	1596		11.363362	

Bin5 Statistics 20

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	96.4	1754		0.363146	0
1	1	17	55			2.378361	
2	2	17	82.3	1385		3.854154	
3	1	17	98.3			4.575378	
4	3	17	65	1585	1958	6.60254	
5	1	17	89.5			6.700973	
6	2	17	90.7	1829		8.234406	
7	1	17	98			10.025093	
8	3	17	89.6	1087	1928	11.786225	

Bin5 Statistics 21

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	66.2	1420		0.234946	1
1	1	11	62.8			1.420662	
2	2	11	55.9	1603		1.500122	
3	2	11	54.6	1592		2.364178	
4	2	11	98.5	1471		3.257413	
5	3	11	93.1	1636	1004	3.853262	
6	3	11	81.8	1640	1923	4.921317	
7	3	11	61.4	1103	1142	5.430656	
8	2	11	86.4	1767		6.271942	
9	2	11	55.4	1549		6.831335	
10	2	11	54.1	1328		7.659282	
11	2	11	77.2	1660		8.548155	
12	3	11	56.2	1644	1592	9.613868	
13	2	11	74.5	1719		10	
14	1	11	66.1			10.991987	
15	3	11	53.5	1314	1793	11.776766	

Bin5 Statistics 22

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	69	1911	1041	0.886676	1
1	1	18	80.2			1.78498	
2	3	18	58	1805	1183	2.635973	
3	1	18	77.5			3.0983	
4	3	18	72.8	1977	1644	4.767617	
5	2	18	62.8	1285		5.850475	
6	2	18	59.1	1910		6.025497	
7	1	18	61			7.14274	
8	2	18	93	1066		8.781869	
9	2	18	79.7	1872		9.961232	
10	2	18	96.4	1346		10.174493	
11	3	18	52.4	1916	1505	11.69643	

Bin5 Statistics 23

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	69.8	1158	1585	0.096195	1
1	2	9	61.9	1047		1.324333	
2	2	9	69	1540		1.62173	
3	1	9	91.9			2.339092	
4	3	9	63	1784	1974	2.751105	
5	2	9	66.8	1220		3.894406	
6	3	9	76.8	1002	1464	4.056789	
7	2	9	58	1273		5.079701	
8	3	9	79.9	1631	1936	5.823903	
9	2	9	76.3	1263		6.394529	
10	3	9	87.9	1115	1714	6.937754	
11	1	9	85.7			7.426634	
12	2	9	59.9	1918		8.450317	
13	2	9	90.1	1173		9.027072	
14	2	9	53.7	1944		9.846101	
15	2	9	52.9	1047		10.278371	
16	2	9	61.7	1744		11.006438	
17	2	9	81.6	1120		11.897934	

Bin5 Statistics 24

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	65.3	1754		0.15326	1
1	1	13	87.2			2.074262	
2	2	13	53.8	1875		2.802435	
3	2	13	99.8	1819		3.378068	
4	3	13	88.4	1298	1384	5.069081	
5	2	13	53.1	1404		6.332564	
6	2	13	89.6	1874		6.716879	
7	1	13	74.9			7.967512	
8	2	13	84.3	1078		9.466078	
9	1	13	95.2			10.217941	
10	2	13	98.4	1644		11.079473	

Bin5 Statistics 25

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	82.2	1836	1097	0.295988	1
1	3	14	53.5	1915	1510	1.001805	
2	3	14	92.2	1545	1693	1.713405	
3	3	14	84	1608	1519	2.324043	
4	3	14	55.4	1883	1500	2.650462	
5	3	14	70.3	1314	1372	3.484689	
6	3	14	57.9	1661	1322	4.000629	
7	2	14	91.3	1517		5.009388	
8	3	14	56.9	1658	1463	5.344347	
9	1	14	99.9			6.004583	
10	2	14	50	1117		6.597359	
11	3	14	73.9	1479	1181	7.143569	
12	2	14	60.1	1878		7.725774	
13	1	14	52.2			8.419664	
14	2	14	86.3	1539		9.43201	
15	3	14	62.5	1411	1381	9.956469	
16	3	14	61.9	1985	1171	10.262454	
17	2	14	72.1	1111		11.270079	
18	2	14	92.8	1402		11.62347	

Bin5 Statistics 26

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	74.4	1893		0.418914	1
1	3	18	66.2	1543	1997	1.428421	
2	2	18	76.9	1756		1.632097	
3	2	18	73.8	1056		2.852488	
4	3	18	75.9	1936	1915	3.794965	
5	2	18	70.7	1978		4.269706	
6	2	18	97.8	1230		4.930511	
7	3	18	98.5	1596	1269	5.987859	
8	2	18	82.1	1713		6.770075	
9	3	18	71.6	1976	1160	7.90063	
10	3	18	89.6	1860	1988	8.016692	
11	2	18	70.5	1586		9.200341	
12	2	18	66.2	1523		9.719149	
13	2	18	95.7	1619		10.702994	
14	3	18	92.4	1174	1249	11.782765	

Bin5 Statistics 26

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	74.4	1893		0.418914	1
1	3	18	66.2	1543	1997	1.428421	
2	2	18	76.9	1756		1.632097	
3	2	18	73.8	1056		2.852488	
4	3	18	75.9	1936	1915	3.794965	
5	2	18	70.7	1978		4.269706	
6	2	18	97.8	1230		4.930511	
7	3	18	98.5	1596	1269	5.987859	
8	2	18	82.1	1713		6.770075	
9	3	18	71.6	1976	1160	7.90063	
10	3	18	89.6	1860	1988	8.016692	
11	2	18	70.5	1586		9.200341	
12	2	18	66.2	1523		9.719149	
13	2	18	95.7	1619		10.702994	
14	3	18	92.4	1174	1249	11.782765	

Bin5 Statistics 27

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	77.2			0.015516	1
1	2	15	76.2	1263		0.858864	
2	3	15	56	1316	1227	1.80328	
3	3	15	88.6	1308	1355	3.049696	
4	3	15	81.1	1218	1422	4.169177	
5	2	15	75.3	1817		4.466763	
6	3	15	94.9	1116	1693	5.89937	
7	2	15	65.9	1780		6.071778	
8	2	15	71.2	1773		7.603272	
9	2	15	99.1	1567		8.324557	
10	2	15	76.7	1604		9.398655	
11	3	15	94.1	1142	1409	10.089655	
12	2	15	65.3	1324		10.744475	
13	2	15	69.6	1790		11.370102	

Bin5 Statistics 28

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	62.7	1765		0.406521	1
1	1	16	52.5			0.784005	
2	3	16	74.7	1108	1481	1.271071	
3	2	16	54.7	1720		2.288713	
4	1	16	85.1			2.57937	
5	1	16	88.2			3.194523	
6	3	16	76.7	1975	1225	4.020941	
7	3	16	85	1862	1287	4.626235	
8	1	16	67.4			5.329701	
9	1	16	64.4			6.215126	
10	1	16	79.5			6.394965	
11	1	16	78.5			7.538755	
12	2	16	56	1693		8.143785	
13	3	16	80	1849	1733	8.806347	
14	2	16	74.3	1234		8.853815	
15	2	16	70.2	1018		9.669852	
16	1	16	76.5			10.198902	
17	2	16	91.2	1515		11.081068	
18	3	16	76.8	1246	1849	11.832015	

Bin5 Statistics 29

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	98.9	1308	1241	0.753813	1
1	1	11	98.2			2.05723	
2	1	11	95.9			3.305639	
3	2	11	57.8	1424		4.368172	
4	2	11	97.8	1040		4.811868	
5	2	11	90.6	1825		6.136467	
6	3	11	84.3	1427	1832	8.3055	
7	3	11	78.8	1838	1922	8.443862	
8	2	11	78.5	1016		9.9903	
9	3	11	83.7	1157	1037	11.877288	

Bin5 Statistics 30

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	61.9			0.024991	1
1	2	9	59.7	1682		1.153341	
2	2	9	88.6	1385		1.744759	
3	2	9	69.5	1377		2.589257	
4	1	9	80			3.213505	
5	1	9	71.3			3.760205	
6	2	9	69.5	1267		4.187732	
7	2	9	84.9	1883		4.772858	
8	1	9	72.8			5.936242	
9	3	9	53.8	1543	1289	6.649344	
10	3	9	50.2	1602	1011	7.045262	
11	2	9	57.3	1979		7.681345	
12	3	9	95.5	1915	1523	8.500985	
13	3	9	99.6	1781	1772	8.920074	
14	1	9	62.6			9.486598	
15	3	9	77	1244	1776	10.201471	
16	2	9	88.3	1903		11.047257	
17	1	9	86			11.552281	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5570	9	1	333	1	5586.0, 5401.0, 5594.0, 5570.0, 5488.0, 5466.0, 5308.0, 5374.0, 5599.0, 5405.0, 5585.0, 5433.0, 5512.0, 5276.0, 5574.0, 5561.0, 5543.0, 5351.0, 5382.0, 5603.0, 5615.0, 5359.0, 5264.0, 5446.0, 5711.0, 5300.0, 5344.0, 5532.0, 5460.0, 5541.0, 5321.0, 5487.0, 5349.0, 5637.0, 5333.0, 5506.0, 5280.0, 5567.0, 5538.0, 5693.0, 5644.0, 5435.0, 5454.0, 5476.0, 5510.0, 5286.0, 5618.0, 5554.0, 5301.0, 5550.0, 5306.0, 5429.0, 5263.0, 5342.0, 5381.0, 5536.0, 5271.0, 5388.0, 5503.0, 5251.0, 5640.0, 5683.0, 5565.0, 5350.0, 5365.0, 5700.0, 5254.0, 5472.0, 5262.0, 5384.0, 5464.0, 5656.0, 5324.0, 5383.0, 5509.0, 5604.0, 5360.0, 5346.0, 5479.0, 5695.0, 5579.0, 5641.0, 5256.0, 5702.0, 5337.0, 5657.0, 5535.0, 5508.0, 5396.0, 5375.0, 5643.0, 5496.0, 5413.0, 5690.0, 5353.0, 5427.0, 5595.0, 5329.0, 5709.0, 5686.0 (number of hits: 35)
2	5570	9	1	333	1	5674.0, 5424.0, 5619.0, 5587.0, 5356.0, 5452.0, 5554.0, 5719.0, 5629.0, 5628.0, 5646.0, 5620.0, 5345.0, 5673.0, 5369.0, 5555.0, 5476.0, 5352.0, 5513.0, 5678.0, 5582.0, 5703.0, 5402.0, 5482.0, 5698.0, 5420.0, 5387.0, 5567.0, 5603.0, 5434.0, 5446.0, 5537.0, 5692.0, 5604.0, 5468.0, 5296.0, 5265.0, 5647.0, 5320.0, 5538.0, 5350.0, 5286.0, 5556.0, 5592.0, 5577.0, 5536.0, 5319.0, 5632.0, 5630.0, 5475.0, 5614.0, 5385.0, 5492.0, 5526.0, 5317.0, 5650.0, 5704.0, 5256.0, 5261.0, 5541.0, 5440.0, 5717.0, 5257.0, 5723.0, 5380.0, 5325.0, 5405.0, 5279.0, 5481.0, 5433.0, 5290.0, 5430.0, 5355.0, 5479.0, 5455.0, 5615.0, 5490.0, 5277.0, 5697.0, 5641.0, 5470.0, 5572.0, 5539.0, 5515.0, 5561.0, 5636.0, 5321.0, 5295.0, 5493.0, 5549.0, 5431.0, 5483.0, 5315.0, 5685.0, 5663.0, 5669.0, 5374.0, 5701.0, 5394.0, 5602.0 (number of hits: 32)
3	5570	9	1	333	1	5694.0, 5685.0, 5610.0, 5503.0, 5511.0, 5262.0, 5541.0, 5414.0, 5718.0, 5299.0, 5296.0, 5510.0, 5546.0, 5704.0, 5689.0, 5321.0, 5701.0, 5515.0, 5643.0, 5270.0, 5410.0, 5681.0, 5420.0, 5261.0, 5602.0, 5260.0, 5276.0, 5314.0, 5721.0, 5305.0, 5376.0, 5605.0, 5601.0, 5657.0, 5272.0, 5641.0, 5426.0, 5659.0, 5393.0, 5496.0, 5413.0, 5446.0, 5387.0, 5477.0, 5419.0, 5722.0, 5649.0, 5595.0, 5287.0, 5448.0, 5587.0, 5530.0, 5449.0, 5534.0, 5628.0, 5291.0, 5670.0, 5631.0, 5560.0, 5621.0,

						5500.0, 5690.0, 5536.0, 5461.0, 5710.0, 5279.0, 5373.0, 5502.0, 5594.0, 5444.0, 5421.0, 5708.0, 5527.0, 5452.0, 5666.0, 5578.0, 5606.0, 5692.0, 5271.0, 5501.0, 5277.0, 5716.0, 5476.0, 5671.0, 5399.0, 5663.0, 5636.0, 5487.0, 5338.0, 5604.0, 5397.0, 5545.0, 5528.0, 5289.0, 5542.0, 5617.0, 5340.0, 5336.0, 5377.0, 5481.0 (number of hits: 35)
4	5570	9	1	333	1	5455.0, 5286.0, 5269.0, 5469.0, 5377.0, 5546.0, 5551.0, 5327.0, 5564.0, 5489.0, 5486.0, 5270.0, 5441.0, 5452.0, 5690.0, 5509.0, 5427.0, 5616.0, 5535.0, 5312.0, 5462.0, 5308.0, 5283.0, 5494.0, 5626.0, 5275.0, 5301.0, 5708.0, 5422.0, 5299.0, 5464.0, 5313.0, 5264.0, 5700.0, 5658.0, 5702.0, 5260.0, 5693.0, 5570.0, 5444.0, 5648.0, 5309.0, 5719.0, 5378.0, 5379.0, 5382.0, 5592.0, 5533.0, 5387.0, 5497.0, 5687.0, 5347.0, 5586.0, 5311.0, 5565.0, 5598.0, 5688.0, 5573.0, 5547.0, 5691.0, 5477.0, 5697.0, 5331.0, 5251.0, 5678.0, 5405.0, 5621.0, 5461.0, 5409.0, 5472.0, 5605.0, 5340.0, 5701.0, 5284.0, 5314.0, 5689.0, 5639.0, 5316.0, 5526.0, 5334.0, 5385.0, 5622.0, 5415.0, 5268.0, 5672.0, 5317.0, 5529.0, 5320.0, 5720.0, 5426.0, 5521.0, 5351.0, 5470.0, 5358.0, 5294.0, 5341.0, 5499.0, 5468.0, 5531.0, 5655.0 (number of hits: 26)
5	5570	9	1	333	1	5682.0, 5471.0, 5551.0, 5544.0, 5634.0, 5491.0, 5395.0, 5615.0, 5480.0, 5412.0, 5712.0, 5600.0, 5503.0, 5519.0, 5485.0, 5361.0, 5614.0, 5436.0, 5455.0, 5691.0, 5721.0, 5268.0, 5680.0, 5474.0, 5506.0, 5385.0, 5499.0, 5694.0, 5265.0, 5524.0, 5342.0, 5375.0, 5573.0, 5577.0, 5578.0, 5327.0, 5301.0, 5661.0, 5314.0, 5692.0, 5430.0, 5623.0, 5369.0, 5689.0, 5364.0, 5460.0, 5698.0, 5686.0, 5479.0, 5504.0, 5626.0, 5335.0, 5557.0, 5678.0, 5715.0, 5298.0, 5446.0, 5377.0, 5520.0, 5293.0, 5349.0, 5399.0, 5521.0, 5288.0, 5627.0, 5309.0, 5291.0, 5666.0, 5346.0, 5710.0, 5597.0, 5543.0, 5357.0, 5432.0, 5616.0, 5451.0, 5585.0, 5353.0, 5296.0, 5571.0, 5332.0, 5257.0, 5378.0, 5512.0, 5576.0, 5716.0, 5468.0, 5523.0, 5350.0, 5270.0, 5497.0, 5539.0, 5429.0, 5596.0, 5254.0, 5595.0, 5570.0, 5394.0, 5348.0, 5618.0 (number of hits: 35)
6	5570	9	1	333	1	5579.0, 5343.0, 5490.0, 5714.0, 5293.0, 5294.0, 5556.0, 5467.0, 5576.0, 5286.0, 5551.0, 5387.0, 5578.0, 5466.0, 5464.0, 5342.0, 5618.0, 5452.0, 5593.0, 5298.0, 5344.0, 5463.0, 5613.0, 5296.0, 5386.0, 5588.0, 5271.0, 5609.0, 5315.0, 5511.0, 5569.0, 5479.0, 5642.0, 5502.0, 5456.0, 5336.0, 5394.0, 5418.0, 5478.0, 5404.0, 5488.0, 5516.0, 5437.0, 5592.0, 5279.0,

						5719.0, 5399.0, 5603.0, 5680.0, 5682.0, 5587.0, 5491.0, 5362.0, 5626.0, 5472.0, 5277.0, 5390.0, 5596.0, 5480.0, 5287.0, 5643.0, 5666.0, 5320.0, 5554.0, 5255.0, 5485.0, 5265.0, 5620.0, 5544.0, 5364.0, 5602.0, 5616.0, 5379.0, 5557.0, 5525.0, 5660.0, 5380.0, 5251.0, 5398.0, 5445.0, 5515.0, 5658.0, 5674.0, 5663.0, 5673.0, 5720.0, 5454.0, 5431.0, 5443.0, 5519.0, 5258.0, 5687.0, 5699.0, 5288.0, 5647.0, 5575.0, 5473.0, 5537.0, 5694.0, 5474.0 (number of hits: 32)
7	5570	9	1	333	1	5370.0, 5477.0, 5623.0, 5409.0, 5543.0, 5634.0, 5619.0, 5284.0, 5273.0, 5683.0, 5640.0, 5518.0, 5547.0, 5330.0, 5715.0, 5332.0, 5565.0, 5709.0, 5265.0, 5539.0, 5665.0, 5667.0, 5322.0, 5685.0, 5527.0, 5583.0, 5511.0, 5421.0, 5285.0, 5467.0, 5630.0, 5433.0, 5561.0, 5374.0, 5266.0, 5349.0, 5580.0, 5404.0, 5279.0, 5363.0, 5670.0, 5530.0, 5345.0, 5662.0, 5645.0, 5465.0, 5334.0, 5331.0, 5261.0, 5700.0, 5504.0, 5474.0, 5450.0, 5514.0, 5682.0, 5481.0, 5393.0, 5600.0, 5458.0, 5706.0, 5492.0, 5578.0, 5621.0, 5344.0, 5417.0, 5271.0, 5295.0, 5617.0, 5716.0, 5390.0, 5656.0, 5324.0, 5495.0, 5544.0, 5386.0, 5526.0, 5464.0, 5563.0, 5692.0, 5632.0, 5533.0, 5628.0, 5395.0, 5672.0, 5609.0, 5702.0, 5431.0, 5714.0, 5532.0, 5488.0, 5382.0, 5594.0, 5252.0, 5353.0, 5447.0, 5413.0, 5638.0, 5485.0, 5277.0, 5496.0 (number of hits: 35)
8	5570	9	1	333	1	5561.0, 5613.0, 5322.0, 5483.0, 5441.0, 5711.0, 5514.0, 5271.0, 5573.0, 5665.0, 5659.0, 5288.0, 5260.0, 5629.0, 5721.0, 5326.0, 5396.0, 5319.0, 5678.0, 5276.0, 5449.0, 5367.0, 5455.0, 5664.0, 5275.0, 5369.0, 5380.0, 5631.0, 5392.0, 5693.0, 5524.0, 5321.0, 5599.0, 5493.0, 5412.0, 5689.0, 5358.0, 5409.0, 5311.0, 5350.0, 5376.0, 5504.0, 5601.0, 5617.0, 5702.0, 5462.0, 5494.0, 5255.0, 5477.0, 5652.0, 5327.0, 5378.0, 5343.0, 5433.0, 5616.0, 5325.0, 5703.0, 5531.0, 5623.0, 5262.0, 5281.0, 5270.0, 5620.0, 5451.0, 5304.0, 5669.0, 5414.0, 5637.0, 5431.0, 5422.0, 5268.0, 5408.0, 5252.0, 5294.0, 5614.0, 5508.0, 5511.0, 5496.0, 5633.0, 5705.0, 5625.0, 5696.0, 5526.0, 5373.0, 5527.0, 5474.0, 5592.0, 5651.0, 5334.0, 5660.0, 5390.0, 5314.0, 5338.0, 5570.0, 5363.0, 5640.0, 5333.0, 5498.0, 5312.0, 5636.0 (number of hits: 30)
9	5570	9	1	333	1	5470.0, 5469.0, 5296.0, 5274.0, 5636.0, 5488.0, 5557.0, 5561.0, 5595.0, 5653.0, 5308.0, 5484.0, 5463.0, 5334.0, 5605.0, 5417.0, 5649.0, 5714.0, 5295.0, 5477.0, 5358.0, 5641.0, 5709.0, 5577.0, 5642.0, 5681.0, 5556.0, 5519.0, 5531.0, 5540.0,

						5348.0, 5421.0, 5413.0, 5370.0, 5381.0, 5367.0, 5621.0, 5372.0, 5418.0, 5576.0, 5661.0, 5601.0, 5445.0, 5606.0, 5427.0, 5578.0, 5419.0, 5724.0, 5611.0, 5453.0, 5501.0, 5668.0, 5344.0, 5420.0, 5500.0, 5524.0, 5588.0, 5702.0, 5402.0, 5687.0, 5665.0, 5497.0, 5414.0, 5373.0, 5693.0, 5644.0, 5659.0, 5564.0, 5317.0, 5444.0, 5380.0, 5437.0, 5584.0, 5678.0, 5298.0, 5416.0, 5713.0, 5549.0, 5707.0, 5261.0, 5433.0, 5533.0, 5679.0, 5323.0, 5615.0, 5279.0, 5491.0, 5458.0, 5378.0, 5608.0, 5406.0, 5599.0, 5620.0, 5270.0, 5719.0, 5428.0, 5559.0, 5275.0, 5676.0, 5297.0 (number of hits: 33)
10	5570	9	1	333	1	5452.0, 5540.0, 5469.0, 5305.0, 5530.0, 5265.0, 5266.0, 5370.0, 5503.0, 5280.0, 5373.0, 5427.0, 5313.0, 5406.0, 5394.0, 5578.0, 5293.0, 5602.0, 5415.0, 5628.0, 5461.0, 5347.0, 5259.0, 5342.0, 5567.0, 5315.0, 5400.0, 5482.0, 5537.0, 5599.0, 5292.0, 5705.0, 5601.0, 5716.0, 5367.0, 5328.0, 5416.0, 5586.0, 5565.0, 5609.0, 5459.0, 5365.0, 5384.0, 5652.0, 5269.0, 5371.0, 5385.0, 5562.0, 5624.0, 5553.0, 5261.0, 5273.0, 5454.0, 5343.0, 5499.0, 5326.0, 5473.0, 5290.0, 5575.0, 5713.0, 5304.0, 5303.0, 5483.0, 5670.0, 5439.0, 5688.0, 5260.0, 5262.0, 5544.0, 5621.0, 5535.0, 5272.0, 5257.0, 5348.0, 5597.0, 5470.0, 5619.0, 5695.0, 5595.0, 5291.0, 5311.0, 5294.0, 5547.0, 5569.0, 5694.0, 5647.0, 5382.0, 5397.0, 5398.0, 5333.0, 5613.0, 5362.0, 5450.0, 5465.0, 5684.0, 5635.0, 5686.0, 5607.0, 5408.0, 5677.0 (number of hits: 29)
11	5570	9	1	333	1	5499.0, 5444.0, 5415.0, 5414.0, 5449.0, 5263.0, 5521.0, 5443.0, 5635.0, 5354.0, 5665.0, 5676.0, 5661.0, 5479.0, 5640.0, 5658.0, 5254.0, 5393.0, 5296.0, 5557.0, 5621.0, 5614.0, 5722.0, 5671.0, 5710.0, 5611.0, 5610.0, 5313.0, 5667.0, 5389.0, 5453.0, 5333.0, 5659.0, 5385.0, 5365.0, 5347.0, 5712.0, 5406.0, 5656.0, 5551.0, 5403.0, 5456.0, 5287.0, 5685.0, 5523.0, 5543.0, 5342.0, 5256.0, 5353.0, 5466.0, 5584.0, 5565.0, 5586.0, 5529.0, 5410.0, 5597.0, 5422.0, 5679.0, 5481.0, 5514.0, 5715.0, 5471.0, 5411.0, 5293.0, 5302.0, 5713.0, 5580.0, 5378.0, 5340.0, 5604.0, 5280.0, 5331.0, 5594.0, 5402.0, 5431.0, 5702.0, 5292.0, 5447.0, 5643.0, 5428.0, 5533.0, 5678.0, 5653.0, 5526.0, 5530.0, 5260.0, 5630.0, 5344.0, 5459.0, 5716.0, 5266.0, 5270.0, 5468.0, 5307.0, 5582.0, 5391.0, 5461.0, 5608.0, 5281.0, 5319.0 (number of hits: 28)
12	5570	9	1	333	1	5594.0, 5519.0, 5719.0, 5444.0, 5667.0, 5372.0, 5693.0, 5630.0, 5334.0, 5376.0, 5571.0, 5285.0, 5622.0, 5316.0, 5576.0,

						5532.0, 5352.0, 5258.0, 5508.0, 5271.0, 5521.0, 5633.0, 5325.0, 5701.0, 5388.0, 5302.0, 5331.0, 5257.0, 5369.0, 5364.0, 5565.0, 5263.0, 5319.0, 5561.0, 5373.0, 5642.0, 5507.0, 5380.0, 5323.0, 5494.0, 5377.0, 5381.0, 5593.0, 5687.0, 5318.0, 5618.0, 5322.0, 5462.0, 5403.0, 5447.0, 5660.0, 5321.0, 5621.0, 5397.0, 5389.0, 5307.0, 5599.0, 5635.0, 5476.0, 5704.0, 5266.0, 5421.0, 5292.0, 5658.0, 5712.0, 5268.0, 5399.0, 5326.0, 5493.0, 5394.0, 5585.0, 5555.0, 5680.0, 5518.0, 5574.0, 5672.0, 5598.0, 5659.0, 5537.0, 5424.0, 5675.0, 5498.0, 5259.0, 5691.0, 5491.0, 5284.0, 5603.0, 5252.0, 5308.0, 5653.0, 5587.0, 5718.0, 5674.0, 5625.0, 5539.0, 5264.0, 5360.0, 5554.0, 5543.0, 5354.0 (number of hits: 33)
13	5570	9	1	333	1	5495.0, 5488.0, 5468.0, 5683.0, 5450.0, 5665.0, 5693.0, 5609.0, 5658.0, 5277.0, 5558.0, 5681.0, 5595.0, 5402.0, 5613.0, 5286.0, 5354.0, 5711.0, 5391.0, 5290.0, 5593.0, 5651.0, 5359.0, 5416.0, 5485.0, 5325.0, 5483.0, 5678.0, 5530.0, 5539.0, 5580.0, 5492.0, 5695.0, 5376.0, 5307.0, 5272.0, 5432.0, 5322.0, 5328.0, 5301.0, 5719.0, 5331.0, 5491.0, 5564.0, 5563.0, 5515.0, 5346.0, 5270.0, 5603.0, 5280.0, 5360.0, 5705.0, 5575.0, 5655.0, 5534.0, 5414.0, 5401.0, 5481.0, 5618.0, 5499.0, 5659.0, 5260.0, 5409.0, 5361.0, 5470.0, 5511.0, 5555.0, 5457.0, 5566.0, 5691.0, 5573.0, 5610.0, 5321.0, 5496.0, 5611.0, 5282.0, 5259.0, 5453.0, 5528.0, 5440.0, 5479.0, 5538.0, 5399.0, 5623.0, 5355.0, 5298.0, 5367.0, 5337.0, 5435.0, 5702.0, 5454.0, 5350.0, 5637.0, 5673.0, 5279.0, 5363.0, 5252.0, 5662.0, 5570.0, 5712.0 (number of hits: 29)
14	5570	9	1	333	1	5410.0, 5723.0, 5488.0, 5355.0, 5327.0, 5587.0, 5264.0, 5273.0, 5293.0, 5255.0, 5525.0, 5429.0, 5553.0, 5305.0, 5374.0, 5669.0, 5423.0, 5479.0, 5645.0, 5596.0, 5451.0, 5715.0, 5719.0, 5353.0, 5521.0, 5381.0, 5475.0, 5377.0, 5346.0, 5407.0, 5389.0, 5414.0, 5298.0, 5495.0, 5477.0, 5547.0, 5390.0, 5674.0, 5463.0, 5464.0, 5582.0, 5642.0, 5452.0, 5610.0, 5652.0, 5609.0, 5405.0, 5357.0, 5316.0, 5379.0, 5541.0, 5338.0, 5599.0, 5593.0, 5447.0, 5315.0, 5702.0, 5251.0, 5339.0, 5419.0, 5683.0, 5312.0, 5722.0, 5329.0, 5548.0, 5580.0, 5260.0, 5697.0, 5282.0, 5640.0, 5564.0, 5695.0, 5345.0, 5554.0, 5341.0, 5456.0, 5578.0, 5504.0, 5259.0, 5567.0, 5638.0, 5371.0, 5383.0, 5643.0, 5592.0, 5262.0, 5480.0, 5694.0, 5631.0, 5360.0, 5314.0, 5511.0, 5635.0, 5376.0, 5498.0, 5409.0, 5258.0, 5523.0, 5418.0, 5472.0 (number of hits: 31)

15	5570	9	1	333	1	5495.0, 5370.0, 5627.0, 5448.0, 5608.0, 5558.0, 5682.0, 5648.0, 5559.0, 5531.0, 5703.0, 5518.0, 5595.0, 5477.0, 5476.0, 5311.0, 5423.0, 5672.0, 5372.0, 5425.0, 5402.0, 5513.0, 5511.0, 5315.0, 5373.0, 5469.0, 5516.0, 5428.0, 5335.0, 5539.0, 5406.0, 5357.0, 5645.0, 5522.0, 5410.0, 5576.0, 5517.0, 5724.0, 5329.0, 5659.0, 5401.0, 5693.0, 5466.0, 5521.0, 5525.0, 5345.0, 5596.0, 5490.0, 5587.0, 5711.0, 5263.0, 5691.0, 5264.0, 5701.0, 5598.0, 5283.0, 5269.0, 5325.0, 5458.0, 5602.0, 5292.0, 5592.0, 5597.0, 5456.0, 5486.0, 5313.0, 5441.0, 5626.0, 5530.0, 5520.0, 5639.0, 5389.0, 5276.0, 5699.0, 5680.0, 5689.0, 5383.0, 5433.0, 5338.0, 5447.0, 5510.0, 5545.0, 5677.0, 5534.0, 5397.0, 5714.0, 5694.0, 5288.0, 5619.0, 5485.0, 5303.0, 5327.0, 5268.0, 5500.0, 5566.0, 5367.0, 5430.0, 5280.0, 5722.0, 5333.0 (number of hits: 34)
16	5570	9	1	333	1	5402.0, 5265.0, 5315.0, 5669.0, 5272.0, 5340.0, 5332.0, 5636.0, 5311.0, 5366.0, 5435.0, 5376.0, 5600.0, 5430.0, 5472.0, 5480.0, 5450.0, 5482.0, 5527.0, 5323.0, 5281.0, 5454.0, 5682.0, 5691.0, 5622.0, 5407.0, 5674.0, 5547.0, 5270.0, 5455.0, 5425.0, 5394.0, 5570.0, 5587.0, 5685.0, 5681.0, 5320.0, 5350.0, 5686.0, 5362.0, 5595.0, 5453.0, 5643.0, 5278.0, 5342.0, 5493.0, 5505.0, 5623.0, 5684.0, 5612.0, 5634.0, 5256.0, 5336.0, 5629.0, 5279.0, 5708.0, 5338.0, 5620.0, 5345.0, 5495.0, 5478.0, 5442.0, 5436.0, 5549.0, 5535.0, 5533.0, 5252.0, 5314.0, 5649.0, 5434.0, 5458.0, 5307.0, 5322.0, 5461.0, 5564.0, 5263.0, 5578.0, 5274.0, 5343.0, 5653.0, 5717.0, 5707.0, 5627.0, 5380.0, 5673.0, 5516.0, 5375.0, 5287.0, 5470.0, 5381.0, 5722.0, 5694.0, 5302.0, 5489.0, 5379.0, 5520.0, 5401.0, 5529.0, 5700.0, 5277.0 (number of hits: 25)
17	5570	9	1	333	1	5299.0, 5494.0, 5444.0, 5653.0, 5649.0, 5508.0, 5720.0, 5563.0, 5565.0, 5498.0, 5561.0, 5624.0, 5699.0, 5328.0, 5637.0, 5645.0, 5295.0, 5463.0, 5501.0, 5614.0, 5365.0, 5622.0, 5589.0, 5420.0, 5722.0, 5648.0, 5695.0, 5671.0, 5389.0, 5428.0, 5426.0, 5293.0, 5510.0, 5303.0, 5442.0, 5680.0, 5642.0, 5688.0, 5462.0, 5438.0, 5445.0, 5451.0, 5718.0, 5714.0, 5482.0, 5262.0, 5269.0, 5495.0, 5636.0, 5496.0, 5373.0, 5492.0, 5473.0, 5573.0, 5382.0, 5312.0, 5511.0, 5707.0, 5371.0, 5500.0, 5290.0, 5422.0, 5665.0, 5370.0, 5457.0, 5579.0, 5466.0, 5301.0, 5608.0, 5354.0, 5485.0, 5356.0, 5353.0, 5568.0, 5640.0, 5282.0, 5603.0, 5257.0, 5417.0, 5586.0, 5595.0, 5368.0, 5513.0, 5313.0, 5619.0, 5574.0, 5271.0, 5634.0, 5693.0, 5324.0,

						5535.0, 5273.0, 5437.0, 5548.0, 5383.0, 5507.0, 5571.0, 5625.0, 5635.0, 5285.0 (number of hits: 38)
18	5570	9	1	333	1	5472.0, 5719.0, 5547.0, 5372.0, 5634.0, 5357.0, 5291.0, 5328.0, 5273.0, 5616.0, 5573.0, 5643.0, 5599.0, 5279.0, 5424.0, 5587.0, 5512.0, 5433.0, 5389.0, 5265.0, 5477.0, 5493.0, 5307.0, 5582.0, 5361.0, 5260.0, 5437.0, 5586.0, 5594.0, 5480.0, 5295.0, 5398.0, 5313.0, 5699.0, 5695.0, 5629.0, 5495.0, 5515.0, 5350.0, 5488.0, 5677.0, 5530.0, 5343.0, 5717.0, 5308.0, 5494.0, 5362.0, 5631.0, 5271.0, 5305.0, 5445.0, 5722.0, 5462.0, 5696.0, 5621.0, 5482.0, 5585.0, 5626.0, 5314.0, 5329.0, 5435.0, 5353.0, 5642.0, 5510.0, 5630.0, 5562.0, 5371.0, 5536.0, 5559.0, 5706.0, 5705.0, 5593.0, 5450.0, 5649.0, 5394.0, 5332.0, 5412.0, 5609.0, 5420.0, 5483.0, 5590.0, 5347.0, 5720.0, 5451.0, 5298.0, 5423.0, 5666.0, 5610.0, 5429.0, 5400.0, 5268.0, 5614.0, 5517.0, 5299.0, 5689.0, 5466.0, 5253.0, 5284.0, 5469.0, 5346.0 (number of hits: 32)
19	5570	9	1	333	1	5676.0, 5352.0, 5400.0, 5694.0, 5606.0, 5630.0, 5654.0, 5267.0, 5443.0, 5605.0, 5542.0, 5343.0, 5502.0, 5621.0, 5571.0, 5652.0, 5655.0, 5587.0, 5641.0, 5432.0, 5636.0, 5412.0, 5362.0, 5463.0, 5573.0, 5722.0, 5682.0, 5700.0, 5586.0, 5688.0, 5522.0, 5687.0, 5333.0, 5367.0, 5472.0, 5439.0, 5484.0, 5386.0, 5312.0, 5444.0, 5348.0, 5383.0, 5318.0, 5521.0, 5464.0, 5433.0, 5281.0, 5548.0, 5601.0, 5667.0, 5369.0, 5536.0, 5470.0, 5453.0, 5335.0, 5269.0, 5306.0, 5610.0, 5398.0, 5619.0, 5423.0, 5511.0, 5361.0, 5669.0, 5608.0, 5336.0, 5560.0, 5525.0, 5266.0, 5353.0, 5541.0, 5390.0, 5252.0, 5300.0, 5533.0, 5309.0, 5289.0, 5310.0, 5447.0, 5553.0, 5437.0, 5434.0, 5273.0, 5603.0, 5410.0, 5547.0, 5589.0, 5637.0, 5413.0, 5347.0, 5674.0, 5719.0, 5492.0, 5558.0, 5638.0, 5340.0, 5366.0, 5705.0, 5334.0, 5425.0 (number of hits: 32)
20	5570	9	1	333	1	5650.0, 5303.0, 5464.0, 5282.0, 5513.0, 5680.0, 5639.0, 5586.0, 5374.0, 5523.0, 5576.0, 5693.0, 5271.0, 5511.0, 5578.0, 5297.0, 5397.0, 5687.0, 5319.0, 5332.0, 5645.0, 5330.0, 5288.0, 5328.0, 5497.0, 5615.0, 5527.0, 5356.0, 5708.0, 5444.0, 5723.0, 5416.0, 5575.0, 5316.0, 5717.0, 5526.0, 5468.0, 5611.0, 5265.0, 5481.0, 5430.0, 5326.0, 5347.0, 5685.0, 5387.0, 5331.0, 5653.0, 5608.0, 5274.0, 5574.0, 5517.0, 5405.0, 5268.0, 5664.0, 5591.0, 5519.0, 5440.0, 5637.0, 5545.0, 5290.0, 5599.0, 5448.0, 5259.0, 5255.0, 5300.0, 5514.0, 5410.0, 5421.0, 5480.0, 5478.0, 5570.0, 5381.0, 5338.0, 5674.0, 5307.0

						5409.0, 5622.0, 5718.0, 5607.0, 5353.0, 5709.0, 5367.0, 5320.0, 5432.0, 5634.0, 5462.0, 5512.0, 5427.0, 5697.0, 5646.0, 5404.0, 5311.0, 5472.0, 5346.0, 5581.0, 5649.0, 5329.0, 5279.0, 5423.0, 5461.0 (number of hits: 29)
21	5570	9	1	333	1	5688.0, 5260.0, 5515.0, 5477.0, 5627.0, 5295.0, 5490.0, 5506.0, 5255.0, 5465.0, 5644.0, 5475.0, 5723.0, 5334.0, 5468.0, 5616.0, 5460.0, 5651.0, 5590.0, 5310.0, 5528.0, 5455.0, 5577.0, 5457.0, 5329.0, 5608.0, 5705.0, 5379.0, 5519.0, 5266.0, 5411.0, 5706.0, 5299.0, 5655.0, 5640.0, 5555.0, 5574.0, 5630.0, 5332.0, 5575.0, 5435.0, 5482.0, 5654.0, 5252.0, 5594.0, 5563.0, 5453.0, 5556.0, 5666.0, 5498.0, 5558.0, 5370.0, 5693.0, 5526.0, 5572.0, 5541.0, 5719.0, 5503.0, 5636.0, 5629.0, 5397.0, 5626.0, 5623.0, 5597.0, 5335.0, 5611.0, 5586.0, 5283.0, 5386.0, 5724.0, 5682.0, 5488.0, 5602.0, 5559.0, 5669.0, 5344.0, 5259.0, 5598.0, 5456.0, 5689.0, 5383.0, 5560.0, 5583.0, 5448.0, 5604.0, 5489.0, 5699.0, 5387.0, 5289.0, 5328.0, 5534.0, 5548.0, 5327.0, 5653.0, 5679.0, 5314.0, 5308.0, 5589.0, 5587.0, 5579.0 (number of hits: 42)
22	5570	9	1	333	1	5489.0, 5441.0, 5531.0, 5340.0, 5434.0, 5407.0, 5560.0, 5501.0, 5704.0, 5457.0, 5482.0, 5625.0, 5381.0, 5720.0, 5665.0, 5630.0, 5378.0, 5285.0, 5409.0, 5648.0, 5444.0, 5602.0, 5314.0, 5271.0, 5298.0, 5311.0, 5291.0, 5458.0, 5325.0, 5261.0, 5497.0, 5362.0, 5637.0, 5701.0, 5417.0, 5628.0, 5667.0, 5429.0, 5506.0, 5636.0, 5477.0, 5652.0, 5656.0, 5613.0, 5702.0, 5670.0, 5541.0, 5568.0, 5389.0, 5322.0, 5623.0, 5432.0, 5539.0, 5473.0, 5339.0, 5585.0, 5303.0, 5390.0, 5384.0, 5492.0, 5491.0, 5589.0, 5412.0, 5556.0, 5503.0, 5460.0, 5354.0, 5483.0, 5312.0, 5252.0, 5415.0, 5578.0, 5616.0, 5678.0, 5337.0, 5608.0, 5287.0, 5547.0, 5313.0, 5395.0, 5553.0, 5281.0, 5512.0, 5359.0, 5593.0, 5715.0, 5496.0, 5588.0, 5493.0, 5365.0, 5363.0, 5695.0, 5674.0, 5408.0, 5689.0, 5554.0, 5326.0, 5495.0, 5251.0, 5546.0 (number of hits: 32)
23	5570	9	1	333	1	5629.0, 5443.0, 5465.0, 5571.0, 5291.0, 5391.0, 5531.0, 5387.0, 5709.0, 5550.0, 5495.0, 5485.0, 5385.0, 5649.0, 5327.0, 5697.0, 5341.0, 5370.0, 5265.0, 5670.0, 5334.0, 5508.0, 5691.0, 5450.0, 5623.0, 5318.0, 5585.0, 5259.0, 5559.0, 5457.0, 5338.0, 5637.0, 5615.0, 5304.0, 5459.0, 5342.0, 5530.0, 5281.0, 5284.0, 5352.0, 5707.0, 5507.0, 5273.0, 5483.0, 5523.0, 5474.0, 5606.0, 5287.0, 5503.0, 5545.0, 5664.0, 5367.0, 5302.0, 5343.0, 5535.0, 5263.0, 5292.0, 5541.0, 5258.0, 5425.0

						5690.0, 5673.0, 5264.0, 5411.0, 5449.0, 5499.0, 5275.0, 5498.0, 5528.0, 5591.0, 5307.0, 5448.0, 5402.0, 5634.0, 5266.0, 5384.0, 5496.0, 5685.0, 5721.0, 5700.0, 5546.0, 5678.0, 5305.0, 5586.0, 5574.0, 5399.0, 5710.0, 5631.0, 5431.0, 5310.0, 5403.0, 5481.0, 5543.0, 5365.0, 5256.0, 5428.0, 5519.0, 5702.0, 5658.0, 5672.0 (number of hits: 31)
24	5570	9	1	333	1	5653.0, 5338.0, 5640.0, 5397.0, 5631.0, 5303.0, 5363.0, 5330.0, 5341.0, 5595.0, 5366.0, 5588.0, 5439.0, 5692.0, 5490.0, 5329.0, 5342.0, 5687.0, 5574.0, 5367.0, 5529.0, 5471.0, 5306.0, 5675.0, 5396.0, 5390.0, 5468.0, 5376.0, 5590.0, 5380.0, 5428.0, 5448.0, 5263.0, 5326.0, 5473.0, 5697.0, 5324.0, 5647.0, 5287.0, 5513.0, 5621.0, 5639.0, 5618.0, 5563.0, 5426.0, 5328.0, 5402.0, 5365.0, 5667.0, 5658.0, 5273.0, 5353.0, 5641.0, 5602.0, 5592.0, 5520.0, 5283.0, 5596.0, 5564.0, 5565.0, 5444.0, 5269.0, 5368.0, 5576.0, 5599.0, 5666.0, 5604.0, 5455.0, 5536.0, 5700.0, 5360.0, 5339.0, 5541.0, 5703.0, 5274.0, 5570.0, 5487.0, 5311.0, 5427.0, 5682.0, 5336.0, 5624.0, 5268.0, 5551.0, 5318.0, 5600.0, 5474.0, 5581.0, 5418.0, 5584.0, 5453.0, 5579.0, 5501.0, 5361.0, 5398.0, 5369.0, 5456.0, 5408.0, 5296.0, 5486.0 (number of hits: 32)
25	5570	9	1	333	1	5721.0, 5689.0, 5459.0, 5434.0, 5699.0, 5477.0, 5637.0, 5320.0, 5711.0, 5398.0, 5709.0, 5350.0, 5625.0, 5641.0, 5370.0, 5511.0, 5509.0, 5433.0, 5508.0, 5585.0, 5267.0, 5716.0, 5578.0, 5319.0, 5392.0, 5494.0, 5577.0, 5371.0, 5329.0, 5302.0, 5646.0, 5290.0, 5667.0, 5252.0, 5675.0, 5680.0, 5284.0, 5635.0, 5523.0, 5666.0, 5501.0, 5286.0, 5539.0, 5692.0, 5402.0, 5455.0, 5517.0, 5327.0, 5316.0, 5610.0, 5380.0, 5385.0, 5515.0, 5474.0, 5720.0, 5372.0, 5483.0, 5451.0, 5325.0, 5322.0, 5321.0, 5450.0, 5500.0, 5251.0, 5598.0, 5421.0, 5545.0, 5657.0, 5271.0, 5270.0, 5423.0, 5414.0, 5291.0, 5282.0, 5299.0, 5342.0, 5473.0, 5315.0, 5599.0, 5529.0, 5294.0, 5530.0, 5532.0, 5453.0, 5415.0, 5581.0, 5419.0, 5488.0, 5568.0, 5694.0, 5486.0, 5465.0, 5358.0, 5480.0, 5454.0, 5318.0, 5367.0, 5503.0, 5432.0, 5360.0 (number of hits: 27)
26	5570	9	1	333	1	5386.0, 5603.0, 5659.0, 5618.0, 5400.0, 5370.0, 5444.0, 5663.0, 5718.0, 5642.0, 5304.0, 5570.0, 5605.0, 5467.0, 5633.0, 5680.0, 5466.0, 5539.0, 5653.0, 5379.0, 5380.0, 5423.0, 5437.0, 5420.0, 5270.0, 5654.0, 5506.0, 5253.0, 5684.0, 5409.0, 5555.0, 5385.0, 5460.0, 5261.0, 5644.0, 5351.0, 5658.0, 5480.0, 5631.0, 5384.0, 5499.0, 5585.0, 5637.0, 5721.0, 5335.0,

						5723.0, 5715.0, 5433.0, 5655.0, 5507.0, 5623.0, 5549.0, 5446.0, 5365.0, 5301.0, 5542.0, 5589.0, 5477.0, 5500.0, 5251.0, 5456.0, 5550.0, 5268.0, 5532.0, 5495.0, 5649.0, 5381.0, 5289.0, 5526.0, 5300.0, 5297.0, 5487.0, 5340.0, 5451.0, 5461.0, 5391.0, 5442.0, 5364.0, 5252.0, 5626.0, 5302.0, 5382.0, 5290.0, 5650.0, 5390.0, 5566.0, 5328.0, 5524.0, 5656.0, 5345.0, 5720.0, 5668.0, 5498.0, 5441.0, 5509.0, 5402.0, 5415.0, 5440.0, 5470.0, 5628.0 (number of hits: 30)
27	5570	9	1	333	1	5626.0, 5275.0, 5590.0, 5501.0, 5604.0, 5548.0, 5584.0, 5587.0, 5602.0, 5596.0, 5600.0, 5635.0, 5601.0, 5650.0, 5278.0, 5336.0, 5486.0, 5718.0, 5484.0, 5492.0, 5617.0, 5283.0, 5580.0, 5280.0, 5503.0, 5414.0, 5344.0, 5683.0, 5507.0, 5355.0, 5639.0, 5379.0, 5447.0, 5649.0, 5527.0, 5599.0, 5579.0, 5525.0, 5297.0, 5269.0, 5339.0, 5373.0, 5346.0, 5702.0, 5357.0, 5540.0, 5532.0, 5266.0, 5295.0, 5477.0, 5445.0, 5468.0, 5462.0, 5609.0, 5366.0, 5549.0, 5461.0, 5436.0, 5516.0, 5282.0, 5581.0, 5325.0, 5434.0, 5396.0, 5583.0, 5362.0, 5327.0, 5658.0, 5375.0, 5654.0, 5437.0, 5360.0, 5427.0, 5291.0, 5452.0, 5623.0, 5686.0, 5471.0, 5273.0, 5351.0, 5410.0, 5405.0, 5536.0, 5691.0, 5288.0, 5306.0, 5389.0, 5570.0, 5544.0, 5285.0, 5496.0, 5482.0, 5554.0, 5500.0, 5337.0, 5377.0, 5526.0, 5416.0, 5342.0, 5633.0 (number of hits: 37)
28	5570	9	1	333	1	5508.0, 5457.0, 5493.0, 5530.0, 5371.0, 5594.0, 5522.0, 5601.0, 5525.0, 5715.0, 5657.0, 5646.0, 5414.0, 5661.0, 5465.0, 5320.0, 5572.0, 5313.0, 5609.0, 5337.0, 5472.0, 5404.0, 5689.0, 5356.0, 5487.0, 5481.0, 5261.0, 5638.0, 5558.0, 5467.0, 5563.0, 5611.0, 5660.0, 5255.0, 5309.0, 5683.0, 5513.0, 5440.0, 5318.0, 5649.0, 5339.0, 5354.0, 5568.0, 5711.0, 5688.0, 5329.0, 5268.0, 5331.0, 5527.0, 5444.0, 5449.0, 5542.0, 5573.0, 5253.0, 5325.0, 5718.0, 5613.0, 5645.0, 5389.0, 5466.0, 5379.0, 5348.0, 5398.0, 5692.0, 5631.0, 5314.0, 5342.0, 5698.0, 5669.0, 5539.0, 5543.0, 5407.0, 5498.0, 5549.0, 5340.0, 5671.0, 5502.0, 5392.0, 5650.0, 5665.0, 5600.0, 5702.0, 5374.0, 5705.0, 5273.0, 5676.0, 5417.0, 5388.0, 5712.0, 5358.0, 5413.0, 5436.0, 5674.0, 5576.0, 5581.0, 5630.0, 5682.0, 5504.0, 5510.0, 5615.0 (number of hits: 32)
29	5570	9	1	333	1	5573.0, 5554.0, 5369.0, 5621.0, 5633.0, 5326.0, 5708.0, 5379.0, 5280.0, 5416.0, 5385.0, 5608.0, 5338.0, 5347.0, 5538.0, 5652.0, 5414.0, 5421.0, 5262.0, 5391.0, 5618.0, 5684.0, 5541.0, 5336.0, 5316.0, 5372.0, 5405.0, 5317.0, 5291.0, 5505.0,

						5417.0, 5256.0, 5273.0, 5302.0, 5536.0, 5516.0, 5429.0, 5518.0, 5710.0, 5690.0, 5668.0, 5292.0, 5371.0, 5418.0, 5672.0, 5635.0, 5363.0, 5560.0, 5556.0, 5604.0, 5286.0, 5255.0, 5646.0, 5422.0, 5470.0, 5264.0, 5481.0, 5382.0, 5577.0, 5252.0, 5600.0, 5717.0, 5649.0, 5430.0, 5581.0, 5275.0, 5301.0, 5314.0, 5645.0, 5514.0, 5451.0, 5329.0, 5253.0, 5464.0, 5322.0, 5400.0, 5423.0, 5334.0, 5576.0, 5527.0, 5339.0, 5592.0, 5582.0, 5520.0, 5589.0, 5394.0, 5250.0, 5411.0, 5319.0, 5328.0, 5325.0, 5564.0, 5362.0, 5426.0, 5706.0, 5480.0, 5308.0, 5284.0, 5713.0, 5427.0 (number of hits: 28)
30	5570	9	1	333	1	5300.0, 5526.0, 5256.0, 5463.0, 5262.0, 5695.0, 5513.0, 5425.0, 5378.0, 5520.0, 5296.0, 5483.0, 5723.0, 5565.0, 5707.0, 5665.0, 5656.0, 5583.0, 5305.0, 5437.0, 5319.0, 5359.0, 5698.0, 5290.0, 5636.0, 5527.0, 5653.0, 5335.0, 5718.0, 5285.0, 5405.0, 5567.0, 5302.0, 5333.0, 5295.0, 5523.0, 5660.0, 5331.0, 5641.0, 5263.0, 5548.0, 5420.0, 5491.0, 5545.0, 5328.0, 5416.0, 5354.0, 5642.0, 5630.0, 5550.0, 5258.0, 5286.0, 5709.0, 5353.0, 5408.0, 5521.0, 5674.0, 5509.0, 5410.0, 5536.0, 5406.0, 5504.0, 5514.0, 5273.0, 5453.0, 5254.0, 5680.0, 5424.0, 5525.0, 5628.0, 5274.0, 5540.0, 5329.0, 5271.0, 5264.0, 5596.0, 5360.0, 5413.0, 5578.0, 5556.0, 5677.0, 5265.0, 5288.0, 5667.0, 5568.0, 5468.0, 5309.0, 5494.0, 5401.0, 5574.0, 5622.0, 5719.0, 5558.0, 5460.0, 5643.0, 5517.0, 5434.0, 5640.0, 5255.0, 5260.0 (number of hits: 34)

10 Annex A– Test Setup Photographs

Please refer to the attachment

11 Annex B - EUT External Photographs

Please refer to the attachment

12 Annex C - EUT Internal Photographs

Please refer to the attachment

13 Annex D (Normative) - A2LA Electrical Testing Certificate



Accredited Laboratory

A2LA has accredited

BAY AREA COMPLIANCE LABORATORIES CORP.

Sunnyvale, CA

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. This laboratory also meets A2LA R222 - Specific Requirements EPA ENERGY STAR Accreditation Program. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 2nd day of October 2018.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3297.02
Valid to November 30, 2020
Revised August 31, 2020

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

Please follow the web link below for a full ISO 17025 scope

<https://www.a2la.org/scopepdf/3297-02.pdf>

--- END OF REPORT ---

